Index-Catalogue of Medical and Veterinary Zoology

Supplement 23, Part 6,
Section B. Subject Headings: J-Z

Parasite-Subject Catalogue
Subject Headings and Treatment
Index-Catalogue of Medical and Veterinary Zoology

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Parasite-Subject Catalogue
Subject Headings and Treatment

By
Shirley J. Edwards, In Charge
Martha W. Hood, Zoologist
Judith H. Shaw, Zoologist
Jane D. Rayburn, Technical Information Specialist
Margie D. Kirby, Technical Information Specialist
Deborah T. Hanfman, Technical Information Specialist
Judith A. Zidar, Technical Information Specialist
Index-Catalogue of Medical and Veterinary Zoology

Section 1: Subject Headings

- Parasite-Subject-Catalogue

Subject Headings and Treatment

- Enzyme and Enzyme Complexes
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Preface

The Index-Catalogue of Medical and Veterinary Zoology is an index to the world's literature on animal parasites of animals, including man. The Catalogue is distributed to qualified individuals and libraries throughout the world without charge. It has been maintained in cumulative files since 1892. Only the Author Catalogue has been published in its entirety. A revision of the Author Catalogue of the Index-Catalogue of Medical and Veterinary Zoology, consisting of Parts 1 to 18, was published during the period 1932-52. Beginning in 1953, a series of supplements designed to publish the backlog was initiated. This was completed with Supplement 6, published in 1956. From 1956 to 1964, supplements covering authors A to Z were issued on an annual basis.

Beginning with Supplement 15, the Parasite-Subject Catalogues, containing indices to the author references, have been issued. The Author Catalogues of Supplements 15-21 continued the format of previous supplements. Users should note that for each reference in the Author Catalogues of these supplements the author(s) plus the date and letter (e.g., Smith, J.; and Doe, L., 1978 b) are the key to all items in the Parasite-Subject Catalogues derived from that reference. In other words, when using the Parasite-Subject Catalogues of Supplements 15-21, it is necessary to consult the Author Catalogue of the corresponding supplement for complete bibliographic information.

Commencing with Supplement 22, basic bibliographic information is included with each entry in Parts 2-7. It should be emphasized, however, that it will still be useful to consult the Author Catalogue for a variety of other information that may be found there: Title of the reference, translated title, language of text and summaries, issue date, library from which the original may be obtained, published corrections, related references by the same author, and other miscellaneous information.

Each supplement consists of the following parts:

Part 1, Authors: A-Z
Part 2, Parasite-Subject Catalogue: Parasites: Protozoa
Part 3, Parasite-Subject Catalogue: Parasites: Trematoda and Cestoda
Part 4, Parasite-Subject Catalogue: Parasites: Nematoda and Acanthocephala
Part 5, Parasite-Subject Catalogue: Parasites: Arthropoda and Miscellaneous Phyla
Part 6, Parasite-Subject Catalogue: Subject Headings and Treatment
Part 7, Parasite-Subject Catalogue: Hosts

Users should bear in mind that this is an Index-Catalogue, not a treatise, and should not expect to find reasons for any given entry. Nor does citing of synonymy mean that it is necessarily correct. The same statement holds for hosts, locations, localities, authorship of taxa, designation of new taxa, etc. These items are cited as given by the author(s) of the publication being indexed.

The information included in any given supplement represents only the publications that have been indexed in that supplement; and therefore, exclusion of, or limited entries for, any given author or parasite has no significance. No pretension is made for completeness, and assistance in correcting errors or obtaining additional information is appreciated. Reprints of papers on parasitology are requested.
Author Catalogue
The Author Catalogue (Part 1 of each supplement) contains full bibliographic information for each publication indexed during the compilation of that supplement. A symbol for the library from which the original publication may be obtained is given at the end of each entry, e.g., Wa, Wm, Wc, etc. A key to these library symbols may be found in Supplements 10 and 20. A list of serial abbreviations new to our files is published at the beginning of each Author Catalogue.

Parasite Catalogues
The Parasite Catalogues (Parts 2-5 of each supplement) are divided by parasite phyla (Protozoa, Trematoda, etc.). They are arranged alphabetically by genera, parasitic diseases, and higher taxa and then alphabetically by species within genera. Entries under each heading are in turn arranged alphabetically by authors and then chronologically for each author. Each entry consists of the name of the parasite or parasitic disease, the author(s) of the publication, date, abbreviated title of the publication, volume, number, inclusive pages, and a subheading. Illustrations of parasites are indicated by the word illus. following the name of the parasite.

Subject Headings Catalogue
The Subject Headings Catalogue (the first section of Part 6 of each supplement) is an alphabetic arrangement of entry terms from a controlled list of subject headings. Each entry consists of the subject heading, bibliographic information, and a subheading reflecting the information contained in the paper. Subject headings with numerous entries are separated into alphabetized subdivisions, e.g.,

- Immunity
- Immunity, Agglutination
- Immunity, Allergy

Treatment Catalogue
In the Treatment Catalogue (a section of Part 6 of each supplement), all entries referring to one antiparasitic agent are grouped under one heading (regardless of the name used by the investigator) and are then listed alphabetically by author. Other names for the same agent are cross-referenced to the name used for filing. When generic and chemical names are available, preference is given to those names as headings.
rather than to trade names or code numbers and letters. Code number designations for compounds are entered in the Number Index in numerical order and cross-referenced to the name under which they are listed in the alphabetical section. Salts of a compound are usually grouped together, e.g., piperazine adipate, piperazine citrate, etc., are all listed under Piperazine. Sometimes verifying synonymy of drug names is impossible; consequently, groupings and cross-references are not always authenticated although as many as possible have been checked with reliable sources. In some instances, the cross-references are based entirely on information in papers indexed and verification was not possible. Foreign language terminology has been anglicized where feasible. Chemosterilants, Molluscicides, and Repellents are entered under these three collective headings and not under the individual chemical. The format is the same as the parasite entries: Entry term (in this case, drug name), bibliographic information, and subheading.

Host Catalogue
The Host Catalogue (Part 7 of each supplement) is arranged alphabetically by genera, common names, and higher taxa and then alphabetically by species within genera. Nominant subspecies are interfiled with the species. Entries under each heading are in turn arranged alphabetically by author(s) and then chronologically for each author. The format is the same as in the other Catalogues, i.e., entry term (in this case, host name), bibliographic information, and subheading. Indented beneath the author line(s) of each host entry are all the parasites of a particular phylum that were reported from this host in the paper in question. Body locations of these parasites will be found in parentheses () either in the subheading or with the host name. Experimental infection is reported as such. When there are multiple parasites and geographic localities, the appropriate locality is recorded after each parasite name; when the parasites from this host are all from one locality, they are recorded as “all from” this locality. When authors use only common names of hosts, scientific names are cautiously supplied from authoritative sources after careful consideration. Cross-references from the common name used by the author to the scientific name supplied by the Index-Catalogue are filed among the host entries. Such supplied names are given in square brackets [ ]. If a scientific name cannot be supplied, English common names are used. Scientific names or English common names are always supplied for common names in Cyrillic alphabet languages, and no cross-references are made. Surveys of parasites of humans and domestic animals are often indexed under geographic headings and entered in Part 6, Subject Headings, in addition to appearing in the Host Catalogue. In this case, all parasite phyla are grouped under the same host entry, and individual parasite entries are not included in the Parasite Catalogue.

Visitors are welcome to come to the Animal Parasitology Institute to use the cumulative files. Arrangements should be made in advance for lengthy visits.

All correspondence should be addressed to:

Index-Catalogue of Medical and Veterinary Zoology
Animal Parasitology Institute
USDA, ARS, BARC-East, Building 1180
Beltsville, Maryland 20705 U.S.A.

It is hoped that these Catalogues will serve as a useful tool to workers in the field of parasitology. Users are requested to preserve the Catalogues, since they are not designed for general distribution and the edition is limited.

The compilers thank the staffs of the National Agricultural Library, the National Library of Medicine, and all other libraries who have aided us invaluably by making publications available to us.

Trade names are used in this publication solely for the purpose of providing specific information. Mention of a trade name does not constitute a guarantee or warranty of the product by the U.S. Department of Agriculture or an endorsement by the Department over other products not mentioned.
Japan
macropscopic endoparasites of snakes recorded in Japan

Japan
helminths of stray dogs: Sapporo, Hokkaido, Japan
(Clonorchis sinensis; Plagiorchis muris; Trichuris vulpis; Dirofilaria immitis; Ancylostoma caninum; Toxocara canis; Toxascaris leonina; Corynosoma sp.)

Japan
Tani, S., 1976, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 25 (4), 262-273
helminthiasis, humans, epidemiological survey: Akita Prefecture, Japan (Echinostoma hortense; Metagonimus yokogawai; Trichuris trichiura; hookworm; Trichostongylus orientalis; Ascaris lumbricoides)

Jaundice
Burlui, D.; et al., 1974, Rev. Chir. (Chirurgia), Bucuresti, v. 23 (8), 669-676
human hepatic hydatid cysts with complicating obstructive jaundice, case reviews of successful therapeutic surgical intervention

Jaundice
Chermette, R., 1979, Point Vet. (45), v. 9, 31-40
Babesia divergens, bovine, as cause of icterus, review: life cycle, epidemiology, clinical aspects, pathogenesis, immunity, diagnosis, treatment, prophylaxis

Jaundice
Chernin, J.; and Tilleray, V. J., 1979, J. Helminth., v. 53 (2), 127-129
Taenia crassiceps in mice suffering from obstructive jaundice, bilirubin extracted from metacestodes, reduced activity of 8-D-glucuronidase in pigmented vs. normal parasites

Jaundice

Jaundice
Histomonas meleagridis-infected turkeys, dynamics of protozoan population density, plasma glutamic oxalacetic transaminase, plasma bilirubin concentration, relationship to clinical symptoms

Jaundice
Ou Tim, L.; Segal, I.; and Hodkinson, H. J., 1979, South African Med. J., v. 55 (5), 179-184 amoebic liver abscess, patients presenting with jaundice, diagnostic problems resulting in delayed therapy often result in fatal complications of hepatic and renal failure

Jaundice
Schanaun, M., 1972, Schweiz. Med. Wchnschr., v. 102 (7), 224-227 Echinococcus alveolaris, human hepatic infection, case reports, difficulties of surgical resection when jaundice is present

Jejunum. See Intestine.

Joints. See Musculoskeletal system.

Jordan
survey of Eimeria spp., chickens, no significant seasonal fluctuation of coccidiosis outbreaks: Jordan (Eimeria necatrix; E. acervulina; E. tenella; E. maxima; E. brunetti)

Jordan
Sherkov, S. N.; El Rabie, Y.; and Kokash, L., [1977], Egypt. J. Vet. Sc., v. 13 (1), 1976, 29-36 survey of tick-borne protozoa in domestic animals, spring-summer distribution: Jordan (Anaplasma ovis; Babesia ovis; Franciella ovis; Pioplasma ovis; Theileria ovis; P. bigemina; T. annulata; T. parva; A. marginale; Trypanosoma evansi; Trypanosoma brucei)

Jugoslavia. See Yugoslavia.
Kidney. [See also Urine and urinary tract]

Kidney

Altiери, A.; et al., 1973, Rassegna Internaz. Clin. e Terap., Napoli, v. 53 (19), 1188-1193 human renal echinococcosis, case report of infection diagnosed after daughter cysts were excreted via the urinary tract, clinical aspects

Kidney


Kidney

Andrade, Z. A.; and Rocha, H., 1979, Kidney Internat., v. 16 (1), 73-9 Schistosoma mansoni, glomerulopathy, clinical manifestations, pathology, immunopathology, therapy, humans

Kidney

Barratt, T. M., 1979, Arch. Dis. Childhood, v. 54 (11), 825-830 malaria as therapy for nephrotic syndrome of childhood, immunological and other aspects, brief review

Kidney

Barsoum, R. S.; et al., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (4), 367-374 schistosomiasis, humans with nephrotic syndrome, renal biopsy showed amyloid deposits, speculation that deposits are associated with circulating immune complexes

Kidney

Boopucknavig, V.; Boopucknavig, S.; and Bhamarapravati, N., 1979, Arch. Path. and Lab. Med., v. 103 (11), 567-572 Plasmodium berghei berghei-infected mice treated with chloroquine phosphate, focal glomerulonephritis in hyperimmune state, clinical, immunopathologic, and histopathologic findings

Kidney

Boopucknavig, V.; and Sitprija, V., 1979, Kidney Internat., v. 16 (1), 44-52 Plasmodium falciparum, man, renal disease associated with acute infection, extensive review

Kidney


Kidney

de Brito, T.; et al., 1969, Rev. Inst. Med. Trop. S. Paulo, v. 11 (1), 62-64 human hepato-splenic schistosomiasis, ultrastructural study of associated kidney pathology, kidney biopsies showed electron dense deposits thought to be gamma globulin

Kidney

Kidney
Schistosoma mansoni, infection induces T-cell-independent autoantibody (antinuclear antibody) in athymic mice and T-cell-dependent antischistosome antibodies in thymus-intact mice, both types of antibodies deposit in kidneys as immunocomplexes

Kidney
Date, A.; et al., 1979, Postgrad. Med. J., London (650), v. 55, 905-907
acute immune complex eosinophilic glomerulonephritis in 44-year-old man with Bancroftian filariasis, possible aetiological relationship

Kidney
Date, A.; Shastry, J. C. M.; and Johny, K. V., 1979, J. Trop. Med. and Hyg., v. 82 (7), 150-154
filarial chyluria, patients, possible pathogenetic mechanisms associated with various glomerular lesions

Kidney
Digeon, M.; et al., 1979, Clin. and Exper. Immunol., v. 35 (3), 329-337
Schistosoma mansoni, mice, IgG and IgM but not IgA anti-schistosome antibodies, circulating immune complexes containing schistosomal antigen, glomerular mesangial deposits of IgA, IgM, and C3

Kidney
Dirofilaria immitis, dog, secondary renal amyloidosis and glomerulonephritis, immune-complex mechanism

Kidney
Facer, C. A.; et al., 1978, Exper. Parasitol., v. 44 (2), 249-261
Trypanosoma brucei, rabbits, renal pathology, glomerular changes result from deposition of soluble trypanosome immune complexes, tubular changes are typical of tissue ischemia, trypanosomiasis in rabbit could be valuable model

Kidney
human schistosomiasis, nephrotic pathology, clinical review

Kidney
echinococcosis, renal infections in children, pathology, usefulness and limitations of Casoni skin test and serological tests: South Africa

Kidney
Plasmodium falciparum, humans, associated renal failure and respiratory distress, clinical aspects, case reports: Spain (travelers and workers from endemic areas)

Kidney
Hendrickse, R. G.; and Adeniyi, A., 1979, Kidney Internat., v. 16 (1), 64-74
Plasmodium malariae, children, causing immune complex nephritis, presenting clinical and biochemical findings, renal pathology

Kidney
scabies associated with acute glomerulonephritis, paediatric patients, incidence and predisposing factors, clinical and biochemical features, recommendations for management: Livingston Hospital, Port Elizabeth

Kidney
Schistosoma mansoni, human kidneys from autopsies, schistosomal antigen, immunoglobulins, complement C3, and fibrinogen

Kidney
Houba, V., 1979, Kidney Internat., v. 16 (1), 30-43
schistosomiasis, experimental renal disease, extensive review

Kidney
Trypanosoma rhodesiense-infected rats, proliferative glomerulonephritis, hypocomplementemia, nucleic acid antibodies, feasibility of rat as model host

Kidney
Oyediran, A. B. O. O., 1979, Kidney Internat., v. 16 (1), 15-22
Schistosoma haematobium, renal impairment and damage, emphasis on radiological, biochemical, and renographic studies of renal function in affected persons

Kidney
Parbtani, A.; and Cameron, J. S., 1979, Kidney Internat., v. 16 (1), 53-63
Plasmodium spp., exper. infections in mice, nephritis dependent upon deposition of immune complexes in the kidney accompanies acute infections

Kidney
Plasmodium berghei, mice, formation of two types of immune complex (one with and one lacking plasmodial antigens) and their deposition in renal glomeruli, immune complexes lacking parasite antigen may be involved in secondary autoimmune (anti-smooth muscle) process, possible induction mechanism of autoantibodies, symposium presentation

Kidney
Rickman, W. J.; and Cox, H. W., 1979, J. Parasitol., v. 65 (1), 65-73
Trypanosoma brucei rhodesiense-infected rats, syndrome characterized by anemia, splenomegaly, and glomerulonephritis, accompanied by presence of 3 autoantibodies and by presence of fixed complement and fibrinogen on trypanosomes and erythrocytes

Kidney
Schistosoma mansoni-infected mice, ultrastructure of kidney lesions, characterized as immune complex disease
Kidney
Schistosoma mansoni, S. haematobium, humans, no evidence of association with renal amyloidosis

Kidney
Schistosoma mansoni with associated chronic salmonellosis, case reports of 2 patients with nephrotic syndrome who responded poorly to therapy, renal biopsies demonstrated amyloidosis: Egypt

Kidney
Thoongsuwan, S.; and Cox, H. W., 1978, J. Parasitol., v. 64 (4), 669-673
Trypanosoma lewisi, ATC strain in Sprague-Dawley rats, anemia, splenomegaly, and glomerulonephritis accompanied by presence of cold-active hemagglutinin for trypsinized rat erythrocytes

Kidney
nephrotic syndrome with special reference to schistosomal nephropathy, preliminary morphological study

Kidney
Weisinger, J. R.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (2, pt. 1), 357-359
Leishmania donovani, human, case report, kidney involvement demonstrated clinically and histologically, deposits of immune complexes: University Hospital of Caracas, Venezuela

Kidney
Leucocytozoon dubreuilii, development of secondary schizonts in renal tubule cells of Turdus migratorius and profound parasite-induced changes in these cells, electron microscopy

Kidney
Trypanosoma brucei, rabbits, chronic infections, urine volume, urinary kallikrein, effects of inhibitors on properties, excretion of elevated levels of urinary kallikrein considered to be due to glomerular damage and possibly to activation of plasma kallikrein by parasite and by parasite/antibody complexes

Kidney
Wright, I. G.; and Goodger, B. V., 1979, Ztschr. Parasitenk., v. 59 (2), 115-119
Babesia bovis, splenomecised calves (exper.), urine analysis, kidney histopathology

Kineto plast
Benard, J.; Riou, G.; and Saucier, J. M., 1979, Nucleic Acids Research, v. 6 (5), 1941-1952
Trypanosoma cruzi at different stages of culture and grown in presence of ethidium, kinetoplast DNA, characterization by sedimentation analysis

Kineto plast
Borel, P.; and Fase-Powelr, F., 1979, Biochim. et Biophys. Acta, v. 565 (1), 1-12
Trypanosoma brucei brucei, fragment map of maxi-circle component from kinetoplast DNA networks

Kineto plast
Trypanosoma cruzi, tricarboxylic acid cycle operation at kinetoplast-mitochondrion complex: effect of ethidium bromide on growth and cytochrome content, substrate oxidation by dyskinetoplastic and cytochrome-deficient epimastigotes

Kineto plast
Donelson, J. E.; Majiwa, P. A. O.; and Williams, R. O., 1979, Plasmod, v. 2 (4), 572-588
Trypanosoma brucei, kinetoplast DNA minicircles share regions of sequence homology

Kineto plast
Crithidia fasciculata, replication of kinetoplast DNA networks

Kineto plast
Englund, P. T., 1979, J. Biol. Chem., v. 254 (11), 4895-4900
Crithidia fasciculata, free minicircles of kinetoplast DNA

Kineto plast
Trypanosoma brucei brucei bloodstream form, kinetoplast DNA, isolation and characterization, comparison with T. b. equiperdum, concluded that maxi-circle of trypanosomases is genetic equivalent of mitochondrial DNA of other organisms

Kineto plast
Fouts, D. L.; and Wolstenholme, D. R., 1979, Nucleic Acids Research, v. 6 (12), 3785-3804
Crithidia acanthocephali, evidence for partial RNA transcript of small circular component of kinetoplast DNA

Kineto plast
Crithidia acanthocephali, circular kinetoplast DNA molecules, heterogeneity in sensitivity to cleavage by 2 bacterial restriction endonucleases

Kineto plast
Hajduk, S. L., 1979, J. Cell Sc., v. 35, 185-202
Crithidia fasciculata, Trypanosoma equiperdum, observations on dyskinetoplasty, possible mechanisms of acriflavine action

Kineto plast
Trypanosoma equiperdum, structure of kinetoplast DNA isolated from normal kinetoplastic, spontaneously dyskinetoplastic, and acriflavine-induced dyskinetoplastic strains
Kinetoplast
Crithidia lucilae, RNA contains transcripts of maxi-circle and not mini-circle component of kinetoplast DNA

Kinetoplast
Martin, E.; and Mukkada, A. J., 1979, J. Biol. Chem., v. 254 (23), 12192-12198
Leishmania tropica promastigotes, identification of terminal respiratory chain components, evidence for presence of typical trypanosomatid respiratory chain

Kinetoplast
Martin, E.; and Mukkada, A. J., 1979, J. Protozool., v. 26 (1), 138-142
Leishmania tropica promastigotes, crude preparations of kinetoplast vesicles used to investigate respiratory chain components, evidence for presence of typical trypanosomatid respiratory chain

Kinetoplast
Riou, G.; and Barrois, M., 1979, Biochem. and Biophys. Research Commun., v. 90 (2), 405-409
Trypanosoma equiperdum, restriction cleavage map of kinetoplast DNA minicircles

Kinetoplast
Trypanosoma brucei, comparative study of kinetoplast DNA in culture epimastigote, blood trypomastigote, and intracellular amastigote stages

Kinetoplast
Trypanosoma equiperdum, characterization of molecular components in kinetoplast DNA of wild strain vs. mitochondrial DNA of dyskinetoplastic strain

Kinetoplast
Crithidia oncophelti, acriflavine, effect on structure of kinetoplast, kinetoplast DNA, protein synthesis in kinetoplast and cytoplasmic ribosomes; suggests that information required for synthesis of kinetoplast ribosomes is contained in kinetoplasts

Kinetoplast
Trypanosoma lewisi, kinetoplast DNA associate, isolation and physico-chemical characterization

Kinetoplast
Hemoflagellate protozoa, method for isolation of maxicircle component of kinetoplast DNA

Kinetoplast
Leishmania tarentolae, 2 major kinetoplast RNA species, isolation, physical properties, labeling characteristics, and transcriptional origin

Kinetoplast
Stuart, K., 1979, Plasmid, v. 2 (4), 520-528
Trypanosoma brucei maxicircle DNA in kinetoplast DNA networks, restrictionendonuclease cleavage map

Kinetoplast
Vickerman, K., 1977, Protozoology, v. 3, 57-69
Trypanosoma evansi, SAK strain, 4',6-diamino-2-phenylindole (DAPI) staining of kinetoplast, dyskinetoplastic mutation, pleomorphism, comparison with other flagellates

Kinetoplast
Warton, A.; and Modlinska, M., 1975, Acta Parasitol. Polon., v. 23 (1-11), 127-133
Trypanosoma spp., mice, rats, effect of acriflavine on dynamics of trypanosome population size and formation of dyskinetoplastic forms in host blood

Kinetoplast
Crithidia oncophelti, C. fasciculata, ribosomal RNA synthesis in kinetoplasts

Komi ASSR. See Russia, Komi ASSR.

Korea
intestinal parasites, survey of Korean soldiers
(Acascaris lumbricoides; T. trichiurus; hookworm; T. orientalis; C. sinensis; M. yokogawai; Taenia sp.; H. nana)

Korea
Eum, M. S.; et al., 1975, Soakwa (J. Korean Pediat. Ass.), v. 18 (8), 37-43 (583-589)
helmint infestations in children, incidence survey: Busan, Korea
(Trichostrongylus orientalis; Ancylostoma duodenale; Enterobius vermicularis; Ascaris lumbricoides; Trichocephalus trichiurus; Clonorchis sinensis; Paragonimus westermani; Taenia)
Lactation. [See also Disease transmission, Lactation]

Lactation

Aminzhanov, M., 1978, Uzbek. Biol. Zhurnal (2), 61-63 echinococcosis, canine, newborn puppies fed only mother's milk up to 30-45 days of age, not protected against experimental infection given 4-5 days after birth

Barger, I.A., 1979, Austral. Vet. J., v. 55 (2), 68-70 nematodes, grazing dairy cattle, single anthelmintic treatment (fenbendazole) had no significant influence on milk production: Australia


McBeath, D. G.; Dean, S. P.; and Preston, N. K., 1979, Vet. Rec., v. 105 (22), 507-509 Ostertagia ostertagi, winter calving dairy cows, fenbendazole administered during the dry period resulted in increases in subsequent lactation yields: farms in north-west England

Michael, J. F.; Lancaster, M. B.; and Hong, C.; 1979, Parasitology, v. 79 (1), 157-168 Ostertagia ostertagi, cattle, effect of age, previous experience of infection, pregnancy, and lactation on resistance to establishment of worms, rate at which populations are turned over, and arrested development

Okhotina, M. V.; and Nadtochy, E. V., 1970, Acta Parasitol. Polon., v. 18 (1-12), 81-84 Mammanidula asperocutis infection exerts limiting effect on population of Sorex spp. because infected female hosts do not produce milk and their offspring therefore perish


Legal medicine. See Medicine, Legal.

Leprosy


Prost, A.; Nebout, M.; and Rougemont, A., 1979, Brit. Med. J. (6163), v. 1, 589-590 onchocerciasis in districts with and without high prevalence, prevalence of lepromatous leprosy about twice as high in areas where onchocerciasis is hyperendemic, reduced level of immunity because of onchocerciasis: Republic of Upper Volta, West Africa

Leucocytes. See Blood.

Life cycle. [See also Development]

Life cycle


Life cycle


Life cycle


Life cycle


Life cycle, Acanthocephala

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<td>Bethel, W. M.; and Holmes, J. C., 1977, Canad. J. Zool., v. 55 (1), 110-115</td>
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<td>Larval acanthocephalans induce behavioral alterations in infected amphipods which</td>
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<td>render them more vulnerable to predation by definitive hosts</td>
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<td>Buckner, R. L.; and Nickel, B. B., 1979, J. Parasitol., v. 65 (1), 161-166</td>
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<td>Fessisentis, 4 species differ in several characters not obscured by geographical</td>
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<td>or host-induced morphological variation; F. fessus, confirmation of life cycle</td>
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<td>Camp, J. W.; and Huizinga, H. W., 1979, J. Parasitol., v. 65 (4), 667-669</td>
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<td>Acanthocephalus dirus-infected Asellus intermedius, altered color, behavior, and</td>
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<td>susceptibility to predation by Semotilus atromaculatus</td>
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<td>Life cycle, Arthropoda</td>
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<td>Rhipicephalus turanicus, life history: Madras, India</td>
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<td>Life cycle, Arthropoda</td>
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<td>Belozerov, V. N.; and Ghalal Murad, M., 1977, Entom. Obozr., v. 56 (3), 495-504</td>
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<td>Hyalomma anatolicum, photoperiodic regulation of nymphal development, long-day type reaction, related to engorgement, seasonal-cyclic adaptation: Tadzhikistan and Turkmenia, USSR</td>
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<td>Hyalomma anatolicum, photoperiodic regulation of nymphal development, long-day type reaction, related to engorgement, seasonal-cyclic adaptation: Tadzhikistan and Turkmenia, USSR</td>
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<td>Life cycle, Arthropoda</td>
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<td>Belozerov, V. N.; and Ghalal Murad, M., 1977, Entom. Obozr., v. 56 (3), 495-504</td>
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<td>Hyalomma asiaticum asiaticum, duration of life cycle in natural biotopes (burrows of [Rhombomys opimus]), temperature requirements: Turkmenia</td>
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<td>Life cycle, Arthropoda</td>
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<td>Belozerov, A., 1972, Parazitologiia, Leningrad, v. 8 (3), 227-233</td>
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<td>Ixodidae, 4 types of &quot;life schemes&quot; distinguished on basis of ecological and life cycle studies</td>
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<td>Bhat, H. R., 1978, Indian J. Animal Sc., v. 48 (11), 821-825</td>
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<td>Amblyomma integrum, life-history under laboratory conditions, periodicity in engorgement and dropping, correlation between total egg output and weight of engorged females</td>
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<td>Haemaphysalis spinigera, life-history under laboratory conditions, periodicity in engorgement and dropping off, total egg output directly proportional to weight of engorged female</td>
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<td>Acanthocephalus dirus-infected Asellus intermedius, altered color, behavior, and</td>
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<td>susceptibility to predation by Semotilus atromaculatus</td>
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<td>Life cycle, Arthropoda</td>
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<td>Syringophiloidus minor, population development in juvenile and nuptial plumes of Passer domesticus, winter dispersal, dispersal into unoccupied coverts of adult birds not observed, effect of dispersal on population composition, population dynamics in the 2 plumages</td>
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<td>Life cycle, Arthropoda</td>
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<td>Dermatobia hominis, life cycle maintained under laboratory conditions, infection of rats for study of chemotherapeutics</td>
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<td>Ixodes hexagonus, development of individual stages, 5-year developmental cycle predominant, tick-borne encephalitis natural focus: North Moravia</td>
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<td>Life cycle, Arthropoda</td>
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<td>Mytilicola intestinalis in Mytilus edulis, population dynamics, parasite maturation and breeding, seasonal variation, mortality, environmental temperatures are believed to control parasite developmental cycle: Lynher River, Cornwall, England</td>
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<td>Life cycle, Arthropoda</td>
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<td>Demodex longissimus n. sp., D. molossi sp. n., life cycle, population dynamics, and pathology in bats</td>
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<td>Ornithodoros gurneyi, laboratory rearing technique, feeding and detaching, molting and development, mating and oviposition, reproductive diapause, effects of temperature, photoperiod, and pressure</td>
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<td>Listrophorus validus, Schizocarpus numerosus, developmental cycle, morphogenesis</td>
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<td>Life cycle, Arthropoda</td>
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<td>Laelaps agilis, description of preadult stages, notes on life history and feeding habits</td>
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<td>Life cycle, Arthropoda</td>
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<td>Marsupialichus marsupialis spec. nov., experimental life cycle</td>
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Life cycle, Arthropoda
Amblyomma inornatum, collected from native wild hosts, adult ticks colonized in laboratory with guinea pigs as hosts, life cycle studies, measurements of larvae and nymphs: south Texas

Life cycle, Arthropoda
Hippobosca longipennis, biology in Egypt, laboratory observations: adult emergence, feeding mechanism, frequency and amount of blood meal, tolerance to starvation, sexual maturity, mating behavior, sex ratio, intrauterine larval development, larviposition and description of 3rd larval stage, adult longevity and fecundity, description of pupa, pupal duration (effect of temperature, relative humidity, and host)

Life cycle, Arthropoda
Hafez, M.; and Hilali, M.; and Fouda, M., 1977, Ztschr. Ang. Entom., v. 85 (4), 426-441
Hippobosca equina, field-collected and laboratory-reared on guinea pigs, biology of adult males vs. females (feeding, longevity of starved adults in 2 seasons, longevity of normal adults and fecundity in 2 seasons, effect of presence of males on fecundity of females, sexual maturation, sex ratio); larval stage (larviposition, description, and duration of 3rd larval stage; seasonal intraterine larval development); pupal stage (duration, effect of temperature and humidity)

Life cycle, Arthropoda
Argas africolumbae, variation, distribution, hosts and habitats, preliminary life cycle studies

Life cycle, Arthropoda
Hyalomma asiaticum kozlovi, life history

Life cycle, Arthropoda
Iurgenson, I. A.; and Teplykh, V. S., 1971, Parazitologiya, Leningrad, v. 5 (2), 119-127
Ctenophthalmus orientalis, preimaginal stages, description of early larval stages

Life cycle, Arthropoda
Crivellia silenus, cymus scammoni, life cycle on gray whale, study of parasite reproduction during host migration periods, damage to host cutaneous tissue, ability to survive out of water for several days, comparisons with C. ceti and C. kessleri life cycles: off central California coast; shore station at Pt. San Pablo, California; Pt. Barrow, Alaska

Life cycle, Arthropoda
Madel, G., 1971, Folia Parasitol., v. 18 (1), 85-91
Crivellia silenus, goat, larval stages described, influence of field temperatures on development: Badakhshan, Afghanistan

Life cycle, Arthropoda
Mirzoeva, L. M., 1972, Parazitologiya, Leningrad, v. 6 (3), 252-258
Sinergasilus lieni, life cycle and biology: description of developmental stages, rate of development, duration of life, numbers of generations, incidence and intensity on fish hosts, effect of temperature and hydrochemical conditions: Moskovsk oblast; Krasnodar Krai

Life cycle, Arthropoda
Leiperia gracilis, life cycle, review of literature
Life cycle, Arthropoda
Ornithonyssus bursa, behavior of mite in Sturrns vulgaris nest boxes during breeding season, cycle of infestation of starling broods, mites' reaction to development and fledging of nestlings: New Zealand

Life cycle, Arthropoda
Haemogamasus kitanoi, biology and distribution in Kazakhstan (life cycle, feeding, reproduction, survival, parthenogenesis, starvation periods)

Life cycle, Arthropoda
Oestrus ovis, sheep, extenty of intensity of infection, time of development, localization of different stage larvae within host, time and distance of flight of adult females: lowland, foothill, and mountain zones of Azerbaidzhan SSR

Life cycle, Arthropoda
Oedemagena tarandi, rate of development and survival in [Rangifer tarandus] (exper.)

Life cycle, Arthropoda
Wolffafartia magnifica, pupal diapause, autumn temperatures and photoperiod as factors, practical importance of stronger autumn control measures to prevent population buildup

Life cycle, Arthropoda
Boophilus microplus, development on previously unexposed Bos indicus and B. taurus, body length measurements for estimation of ages of parasitic stages, growth rates on various body regions of host

Life cycle, Arthropoda
Amblyomma maculatum, feeding and development, effects of vitamin and mineral deficiencies in host Rattus norvegicus diet

Life cycle, Arthropoda
Argulus spp., key, ecology and life history

Life cycle, Arthropoda
Zolotova, S. I.; and Iakunin, V. M., 1973, Parazitologiia, Leningrad, v. 7 (1), 24-30
Pulex irritans, rate of development under different experimental conditions of temperature and humidity

Life cycle, Arthropoda
Xenopsylla, numbers of generations in northern desert subzone, overlapping of generations, overwintering: Bakenassz CAMS

Life cycle, Cestoda
Apolarakis birulai, postembryonic development in Lumbriculus, morphological and histological descriptions; cysticercoid is floricer type

Life cycle, Cestoda
Figueroa, L.; et al., 1979, Bol. Chileno Parasitol., v. 34 (1-2), 13-20
Diphyllobothrium sp., Larus dominicanus as possible definitive host for parasites of trout of south-Chilean lakes; parasite morphology, histology, morphometric data: lago Calafquen

Life cycle, Cestoda
Diphyllobothrium sp., incidence of plerocercoids in Salvelinus namaycush, % of fish eating plankton, forage fish present, implications for route of transmission: Algonquin Park lakes, Canada

Life cycle, Cestoda
Hymenolepis spp., differences in intermediate hosts in the Pyrenees, Poland, and Czechoslovakia

Life cycle, Cestoda
Eubothrium spp., fishes, specificity, distribution, and habitat, life cycle, use as biological tags, review

Life cycle, Cestoda
Triaenophorus, monographic review of morphology, life cycle, development, geographic distribution, interrelation with host and pathogenic role, host specificity, evolution, species formation; key to species, host list, synonymy, includes: T. nodulosus (Pallas, 1771); T. amurensis Kuperman, 1968; T. stizostedionis Miller, 1945; T. crassus Forel, 1868; T. meridionalis Kuperman, 1968; T. orientalis Kuperman, 1968

Life cycle, Cestoda
Eubothrium salvelini, E. crassum, life cycles, egg structure, influence of salinity on ontogenesis of early stages: Kamchatka river basin
Life cycle, Cestoda

Kuperman, B. I.; and Monakov, A. V., 1972, Parazitologiia, Leningrad, v. 6 (3), 274-282
Trienophorus nudulosus in Perca flavescens, life history, description of cyst, plerocercoid, and invasive stages, annual incidence and intensity of infection, relationship of host size to infection, dynamics of infection: Heming Lake, Manitoba

Life cycle, Cestoda

Trienophorus nudulosum in Lepomis macrochirus, life cycle, invasion of livers, growth of adults, development of cysticercoids in Tribolium confusum (exper.), and of adult worms in Mesocricetus auratus (exper.)

Life cycle, Cestoda

Maksimova, A. P., 1973, Parazitologiia, Leningrad, v. 6 (3), 283-290
Retinometra guberiana, Parabisaccanthes philactes, experimental development in intermediate hosts (cyclops)

Life cycle, Cestoda

Maksimova, A. P., 1972, Parazitologiia, Leningrad, v. 6 (3), 274-282
Trienophorus nudulosus in Perca flavescens, life history, description of cyst, plerocercoid, and invasive stages, annual incidence and intensity of infection, relationship of host size to infection, dynamics of infection: Heming Lake, Manitoba

Life cycle, Cestoda

Maksimova, A. P., 1973, Parazitologiia, Leningrad, v. 7 (4), 303-315
Hymenolepididae, branchiopods reported as intermediate hosts: Tengiz lake, Tselino-oblast, Northern Kazakhstan

Life cycle, Cestoda

Neraudova-Valkounova, J., 1971, Folia Parasitol., v. 18 (1), 27-32
Rodentolepis erinacei, life cycle, hedgehogs, beetles: Czechoslovakia

Life cycle, Cestoda

Prokopiec, J., 1971, Folia Parasitol., v. 18 (1), 79-90
Senga visakhapatnensis, life cycle

Life cycle, Cestoda

Ramadevi, P., 1976, Folia Parasitol., Roma, v. 37 (1), 90-93
Moschocotides corti, life cycle in Canis familiaris

Life cycle, Cestoda

Skribkin, A. S., 1972, Parazitologiia, Leningrad, v. 6 (5), 426-434
Phyllobothrium, life cycle, morphology of larval stages

Life cycle, Cestoda

Hymenolepis peromysci, growth and development of cysticercoids in Tribolium confusum (exper.) and of adult worms in Mesocricetus auratus (exper.)

Life cycle, Cestoda

Tomilovskaja, N. S., 1974, Parazitologiia, Leningrad, v. 8 (2), 179-181
Trichocephaloides megalopechala, Chironomus sp. identified as intermediate host: northwestern Chukotka

Life cycle, Cestoda

Hamatolepis tenacoides, attempted experimental infection of 10 potential intermediate hosts, development to cysticercoid only in Heterocotyle incongruens, inhibited development in Cypridopsis vidua, Doleroxyprytycs fasciata, and Notodromas monacha

Life cycle, Cestoda

Nematopanarea southwelli, Gastrotania paracygni, life cycle studies, development in intermediate hosts

Life cycle, Miscellaneous phyla

Khan, R. A.; and Meyer, M. C., 1978, J. Parasitol., v. 64 (4), 766-768
Oceanobdella sexoculata on Macrozoarces americanus, evidence that two generations of leeches occurred each year in wild and laboratory populations

Life cycle, Miscellaneous phyla

Marsupiobdella africana, morphology, life history, localization, host specificity (Xenopus toads)

Life cycle, Miscellaneous phyla

Luetzen, J., 1979, Ophelia, v. 18 (1), 1-51
Enteroxyno oestergreni in Stichopus tremulus and E. parastichopoli in Parastichopus californicus, detailed life history, frequency, infection sites, reproduction, metamorphosis of male larvae completed by implantation in female's central cavity, biology and anatomy of male E. oestergreni; biology compared with other species of Entoconchidae; effect of E. oestergreni on host

Life cycle, Nematoda

Ascaris lumbricoides, A. suum, Toxocara canis, larvae, early ecdyses, 2 distinct cuticles at extremities, probably 2 ecdyses before eclosion, third stage as infective form, and 5 ecdyses in life cycle

Life cycle, Nematoda

Arizono, N., 1976, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 25 (4), 274-282
Strongyloides planiceps, differentiation into three developmental types (free-living males, free-living females, and infective larvae), effects of quantity of food (feces) and population density

Life cycle, Nematoda

Arizono, N., 1976, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 25 (4), 328-335
Strongyloides planiceps, differentiation into three developmental types (free-living males, free-living females, and infective larvae), effect of temperature

Life cycle, Nematoda

Bain, O., 1979, Ann. Parasitol., v. 54 (4), 483-488
Onchoerca gutturosa, cattle, successful experimental infection of Culicoides nubeculosus (probable vector rather than Simulium ornatum); description of infective stage in comparison with O. volvulus and O. cervicalis
**SUBJECT HEADINGS**

Life cycle, Nematoda


Onchocerca of cattle, redescription of female and microfilariae of O. lienalis, differentiation from O. gutturosa (in addition to morphologic differences, the 2 species have different localizations of adults and of microfilariae and probably have different vectors), (that in England in Simulium ornatum is probably O. lienalis not O. gutturosa)

Life cycle, Nematoda


Oswaldocruzia pipiens, development and transmission in amphibians, prevalence and intensity in different months and in different host size classes: near Guelph, Ontario

Life cycle, Nematoda

Baker, M. R., 1978, J. Parasitol., v. 64 (4), 765-766

Cosmoberoides dukes, demonstration of apparently independent life cycles in molluscs and amphibians: marsh near Guelph, Ontario, Canada

Life cycle, Nematoda

Barus, V., 1970, Folia Parasitol., v. 17 (1), 49-59

Subulura suctoria, development and morphology of larval stages in Alphitobius diaperinus, effect of temperatures on length of larval development

Life cycle, Nematoda

Barus, V.; and Blazek, K., 1971, Folia Parasitol., v. 18 (3), 215-226

Crenosoma striatum, life cycle, morphology in intermediate and definitive host, pathogenicity in organism of definitive host

Life cycle, Nematoda


Rugopharynx rosemariae new species, life cycle stages and associated pathology

Life cycle, Nematoda

Bhaibulya, M.; and Indra-Ngarm, S., 1979, Internat. J. Parasitol., v. 9 (4), 321-322

Capillaria philippinensis, Amaurornis phoenicurus and Ardea bacchus as experimental definitive hosts, prepatent periods, occurrence of autoinfection, development of protective immunity

Life cycle, Nematoda


Capillaria philippinensis, freshwater fish of Thailand as experimental intermediate hosts

Life cycle, Nematoda

Birova, V.; and Calvo, A., 1979, Poeayana (191), 10 pp.

Strongyloides avium in Gallus gallus f. domestica, some aspects of life cycle: observation of molt in host; pattern of oviposition of parasitic female

Life cycle, Nematoda

Birova, V.; Calvo, A.; and Ovies, D., 1979, Poeayana (190), 1-16

Tropisurus confusus, developmental cycle in Porcellionides pruinosis (exper.)

Life cycle, Nematoda

Cheng, Y. C., 1976, J. Milk and Food Tech., v. 39 (1), 32-46

Anisakidae, review of life cycle

Life cycle, Nematoda


Parascaris equorum in worm-free pony foals (exper.), migration and development

Life cycle, Nematoda

Cooper, C. L.; Crites, J. L.; and Sprinkle-Fastkie, D. J., 1978, J. Parasitol., v. 64 (1), 102-107

Eustrongylides tubifex, third and fourth stage larvae, prevalence and intensity in various age/size classes of fish hosts with possible factors responsible for results, site selection, emergence behavior in relation to temperature as possible adaptation to facilitate rapid infection of definitive warm-blooded host upon ingestion of infected fish

Life cycle, Nematoda


Dracunculus insignis in Procyon lotor (legs), pathology, seasonal prevalence, experimental transmission to copepods and possible para-topic hosts: southern Ontario

Life cycle, Nematoda

Cross, J. H.; Banzon, T.; and Singson, C., 1978, J. Parasitol., v. 64 (2), 208-213

Capillaria philippinensis, development in Meriones unguiculatus given larvae from experimentally infected Hypselotris bipartita or fed naturally infected H. bipartita, auto-infection is integral part of life cycle, parasite can also be maintained in laboratory by serial passage from gerbil to gerbil, erratic and short-lasting infections developed in Rattus norvegicus and R. rattus exposed to infection with larvae from experimentally infected fish: Philippines

Life cycle, Nematoda

Denke, A. M.; and Bain, O., 1978, Ann. Parasitol., v. 53 (6), 757-760

Onchocerca ochengi, development in Simulium damnosum s.l.

Life cycle, Nematoda

Denke, A. M.; and Bain, O., 1978, Ann. Parasitol., v. 53 (6), 757-760

Onchocerca ochengi, development in Simulium damnosum s.l.

Life cycle, Nematoda


Filaroides osleri in wild and domestic canids (nat. and exper.), prevalence in relation to host age and sex, life history, transmission: Australia

Life cycle, Nematoda


Spininectes ranae, life cycle, morphology
Life cycle, Nematoda

MacKenzie, K. I.; and Gibson, D. I., 1970, Sym-
possia Brit. Soc. Parasitol., v. 8, 1-42
Cucullanus minitus, C. heterochrous: Scot-
land

Life cycle, Nematoda

v. 24 (11-19), 143-158
Trichinella spiralis, new views on life
-cycle with remarks on epidemiology and
population dynamics; synonymy

Life cycle, Nematoda

Mallory, D., 1979, J. NematoL., v. 11 (4), 321-
328
Mesonermis camdenensis n. sp., life cycle,
bionomics

Life cycle, Nematoda

Melendez, R. D.; and Lindquist, W. D., 1979, J.
Parasitol., v. 65 (1), 85-88
Ascaridida columbae in intravenously infected
Columba livia, larvae complete tracheal
migration and arrived at small intestine
where they established patent infection,
histopathological description of lung granu-

Life cycle, Nematoda

Turkmen. SSR, s. Biol. Nauk (3), 31-35
Gongylonema ivaschkini sp. n., larval
stages and life cycle

Life cycle, Nematoda

Mondet, B.; Berl, D.; and Bernadou, J., 1977,
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Isomeris sp. in larvae and adults of
Simulium damnosum (nat. and exper.), life
cycle: riviere Marahoue dans le centre de
la Cote d'Ivoire

Life cycle, Nematoda

Moravec, F., 1971, Polia Parasitol., v. 18
(2), 107-112
Cystidicoloidei tenuissima, life history,
seasonal changes in incidence, mean inten-
sity of infection, maturation: vicinity of
Hruba Voda, Czechoslovakia

Life cycle, Nematoda

Morozov, Iu. F., 1960, Uchen. Zapiski
Gor'kovsk. Gosudarstv. Pedagog. Inst. im. M.
Gor'kii, v. 27, 121-132
Rictularia amurensis, life cycle, description
of 1st, 2nd, and 3rd stage larvae

Life cycle, Nematoda

Nazarova, N. S., 1960, Uchen. Zapiski
Gor'kovsk. Gosudarstv. Pedagog. Inst. im. M.
Gor'kii, v. 27, 121-132
Spirocerca lupi, life cycle, development in
intermediate and final hosts, description of
egg, 1st, 2nd, and 3rd stage larvae

Life cycle, Nematoda

Omar, M. S.; and Zielke, E., 1978, Tropenmed.
u. Parasitol., v. 29 (3), 364-370
Wuchereria bancrofti larvae, abortive develop-
ment in refractory strain of Culex pipiens
fatigans (exper.) from Liberia, West Africa
SUBJECT HEADINGS

Life cycle, Nematoda
Gastromermis sp. in anopheline larvae, parasitism ratio, life cycle, value as possible biological control agent: southwestern Louisiana

Life cycle, Nematoda
Parelaphostrongylus odocoilei, life cycle (prepatent period, duration of patency, larval production), comparison in different cervids, Odocoileus virginianus dacotensis was refractory to infection

Life cycle, Nematoda
Oesophagostomum dentatum, isolation of pure strain, several morphological characteristics (statistical analysis of variation in measurements), life cycle

Life cycle, Nematoda
Poinar, G. O., Jr., 1977, Canad. J. Zool., v. 55 (9), 1475-1479
Empidomerma cozi n. gen., n. sp., life cycle, parasitized adult female Anopheles funestus were sterilized and died soon after nematodes emerged

Life cycle, Nematoda
Poinar, G. O., Jr.; and Brooks, W. M., 1977, IRCS J. Med. Sci., v. 6 (10), 473
Neaoplectana glaseri, xenic field population recovered from parasitized larvae of the spring rose beetle; life cycle, morphometric study, may be useful as biologic control agent for insect pests living in soil

Life cycle, Nematoda
Truttsedaecnitis stelmioides, seasonal prevalence, intensity, life cycle studies

Life cycle, Nematoda
Tetrameres mohtedai, successful completion of life cycle using Porcellio laevis and White Leghorn chicks (both exper.), larval development and measurements, simultaneous infection of both hosts with Aucaria spiralis

Life cycle, Nematoda
Contracaecum micropapillatum, life cycle

Life cycle, Nematoda
Contracaecum micropapillatum, life cycle studies, experimental infection with third stage larvae in various reservoir (transport) hosts, aquatic invertebrates and vertebrates

Life cycle, Nematoda
Parasitaphelenchus papillatus, development of various stages in body cavity of Blastophagus piniperda or in its tunnels and frass

Life cycle, Nematoda
Parasitorrhhabditis, life cycles classified

Life cycle, Nematoda
Labiostrongylus eugenii in Macropus eugenii: Kangaroo Island, Australia

Life cycle, Nematoda
Soboleva, T. N., 1972, Parazitologija, Leningrad, v. 6 (6), 562-566
Hastistesia ochotonae, life cycle, description of developmental stages

Life cycle, Nematoda
Hematospiculum cylindricum, description, life cycle

Life cycle, Nematoda
Filariata, ecological relationships of intermediate and definitive hosts, review

Life cycle, Nematoda
Polydelphis, Travassosascaris n. gen., Hexametra, life history, description

Life cycle, Nematoda
Stone, W. M.; Stewart, T. B.; and Smith, F., 1979, J. Parasitol., v. 65 (3), 460-461
Ancylostoma caninum, longevity and infectivity of tissue phase larvae in guinea pigs and swine, both shown to be potential paratenic hosts

Life cycle, Nematoda
Supriaga, V. G.; and Mozgovoi, A. A., 1974, Parasitologija, Leningrad, v. 8 (6), 494-503
Raphidascaris acus, morphology of larval stages, life cycle, role of paratenic hosts

Life cycle, Nematoda
Skrijahillanidae, life cycle and morphology studies

Life cycle, Nematoda
Philometroides huronensis, morphology, growth, and development of larval stages in copepods, transmission to Catusotus commersoni held at controlled temperatures and photoperiods
Life cycle, Nematoda
Uhazy, L. S., 1977, Canad. J. Zool., v. 55 (9), 1430-1441
Philometroides huronensis in Catostomus commersoni, prevalence and intensity of all stages, host age, season, annual life cycle

Life cycle, Nematoda
Ascarops strongylina, white mice (exper.), reencystment of juveniles with no further development, possible paratenic host

Life cycle, Nematoda
Dentostomella translocuica in captive Mongolian gerbils, case reports, life cycle

Life cycle, Protozoa
Leucocytotazo tawaki, life cycle: schizogonic stages in Eudyptes pachyrhynchus described and parasitemia quantified; sporogonic stages in Austrosimulium unguatulatum described; observations on transmission to penguin chicks: Jackson Head, south Westland

Life cycle, Protozoa
Andrews, T. G.; and Hall, D. W., 1979, J. Protozool., v. 26 (3), 444-452
Amblyospora sp., development, ultrastructure, and mode of transmission in Culex salinarius

Life cycle, Protozoa
Andreadis, T. G.; and Hall, D. W., 1979, J. Protozool., v. 26 (3), 444-452
Amblyospora sp., development, ultrastructure, and mode of transmission in Culex salinarius

Life cycle, Protozoa
Toxoplasma gondii, essential role of cat in life cycle and in transmission to man

Life cycle, Protozoa
Plasmodium v. vinckei; F. b. berghei, biology of rodent malaria; monograph covering life cycle in vertebrate and invertebrate hosts, light and electron microscopic study of morphology

Life cycle, Protozoa
Balédi, B., 1974, Parassitologia, v. 16 (1), 21-45
Toxoplasma gondii, life cycle, epidemiology, review

Life cycle, Protozoa
Rasajeyma nannyla, seasonal abundance of three life cycle stages in Tipula paludosa and T. vittata: Northumberland, United Kingdom

Life cycle, Protozoa
Berr, T. V., 1979, Tsitologiia, v. 21 (3), 295-299
Karyolysus sp. trophozoites, interaction with lizard liver cells during host hibernation: lake Sevan, Armenia

Life cycle, Protozoa
Bhattacharya, B. B.; et al., 1978, Indian J. Animal Sci., v. 48 (9), 688-691
Eimeria dispersa, life cycle in turkeys

Life cycle, Protozoa
Trypanosoma cruzi, life cycle in vertebrate and invertebrate hosts, influence of parasite strains, host genetic factors, bacterial flora, and parasite morphology on host susceptibility

Life cycle, Protozoa
Burreson, E. M., 1979, J. Protozool., v. 26 (3), 343-347
Trypanoplasma beckeri sp. n., structure, life cycle, leech vector

Life cycle, Protozoa
Sarcocystis dispersa in mice, asexual multiplication directly in cytoplasm of hepatic cells without formation of parasitophorous vacuole, new process of endogenesis (multiple synchronous endopolygenesis)

Life cycle, Protozoa
Chechynskev, N. B., 1973, Parazitologiia, Leningrad, v. 7 (6), 485-488
Sphaerospora cristata, plasmodia and spores found in Lota lota (kidneys), life cycle, host age, infection rate increases during winter: lake Vrevo, Leningradsk oblast

Life cycle, Protozoa
Dactylosoma ranarum, life cycle forms related to Toxoplasma

Life cycle, Protozoa
Trypanosoma rangeli, Peruvian strain, growth and development in Rhodnius ecuadoriensis (hemocele, glandulas salivares) (exper.)

Life cycle, Protozoa
Sarcocystis levinei n. sp., life cycle in turkeys

Life cycle, Protozoa
Toxoplasma gondii, kittens (exper.), gametogenic cycle

Life cycle, Protozoa
Eimeria dispersa, life cycle in turkeys
Life cycle, Protozoa
Doran, D. J., 1978, J. Parasitol., v. 64 (5), 882-885
Eimeria dispersa, turkey strain, life cycle compared in chickens, Alectoris graeca, Phasianus colchicus, and Colinus virginianus (all exper.)

Life cycle, Protozoa
Isospora ohiensis, life cycle, endogenous stages in dog following oocyst-induced and mouse-induced infections, occurrence throughout small intestine, caecum, and colon, extraintestinal stages not found but biological evidence indicated invasion of spleens and mesenteric lymph nodes of dogs fed oocysts

Life cycle, Protozoa
Dubey, J. P., 1979, J. Protozool., v. 26 (3), 433-443
Isospora rivolta, life cycle in cats and mice, pathogenicity for newborn but not for weaned cats

Life cycle, Protozoa
Dubey, J. P., 1979, J. Protozool., v. 26 (3), 367-376
Dubremetz, J., 1978, J. Parasitol., v. 64 (2), 326-329
Dusznyski, D. W.; and Box, E. D., 1978, J. Parasitol., v. 64 (2), 326-329
Sarcocystis-infected muscles from Molothrus ater, Cassidix mexicanus, Quiscalus quiscula, and Anas acuta produced patent infections when fed to Didelphis virginiana but infected muscle from A. carolinensis and Spatula clypeata did not, sporocysts of cowbird and grackle origin designated as S. debonei, those of duck origin not given species designation, opossum likely to be important definitive host for Sarcocystis of icterid birds: Texas

Life cycle, Protozoa
Ernst, J. V.; and Chobotar, B., 1978, J. Parasitol., v. 64 (1), 27-34
Eimeria utahensis, endogenous life cycle in Dipodomys ordii (exper.)

Life cycle, Protozoa
Evans, D. A.; Ellis, D. S.; and Stanford, S., 1979, J. Protozool., v. 26 (4), 557-563
Trypanosoma congoense, development in Glossina morsitans morsitans, ultrastructure

Life cycle, Protozoa
Sarcocystis bovicanis, calves (exper.), life cycle, first asexual generation

Life cycle, Protozoa
Eimeria brunetti, sporulation of oocysts, development of zygote and formation of sporoblasts, light and electron microscopy

Life cycle, Protozoa
Eimeria brunetti, sporulation of oocysts, development into sporocyst, formation of sporozoite, light and electron microscopy

Life cycle, Protozoa
Toxoplasma gondii, ultrastructure of sporocyst, initiation of sporozoite formation

Life cycle, Protozoa
Hepatozoon erhardovae, incidence in Clethrionomyys glareolus (blood), distribution of schizonts in lungs; accumulation of gametocytes in Ixodes ricinus (nat. and exper.) or Neotrombicula zachvatkini (nat. and exper.) after biting heavily infected C. glareolus; occasionally transmitted to non-specific host, Apodemus flavicollis (exper.), but only by specific vector, Megabothris turdus (exper.): South-Western Styria and areas around Neusiedlersee

Life cycle, Protozoa
Hepatozoon sylvatici transmitted from naturally to experimentally infected Apodemus sylvaticus and A. flavicollis by Laelaps agilis; L. agilis transmission of H. sylvatici to non-specific host, Clethrionomyys glareolus; gonads of female mites possibly have stimulating effect on protozoan development; schizonts from home mouse and liver of Apodemus flavicollis differ in morphology

Life cycle, Protozoa
Ghiootto, V.; et al., 1979, Exper. Parasitol., v. 48 (3), 447-456
Trypanosoma brucei, morphometric changes and loss of infectivity and of surface coat during transformation of bloodstream forms to procyclic culture forms in vitro

Life cycle, Protozoa
Ginsburger-Vogel, T.; and Desportes, L., 1979, J. Protozool., v. 26 (3), 390-403
Paramarteilia orchestiae gen. sp. n., ultrastructure of sporulation

Life cycle, Protozoa
Frenkelia, schizonts and merozoites, electron microscopy
Life cycle, Protozoa
Cyr, K. J.; and Yang, G. K., 1973, Schweiz. Med. Wochenschr., v. 103 (18), 673-677
Toxoplasma gondii, life cycle discussed with reference to newly detected oocysts found in cat feces, problems in classification outlined.

Life cycle, Protozoa
Haldar, A. P.; and Chakraborty, N., 1979, Ztschr. Parasitenk., v. 59 (2), 121-130
Hirmocystis bengalensis n. sp., H. pitcharis n. sp., H. pseudoductis n. sp., life history

Life cycle, Protozoa
Hazard, E. I.; et al., 1979, J. Parasitol., v. 65 (1), 117-122
Ambylospora, meiotic configurations and synaptonemal complexes, Parathelohania, synaptonemal complexes; implications in life cycles

Life cycle, Protozoa
Trypanosoma (Trypanozoon) brucei, electron microscopy

Life cycle, Protozoa
Isospora lacazei, Carduelis carduelis (exp.), life cycle, ultrastructure of intestinal phases

Life cycle, Protozoa
Eimeria leporis, life cycle in Lepus capensis (exp.), electron microscopy

Life cycle, Protozoa
Heydorn, A. O.; and Epaczynski, V., 1978, Berl. u. Munchen. Tierarztl. Wchnschr., v. 91 (8), 154-155
Sarcocystis suihominis, pigs (exp.), schizony

Life cycle, Protozoa
Sarcocystis suihominis, pigs (exp.), fine structure of schizonts and formation of merozoites within various host organs

Life cycle, Protozoa
Isospora canis, fine structure of endogenous stages in dog small intestine

Life cycle, Protozoa
Didymophys gigantea, electron microscopy of developmental stages of trophozoite, fine structure of deutomerite, nuclear division, Golgi apparatus

Life cycle, Protozoa
Hulbert, W. C.; et al., 1977, Canad. J. Zool., v. 55 (2), 438-447
Myxidium zealandicum, fine structure of sporogony and polar capsule development, trophozoite and cyst envelope structures

Life cycle, Protozoa
Ismailov, S. G., 1974, Parazitologiya, Lenin- grad, v. 8 (3), 261-265
Eimeria erythrourica in Meriones erythrourus (exp.), endogenous stages of life cycle

Life cycle, Protozoa
Eimeria vermiformis, development from sporozoite to mature first-generation schizonts in cell cultures

Life cycle, Protozoa
Trypanosoma murmanensis, infectivity of different morphotypes in fish hosts to the leech vector (Johannsonia sp.)

Life cycle, Protozoa
Khan, R. A., 1978, J. Parasitol., v. 64 (1), 35-44
Haemogregarina uncinata n. sp., life cycle, leech (Johannsonia sp.) as probable vector

Life cycle, Protozoa
Kirmse, P., 1979, J. Fish Dis., v. 1 (4), 337-342
Haemogregarina sachai n. sp., life cycle

Life cycle, Protozoa
Kirmse, P., 1979, Ztschr. Parasitenk., v. 59 (2), 141-150
Haemogregarina simondi, ultrastructure of developing stages

Life cycle, Protozoa
Haemogregarina sachai, redescription of life cycle

Life cycle, Protozoa
Haemogregarina sachai from Scophthalmus maximus, fine structure of intracellular and extracellular stages

Life cycle, Protozoa
Krinsky, W. L.; and Hayes, S. F., 1978, J. Protozool., v. 25 (2), 177-186
Nosema parkeri, fine structure of sporogonic stages from Ornithodoros parkeri (exp.)

Life cycle, Protozoa
Trypanosoma cruzi, cultivation with Triatoma infestans embryo cell line, growth and differentiation

Life cycle, Protozoa
Polychromophilus (sp.), schizony

Life cycle, Protozoa
Langreth, S. G.; et al., 1978, J. Protozool., v. 25 (4), 443-452
Plasmodium falciparum, erythrocytic cycle in vitro, ultrastructure, comparison with in vivo (Aotus trivirgatus) life cycle stages
SUBJECT HEADINGS

**Life cycle, Protozoa**

Eimeria greneri in Numida meleagris (intestine, caeca) (nat. and exper.), life cycle, reproduction rate, pathogenicity (severe depression of body weight gain), immunity to reinfection, treatment with sulphaquinoxaline in drinking water and robenidine in food: Britain

**Life cycle, Protozoa**

Eimeria dispersa, isolation from turkeys in Britain, life cycle and reproduction, cross-protection against American strain, electrophoretic analysis of enzymes, host specificity studies, in vitro growth studies, gross pathology, pathogenicity, immunogenicity

**Life cycle, Protozoa**

Lobes, C., 1979, *J. Protozool.*, v. 26 (2), 200-208
Microsporidia, synaptonemal complexes demonstrated in 6 genera but not in Nosema, implications for life cycles

**Life cycle, Protozoa**

Lobes, C.; and Akbarieh, M., 1977, Ztschr. Parasitenk., v. 54 (2), 125-137
Nosemoides simocephali n. sp., ultrastructural study, vegetative phase, sporogony

**Life cycle, Protozoa**

Babesia bovis, transmission by Boophilus microplus, concluded that protozoan parasite did not persist in infective form in ticks beyond larval stage

**Life cycle, Protozoa**

Sarcocystis and sarcocystosis in domestic animals and man, extensive review (life cycle; host specificity; pathogenicity and pathology; immunity and serology)

**Life cycle, Protozoa**

Sarcocystis suihominis, gamogony in human tissue cultures, electron microscopical study

**Life cycle, Protozoa**

Mehilhorn, H.; and Heydorn, A. O., 1979, *Ztschr. Parasitenk.*, v. 58 (2), 97-113
Sarcocystis suihominis, gamogony in human tissue cultures, electron microscopical study

**Life cycle, Protozoa**

Theileria ovis, gamogony and sporogony in Rhipicephalus evertsi evertsi, electron-microscopic studies

**Life cycle, Protozoa**

Mesfin, G. M.; and Bellamy, J. E. C., 1978, *J. Parasit.*, v. 64 (4), 696-705
Eimeria falciformis var. pragensis in Mus musculus (exper.), prepatent and patent periods, description of oocysts, location in host, merogony, first to fourth-generation schizonts, microgametogony, macrogametogony; development in Rattus norvegicus progressed only as far as mature 1st-generation schizonts; comparison with other murine Eimeria

**Life cycle, Protozoa**

Toxoplasma gondii in tissue culture, life cycle and development recorded by microcinematographic study in phase contrast

**Life cycle, Protozoa**

Euglenoidina of Copepoda, examples of evolution of parasitism and species formation; localization, life cycles

**Life cycle, Protozoa**

Eutreptia parasitica sp. n., development cycle

**Life cycle, Protozoa**

Sarcocystis, sarcocysts derived from cats take between 8 and 14 months to reach infectivity in sheep

**Life cycle, Protozoa**

Eimeria irredesita, E. flavescens, redescriptions, sporulation time, schizogony and gametogony, pathogenicity and oocyst production, immunogenicity, geographic distribution, prevalence

**Life cycle, Protozoa**

Toxoplasma gondii, germfree, gnotobiotic and conventional cats, life cycle studies

**Life cycle, Protozoa**

Toxoplasma gondii, germfree, gnotobiotic and conventional cats, life cycle studies, morphology of intra-intestinal stages

**Life cycle, Protozoa**

Mesastasia mirabilis sp. n., life cycle

**Life cycle, Protozoa**

Sarcocystis spp., domestic animals, review of life cycle and differential characters from Toxoplasma gondii and Hammondia hammondi

**Life cycle, Protozoa**

Pilley, B. M., 1976, *J. Invert. Path.*, v. 28 (2), 177-185
Vairimorpha necatrix [n. comb.] in Spodoptera exempta, pathogenicity (occurrence of bacteriosis and cytoplasmic polyhedrosis virus), life cycle (disporoblastic life cycle at 25°C and both disporoblastic and octosporoblastic life cycle at 20°C), implications of polymorphism in relation to classification of Microsporida
Life cycle, Protozoa
Cryptosporidium sp., calves (free in lumen and attached to epithelium of ileum), life cycle, morphology, pathology, diarrhea, transmission and scanning electron microscopy

Life cycle, Protozoa
Cryptosporidium, bovine, ultrastructure of life cycle stages

Life cycle, Protozoa
Purrini, K., and Ornières, R., 1979, Zool. Anz., v. 202 (5-6), 437-443
Farinocystis tenebroidae n. sp., life cycle, pathogenicity

Life cycle, Protozoa
Trypanosoma rotatorium complex from frogs, experimental infection of hematophagous insects, course of development in Aedes aegypti gut, postulate transmission to frogs via ingestion of mosquitoes: Venezuela

Life cycle, Protozoa
Trypanosoma cruzi, life cycle in haemocoeol of Panstrongylus megistus, development either extracellularly in haemolymphatic fluid or intracellularly in haemocytes

Life cycle, Protozoa
cyst-forming coccidia, life cycle, taxonomy, comparative review

Life cycle, Protozoa
Frenkelia microti, life cycle

Life cycle, Protozoa
gregarines, possibly Nematopsis-Porospora group in Crassostrea virginica, seasonal pathology suggests that parasites overwinter in hibernating oysters, undergo vegetative growth in the spring, and then perish or undergo further development in an unknown host

Life cycle, Protozoa
Glugea hertwigii in Osmerus mordax, prevalence in ovaries of spawning female hosts, transmission to young smelt by direct ingestion of spores or by ingestion of spore-carrying zooplankton, parasite development and xenoma growth

Life cycle, Protozoa
Theileria annulata, development in haemolymph and salivary glands of Hyalomma anatolicum excavatum, light microscopy; hypothetical diagram of cycle in ticks

Life cycle, Protozoa
Scholtyseck, E., 1979, Fine structure of parasitic Protozoa. An atlas of micrographs, drawings and diagrams, 206 pp., illus.

Life cycle, Protozoa
Sarcocystis fusiformis, cats infected with cysts from Balbusus balbus, ultrastructural study of sexual stages; first report describing sexual stages of Sarcocystis in final host

Life cycle, Protozoa
Sarcocystis tenella, kittens (exper.), development in intestines, life cycle, attempted parasite suppression using statyl and panoconin plus

Life cycle, Protozoa
Sherlock, P. L., 1979, Parasitology, v. 78 (2), 207-220
Diplocystis tipulae sp. nov. from Tipula spp., morphology, life cycle, relationship with intestinal gregarines, synchrony between host and parasite developmental rates, pathology, host reactions

Life cycle, Protozoa
Myxobolus exigus, early stages of development in vitro

Life cycle, Protozoa
Myxobolus exigus, Ceratomyxa herouardi, synaptonemal complexes, electron microscopic observations, implications for life cycle and classification of myxosporidians

Life cycle, Protozoa
Plasmodium falciparum, gametocyte and gamete development, ultrastructure of gametocytes from blood of naturally infected Gambians compared with immature forms from blood of chloroquine treated patient, functional morphology, cyto genetics, phylogeny

Life cycle, Protozoa
Plasmodium falciparum, sporogonic development in Anophelen gambi, scanning and transmission electron microscopy, first surface view of micropore of Plasmodium
Life cycle, Protozoa
Sarcocystis sebeki from exper. infected Strix aluco, successful rodent to rodent (Apodemus sylvaticus) transmission by inoculation of precystic schizogonic stages

Life cycle, Protozoa
Saurocytozoon tupinambi, study of initial infection in juvenile Tupinambis teguixin provides evidence that schizogonic cycle in circulating cells may occur, but identity of intralymphocytic asexual stages with this species cannot be established due to presence of concurrent infection by small Plasmodium species, if confirmed data would justify removing Saurocytozoon from Leucocytozoidae: Venezuela

Life cycle, Protozoa

Life cycle, Protozoa
Isospora burrowsi n. sp., life cycle

Life cycle, Protozoa
Gregarina blaberae, life cycle, development

Life cycle, Protozoa
coccidia, pigs (exper.), mixed infection with 4 spp., macro- and microgametocytic stages, mostly not identified to species

Life cycle, Protozoa
Voronin, V. N., 1971, Parazitologiia, Leningrad, v. 5 (2), 186-191
Theohania contejeani in Astacus astacus (skeletal and cardiac muscles, ovaries and eggs) (nat. and exper.), prevalence, pathogenesis, developmental cycle, possibility of transovarian as well as oral transmission: Leningrad obstalt

Life cycle, Protozoa
Pneumocystis carinii, cortisone acetate-treated rats, elaborate ultrastructural studies, intracellular and extracellular stages, new life cycle proposed; direct pathogenicity in host cells indicated

Life cycle, Protozoa
Babesia bigemina, ultrastructure of suppressed sexual stages from gut of Boophilus microplus, comparison with developmental stage of Theileria anaplasta

Life cycle, Protozoa
Williams, G. W., 1942, J. Morphol., v. 70 (3), 545-589
Metaradiophrya lumbrici, detailed description, movement and attachment behavior, cytology of division; description of other Metaradiophrya spp. and comparison with M. lumbrici

Life cycle, Protozoa
Paradiagnosta n. spp., life cycles, flagellate locomotion, attraction to specific copepod host, speculation on evolution to parasitism: Mazurian Lakes, Poland

Life cycle, Protozoa
Parastasia kievensis sp. n., developmental cycle

Life cycle, Protozoa
Yamamoto, T.; and Sanders, J. E., 1979, J. Fish Dis., v. 2 (5), 411-428
Ceratomyxa shasta, stages of development leading to sporogenesis, light and electron microscopy

Life cycle, Protozoa
Zasukhin, D. N.; Kaliakin, V. N.; and Akin-Shina, G. T., 1971, Parazitologiia, Leningrad, v. 5 (4), 302-309
Toxoplasma gondii, new concepts about developmental cycle, review of recent literature

Life cycle, Protozoa
Ziszka, Z., 1977, Ztschr. Parasitenk., v. 54 (3), 217-228
Farinocystis tribolii in Tribolium castaneum, fine structure, developmental stages in sporogony, parasite-host relations (mitochondria of host concentrated around schizonts, consumption of host fat body by parasites, host development stopped)

Life cycle, Trematoda
Paramphistomum togoense n. sp.

Life cycle, Trematoda
Allison, F. K., 1979, N. Zealand J. Zool., v. 6 (1), 13-20
Curtuteria australis n. sp., life cycle

Life cycle, Trematoda
Dicrocoelium lanceolatum, sheep, annual activity cycle of intermediate hosts (Cionella lubrica, Formica migricans and F. cunicularia), seasonal variation in number of parasitized ants, effect of climatic factors (temperature, rainfall), application to forecasting method: Limousin

Life cycle, Trematoda
Babianov, M. G., 1975, Parazitologiia, Leningrad, v. 9 (2), 122-126
Prosotocus confusus, progenesis
Life cycle, Trematoda
Maritrema misenensis, ecological conditions required for life cycle, different intermediate hosts utilized in lagoon vs. marine habitat, method of infestation of second intermediate host, variation in parasitism of second intermediate host in relation to season and age and sex of host: region de Brusc, Provence, France

Life cycle, Trematoda
Holorchis pycnorchis, life cycle, morphology of developmental stages

Life cycle, Trematoda
Metahaematoloechus exoterorchis, life cycle, morphology of developmental stages, discovered that R. campanula submitted to International Commission on Zoological Nomenclature

Life cycle, Trematoda
Metahaematoloechus tuberculatus, morphological description of modified perfusion apparatus designed to collect trematodes from veins of chickens: branches of River Nile, Assiut Governorate, Egypt

Life cycle, Trematoda
Asymphylodora tincae, life cycle, morphology of various stages

Life cycle, Trematoda
Bucephalus polymorphus, Rhipidocotyle illense, life cycles, morphology and biology of developmental stages, discovered that cercaria described by Baer, 1927, as B. polymorphus is in fact larval stage of R. illense, proposal to retain name B. polymorphus and to replace R. illense with R. campanula submitted to International Commission on Zoological Nomenclature

Life cycle, Trematoda
Fasciola hepatica, first report of intermediate host, exper. life cycle in rabbits; positive skin tests in over half of human inhabitants surveyed: Costa Rica

Life cycle, Trematoda
Asymphylodora kubanica, occurrence in Bithynia tentaculata (intermediate host) and Rutilus rutilus (intestine) (definitive host), seasonal variation, age of definitive host; annual cycle of occurrence and maturaion in roach due primarily to host feeding habits and water temperature: Worcester-Birmingham canal 1 km south of Stoke Works, Bromsgrove

Life cycle, Trematoda
Fahmy, M. A. M.; et al., 1976, Acta Parasitol. Polon., v. 24 (1-10), 11-18
Gigantobilharzia sp., probably n. sp., recovered from chickens (exper.) infected with cercariae from Melania tuberculata, morphology, description of modified perfusion apparatus designed to collect trematodes from veins of chickens: branches of River Nile, Assiut Governorate, Egypt

Life cycle, Trematoda
Eupolyzystoma alluaudi, demonstration of embryonic developmental duality resulting in 2 types of larvae, one of which is responsible for internal cycle (multiplication in host by sexual reproduction) and one of which assures host-to-host transmission

Life cycle, Trematoda
Fasciola hepatica, length of development in Galba truncatula (nat. and exper.), seasonal distribution of cercarial release, overwintering: Rhodope mountains; Thracian lowlands

Life cycle, Trematoda
Schistosoma haematobium, in vivo development in hamster, six stages of development distinguished on basis of morphological and histochemical characteristics

Life cycle, Trematoda
Schistosoma bovis, in vivo development in Nile rat (Arvicomus niloticus), six stages of development distinguished

Life cycle, Trematoda
Haplometra cylindracea, life cycle, development, morphology, pathological changes in frog hosts: Poland

Life cycle, Trematoda
Paralepoderma cloacicola, P. brumpti, P. progenericum, morphology of developmental stages compared, validity of species discussed
Life cycle, Trematoda
Plagiorchid trematodes, life cycles, modifications of normal 3-host life cycle (progenesis and elimination of metacercaria), evolutionary significance of these tendencies, possible origin of certain amphibian parasites

Life cycle, Trematoda
Gvozdev, E. V.; and Soboleva, T. N., 1972, Parasitologija, Leningrad, v. 6 (5), 435-438
Skrabjintrema ovis, life cycle, only 1 mol luscan intermediate host necessary

Life cycle, Trematoda
Hendrix, S. S., 1978, J. Parasitol., v. 64 (4), 606-612
Plagioporus hypentelii, life history and seasonal biology, effect of snail sex and age on daughter sporocyst burden, photoperiodicity of cercarial emergence: Monocoy River drainage, Pennsylvania

Life cycle, Trematoda
Ceylonocotyle dicranocoelium, description, complete life history

Life cycle, Trematoda
Giantocotyle bathycotyle, detailed life history, morphology of developmental stages, validity established

Life cycle, Trematoda
Johnson, A. D., 1979, J. Parasitol., v. 65 (1), 154-160
Alaria mustelae, morphology, life history

Life cycle, Trematoda
Maritrema pyrenaica, life cycle, description of developmental stages

Life cycle, Trematoda
Petasiger neocene, description of cercaria and metacercaria, life cycle, localization in hosts

Life cycle, Trematoda
Echinochasmus spinosus, life cycle, description of egg, miracidium, cercaria, and metacercaria

Life cycle, Trematoda
Echinochasmus bursicola, life cycle, description of stages

Life cycle, Trematoda
Echinochasmus contortus, E. beleocephalus, life cycles, descriptions of some stages

Life cycle, Trematoda
Halipegus ovocaudatus, demonstration of life cycle with four obligatory hosts, description of life cycle stages

Life cycle, Trematoda
Khalifa, R., 1976, Acta Parasitol. Polon., v. 24 (1-10), 1-9
Dendritobilharzia pulverulenta, morphology, life cycle, first record and description of cercaria: Poland

Life cycle, Trematoda
Haplorchis pumilio, life cycle, morphology, discussion of parapleurolophocercous cercariae previously described from Egypt

Life cycle, Trematoda
Opechona bacillaris, morphology, life history

Life cycle, Trematoda
Kie, M., 1978, Ophelia, v. 17 (1), 121-133
Stephanostomum caducum, morphology and life history

Life cycle, Trematoda
Kie, M., 1979, Ophelia, v. 18 (1), 113-132
Monascus filiformis, Steringophorus furciger

Life cycle, Trematoda
Kie, M., 1979, Ztschr. Parasitenk., v. 59 (1), 67-78
Deroogenes varicus, redescription, developmental stages, scanning electron microscopy

Life cycle, Trematoda
Plagiorchis laricola, description of egg, miracidium, cercaria, and metacercaria, life cycle

Life cycle, Trematoda
Plagiorchis elegans, development in final hosts, morphological variation, effect of host species, parasite age, and season

Life cycle, Trematoda
Mesorchis pseudoechinatus, life cycle

Life cycle, Trematoda
Plagiorchis multiglandularis, description of adult and metacercaria, life cycle
Life cycle, Trematoda
Stomylotrema vicarium, life cycle, excretory system described

Life cycle, Trematoda
Palmieri, J. R., 1976, Great Basin Nat., v. 36 (3), 334-344
Posthodiplostomum minimum, development in variety of vertebrate hosts

Life cycle, Trematoda
Palmieri, J. R.; Krishnasam, M.; and Sullivan, J. T., 1979, J. Helminth., v. 53 (1), 51-63
Apatemon jamesi sp. n., Cyathocotyle malayi sp. n., life cycles

Life cycle, Trematoda
Panin, V. Ta., 1974, Parazitologiia, Leningrad, v. 8 (2), 93-97
Dicrocoelidae, cenogenetic adaptations and their role in evolution

Life cycle, Trematoda
Neoleucoclistodinium holostomum, life cycle, morphology, synonymy: Poland

Life cycle, Trematoda
Leucochloridium vogtianum

Life cycle, Trematoda
Renicola lari, life cycle, description of developmental stages

Life cycle, Trematoda
Fasciola hepatica in Lymnaea tomentosa (exper.), passage of cysts in feces is not a natural form of emission but due to snail ingestion of cysts from contaminated environment, viability of fecal cysts, infectivity to rats

Life cycle, Trematoda
Echinostoma caproni, life cycle, larval morphology

Life cycle, Trematoda
Rohde, K., 1977, Ztschr. Parasitenk., v. 52 (1), 59-51
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Life cycle, Trematoda
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Proctoeces ichiharai, general morphology of developmental stages, growth and relative growth of internal organs

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Echinostoma chloropodis, description of cercaria and metacercaria from snails and marita from duckling (exper.): Ukrainsk SSR (Krym, lake Donuclav)

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Paragonimus kellicotti, life cycle in cats (exper.): migration, development, growth, maturation, distribution in lungs, egg production

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Lintonium vibex, life cycle, taxonomic relations, literature review, results support the postulate that Cercaria laevicardium is larval stage of L. vibex

Life cycle, Trematoda
Odhneria odhneri, morphology, life history, taxonomic relations

Life cycle, Trematoda
Cardiocephalus longicollis, partial life cycle, metacercaria described, cercaria could be Cercaria pseudonassae

Life cycle, Trematoda
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Psioletra spiculigerum, life cycle

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Life cycle, Trematoda
Tracheophilus cymbius, epidemiology, life history

Life cycle, Trematoda
Philophthalmus rhonica n. sp., life cycle

Life cycle, Trematoda
Fasciola gigantica, existence of sporocyst stage

Life cycle, Trematoda
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Life history. See Life cycle.

Light. [See also Radiation]

Light
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Ixodes ricinus, unfed nymphs, effect of changes in photoperiodic regime on development after engorgement

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Dermacentor silvarum, capability of adult females to engorge depends on temperature and photoperiod at prefeeding stage, thus certain conditions may give rise to a form of diapause as a seasonal adaptation

Light
Belozero, V. N.; and Ghalal Murad, M., 1977, Entom. Obozr., v. 56 (3), 485-504
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Light
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Haemaphysalis longicornis, effect of photoperiod and temperature on behavior and development of larvae and nymphs

Light
Moniliformis dubius, larval morphogenesis in Periplaneta americana, effect of temperature, season, photoperiod, and elevated temperature stress, morphological anomalies

Light
Neoascaris vitulorum eggs, action of boiling water, direct sunlight, and lysol on viability, tested by infectivity to albino rats

Light
Ctenocephalides felis and Xenopsylla cheopis, response to electromagnetic radiation of 300-700 nm (intensity, light versus dark, light comparison, and color vision tests), C. felis is photopositive, X. cheopis is photonegative

Light
Cercaria ogonis n. sp., positive geotaxis and phototaxis, rapid swimming velocity, peculiar organ possibly a statocyst

Light
Neoplectrona carpocapsae infective-stage juveniles, ultraviolet radiation and sunlight as factors limiting effectiveness as biological control agent, reduced pathogenicity and inhibition of nematode reproduction and development in Galleria mellonella larvae (exper.)

Light
Fasciola hepatica, separate and combined effect of light and temperature on hatching of eggs

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Plagioporus hypentelli, life history and seasonal biology, effect of snail sex and age on daughter sporocyst burden, photoperiodicity of cercarial emergence: Monocacy River drainage, Pennsylvania

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Fasciola spp., cattle and water buffaloes, morphology, egg hatching time, phototaxis, and infectivity of miracidia to Limnea olula (exper.), intra-species variation: Taipei abattoir, Taiwan

Light
Vairimorpha necatrix (potential biological control agent), survival (infectivity) of spores exposed to sunlight, ultraviolet radiation, and high temperature, laboratory and field tests
Light
Polystoma integerrimum from Rana temporaria, hatching rhythm of oncomiracidia under different experimental conditions of light and darkness and temperature

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Schistosoma mansoni miracidia are positively phototactic, sensitive to small changes in light intensities, and indifferent to gravity; S. haematobium miracidia are negatively phototactic, unable to distinguish low light intensities from darkness, and positively geotactic; both species could successfully find and infect snails to depth of 2 meters of water

Light
Ambylomma hebraeum, Himalayan giant rabbits (exper.), factors regulating drop-off rhythms of engorged larvae and nymphs, light is dominant synchronizer affecting endogenous rhythms

Light
Cooperia oncophora, calves (exper.), larvae conditioned at certain temperatures prior to infection had inhibited development, photoperiod or presence of light prior to infection did not affect development

Light
Wohlfahrtia magnifica, pupal diapause, autumn temperatures and photoperiod as factors, practical importance of stronger autumn control measures to prevent population buildup

Light
Schistosoma mansoni cercariae, circadian rhythmic emergence from Biomphalaria glabrata, influences of light and temperature

Light
Boophilus microplus, oviposition efficiency, no significant differences attributed to light, handling during oviposition, or manual detachment of engorged female

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Echinococcus granulosus, mechanism of cholesterol absorption by secondary hydatid cysts

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Rhabditis maupasi, axenic cultivation in chemically defined medium, nutritional (amino acid, heme, and sterol) requirements

Lipids
Schistosoma mansoni miracidia, effect of sugars, fatty acids, amino acids, and snail excretion products on activity, some effects concentration dependent and pH dependent; possible role for chemo-klinokinetic behavior patterns in miracidial host location

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Nematodirus dubius, Nippostrongylus brasiliensis, nutritional requirements for development of free-living stages in vitro: effects of sterols, rat hematin, and coproporphyrin; analysis of egg lipids

Lipids
Entamoeba histolytica, restoration of virulence of two axenic strains by means of incorporation of cholesterol into culture medium

Lipids
Ascaris suum, rats (exper.), effect of isoenergetic fat diets on resistance, immunological and endocrine parameters

Lipids
Ascaris, humans, pigs (exper.), diagnosis, detection of volatile fatty acids in urine, may also be applicable to other helminth diseases

Lipids
Anaplasma marginale, splenectomized and intact calves (exper.), changes in serum total lipid, lipoprotein, and serum proteins during infection and recovery

Lipids
Schistosoma mansoni, patients with hepato-intestinal, compensated hepatosplenic, and decompensated hepatosplenic forms, plasma free cholesterol and cholesterol ester concentrations

Lipids
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[Schistosoma] mansoni, human, hepatosplenic, effect of splenectomy on plasma phosphatidylcholine-cholesterol acyltransferase activity and on blood lipids
Lipids, Host
human hepatic schistosomiasis, study of elimination rate of lipid and of changes in level of plasma free fatty acids in schistosomal patients and comparison with rates in normal controls

Lipids, Host
Chagas disease, aspects of lipid metabolism, comparison study of persons with chronic infections, chronic infections with cardiopathy, and normal controls, results imply that persons with chronic Chagas and cardiopathy may have lowered triglyceride synthesis

Lipids, Host
Schistosoma mansoni, mice, humans, alterations of plasma and erythrocyte lipids associated with hepatosplenic schistosomiasis, differences between the two host species, possible applications

Lipids, Host
Schistosoma mansoni, abnormalities of serum lipids indicative of subtle hepatic dysfunction as a feature of human infection

Lipids, Host
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Romanomermis culicivorax, Neomesomermis flumenalis, lipids in storage organs of nematodes and in hemolymph of uninfected Plasmodium mixtum/fuscum, Simulium venustum, and infected and uninfected Aedes aegypti

Lipids, Host
dirofilarial worms, dogs with varying degrees of clinical severity, serum free cholesterol concentration, serum lecithin cholesterol acyltransferase activity, relationship to hepatic injury

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Helminth-infected Rana tigerina, macromolecular changes in liver

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S[chistosoma] mansoni, effect of niridazole on lipid pattern of worms and serum and liver of infected and non-infected mice

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Lipids, Host
Ascaridia galli-immunized chickens, changes in cholesterol levels in various tissues, probable role of cholesterol, interdependent-ly with vitamin A, in protecting host organism

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Lipids, Host
Plasmodium vivax in 35-year-old non-immune patient being treated with chloroquine, changes in serum lipoproteins

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Eimeria tenella, E. mitis, chickens (exper.), changes in lecithin content of blood serum at different stages of infection, extent of biochemical changes depends on pathogenicity of different species and host age

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Schistosoma mansoni-infected mice, measurement of concentrations of cholesterol and cholesterol esters from infected host livers and comparison with normal controls

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tick-infested N'dama cattle, plasma phospholipid changes

Lipids, Host
Schistosoma mansoni, mice, plasma and erythrocyte lipid concentrations, plasma lecithin:cholesterol acyltransferase activity

Lipids, Host
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effects of bovine pituitary growth hormone vs. Spirometra mansonioides plerocercoid growth factor on body growth and lipid composition in diabetic-hypophysectomized rats
SUBJECT HEADINGS

Lipids, Host
S[chistosoma] mansoni, humans, fat absorption, increased presence of eggs and granulomatous lesions in deep layers of small intestine, suggest possible selective malabsorption of certain nutrients

Lipids, Host
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filarial patients with chyluria used to study origin of cholesterol transported in intestinal lymph

Lipids, Host
trypanocidal factor in normal human serum is associated with high density lipoprotein (HDL), comparison of susceptibility of Trypanosoma brucei and T. rhodesiense to lysis by human serum and human HDL

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Mermis nigrescens-infected Schistocerca gregaria, trehalose, glucose, free amino acid, and lipid fatty acid composition of hemolymph

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Plasmodium berghei, mice, effect of starvation, infection, and interactions between the two on lipid peroxide and protein levels of liver and spleen

Lipids, Host
Trypanosoma-infected fishes, lowered serum cholesterol levels, possible causes

Lipids, Host
Thompson, A. C.; and Sikorowski, P. P., 1979, Comp. Biochem. and Physiol., v. 63A (3), 325-328
Nosema heliothisis, effects on fatty and amino acids in infected Heliothis zea larvae and pupae

Lipids, Host
Eimeria necatrix, induction of gel-phase lipid in plasma membrane of chick intestinal cells after infection, membrane lipid of developing parasites remains exclusively liquid crystalline at physiological temperature

Lipids, Parasite
physiology of fish parasites, review: chemical composition; physical environmental parameters (salinity, temperature, oxygen tension); nutrition (role of gut, role of tegument); metabolism (carbohydrates, nitrogenous compounds, lipids); growth physiology; host-parasite relations (pathology, host specificity and immunity)

Lipids, Parasite
Leishmania spp. promastigotes, analysis of lipids

Lipids, Parasite
micromorphological structure and function of hypodermis of various groups of nematodes, functions include: support of somatic musculature and nerves, production of cuticle, storage place for nutrients (fats and glycogen), and barrier against harmful substances

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Borozdina, N. I., 1971, Parazitologiia, Leningrad, v. 5 (5), 408-412
Oedemagena tarandi, 2nd and 3rd instar larvae, content of water, dry matter, fat, glycogen, total nitrogen, and protein, dynamics of accumulation and consumption of these energy reserves

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Borozdina, N. I., 1974, Parazitologiia, Leningrad, v. 8 (5), 438-446
Oedemagena tarandi, 2nd and 3rd stage larvae, age-related changes in content of moisture, dry matter, fat, glycogen, total nitrogen, and protein

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Plasmodium berghei, isolation of lytic factor which induces hemolysis of erythrocytes of mice and hamsters, lipid composition, possible role in pathogenesis of malaria

Lipids, Parasite
Schistosoma mansoni, haemagglutinating activity of membrane-associated 'agglutinin' is mainly due to acidic phospholipids, possible molecular role of these structural membrane components in evasion of host immunological recognition and/or response

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Dipylidium caninum, phospholipid composition

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Triaenophorus nodulosus, localization and dynamics of glycogen and lipids in all developmental stages

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Trypanosoma cruzi, β-lapachone-treated epimastigotes, lipid peroxidation and generation of free radicals, superoxide anion, and hydrogen peroxide

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Echinostoma revolutum, neutral lipids, qualitative analysis in adult flukes
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Echinostoma revolutum adults, occurrence and release of phospholipids, thin-layer chromatographic analysis

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Plateyhelminths (47 species), glycogen and fat distribution in yolk glands and complex eggs, accumulation of reserve substances in yolk glands appears to vary with type of egg development (in external environment vs. in uterus of parent), digeneric trematodes accumulate only glycogen and not fat

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Romanomermis culicivorax, Neomermisflumenalis, lipids in storage organs of nematodes and in hemolymph of uninfected Prosimulium mixtum. Simulium venustum, and infected and uninfected Aedes aegypti

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Biochemistry of parasitic protozoa, textbook: methodology; catabolism and generation of energy; nucleic acid metabolism; protein metabolism; lipid metabolism; biochemical mechanism of drug action; isolation of parasitic protozoa from infected animals; culture of parasitic protozoa

Lipids, Parasite
LOBATOSTOMA RINGENS, CHEMICAL COMPOSITION AND HISTOCHEMISTRY

Lipids, Parasite
Fasciola hepatica, fatty acid composition

Lipids, Parasite
Trypanosoma cruzi, extraction and assay of lipopolysaccharide from parasite, possible endotoxic properties

Lipids, Parasite
S[chistosoma] mansonii, effect of niridazole on lipid pattern of worms and serum and liver of infected and non-infected mice

Lipids, Parasite
Aploparaksis polyistictae cisticercoid, lipid distribution at various stages of development

Lipids, Parasite
Ascaridia galli, volatile fatty acids, composition, effects on Eimeria tenella infection in chickens

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de Lederkremer, R. M.; et al., 1978, Biochem. and Biophys. Research Commun., v. 85 (4), 1268-1274
Trypanosoma cruzi, ceramide and inositol content of the lipophosphoglycan isolated from whole cells of epimastigote forms

Lipids, Parasite
Ascaris suum, cholesterol esterase, distribution in tissues and body fluid, possible role

Lipids, Parasite
Ascaris suum, cholesterol levels in various tissues

Lipids, Parasite
Moniezia expansa antigens, isolation and chemical analysis

Lipids, Parasite
Felicacinctor andersoni, absence of sterol biosynthesis suggests that ticks depend on their hosts for sterol requirements

Lipids, Parasite
Mauro, N. A.; and Weinstein, P. O., 1979, Internat. J. Parasitol., v. 24 (5), 421-427
Nematodiroidea dubius, Hippogrammylbra-siliensis, nutritional requirements for development of free-living stages in vitro: effects of sterols, rat hematin, and coproporphyrin; analysis of egg lipids

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Pallisetis ophiophagi, histochemical observations on localization of glycogen, proteins, acid mucopolysaccharides and lipids

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Ascaris lumbricoides, volatile fatty acid content of tissues, significant differences between males and females, statistical study

Lipids, Parasite
Trypanosoma lewisi, complement activating factor(s), physicochemical characteristics of active components (carbohydrate-containing substance and lipid, possibly glyco lipid)

Lipids, Parasite
Ancylostoma tubaeforme larvae, lipid loss resulting directly from locomotory activity

Lipids, Parasite
Ancylostoma tubaeforme, free-living phase, roles of temperature, pH, salinity, and lipid content in development
Lipids, Parasite
Nwosu, A. B. C., 1979, J. Helminth., v. 53 (3), 223-228
Ascarididae tubaeformes, 3rd stage infective larvae, relationship between neutral lipid depletion and longevity/survival, effect of various environmental stresses (temperature, pH, anaerobiosis)

Lipids, Parasite
Ascaridia galli, Cotylophorus cotylophorum, Raillietina cesticillus, histochemistry of excretory systems, localization of lipids, carbohydrates, and hydrolytic enzymes; substance transportation and ionic regulation discussed

Lipids, Parasite
Ascaris lumbricoides has necessary mechanism for biosynthesis and degradation of phospholipids and triacylglycerols, piperazine decreases level of triacylglycerols of this parasite by stimulating activity of lipase and partially inhibiting activity of phosphatidate phosphatase

Lipids, Parasite
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Lipids, Parasite
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10 digenetic trematodes, histochemical localization of glycogen, lipids, proteins, and phosphatases in parenchyma and other tissues

Lipids, Parasite
Mycetostoma gopalai, M. striatum, cytochemistry of female gametes, phospholipid nature of conspicuous yolk bodies in oocyte cytoplasm

Lipids, Parasite
Macracanthorhynchus hirudinaceus, fatty acids present in various body components of females

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Sood, M. L.; and Sahajpal, K., 1979, Ztschr. Parasitenk., v. 56 (3), 267-273
Haemopneustus contortus, morphology, histology, and biochemistry of gut, relationships to nutrition and digestion

Lipids, Parasite
Glossimetra orientalis, histochemical localization of non-specific esterase, implications for lipid metabolism

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Eimeria tenella, oocyst wall, lipid composition, carbohydrate composition, protein content, amino acid analysis, proposed organization of cell wall, results suggest explanation for physical and mechanical resistance of oocyst wall as well as possible mechanisms for excystation of sporulated oocysts

Lipids, Parasite
Trypanosoma cruzi, fatty acid and amino acid composition of cruzin and trypanosoma (anti-tumor preparations which are metabolic products of this protozoan)

Lipids, Parasite
Crithidia oncopelti, comparative study of ultrastructure, cultures differing in sensitivity to olivomycin; lipid drops in cytoplasm of resistant protozoa; nature of action of olivomycin on sensitive parasites

Lipids, Parasite
Eimeria necatrix, induction of gel-phase lipid in plasma membrane of chick intestinal cells after infection, membrane lipid of developing parasites remains exclusively liquid crystalline at physiological temperature

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Trypanosoma congolense, concomitant generation of phospholipase A and hemolytic fatty acids by autolysing suspensions, autoysis of T. lewisi did not generate hemolytic activity unless exogenous phospholipase A was added
Lipids, Parasite
Trypanosoma congolesense-derived hemolytic fatty acids, characterization, probably not important mechanism of anemia in bovine trypanosomiasis

Lipids, Parasite
Trypanosoma brucei, characterization of second class of hemolysins as free fatty acids

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Dirofilaria immitis adults, lipid synthesis

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Trypanosoma lewisi, effect of sodium citrate on multiplication of parasites and on composition and biosynthesis of lipids, conditions of active aeration

Lipids, Parasite
Trypanosoma brucei, plasma membrane, isolation and partial characterization

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8 helminth species from freshwater fish, lipid content, variation with respect to parasite maturity, host species and habitat, and season

Liposome-encapsulated drugs. See Technique, Treatment.

Litter
Bifuran, embazin, effect of coccidiostats, antibiotics, and litters (built up vs. fresh) on broiler chick performance

Litter
Long, P. L.; and Rowell, J. G., 1975, Brit. Poultry Sci., v. 16 (6), 585-592
Eimeria spp., method of sampling surface litter of commercial broiler houses for laboratory estimation of numbers of coccidial oocysts

Litter
Ascarid eggs, coccidial oocysts in poultry feces in litter being composted in heaps for biothermic treatment, not surviving after three months

Liver
Fasciola gigantica, epidemiological survey, seasonal appearance of cercariae in aquatic rice field, longevity of metacercariae on rice straw after harvesting, establishment of frequency and timing of anthelmintic application (rice straw used as roughage for stabled cattle, cattle manure used as fertilizer in rice fields): Japan

Liver
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Coccidiosis, lambs, excretion and development of oocytes, humidity of bedding, and growth of hosts

Liver
Abdel Samad, M. M.; et al., 1977, Tropenmed. u. Parasitol., v. 28 (4), 554-559
Schistosoma mansoni, mice, liver monoamine oxidase activity during course of infection and after chemotherapy, may be useful index for progression or regression of liver fibrosis

Liver
Amoebiasis, human hepatic infections, pathology and pathogenesis based on autopsies, mechanisms of evolution and extension of infections, vascular complications, immunological aberrations

Liver
S(chistosoma) mansoni, humans, chronic active hepatitis is a factor provoking hepatic decompensation in hepatosplenic schistosomiasis

Liver
Barriga, O. O.; and Arnoni, J. V., 1979, Exp. Parasitol., v. 48 (3), 407-414
Eimeria stiedaei in Oryctolagus cuniculus, pathological effects produced by graded infections: body weight, oocyst output, serum glutamic pyruvic and serum oxalacetic transaminases, bilirubinemia, lipemia, glycemia, proteinemia, mortality, carcass and liver weights

Liver
Liver schistosomiasis, human, association with primary biliary cirrhosis, occurrence of antimitochondrial antibodies, case report

Liver
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Human hepatobiliary echinococcosis, differential diagnosis using 99mTc-diethyl-IDA in hepatobiliary scintigraphy

Liver
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Parasarcis equorum, pony foals (exper.), macroscopic and microscopic lesions associated with parasite migration through the liver
Liver
Toxoplasma gondii, human, organisms demonstrated in liver parenchyma, case report

Liver
Human hepatic amoebiosis, size, localization and course of hepatic abscesses evaluated by scintigraphy and compared with clinical symptoms, use in diagnosis

Liver
Schistosoma mansoni-infected mice, activities of some hepatic drug-metabolizing enzymes can be increased by treatment with inducers

Liver
Schistosoma mansoni, mice, recovery of hepatic drug-metabolizing capacity following curative dose of 4-isothiocyanato-4'-nitro-diphenylamine

Liver
Amoebic and pyogenic hepatic abscesses, human, extensive clinical review

Liver
Eimerid coccidia, evidence of extraintestinal development in pigs and chamois (liver)

Liver
Strongyloides ransomi-infected piglets, protein synthesis changes in liver, glutathione status of liver, electrolyte concentrations in plasma, erythrocytes, and in different organs, plasma enzyme activities

Liver
Schistosoma mansoni, mice, study of Symmers' fibrosis

Liver
Dunn, M. A.; et al., 1978, Gastroenterology, v. 75 (6), 1010-1015.
Schistosoma mansoni, conversion of arginine (but not glutamic acid) to proline in normal and fibrotic mouse liver slices and in living mice with schistosomiasis, arginine-derived proline was utilized for liver collagen synthesis, possible pathophysiological significance

Liver
Schistosoma mansoni, human, collagen synthesis rates in fibrotic liver specimens, liver free-proline content and utilization of proline precursors

Liver
Schistosoma mansoni, mice, 47-fold increase in activity of liver procollagen prolyl hydroxylase, effect of inhibitor, possibility that this enzyme may be rate-controlling in collagen deposition and that its inhibition may be therapeutically useful in liver fibrosis

Liver
Schistosoma mansoni, mice, rats, hamsters, comparative histopathology of hepatic and pulmonary granulomata experimentally induced with eggs

Liver
Schistosoma mansoni, mice in granulomatous stage of infection, increased hepatotoxicity of bacterial lipopolysaccharide

Liver
Thesis of Weitberg, A. B.; et al., 1979, N. England J. Med., v. 300 (19), 1093-1096, concerning toxoplasmosis as cause of granulomatous hepatitis "is in serious doubt"

Liver
Guenther, R.; et al., 1975, ROEFO, v. 122 (3), 242-244.
Echinococcus multilocularis, man, case report, alveolar hydatid disease with extensive biliary obstruction and large cavitation in the liver due to necrosis, clinical, epidemiologic and radiologic diagnostic findings

Liver
Human hepatosplenic schistosomiasis mansoni, relationship between nuclear volumes and RNA contents of hepatocyte nuclei, comparison with normal liver and cirrhotic liver

Liver
[Entamoeba] histolytica, latex agglutination test in persons with chronic obscure liver enlargement tentatively diagnosed as chronic non-suppurative amoebic hepatitis showed positive results in only 18%, existence of this diagnostic entity questioned: Pakistan

Liver
Dirofilariasis, dogs with varying degrees of clinical severity, serum free cholesterol concentration, serum lecithin cholesterol acyltransferase activity, relationship to hepatic injury

SUBJECT HEADINGS
Liver
Liver
Iwamura, K., 1977, Therapiewoche, v. 27 (38), 6618-6638
helminth infections of liver, humans, diagnosis, pathology, extensive clinical review
Liver
Jha, S. N.; et al., 1977, Kerala J. Vet. Sc., v. 8 (1), 119-125
Fasciola gigantica, G[gigantocotyle] explanatum, and Echinococcus granulosus in bovines, incidence, gross and microscopic pathology: Bihar, India
Liver
Jokya, A.; et al., 1978, Experientia, v. 34 (4), 547-549
injection of polyvinylchloride particles in caecal vein of mice induces foreign-body portal granuloma reaction in liver, possible use as model for schistosome egg-induced liver pathology; plastic casts of portal systems of normal livers, Schistosoma mansoni-infected livers and PVC-implanted livers compared
Liver
Jones, L. G.; and Bogitsh, B. J., 1979, Ztschr. Parasitenk., v. 60 (2), 185-192
Schistosoma mansoni-infected mice, changes in hepatocytes adjacent to hepatic granulomas, light and electron microscopy
Liver
Schistosoma mansoni, S. haematobium, human, hepatic lesions with emphasis on Symmers' fibrosis, 400 autopsies: Egypt
Liver
Kameswari, M.; Ramulu, G. R.; and Rao, L. N., 1979, Indian J. Exper. Biol., v. 17 (9), 976-979
helminth-infected Rana tigerina, macromolecular changes in liver
Liver
Fasciola sp., goats (exper.), pathological changes in liver, tissue reaction to immature and adult flukes
Liver
Echinococcus granulosus, effects on rats (plasmocyte reaction, antibody in serum, liver glycogen content, serum transaminase)
Liver
Markiewicz, K.; Kuleta, Z.; and Romaniuk, K., 1975, Acta Parasitol. Polon., v. 23 (1-11), 177-182
Fasciola hepatica, cows, laboratory rats, serum ornithine carbamoyltransferase activity as indicator of extent of liver injury, anatopanmopathological and histopathological examinations
Liver
Markiewicz, K.; Kuleta, Z.; and Romaniuk, K., 1977, Therapiewoche, v. 27 (38), 6618-6638
helminth infections of liver, humans, diagnosis, pathology, extensive clinical review
Liver
Fasciola hepatica, human, case report of hepatic distomiasis with eggs found also in the bile and biliary tract, emetine chlorhydrate therapy resulted in permanent cure; diagnostic considerations, emphasis on frequent association between parasitism and gallstones: Villa de Reyes, San Luis Potosi, Mexico
Liver
human amoebiasis, diagnostic review of complications resulting from hepatic abscess (secondary bacterial infections, rupture of abscess into thoracic or abdominal cavity, infection spread to skin, formation of cerebral abscess)
Liver
males of 3 ethnic groups and 3 age groups inhabiting same locality, haematological status (including anemia), spleen and liver enlargement, immunoglobulin status, malaria parasite rates, other parasite infections, possible associations between these and other factors (including nutrition, sickle cell trait, altered immune response to malaria): Northern Nigeria
Liver
Plasmodium yoelli- or P.berghei-vaccinated mice, cell-mediated immunity in liver
Liver
Fasciola hepatitis-infected rabbits, enzymehistochemical studies of pathological process in liver
Liver
Pollacco, S.; et al., 1978, Internat. J. Parasitol., v. 8 (6), 457-462
Mesocestoides corti, collagenous encapsulation of tetrathyridia in mouse liver, probably restricts parasite's multiplication, is a T-cell dependent process
Liver
Premvati, G., 1979, J. Trop. Med. and Hyg., v. 82 (5), 105-109
Leishmania donovani-infected mice, correlation of hyperplasia, splenomegaly and hepatomegaly with parasite population, possible application to early diagnosis of human visceral leishmaniasis
Liver
Schistosoma mansoni, human hepato-intestinal and hepato-splenic forms, comparative study of liver lysosomes, no significant differences between forms of infection or between normal and infected livers
Liver
Trichinella spiralis-infected germfree vs. conventional mice, some metabolites and enzymes of carbohydrate metabolism in liver and small intestine

Liver
Entamoeba histolytica, possible role of hepatic trauma in the genesis of hepatic abscess, clinical case report on man who developed acute abscess 2 weeks after receiving severe blow over hepatic region of thorax: Sri Lanka

Liver
Schistosoma mansoni, chimpanzee, spontaneous infection, histopathology of liver, hepatitis

Liver
hepatic schistosomiasis, survey of hospitalized patients for correlation between hepatic pathology and hypertension showed significantly higher blood pressures in patients without hepatic disease

Liver
Saltzman, D. A.; Smithline, N.; and Davis, J. R., 1978, Am. J. Digest. Dis., n.s., v. 23 (6), 561-567
multiple amoebic abscesses with secondary fulminant hepatic failure, man, fatal illness, diagnosis at post-mortem: area of Arizona-Mexican border

Liver
Ascaris lumbricoides, child, fatal hepatic abscess, clinical case report: Escobar, provincia de Buenos Aires

Liver
congenital toxoplasmosis in twin infants with secondary neonatal hepatic calcification, clinical case reports

Liver
Sharma, O. P.; et al., 1978, Indian J. Exper. Biol., v. 16 (6), 665-667
Plasmidium berghei, mice, xanthine oxidase activity in liver

Liver
Singh, B. P.; and Ahluwalia, S. S., 1976, Haryana Agric. Univ. J. Research, v. 6 (3-4), 244-245
Orientalbharzria dattai in white mice and goats (both exper.), histopathological changes in the liver

Liver
Schistosoma mansoni, S. japonicum, absence of tyrosine aminotransferase (TAT) in adult flukes, effect of 10 week infections on TAT activity in livers of female mice

Liver
Trichinella spiralis, mice, biochemical pathology: changes in liver and muscle glycogen and some blood chemical parameters

Liver
Surkov, A. M., 1972, Parazitologiia, Leningrad, v. 6 (2), 171-175
Eimeria tenella, E. mitis, chickens (exper.), changes in total, residual, and protein nitrogen content in liver, depends on stage of development of parasite, host age, and species of Coccidia

Liver
echinococcosis, human hepatic, complicated by allergic hepatitis, case reports, resolution of symptoms after excision of cysts

Liver
Fasciola gigantica, Fulani Zebu cattle, hepatic changes in natural chronic infections, gross lesions, histopathology: Nauka abattoir, Nigeria

Liver
Toxoplasma gondii, human acquired, case report, acute granulomatous hepatitis (trophozoites present in liver biopsy) and associated lymphadenopathy, patient had been employed at abattoir: El Salvador, immigrating to United States

Liver

Liver
Wensvoort, P.; Over, H. J.; and van Strien, M. J., 1979, Vet. Quart., v. 1 (2), 75-81
Fasciola hepatica, cattle (exper.), character, extent, and localization of perilobular fibrosis in liver

Liver
Schistosoma mansoni, egg granulomas (obtained from livers of infected mice) secrete fibroblast stimulating factor in vitro, this suggests that hepatic granulomas may play role in development of hepatic fibrosis in schistosomiasis

Localization
Ader, P., 1979, Calif. Vet., v. 33 (11), 23-25, 32
Dirofilariasis immitis, cat (brain), clinical signs, histopathology
Localization

Aikawa, M.; and Kilejian, A., 1979, Lysosomes Applied Biol. and Therap., v. 6, 31-48 parasitic protozoa, invasion procedures and intracellular localization, review: entry into host cell; resistance to intracellular host digestive enzymes; alteration of host cells and utilization of host cell resources

Localization


Localization

Amin, O. M., 1978, J. Fish Dis., v. 1 (2), 193-197 Echinorhynchus salmonis in Oncorhynchus tshawytscha (intestine), maturation and localization in spawning vs. non-spawning hosts: Lake Michigan

Localization


Localization

Anwar, M.; Rak, H.; and Gyorkos, T. W., 1979, Vet. Parasitol., v. 8 (6), 433-436 Gongylonema pulchrum in cattle, incidence, worm burden, marked overdispersed distribution, absence of seasonality, predilection for distal portion of esophagus, no gross pathological lesions: central Tehran abattoir, Iran

Localization


Localization

Atyeo, W. T.; and Windingstad, R. M., 1979, J. Parasitol., v. 65 (4), 650-658 4 new species of feather mites from Grus canadensis tabida, site preferences on 6th and 7th primaries, resource partitioning

Localization

Baird, C. R., 1979, J. Parasitol., v. 65 (4), 639-644 Cuterebra tenebrosa, incidence in Neotoma cinerea from April to November of 1970 and 1971, experimental infections attempted in captive rodents and rabbits, dosage level and effect on hosts, larval migration, site of larval development, acquired immunity, egg viability

Localization

Banks, K. L., 1978, J. Protozool., v. 25 (2), 241-245 Trypanosoma congolense, rats, rabbits, localization of parasite in microvasculature is established by attachment of the organism to the vessel wall

Localization


Localization

Beveridge, I., 1979, J. Helminth., v. 53 (3), 229-244 Hypodontus macropl, synonymy, description, host and geographic distribution, distribution within host, method of attachment, gross and histopathological changes, description of free-living larval stages

Localization

Beverley-Burton, M.; and Pippy, J. H. C., 1978, Environment. Biol. Fish., v. 3 (2), 211-222 Anisakis simplex in Salmo salar, sites of infection, prevalence, variation in mean numbers of larvae per fish in relation to host's sex, age, geographic locality, and year and season of capture; mean numbers as biological indicator of host stock composition: 14 sampling stations, North Atlantic

Localization

Bhopale, M. K.; and Johri, G. N., 1978, J. Helminth., v. 52 (2), 109-113 Ancylostoma caninum, distribution of larvae in central nervous system of mice infected with single or repeated doses

Localization

Bhopale, M. K.; and Johri, G. N., 1978, J. Helminth., v. 52 (3), 193-198 Ancylostoma caninum, mice, different groups infected with various single or repeated doses of larvae, larval recoveries from various organs and muscle regions of animals belonging to immunized and unimmunized groups

Localization

Borgsteede, F. H. M.; and Hendriks, J., 1979, Parasitology, v. 78 (3), 331-342 Cooperia oncophora, calves (exper.), single infections with 2 graded doses of larvae, weight gains, egg output, haematology, worm counts and host reaction against worm burden, worm measurements, distribution of worms in small intestine

Localization

Bortolotti, G.; and Diaz, G., 1978, Internat. J. Parasitoll., v. 8 (6), 433-436 Echinococcus granulosus, stereological investigation of increase in surface area due to microtriches of hydatid cysts in different organs (lung vs. liver) and in different hosts (man, pigs, sheep): Sardinia
Localization
Ascaris lumbricoides, 40-year-old woman, unusual localization in calcified nodules in subcutaneous tissue, case report: San Jose

Localization
van den Broek, W. L. F., 1979, J. Fish Biol., v. 14 (4), 571-380
copepods of Merlangius merlangus and Platichthys flesus, seasonal changes in levels of infestation related to annual migrations of young fish into estuary, localization, age of host: Medway Estuary, Kent

Localization
Ototius megnini, dairy cattle, larvae and nymphae found feeding under host tail: Cochabamba, Bolivia

Localization
Schistosoma mansoni, viable eggs discovered in sperm of man with intestinal schistosomiasis, epidemiologic implications: Brazil

Localization
Cawthorn, R. J.; and Anderson, R. C., 1977, Canad. J. Zool., v. 55 (2), 368-375
Physaloptera maxillaris in Acheta pennsylvaniaicus and Blatella germanica, site of development, survival of larvae, and host cellular reactions

Localization
filarial infection of breast, 13 cases (5 identified as Wuchereria bancrofti), clinical, pathologic, and parasitologic features: Sri Lanka

Localization
Endotrypanum schaudiinni in Choloepus hoffmanni, infection acquired in laboratory-reared Lutzomyia sanguinaria, L. gomezi, and L. trapidoi during xenodiagnostic trials, infection rates and localization of flagellates in sand fly gut

Localization
Czaplinski, B., 1975, Acta Parasitol. Polon., v. 23 (26-40), 305-327
Hymenolepididae of wild Cygnus olor, extensiveness and intensity of infestation, age and sex of host, seasonal variation, distribution within digestive tract: Poland

Localization
Anodonta cygnea glochidia on Gasterosteus aculeatus, incidence and intensity, seasonal variation, effect of fish size, distribution on host: Shoulder of Wutton Pond in Epping Forest, Essex

Localization
Trichinella spiralis, site selection by larva during enteral phase of infection in mice, all stages were embedded between lamina propria and columnar epithelium

Localization
Desser, S. S., 1978, J. Parasitol., v. 64 (5), 933-935
eimerid coccidia, evidence of extraintestinal development in pigs and chamois (liver)

Localization
Lernaea cyprinacea on Catostomus commersoni and Carpioes cyprinus, incidence and intensity of infection, host sex, seasonal distribution, infection sites on hosts: Susquehanna River, Pennsylvania

Localization
Toxoplasma gondii, affinity of 4 strains to mice brains over other organs

Localization
Dubey, J. P.; and Mehhorn, H., 1978, J. Parasit., v. 64 (4), 689-695
Isospora belliensis, persistence and structure of extraintestinal stages in tissues of mice inoculated with oocysts, these give rise to stages in dogs that are different from oocyst induced infection in dogs, discussion of mice as transport vs. intermediate host

Localization
Cephenemyia stimulator in Capreolus capreolus, distribution within head cavity, seasonal incidence and development of larval stages throughout year, experimental infection of host, rearing of imagoes, unsuccessful attempts to catch imagoes in the field: Poland

Localization
Ebert, F.; Buse, E.; and Muehlpfordt, H., 1979, Ztschr. Parasitenk., v. 59 (1), 31-41
Leishmania donovani, virulent vs. avirulent promastigotes in hamster peritoneal macrophages in vitro, attachment, process of engulfment, amastigote multiplication, localization, light and electron microscopy

Localization
Onchocerca armillata, redescription of microfilariae and detailed pattern of distribution of microfilariae in hides of cattle
Localization
Omphocercus gutturosa, skin distribution of microfilariae in Sudanese cattle, prevalence according to host age: Khartoum, Sudan

Localization
Taenia hyusus (Cysticercus dromedarii), camels, morphology, incidence, predilection sites, 2 abnormal forms reported, differential diagnosis of degenerative forms from other common parasites of camels, need to include shoulder in routine carcass examination, unsuccessful attempt to infect dogs and jackals: Egypt

Localization
Epistylis-Aeromonas complex, centarchid fish, incidence, spatial distribution of lesions, host size class (age), body condition, seasonal periodicity, influence of thermal effluent on disease: Par Pond reservoir, Savannah River Plant near Aiken, South Carolina

Localization
Eveleigh, E. S.; and Threlfall, W., 1976, Canad. J. Zool., v. 54 (10), 1694-1711
Mallolophaga on Alcidae, prevalence and intensity, seasonal and annual data, burdens of adult hosts vs. chicks, distribution on host, louse population structure: Newfoundland

Localization
Fassi-Fehri, N.; et al., 1978, ANN. RECHERCHES VET., v. 9 (3), 409-417
Sarcocystis spp., cattle, sheep, frequency of infestation, host age and sex, localization in various muscles, pathology: Morocco

Localization
Fernandez, R.; and de Fernandez, C. C., 1977, Rev. Ecuator. Hig. y Med. Trop., v. 30 (3), 47-56
Sarcoptes scabiei, humans, clinical case reports, localization of lesions, morphologic descriptions of females, eggs, and larvae

Localization
Fitzpatrick, C.; and Threlfall, W., 1977, Canad. J. Zool., v. 55 (7), 1205-1209
Ectoparasites of 3 spp. of seabirds, degree of infestation, distribution on host body

Localization
Garben, A. F. N.; van Bronswijk, J. E. M. H.; and van Ebbehorst Tengbergen, T., 1978, Netherlands J. Zool., v. 28 (2), 193-205
Neotrombicula autumnalis, behaviour of unfed and feeding larvae (stability, movements, and sensory physiology of mite clusters; host finding and feeding), localization on host: the Netherlands

Localization
Dracunculus medinis, human, localization of larvae in pleura, development of eosinophilic pleurisy, case report: Mauritian native living in France

Localization
Chiggers infesting land mammals, host and habitat relationships, parasitoids (attachment site on host body): Papua New Guinea

Localization
Trematodes of 3 spp. of Anatinae, distribution in host intestine: Baltic Coast

Localization
Monogeneans of fish (primarily Dactylogyra), variation in size of body and attachment organs, of localization on host, and of developmental cycle with respect to host age and size, taxonomic implications

Localization
Hafer, M.; Hilali, M.; and Fouda, M., 1979, Ztschr. Ang. Entom., v. 87 (3), 327-335
Hippobosca equina, ecological studies: host preference, seasonal abundance, adult habits, effect of host sex and colour on attraction of flies, mating behaviour, distribution on host body, sex ratio, breeding season: El-Aziziya village, El-Faiyum governate, Egypt

Localization
Hair, J. N.; and Holmes, J. C., 1975, Acta Parasitol. Polon., v. 23 (12-25), 253-269
Usefulness of measures of diversity, niche width, and niche overlap in analysis of helminth communities in waterfowl, data suggest hypothesis that intestinal helminth fauna of Aythya affinis (particularly Hymenolepidads) is composed of chance combination of ecological specialists whose microhabitats and populations are determined in part by inter-specific interactions

Localization
Halawani, A. A.; Farag, H. F.; and Awadalla, H. N., 1977, Tropenmed. u. Parasitol., v. 28 (4), 478-480
Schistosoma haematobium-infected mice challenged with S. mansoni, changes in egg-distribution sites, cross-mating, complete absence of cross-immunity

Localization
Spatial distribution of gill parasites of Lepomis gibbosus and Ambloplites rupestris: Ontario

Localization
Urocleidus ferox on Lepomis gibbosus, seasonal dynamics and spatial distribution: Glenora and West Lake, Ontario

Localization
Cleidodiscus stentor, Ergasilus centarchidaruim on Ambloplites rupestris, seasonal dynamics and spatial distribution: West Lake and Glenora, Ontario

Localization
Cleidodiscus stentor, Ergasilus centarchidaruim on Ambloplites rupestris, seasonal dynamics and spatial distribution: West Lake and Glenora, Ontario
Localization
phagosome-lysosome fusion in macrophages, possible role in intracellular fate of ingested microorganisms, review including some information on parasitic protozoa

Localization
Hendrickson, G. L., 1979, Exper. Parasitol., v. 48 (2), 245-258
Ornithodiplostomum pychoechelus cercariae, migration to brain of Pinephales promelas

Localization
Herman, S. M.; and Bacha, W. J., jr., 1978, J. Parasitol., v. 64 (5), 827-830
Himasthla quissetensis, successful infection of domestic chicks per cloaca using cercariae, growth, development, and site location (preference for ileum where worms grew and developed at rate comparable to those raised in gull, worms from bursa of Fabricius showed relatively little growth and exhibited gonadal atrophy in some cases)

Localization
Camelostrongylus mentulatus, distribution in abomasum and pathogenicity during development in sheep (exper.)

Localization
Sarcocystis spp., cattle, monthly occurrence, localization, diagnosis: Osterreich

Localization
Hopkins, C. A.; and Allen, L. M., 1979, Parasitology, v. 79 (3), 401-409
Hymenolepis diminuta in rats, effect on worm growth of operating on host

Localization
Dactylogyrus nasalis on Rutilus rutilus, occurrence in relation to season and host age, localization on host at different stages of infection, life span of worms: Lake Verkheev Vrevco, Leningrad oblast

Localization
ectoparasites, livestock, distribution on host body, infestation rates by host sex, age, and life style: Eastern Nigeria

Localization
Analogeaeoida mites on turdid birds, occurrence during host spring and autumn migrations, included lymphocyte distribution on wings, population structure (sex ratios), developmental stages, host specificity, simultaneous infections: Poland

Localization
Jennings, F. W.; at al., 1979, Internat. J. Parasitol., v. 9 (4), 381-384
Trypanosoma brucei, brain as source of relapsing infection in mice after benzenil chemotherapy

Localization
Haematopinus apri on wild Sus scrofa, incidence and intensity, geographic distribution, host age and sex, seasonal dynamics of infestation and louse population structure, distribution on host body: Poland

Localization
Kadulski, S., 1975, Acta Parasitol. Polon., v. 23 (41-51), 493-535
ectoparasites of artiodactylyous game animals, survey with information for some parasite species on seasonal and long-term fluctuations, age and sex of host, localization on host, economic importance: Poland

Localization
Taenia solium, human ocular cysticercosis, frequent occurrence, poor hygiene, case reports; localization in various countries compared: Andhra and Tamilnadu states, India

Localization
Ceratixodes putus, incidence on adult and juvenile birds, distribution of various life cycle stages on host in relation to surface temperatures of various sections of body, dates of attacking behavior and development in relation to temperature and microclimate of habitats: east Murmansk

Localization
Horrida rhinobatidis and Troglodcephalus rhinobatidis from Rhinobatos batilum (gills), level of infestation, microhabitat, larval development of Horrida, possible role of certain structures in attachment and feeding: Queensland, Australia

Localization
Kearl, G. C., 1979, Internat. J. Parasitol., v. 9 (6), 545-552
skin-parasitic monogeneans of fish, occurrence of gut pigment in relation to habitat (host dorsal vs. ventral surface), pigment distribution in upper skin of fish hosts, chemical nature of pigment; Entobdella soleae does not contain gut pigment and does not damage host dermis during feeding

Localization
Theolohania duorara, Agamasoma penaei, and Pleistophora sp. in Penaeus duorarum, pathology, tissue specificity: southern Biscayne Bay
Localization
Machnicka, B.; et al., 1977, Acta Parasitol. Polon., v. 25 (1-10), 55-62
Cysticercus bovis in calves (exper.), morphogenesis, localization, host tissue reaction, immunological findings in indirect immunofluorescence test, histological and histochemical study of bladder

Localization
distribution of helminths in gut of flounder and plaice, physicochemical conditions in different regions of flounder gut

Localization
McVicar, A. H., 1979, Internat. J. Parasit., v. 9 (3), 165-176
5 cestode species, distribution within spiral intestine of Raja naevus, correlation with anatomical and physicochemical features of spiral intestine

Localization
Madden, P. A.; and Ruff, M. D., 1979, J. Parasitol., v. 65 (2), 234-242
Eimeria spp. in turkeys, effects on structural integrity of intestinal and cecal mucosa, scanning electron microscopy, comparison of damage with parasite distribution as seen by light microscopy

Localization
Cercaria vesiculosus of Prosthogonimus sp. in Lymnaea luteola (foot, mantle, digestive gland), distribution in host, abundance determined by planimetry, relationship between size of host and extent of infection, definite ratio between mass of parasite and mass of host digestive gland in a given age group

Localization
Manson-Smith, D. F.; et al., 1979, Clin. and Exper. Immunol., v. 38 (3), 475-482
Trichinella spiralis in NIH vs. BALB/c mice, distribution and duration of adult worms in small intestine, localization of lymphoblasts within regions of small intestine during course of infection

Localization
Ankylostoma, distribution along digestive tube of dogs: Prefeitura do Municipio de Sao Paulo

Localization
Ascoscoyle sp., dogs, distribution along intestinal tract: city of Sao Paulo

Localization
Melo, R. C.; and Brener, Z., 1978, J. Parasitol., v. 64 (3), 475-482
Trypanosoma cruzi, distribution of intracellular parasites in organs and tissues of mice inoculated with 4 different strains, some aspects of tissue tropism related to physiological characteristics of bloodstream forms, importance of this distribution in pathogenesis of disease

Localization
Mesfin, G. M.; and Bellamy, J. E. C., 1979, J. Parasitol., v. 65 (3), 469-471
Eimeria falciformis var pragensis, migration of sporozoites from absorptive to crypt epithelium of mouse colon

Localization
Michajlow, W., 1977, Zhurnal Obsh. Biol., v. 28 (5), 657-675
Euglenoidina of Copepoda, examples of evolution of parasitism and species formation; localization, life cycles

Localization
Cysticercus bovis, predilection distribution sites on cattle, survey: Uganda

Localization
Fasciola gigantica in Bubalus bubalis (liver), aberrant location in spleen and lung, pathology: India

Localization
Trypanosoma vespertilionis, morphology of bloodstream forms, sites and morphology of tissue stages (in cysts), morphology and ultrastructure of culture forms, difficulties in differentiating from T. cruzi

Localization
Mosimann, J.; et al., 1978, Biotertiaria, v. 34 (3), 341-356
Schistosoma mansoni, S. haematobium, human (egg-counts from Egyptian autopsy data), proportional distribution of eggs in various body organs in relation to infection intensity

Localization
Mutafova, T., 1976, Khelminologiia, Sofia, v. 1, 69-77
Heterakis gallinarum, chickens, development and distribution in caecum

Localization
Muzzall, P. M.; and Bullock, W. L., 1978, J. Parasitol., v. 64 (5), 860-865
Neochoerhynchus saginatus in Semotilus corporalis, seasonal changes in prevalence and intensity, parasite population structure, distribution in host intestine, relationship between fish size and parasite prevalence and intensity, occurrence in other hosts: Oyster River, Durham, New Hampshire

Localization
Mansonella ozzardi in humans, comparison of microfilaria densities in blood and skin snips from 3 areas of the body; relative importance of skin and blood dwelling tendencies of parasite in relation to vector uptake discussed: Trinidad

SUBJECT HEADINGS
621
Localization
Wuchereria bancrofti, Mansonella ozzardi, higher concentrations of microfilariae in capillary blood from the finger, applications for microfilarial surveys: Haiti, Trinidad

Localization
Ixodes ricinus larvae, overdistributed distribution on small mammal species in field during spring and autumn, host sex, feeding success on different host species under laboratory conditions, orientation, movements, and spatial frequency distribution on host body: Kullaberg, southern Sweden

Localization
Nitzandhprabhas, P.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (1, pt. 1), 206-207
Gnathostoma spinigerum, large subcutaneous nodule present for 2 months was removed from occiput of 26-year-old man and found to contain adult male worm, patient had history of eating raw fermented pork: Thailand

Localization
Gnathostoma sp., young adult female worm extracted from glans penis of 3-year-old boy, case report: Thailand

Localization
digenetic trematodes, comparative quantitative studies of acetylcholinesterase in seven species, higher quantities in species inhabiting gastrointestinal tract than in those parasitizing liver or swimbladder, apparently a biochemical adaptation to counteract peristalsis

Localization
Taenia saginata, slaughter cattle, calcified vs. non-calcified cysts, localization, implications for meat inspection procedures: Kenya

Localization
Diorchis, 5 spp. in Fulica atra, distribution within host intestine in single and mixed infections of differing intensity

Localization
Oshima, S.; et al., 1978, Japan. J. Exper. Med., v. 48 (6), 503-509
Schistosoma japonicum in Rattus mangunensis, localization in lungs, liver, and intestinal wall, massive pulmonary infestation with high incidence of emboli, histopathology: Leyte, Philippines

Localization
Onchocerca gutturosa, O. gibsoni, O. lienalis, distribution in cattle carcasses, recommended trimming procedures to ensure removal of parasites during meat inspection: Australia

Localization
Owen, R. L.; Nemanic, P. C.; and Stevens, D. P., 1979, Gastroenterology, v. 76 (4), 757-769
Giardia muris in immunocompetent mice, intestinal distribution of trophozoites, attachment and relationships to intestinal mucosa (particularly Peyer's patches), normal reaction of intestine and intestinal immune organs; includes some incidental observations on Hexamita muris

Localization
Palmieri, J. R.; and James, H. A., 1976, Great Basin Med. and Hyg., v. 36 (1), 97-100
Apateon gracilis in Helobdella stagnalis, Placobdella parasitica, and Erpobdella punctata, effects of leech behavior on cercarial penetration and localization

Localization
Pomphorhynchus laevis in Salmo salar, site and abundance in intestine, pathology, geographic distribution, distribution of intermediate hosts, possible use as biological tag

Localization
Hymenolepis erinacei, distribution in gut of Erinaceus europaeus (exper.)

Localization
Toxocara canis, mice, intravital diagnosis of early larva migrans, serological and hematological tests, histopathological changes in tissues, numbers of larvae detected in various internal organs

Localization
de Queiroz, A. C., 1974, Rev. Patol. Trop., v. 3 (3), 255-261
Schistosoma mansoni, human case reports, parasites in central nervous system discovered at autopsy, few or no neurological symptoms presented by patients prior to deaths: Brazil

Localization
Radlett, A. J., 1979, Parasitology, v. 79 (3), 411-416
Notocotylus attenuatus, in domestic fowl, in vivo excystation of metacercariae, intra-caecal growth and movement of worms, attachment of juvenile worms to host's caecum

Localization
Raizada, R. N.; and Nagar, S. K., 1979, Indian J. Animal Sc., v. 49 (8), 622-628
Boophilus microplus, abundance and distribution in relation to environmental conditions; site preferences for feeding on cows and buffalo: Uttar Pradesh
SUBJECT HEADINGS

Localization

Localization
Rau, M. E.; and Gordon, D. M., 1978, J. Fish Dis., v. 1 (3), 259-263 Apatemon gracilis per cuculids in Culaea inconstans, frequency distribution and localization in host populations of homogeneous age and size structure: swamp on Ile Perrot, Province of Quebec, Canada

Localization
Rau, M. E.; Gordon, D. M.; and Curtis, M. A., 1979, J. Fish Dis., v. 2 (4), 291-296 Diplostomum spp. in Coregonus clupeaformis (eyes), lack of bilateral symmetry in distribution of metacercariae, computer simulation of observed phenomenon demonstrated that asymmetry was not due to chance but was product of positive feedback mechanism, hypothesized that increased blood supply to inflamed tissues will channel more metacercariae to already infected eye: Squaw Lake, Schefferville, Quebec

Localization
Rep, B. H.; and Bos, R., 1979, Tijdschr. Diergeneesk., v. 104 (19), 747-758 Uncinaria stenocephala, dogs (exper.), worm population and topographical distribution in host intestine, prepatent and patent period, rhythm of daily worm-egg counts; egg and larval survival at low temperatures; natural infections in foxes and experimental cross-infections between dogs and foxes, epidemiological implications: Netherlands

Localization
Rohde, K., 1977, Zool. Anz., Jena, v. 199 (3-4), 164-172 distribution of monogenean and copepod ectoparasites on gills of tropical marine fish and fish from cold-temperate seas, evidence that restricted microhabitat leads to intraspecific contact and, thus, facilitates mating

Localization
Rohde, K., 1977, Zool. Anz., Jena, v. 199 (3-4), 171-182 Heteromicrocotyla australiensis sp. nov., Heteronevromicrocotylodes mirabilis gen. and sp. nov., Caligus fortis, habitat partitioning (each parasite on separate section of gills in clearly defined niches, each morphologically adapted to its microhabitat)

Localization
Rohde, K., 1978, Biol. Zentralbl., v. 97 (4), 405-418 gill parasites of marine fish, species numbers and microhabitat utilization at different latitudes, assumption of greater evolutionary speed in tropics as probable explanation of latitudinal gradients in species diversity (more species in tropical than in cold water fishes)

Localization

Localization
Rusak, L. V., 1974, Parazitologija, Leningrad, v. 8 (2), 109-111 Hymenolepis nana, young and adult worms, changes in localization in intestine of white mice in course of a day

Localization

Localization

Localization
Shelley, A. J.; et al., 1979, J. Med. Entom., v. 16 (1), 48-51 Onchocerca volvulus, human, concentration of microfilariae by Simulium sanguineum during feeding, fly gut squash method compared with skin snips for mapping parasite distribution in skin or for diagnosis: Amazonas, Brazil

Localization
Shepherd, R. C. H.; and Edmonds, J. W., 1979, Austral. J. Zool., v. 27 (2), 261-271 Echinophaga myrmecobi and E. perilis on Oryctolagus cuniculus, distribution on host, seasonal patterns of increase and decrease, sex of parasite, age and sex of host: Pine Plains, Mallee region of Victoria

Localization
Shoop, W. L.; and Janovy, J., jr., 1978, J. Parasit., v. 64 (3), 561-562 Orchochistocotyle bivitellobata adults found in coelomic cavity as well as intestine of Cnemidophorus sexlineatus, first report of this cestode occurring extraintestinaly: Cedar Point Biological Station, Ogallala, Nebraska

Localization
Smales, L. R.; and Mawson, P. M., 1978, Tr. Roy. Soc. South Australia, v. 102 (3-4), 79-83 nematodes of Macropus eugenii, site selection within stomach, population structure of Labiostrongylus eugenii in different sites: Kangaroo Island, South Australia

Localization
Smith, J. W., 1969, Norwegian J. Zool., v. 17 (1), 57-63 Diclidophora merlangi, Clavella adunca f. devastatrix, and Lernaeocera branchialis on Merlangius merlangus, incidence in relation to locality and host sex, intensity of infection, microhabitats: British waters
Localization
Schistosoma mansoni, miracidia, shells, and viable eggs in seminal fluid of man with mildly symptomatic intestinal infection: Belo Horizonte, Brazil

Localization
Stromberg, Parasitol., v. 64 (6), 1978, 998-1002
motors, development of mesenteric lymph nodes (with development to young adults) and liver (cysticercoids found)

Localization
Sosa, A.; et al., 1978, Experientia, v. 34 (2), 175-177
Cysticercus celluloseae, ATPase demonstrated in microtriches by high resolution cytchemistry, possible role in preferential tissue distribution of this parasite

Localization
Stadnichenko, A. P., 1972, Parazitologiia, Leningrad, v. 8 (2), 147-156
10 trematodes in Viviparus viviparus, pathogenic effect studied by histological and histochemical methods, host sex differences with respect to parasite occurrence, intensity, and localization: Ukraine [and/or] lower Volga

Localization
trematodes, seasonal distribution, distribution in intestine of Clangula hyemalis: Baltic Coast, Gdansk Province, Poland

Localization
Ostrera rutilus, sheep, extensity and intensity of infection, time of development, localization of different stage larvae within host, time of distance of flight of adult females: lowland, foothill, and mountain zones of Azerbaidzhan SSR

Localization
Taylor, S. M.; and Pearson, G. R., 1979, J. Comp. Path., v. 89 (3), 397-403
Trichostrongylus vitrinus, lambs (exper.), pathology during parasitic development, small intestine

Localization
Taylor, S. M.; and Pearson, G. R., 1979, J. Comp. Path., v. 89 (3), 405-412
Trichostrongylus vitrinus, 4- and 8-month-old lambs (exper.), location of worms and pathological changes during clinical infection, small intestine

Localization
Tesarik, J., 1972, Parazitologiia, Leningrad, v. 6 (2), 190-191
Neoechinorhynchus rutilus, localization in intestine of carp, changes during season, anthelmintic introduced per rectum is not effective, better results with tetraphenol fed to fish at 1 mg/kg body weight

Localization
Tham, K. T., 1979, J. Trop. Med. and Hyg., v. 82 (3), 21-22
Strongyloides, man, gastritis, case report

Localization
Dermacentor variabilis larva, sucking mice (exper.), attachment sites

Localization
Trypanosoma congolense, absence from lymph of infected sheep

Localization
Tumka, A. P., 1972, Parazitologiia, Leningrad, v. 6 (3), 222-228
Lambia muris, Trichomonas muris, Octomitus muris, localization in white mice exposed to x-irradiation

Localization
Vaitonen, E. T., 1979, J. Fish Dis., v. 2 (2), 99-103
Neoechinorhynchus rutilus in Coregonus nasus, seasonal prevalence, intensity of infection, distribution in host intestine, correlation between ostracods in diet and occurrence of N. rutilus: north-east of Bay of Bothnia, between parish of Haukipudas and island of Hailuoto

Localization
Ascaris lumbricoides, unfertilized ova and fragments, man (peripheral blood, feces)

Localization
Vik, R.; Halvorsen, O.; and Andersen, K., 1969, Norwegian J. Zool., v. 17 (1), 75-80
Diphyllolothrium dendriticum and D. vogeli in Gasterosteus aculeatus, localization sites of plerocercoids and extent of encystment, preliminary report: river Elbe, Neuenhulsen

Localization
Apateomon cobitidis, Holostephanus volgensis, Cyathocotyle opaca, localization in Anas platyrhynchos f. dom.

Localization
Lernaenicus radiatus on Brevoortia tyrannus and Micropogon undulatus, attachment site, seasonality, abundance, and incidence in relation to water temperature and salinity variations: Cape Fear River, North Carolina
Localization
Weiner, D. J., 1979, Arthritis and Rheum., v. 22 (10), 1142-1145
Dirofilaria immitis microfilaria found in synovial fluid of laboratory dog; microfilaria, probably Dipetalonema sp., in synovial membrane vessel lumen of monkey knee joint

Localization
Trypanosoma cruzi, leishmanial forms found more frequently in cardiac fibers of men than of women, autopsy survey, possible explanations

Localization
Williams, H. H.; McVicar, A. H.; and Ralph, R., 1970, Symposia Brit. Soc. Parasitol., v. 8, 43-77
fish helminths, host specificity, body shape and orientation within host gut, habitat specificity and migrations within gut, host alimentary canal physiology

Localization
Wright, K. A., 1979, J. Parasitol., v. 65 (3), 441-445
Trichinella spiralis, developmental site in mouse intestine examined by electron microscopy to determine relationship to epithelial cells of mucosa

Localization
Angiostrongylus cantonensis larvae, higher numbers infected host Biomphalaria glabrata by oral route (ingestion) than by skin penetration; higher percentages found in mantle collar and muscular part of host body

Localization
Zielke, E., 1979, Tropenned. u. Parasitol., v. 30 (2), 163-169
Brugia malayi, B. pahangi, percentage of larvae carried by vector (Aedes aegypti) which reach maturity in Meriones unguiculatus (exper.); distribution in final host

Locomotion and motility
amos, w. b.; et al., 1979, J. Cell Sc., v. 35, 139-164
Trichomonas spp. from termites, costa: bending waves, birefringence, structure, composition (proteins, ATPase), results indicate type of motile system distinct from any hitherto described

Locomotion and motility
Beddok, R. A.; and Mansour, T. E., 1979, Biochem. Pharmacol., v. 28 (24), 3689-3692
Fasciola hepatica, serotonin-activated adenylate cyclase, antagonism by levorphanol and dextrophan

Locomotion and motility
Opisthorchis felineus cercariae, movement in water

Locomotion and motility
Butter, N. E., 1979, Bijdr. Dierk., Amsterdam, v. 48 (2), 141-155
Corallonoxia longicauda in Haemadrae mardrites, occurrence and infestation rates in relation to depth, colony size, and environmental factors, parasite morphology, age of parasite and host, spatial distribution of parasite within colony, limited effect of parasites on host: S. W. and N. E. coasts of Curacao, Netherlands Antilles

Locomotion and motility
Schistosoma mansoni, activity of pairs of adults as modified by various oxamnique concentrations monitored in continuous flow culture system by means of ultrasound

Locomotion and motility
Schistosoma mansoni, ultrasound compares favorably with other activity monitoring methods used to assess drug effects on worms; response to 5-hydroxytryptamine as indicator of neuromuscular status

Locomotion and motility
Stenophora spp., types of motility, review

Locomotion and motility
Ascaris suum, changes in motor activity in relation to temperature, effect primarily on musculature and secondarily on nervous system

Locomotion and motility
Bothriocephalus gowkongensis, effect of sodium, potassium, and calcium ions on locomotor activity

Locomotion and motility
Cercaria oegonis n. sp., positive geotaxis and phototaxis, rapid swimming velocity, peculiar organ possibly a statocyst

Locomotion and motility
Garben, A. F. M.; van Bronswijk, J. E. M. H.; and van Ebbenhorst Tengbergen, T., 1978, Netherlands J. Zool., v. 28 (2), 193-205
Neotrombicula autumnalis, behaviour of unfed and feeding larvae (stability, movements, and sensory physiology of mite clusters; host finding and feeding), localization on host: the Netherlands

Locomotion and motility
Healy, J. A., 1979, Genetica, v. 50 (1), 19-30
Ixodes ricinus, polymorphism at α-glycerophosphate dehydrogenase locus detected by electrophoresis, allele and genotype frequency patterns in natural tick populations, physiological and behavioural correlates of alternate genotypes (susceptibility to desiccation, locomotory efficiency), sex and locality differences, results provide evidence that polymorphism serves adaptive function and suggest factors that may be involved in selective maintenance of variability in natural populations: Ireland
Locomotion and motility
Cradhia oncelpoti, motile response of flagellum to changes in temperature, pressure, and viscosity of environment, results provide information about mechanochemical cycle which bends flagellum

Locomotion and motility
Schistosoma mansoni schistosomula in vitro and in mouse lung, early developmental changes studied from perspective of surface antigenic expression and parasite motility, these changes may play role in determining survival of parasites in normal or immune host

Locomotion and motility
Cradhia oncelpoti, analysis of shape and propagation of waves on flagellum

Locomotion and motility
Moniezia benedeni, faenia hydatigena, effect of various cholines and adrenomimetic substances applied to scolex or posterior proglottids, importance of cephalic ganglions and peripheral nervous system in regulation of motor activity

Locomotion and motility
Hyalomma asiaticum, Cimex lectularius, locomotor responses under influence of electromagnetic fields of differing frequencies and intensities

Locomotion and motility
Mansour, T. E., 1979, Science (4405), v. 205, 462-469
helminths, regulation of motility, metabolism, chemotaxis, and egg formation in relation to development of new and more selective chemotherapy agents, review

Locomotion and motility
Fasciola hepatica, phosphodiesterase, properties, kinetics, effect of phosphodiesterase inhibitors on motility and endogenous cAMP concentrations in fluke heads

Locomotion and motility
Michel, R.; and Hohmann, R., 1979, Ztschr. Parasitenk., v. 60 (2), 123-133
Entamoeba histolytica, attachment to glass surfaces at different temperatures and pH values and in presence of cytochalasin B, colchicine, and vinblastine

Locomotion and motility
Crataerina pallida, halteres activity and possible functions in this flightless hippoboscid fly, very brief observations on Melophagus ovinus (halteres absent), Hippobosca equina, and an apterous African nectertibid

Locomotion and motility

Locomotion and motility
Ascaris suum, effects of histamine on movement of intact living worms and on muscle strips obtained from ventral body wall just distal to nerve ring, results indicate histamine receptors of H2-type

Locomotion and motility
Prior, D. J.; and Uglen, G. L., 1979, J. Exper. Biol., v. 83, 239-247
Proterometra macrostoma cercariae, behavioral and physiologic aspects of swimming

Locomotion and motility
Roberts, T. M.; Ward, S.; and Chernin, E., 1979, J. Parasitol., v. 65 (1), 41-49
Schistosoma mansoni, quantitation of behavioral responses of miracidia in concentration gradients of snail-conditioned water

Locomotion and motility
Rusnak, L. V.; and Usachev, V. P., 1973, Parasitologiia, Leningrad, v. 7 (2), 160-163
Hymenolepis nana, locomotor activity, effect of acetylcholine, adrenalin, serotonin, and histamine on speed of movement and detachment of worms from wall of isolated mouse intestine

Locomotion and motility
Singhal, K. C.; et al., 1978, Indian J. Physiol. and Pharmacol., v. 22 (1), 71-74
Setaria cervi adults, estimation of total and free acetylcholine and cholinesterase content, acetylcholine as possible neurotransmitter, implications for designing cholinergic blocking agents which are selective to the parasite

Locomotion and motility
Walker, M. H.; et al., 1979, J. Protozool., v. 26 (4), 566-574
Gregarina garnhami, structure and gliding movement, light microscopy, scanning and transmission electron microscopy

Locomotion and motility
Anchyllostoma tubaeforme larvae, lipid loss resulting directly from locomotory activity
Longevity


Wuchereria bancrofti var. pacifica, human, 2 case reports, one demonstrating microfilaraemia which persisted for 40 years, and one demonstrating mosquito infection acquired from patient with ultra-low level microfilaraemia, epidemiological implications

Longevity

Dick, J. W., 1978, Avian Dis., v. 22 (1), 82-85

Leucocytozoon smithi, turkey, persistence of gametocytes in peripheral blood for more than a year after a single short natural exposure: Marlboro and Sumter Counties, South Carolina

Longevity

Gatapia, S. L.; et al., 1976, Philippine J. Vet. and Animal Sc., v. 2 (2), 84-88

Trypanosoma evansi, longevity in artificial medium at room and refrigerator temperatures

Longevity


Xenopsylla skrjabini, X. putatilii, longevity of males vs. females (feeding, longevity of normal adults and fecundity in 2 seasons, effect of presence of males on fecundity of females, sexual maturation, sex ratio); larval stage (larviposition, description, and duration of 3rd larval stage; seasonal intraterine larval development); pupal stage (duration, effect of temperature and humidity)

Longevity


Trypanosoma murmanensis, longevity in marine leech, Johanssonea sp., infection can persist through 5-6 host feedings, survival attributed to residual stages in proboscis

Longevity


fleas, longevity in burrows, review

Longevity


Amphipsylla rossica, ecology, field and laboratory studies: feeding, reproduction, development, survival, and longevity under various conditions of temperature and humidity; age composition and physiological state of populations in different months; abundance on Microtus arvalis and in its nests and burrow strata in different months: Transcaucasian highlands

Longevity


Tubulovesicula lindbergi and Lecithaster gibbosus in captive Oncorhynchus, parasite life span, maturation, and growth

Longevity


Fasciola hepatica metacercariae encysted on herbage, longevity, winter vs. summer, irrigated and non-irrigated pastures: Werribee, Victoria

Longevity


hookworms, acquisition and loss by children over 22-month study period, host age, sex, and religion, seasonal patterns, extrapolation of estimates for larval efficiency and adult life spans: rural West Bengal

SUBJECT HEADINGS

Locomotion and motility

Williams, G. W., 1942, J. Morphol., v. 70 (3), 545-589

Metaradiophrya lumbrici, detailed description, movement and attachment behavior, cytology of division; description of other Metaradiophrya spp. and comparison with M. lumbrici

Locomotion and motility


Paradistigma n. spp., life cycles, flagellate locomotion, attraction to specific copepod host, speculation on evolution to parasitism: Mazurian Lakes, Poland

Longevity. [See also Age; Survival and viability]

Longevity


Hippobosca equina, field-collected and laboratory-reared on guinea pigs, biology, adult males vs. females (feeding, longevity of starved adults in 2 seasons, longevity of normal adults and fecundity in 2 seasons, effect of presence of males on fecundity of females, sexual maturation, sex ratio); larval stage (larviposition, description, and duration of 3rd larval stage; seasonal intraterine larval development); pupal stage (duration, effect of temperature and humidity)

Longevity


helminths of British freshwater fish, population biology: the systems approach; distribution of parasites in the fish population; intermediate host-parasite systems; definitive host-parasite systems (life span and maturation cycle, population changes and their controlling factors, species exhibiting and not exhibiting seasonal cycles in incidence)

Longevity


Trypanosoma murmanensis, longevity in marine leech, Johanssonea sp., infection can persist through 5-6 host feedings, survival attributed to residual stages in proboscis

Longevity


fleas, longevity in burrows, review

Longevity


Amphipsylla rossica, ecology, field and laboratory studies: feeding, reproduction, development, survival, and longevity under various conditions of temperature and humidity; age composition and physiological state of populations in different months; abundance on Microtus arvalis and in its nests and burrow strata in different months: Transcaucasian highlands

Longevity


Tubulovesicula lindbergi and Lecithaster gibbosus in captive Oncorhynchus, parasite life span, maturation, and growth

Longevity


Fasciola hepatica metacercariae encysted on herbage, longevity, winter vs. summer, irrigated and non-irrigated pastures: Werribee, Victoria

Longevity


hookworms, acquisition and loss by children over 22-month study period, host age, sex, and religion, seasonal patterns, extrapolation of estimates for larval efficiency and adult life spans: rural West Bengal
Longevity

Nollen, P. M.; Samizadeh-Yazd, A.; and Snyder, D. E., 1979, J. Parasitol., v. 65 (5), 772-776

Philophthalmus spp. longevity and hatchability of miracidia, effects of salinity, pH, and temperature

Longevity

Nwosu, A. B. C., 1979, J. Helminth., v. 53 (3), 225-228

Ancylostoma tubaforme, 3rd stage infective larvae, relationship between neutral lipid depletion and longevity/survival, effect of various environmental stresses (temperature, pH, anaerobiosis)

Longevity

Peterson, J. J., 1979, Southwest. Entom., v. 4 (1), 65-69

Romanonermis culicivora, longevity of laboratory cultures extended by low temperatures, mass rearing techniques

Longevity

trematode parasites of Argentina silus, incidence and intensity in different host length groups, as indicators of change in host feeding habits, not suitable as biological tags to distinguish host populations; Lechinthonyx latipapillatus, parasite length/frequency distribution in different host length groups, seasonal variation, parasite life span and growth: western Atlantic

Longevity

Amblyomma americanum adults, molting time, overwintering survival, and longevity in selected woodlots: Cherokee Co., Oklahoma

Longevity

Stone, W. M.; Stewart, T. B.; and Smith, F., 1979, J. Parasitol., v. 65 (3), 460-461
Ancylostoma caninum, longevity and infectivity of tissue phase larvae in guinea pigs and swine, both shown to be potential paratenic hosts

Longevity

Pascoliella heptica metacercariae, longevity and infectivity in hay, effect of different methods of hay drying used in Poland, concluded that hay may contain infective metacercariae in spite of adequate drying methods, only proper ensilage of green roughage makes it safe from infective forms of liver fluke

Longevity


decay of strongyle larvae in cattle dung pats on pasture, larvae persisted longer in pats deposited during dry vs. rainy season

Longevity

[See also Pneumonia; Respiratory system]

Lungs


[Schistosoma] mansoni, human, determination of elastase in blood platelets and the role of elastase in granuloma formation in lungs

Lungs


Nippostrongylus brasiliensis, factors which determine emergence from pulmonary circulation into alveoli and bronchioles of rat's lung, includes some brief observations on Ancylostoma tubaforme

Lungs

Edungbola, L. D.; and Schiller, E. L., 1979, J. Parasitol., v. 65 (2), 253-261

Schistosoma mansoni, mice, rats, hamsters, comparative histopathology of hepatic and pulmonary granulomata experimentally induced with eggs

Lungs


Plasmodium falciparum, woman, acute pulmonary edema as a complication of parasite infection, case findings suggest that the edema was the result of altered capillary membrane permeability

Lungs


Paragonimus kellicotti, cats (exp.), pathogenesis of pulmonary lesions

Lungs

Laubach, H.; Kocan, A. A.; and Sartain, K. E., [1979], J. Parasitol., v. 64 (6), 1145-1146

Angiostrongylus cantonensis in specific pathogen-free rats, elevated lung lysophospholipase activity and bone marrow eosinophilia due to infection are not additive with increasing worm burdens, findings suggest immune-controlled mechanism of lysophospholipase activity increase during helminth infection

Lungs


Dirofilaria immitis, dog (lung, liver), extensive pulmonary arterial thrombosis without subsequent infarction, absence of significant pathologic changes, case history

Lungs


Dirofilaria immitis, dogs with early vascular changes but without clinical cardiopulmonary signs and pulmonary hypertension, pulmonary vascular response

Lungs

Thelen, M.; et al., 1976, ROEFO, v. 124 (2), 110-119

human pulmonary echinococcosis, radiologic differentiation of lung changes associated with progressive pulmonary insufficiency

Lungs


Dirofilaria immitis, dogs (exp.), scintigraphic evaluation of pulmonary perfusion
Subheadings

Lungs
Tsakayannis, E.; Pappis, C.; and Moussatos, G., 1970, Surgery, St. Louis, v. 68 (2), 379-382
Hydatid disease of lung, children, conservative surgical procedures, indications for surgery in intact or ruptured cysts, review of 70 cases: Greece

Lungs
Vessal, K.; et al., 1977, Radiologe, v. 17 (7), 280-295
Human pulmonary echinococcosis, role and limitations of radiology in diagnosis, clinical review

Lungs
Volkmer, K. J.; and Braband, H., 1975, ROFEO, v. 122 (3), 265-267
Paragonimus westermani, humans, radiologic pulmonary changes, differentiation from tuberculosis

Lungs
Trichomonas sp., man resulting in empyema secondary to presumed aspiration pneumonia, clinical case report, successful metronidazole therapy: University of Kentucky Medical Center Hospital, Lexington, Kentucky

Lungs
Plasmodium berghei-infected mice, immune complexes in lungs, symposium presentation

Lymph. See Lymphatic system.

Lymphadenitis. See Lymphatic system.

Lymphatic system. [See also Cardiovascular system; Elephantiasis]

Lymphatic system
Echinococcus granulosus, mice, pathological changes in thymus-dependent areas of spleen and lymph nodes

Lymphatic system
Demodex canis, dogs, occurrence, pathology of mandibular, parotid, retropharyngeal, and prescapular lymph nodes: India

Lymphatic system
Leishmanina donovani presenting as localized lymphadenitis without cutaneous, mucosal or visceral involvement, histologic appearance simulated toxoplasmosis, 2 case reports, value of electron microscopy in differential diagnosis

Lymphatic system
Onchocerca volvulus, clinicopathologic study of 34 patients with lymphadenitis, possible role of immune complexes: Africa; Yemen

Lymphatic system
Toxoplasmosis, human lymphoglandular, pathological aspects

Lymphatic system
Filariasis, 40-year-old California man, arm lymphedema, diethylcarbamazine citrate: United States, had resided 3 years in Africa

Lymphatic system
Necrotizing lymphadenitis, 2 case reports, possibly caused by acute Toxoplasma infection: Japan

Lymphatic system
Luckins, A. G.; and Gray, A. R., 1979, Research Vet. Sc., v. 27 (1), 129-131
Trypanosoma congoense, sheep, Ayrshire calves (both exper.): lymph nodes of both; should not be regarded as strict plasma parasite

Lymphatic system
Muzzio, P. C.; Maffessanti, M.; and Pescarini, L., 1975, Quad. Radiol., v. 40 (2), 121-128
Human lymphatic toxoplasmosis, differential diagnosis using lymphography, clinical case reports

Lymphatic system
de Queiroz, A. C.; and Barreto, S. C., 1975, Rev. Patol. Trop., v. 4 (1), 17-24
Strongyloides stercoralis, fatal human infections, pathology of mesenteric lymph nodes

Lymphatic system
Human schistosomal hepatic fibrosis with presinusoidal obstruction, study of chemical constituents (proteins, immunoglobulins, lipids, enzymes, electrolytes) of thoracic duct lymph and of serum, comparison with controls

Lymphatic system
Toxoplasma, possible cause of human mesenteric lymphadenitis, clinical report

Lymphedema. See Lymphatic system.

Lysosomes
Intracellular Protista, taxonomic range, location within host cells, host species and host cell specificity, invasion of host cells, methods of evading intracellular destruction by lysosomes, nutrition, effects on structure and composition of host cells, exit from host cell, review
**Lysosomes**

Leishmania braziliensis-like, entry of promastigotes into human skin fibroblasts in vitro, lack of phagosome-lysosome fusion after entry, transformation into amastigotes, intracellular survival and multiplication; L. donovani promastigotes unable to infect human skin fibroblasts in vitro

Hart, P. A., 1979, Lysosomes Applied Biol. and Therap., v. 6, 409-423
Phagosome-lysosome fusion in macrophages, possible role in intracellular fate of ingested microorganisms, review including some information on parasitic protozoa

Houba, V.; et al., 1979, Lysosomes Applied Biol. and Therap., v. 6, 3-29
Lysosomes, possible role in helminth immunity and immunopathology, review with emphasis on Schistosoma mansoni

Khavkin, Th. N.; and Freidlin, I. S., 1977, Ztschr. Parasitenk., v. 52 (1), 19-21
Toxoplasma gondii in parasitophorous vacuoles of mouse peritoneal macrophages, lysosomes in macrophages stained with quinacrine, fluorescence microscopy shows that lysosomes do not fuse with vacuoles containing viable parasites, may be factor in pathogenicity

S[chistosoma] mansoni, mice, studies on the lability of lysosomal membrane in infected livers and comparison with normal controls

Schistosoma mansoni, tegument pathology following chemotherapy with 153C51, lysosomal involvement (accumulation of inclusions with characteristics of residual lysosomes, changes in localization of acid phosphatase), immunological factors probably not involved
Malaysia
Betterton, C., 1979, Internat. J. Parasitol., v. 9 (4), 313-320
intestinal helminths of small mammals, patterns of parasitism with respect to host ecology; Peninsular Malaysia

Malaysia
parasitic, bacterial, viral, toxic, and neoplastic diseases encountered in domestic animals: West Malaysia
cattle
(Eleophora poeli; Eurytrema pancreaticum; Paramphistomum probably Gigantocotyle explanatum; Paramphistomum sp.; Fasciola gigantica; intestinal coccidiosis; Onchocerca armillata)
Bubalus bubalis
(intestinal coccidiosis; onchocercal dermatitis; Paramphistomum sp.)
sheep
(Eurytrema pancreaticum)
goats
(intestinal coccidiosis)
dogs
(Ancylostoma caninum; Spirocerca lupi; dirofilariasis)
chickens
(coccidiosis; Eimeria tenella; [leucocytozoon] caulleryi; Tetrameres, probably T. americana)

Malaysia
intestinal parasites, human, prevalence by age and sex: Kampong Telok Kechil, Pulau Pangkor, West Malaysia
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Mass production of parasites. See Culture; Technique.

Mass production of parasites. See Culture; Technique.

Mast cells

Capron, M.; et al., 1978, J. Immunol., v. 121 (6), 2518-2525
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Eimeria tenella, infectivity after short-time composting of poultry manure, chicks (exper.)

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Smith, J. P., 1979, Southwest. Vet., v. 32 (1), 33-35
Ascaris suum eggs, viability for 12 months in non-aerated manure collection pits, hazards related to recycling

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Mast cells. [See also Immunity]

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Nippostrongylus brasiliensis-infected rats, mast cells and histamine levels in tissues

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**Sewell, M. M. H.; and Harrison, L. J. S.,** 1978, *Vet. Rec.,* v. 102 (10), 223 [Letter] cysticercosis, bovine, need for better meat inspection regulations; carcases cleared for human consumption found to contain cysts


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Membranes, Host
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Plasmodium knowlesi, interaction between malaria parasite and host erythrocyte, freeze fracture studies of internal cytoarchitecture of surface membranes

Membranes, Host
S[chistosoma] mansoni, mice, studies on the liability of lysosomal membrane in infected livers and comparison with normal controls

Membranes, Host
Plasmodium knowlesi in Macaca mulatta, parasite-induced antigens in membranes of parasitized erythrocytes, possible relevance to development of antimalarial vaccines

Membranes, Host
Plasmodium knowlesi, surface properties of normal rhesus monkey erythrocytes and of infected erythrocytes, externally disposed protein used as probes of surface changes, pigment-free preparation of membrane proteins obtained, possible application in preparing specific antigens

Membranes, Host
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Membranes, Host
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Toxoplasma gondii tachyzoites can penetrate differentiating Friend erythroleukemia cells containing hemoglobin or erythrocyte membrane-specific proteins such as spectrin, these results suggest that such proteins may not be essential components in preventing this parasite's penetration into mammalian erythrocytes

Membranes, Host
Eimeria necatrix, induction of gel-phase lipid in plasma membrane of chick intestinal cells after infection, membrane lipid of developing parasites remains exclusively liquid crystalline at physiological temperature

Membranes, Host
malaria, membrane pathobiology, review
Membranes, Parasite
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Membranes, Parasite
Trypanosoma cruzi epimastigote forms, evidence for plasma membrane localization and antigenic nature of carbohydrate-containing macromolecules

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Membranes, Parasite
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Plasmodium lophuare, membrane proteins of erythrocyte-free plasmodia and malaria-infected red cells

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Trypanosoma cruzi epimastigotes, method of isolation of plasma membrane vesicles, general analysis of their properties, protein and carbohydrate content, antigenicity

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Plasmodium lophuare, differentiation of parasite membrane, parasitophorous vacuole membrane, and duck erythrocyte membrane with cationized ferritin staining as an electron microscope cytochemical method

Membranes, Parasite
Eimeria necatrix, induction of gel-phase lipid in plasma membrane of chick intestinal cells after infection, membrane lipid of developing parasites remains exclusively liquid crystalline at physiological temperature

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Fasciola hepatica, basal infolds and associated vacuoles of tegument: general and enzymatic histochemistry, osmotic behavior, theory outlining possible mode of operation of tegument as transporting epithelium

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Meningitis. [See also Meningoencephalitis]

Meningitis
Angiostrongylus cantonensis, human, eosinophilic meningitis, review together with some new findings, clinical manifestations, diagnosis (including encouraging results with enzyme linked immunosorbent assay): Taiwan; Okinawa

Meningitis
eosinophilic meningitis, human, case report, patient's serum contained antibodies against Angiostrongylus cantonensis and Toxocara canis, former suspected to be cause: Shizuoka Prefecture, Honshu, Japan

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human neurocysticercosis, 3 case reports with autopsy findings of severe meningitis and hydrocephalus, clinical aspects, recommendations for use of complement fixation for reliable diagnosis
Meningoencephalitis
human meningitis of parasitic origins, clinical review

Meningitis
Angiostrongylus cantonensis, human, 4 fatal cases, clinical and pathological findings: Thailand

Meningoencephalitis. [See also Encephalitis; Meningitis]
Meningoencephalitis
human amoebic meningoencephalitis, etiology, epidemiology, pathology, diagnosis, therapy, review

Meningoencephalitis
free-living amoeae in cerebrospinal fluid of 8-year-old boy with signs and symptoms of meningoencephalitis: zona rural do Municipio de Capao Bonito, Estado de Sao Paulo, Brasil

Meningoencephalitis
Naegleria fowleri, human amoebic meningoencephalitis, water pollution as major source of infection, epidemiology, prevention and control, review

Meningoencephalitis
Sarcocystis-like structure, bovine, mild meningoencephalitis, light electron microscopy

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Meningoencephalitis
Naegleria aerobia flagellate stage, pathogenicity, bearing on epidemiology of exogenous amoebiasis

Meningoencephalitis
unidentified free living amoea (appeared to be neither Naegleria or Acanthamoeba-Hartmanella, but possibly Vahlkampfia) causing fatal primary amebic meningoencephalitis and brain abscess in diabetic woman, case report, discussion of identifying characteristics, classification and speculation, public health implications: rural Smithfield, Virginia

Meningoencephalitis
Trypanosoma gambiense, humans, meningoencephalitis, clinical signs, pathology, diagnosis, case histories

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Trypanosoma brucei rhodesiense, EATRO 1989 strain in white mice induced chronic infection with meningoencephalitis similar to infection in humans, suitable model for studying human infection and screening drug compounds for activity during late stages of infections

Meningoencephalitis
human cysticercosis, case report of patient with generalized cerebral infection manifesting as meningoencephalitis, diagnosis only after surgical intervention

Meningoencephalitis
Naegleria fowleri, human meningoencephalitis, general clinical review, 3 case reports: Belgium

Meningoencephalitis
Naegleri gruberi, human, fatal meningoencephalitis after swimming in public pools, amoea discovered in spinal fluid, amphotericin B studied as possible therapy: Belgium

Meningoencephalitis
primary amebic meningoencephalitis, human (brain, pancreas), clinical findings, post-mortem studies, electron microscopy, immunohistologic studies, evidence slightly more indicative of Acanthamoeba than Naegleria infection: Louisiana

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Hartmannella culbertsoni, meningoencephalitic mice, biochemical changes in brain

Meningoencephalitis


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Meningoencephalitis

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Meningoencephalitis


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Meningoencephalitis


Naegleria fowleri, man, primary amoebic meningoencephalitis, neuropathology of 3 fatal cases: Antwerp

Meningoencephalitis

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Meningoencephalitis


Naegleria fowleri, Acanthamoeba culbertsoni, human primary amoebic meningoencephalitis, broad review

Meningoencephalitis


Hartmannella culbertsoni, mice, experimental amoebic meningoencephalitis, gross biochemical changes in brain

Meningoencephalitis

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Meningoencephalitis


Micronema deletrix, adult man (brain), fatal meningoencephalitis, gross and microscopic findings, case report

Meningoencephalitis


Naegleria fowleri-infected mice, amphotericin B potentiated by tetracycline shows promise in treating meningoencephalitis

Meningoencephalitis


Naegleria fowleri, 14-year-old boy, fatal primary amoebic meningoencephalitis after swimming in stream polluted by warm effluents of zinc and lead factory: Canal of Beverio, Balem-Wezel

Meningoencephalitis


Naegleria fowleri, variants in Australian strains, immunoelectrophoretic analysis shows them to have antigenic identity with human stains causing meningoencephalitis in other parts of world

Mental disorders


Toxoplasma skin tests, mentally retarded children and their mothers, conclusion that toxoplasmosis does not play great role in mental retardation causation: Iraq

Mental disorders


Trypanosoma gambiense, humans, neurologic and psychologic pathology, analysis of 50 cases: Kinshasa, Zaire

Mental disorders


Toxoplasma gondii, serological detection of infection in children with mental disorders compared to detection in normal children, prevalence of disease varied depending on mental deficiency and intelligence quotients of children with mental disorders: Araraquara, Brazil

Mental disorders


Toxoplasma gondii, survey of infection prevalence in mental patients as compared with a sampling from normal controls; slightly higher rate of positive serology in the mentally ill patients

Mental disorders


Toxoplasma gondii, laboratory mice and rats, latent infection, diminished learning ability
Subject Headings

Mental disorders
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Toxoplasma gondii, humans with mental illnesses, high proportion of positive reactions to Sabin-Feldman dye test in 72 tested patients, need for diagnostic awareness

Mental disorders
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Mental retardation. See Mental disorders.

Metabolism. [See also Amino acids; Biochemistry; Carbohydrates; Enzymes; Histochemistry; Hormones; Lipids; Nucleic acids; Prostaglandins; Proteins; Respiration]

Metabolism
Taenia crassiceps, mRNA isolated from parasite polysomes directs synthesis of proteins in cell-free heterologous systems which are precipitable by antiseras against parasite proteins

Metabolism
Schneideria schneiderae in Trichosia pubescens (exper.), entry into and development in cells of intestinal caecum, host cell-symbiont interrelations, metabolic exchanges, symbiotic bacteria in cytoplasm of Schneideria, ultrastructural study

Metabolism
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Metabolism, Host
Eimeria tenella-infected chicks, relationship between RNA and protein biosynthesis in liver

Metabolism, Host
Schistosoma mansoni-infected Biomphalaria glabrata; microcalorimetric investigations; rate of oxygen consumptions explains heat flows for aerobic catabolism of carbohydrates, fats, or proteins

Metabolism, Host
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Metabolism, Host
Becker, W.; and Schmale, H., 1978, Comp. Biochem. and Physiol., v. 59B (1), 75-79
Biophalaria glabrata, ammonia and urea excretion under different physiological conditions including infection with Schistosoma mansoni

Metabolism, Host
Trypanosoma brucei, rabbits, possible pathologic effects of kallikrein and kinin release early in infection, consideration of similar mechanisms in human infection

Metabolism, Host
Trichinella spiralis-infected rats, inadequate oral food intake rather than changes in basal metabolism or intestinal pathophysiology accounts for weight loss during intestinal phase of infection

Metabolism, Host
Schistosoma mansoni-infected mice, activities of some hepatic drug-metabolizing enzymes can be increased by treatment with inducers

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Metabolism, Host
Trichostrongylus colubriformis-infected sheep, immunoglobulin metabolism, concluded that increased synthesis of IgG in resistant sheep continually exposed to T. colubriformis occurs as result of antigenic stimulation rather than as consequence of increased loss of plasma into intestine

Metabolism, Host
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Fasciola hepatica, sheep (exper.) given hay or hay plus pelleted supplement, feed intake and digestibility, body weight and nitrogen balance
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Strongyloides ransomii-infected piglets, protein synthesis changes in liver, glutathione status of liver, electrolyte concentrations in plasma, erythrocytes, and in different organs, plasma enzyme activities

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Schistosoma mansoni, conversion of arginine (but not glutamic acid) to proline in normal and fibrotic mouse liver slices and in living mice with schistosomiasis, arginine-derived proline was utilized for liver collagen synthesis, possible pathophysiological significance

Schistosoma mansoni, mice, 47-fold increase in activity of liver procollegen prolyl hydroxylase, effect of inhibitor, possibility that this enzyme may be rate-controlling in collagen deposition and that its inhibition may be therapeutically useful in liver fibrosis

Sarcocystis cruzi-infected calves (exper.), pathophysiological changes in urine and blood, several specific effects beyond those induced by nutritional stress

Trypanosoma brucei-infected rats, host-parasite interaction in metabolism of tyrosine

Human hepatic schistosomiasis, study of elimination rate of lipid and of changes in level of plasma free fatty acids in schistosomal patients and comparison with rates in normal controls

Chagas disease, aspects of lipid metabolism, comparison study of persons with chronic infections, chronic infections with cardiopathy, and normal controls, results imply that persons with chronic Chagas cardiopathy may have lowered triglyceride synthesis

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Babesia bigemina, acute cattle infection, plasma contains fibrin in monomer and high molecular weight forms, fibrin(ogen) degradation products not constantly detected, little or no evidence suggesting fibrinolysis or fibrin deposition; suggested that classic disseminated intravascular coagulation not present in B. bigemina infection

D[ictyocaulus] filaria-infected sheep, Trypanella spiralis-infected rabbit, decreased oxidative-reductive activity in blood serum, comparison with healthy animals, chemiluminescence method

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Trichuris suis, pigs (exper.), effects of infection on weight gains, digestion and absorption of nutrients, and nitrogen balance

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Trychostrongylus colubriformis, lambs (exper.), feed utilization, calcium and phosphorus metabolism and serum protein fractions, before and after treatment with thiabendazole

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Brugia pahangi-infected and normal Aedes aegypti, methylenetetrahydrofolate dehydrogenase (MTHFD) and reductase (MTHFR) activity, change in folate metabolism with advanced infections; suramin inhibited MTHFR activity but not MTHFD; MTHFR activity detected in crude extracts of adult parasites differed from that in mosquitoes

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Brugia pahangi-infected and normal Aedes aegypti, serine transhydroxymethylase activity
Metabolism, Host
Trichostonglylus colubriformis, guinea pigs, primary and secondary infections, skeletal muscle protein catabolism, comparison with uninfected animals fed quantitatively reduced rations, catabolism which was depressed in all 3 groups was directly related to fall in food consumption

Metabolism, Host
Eimeria tenella, E. mitis, biochemical characteristics of pathogenesis in chickens, review

Metabolism, Host
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Eimeria tenella-infected chickens (exp.), zinc concentration in various tissues and organs at different stages of infection

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Khovanskikh, A. E.; and Kuznetsova, N. A., 1975, Parazitologiya, Leningrad, v. 9 (1), 77-81
Eimeria tenella-infected chickens, intensity of C14-glycine inclusion into proteins of various organs, changes in total proteins and gamma-globulin in blood serum, correlation between increased biosynthesis of proteins in immunocompetent organs and increase in gamma-globulin in blood serum

Metabolism, Host
Krivutenko, A. I.; and Taranenko, I. L., 1977, Veterinariia, Moskva (8), 74-76
Heterakis gallinarum-infected turkeys, electrolyte and mineral metabolism

Metabolism, Host
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Trypanosoma lewisi, rats, iron metabolism, serum iron and serum iron-binding capacity, diets with various levels of iron

Metabolism, Host
Eimeria intestinalis, E. pelleryi, rabbits (exp.), changes in water metabolism in diarrhoeic hosts

Metabolism, Host
Trypanosoma cruzi, rats, study of changes in enzymatic activity in the duodenal Auerbach's plexus

Metabolism, Host
Trichobilharzia ocellata-infected Lymnaea stagnalis, increased growth rate, reduced tissue glycogen, shifts toward anaerobiosis

Metabolism, Host
Plasmodium, Babesia and Anhemosoma spp., comparative study of glucose catabolism by infected mouse erythrocytes, glucose utilization and lactate production of parasites

Metabolism, Host
Trichocephalus suis, suckling pigs, influence of amylosubylene on host carbohydrate metabolism

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effects of bovine pituitary growth hormone vs. Spirometra mansonioides plectocercoid growth factor on body growth and lipid composition in diabetic-hypophysectomized rats

Metabolism, Host
effects of bovine pituitary growth hormone vs. Spirometra mansonioides plectocercoid growth factor on metabolism of lymphoid tissue (thymus and spleen) in diabetic-hypophysectomized rats

Metabolism, Host
Plasmodium lophurae, pyridoxine kinase in trophozoites and in duckling erythrocytes, results suggest that vitamin B6 metabolism of malaria parasites is distinct and separate from that of host erythrocytes

Metabolism, Host
Trichinella spiralis-infected germfree vs. conventional mice, some metabolites and enzymes of carbohydrate metabolism in liver and small intestine

Metabolism, Host
Trichinella spiralis, conventional and bio-associated (with Staphylococcus epidermidis and Escherichia coli) mice, carbohydrate metabolism in livers and intestines, metabolite levels, enzyme activities

Metabolism, Host
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Metabolism, Host
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Metabolism, Host
Nematospiridioidea dubius- or Nippostrongylus brasiliensis-infected rats, Pasteur effect could not be shown in host jejunum mainly due to reduced rate of anaerobic lactate production, possible relationship of loss of Pasteur effect to immune response

Metabolism, Host
Ascaris suum, Ascaridia galli, Contraeacum aduncum, urease activity and ureogenesis in relation to class of host, analogy between some specific metabolic processes of the host and its parasite

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Metabolism, Host
Trichostrongylus vitrinus, sheep (exper.), chronic infection, food intake, and body weight gains, food digestibility, body composition, bone chemistry and histology, serum constituents

Metabolism, Host
Trichostrongylus colubriformis, guinea pigs with light to heavy infections, relationships between fall of food consumption and changes of body mass and skeletal muscle and liver protein synthesis

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Metabolism, Host
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Eimeria acervulina, chickens, single infection provides protection against adverse effects on energy and nitrogen metabolism of further similar infection

Metabolism, Host
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Metabolism, Host
Cyathocotyle malayi-infected Filopaludina sumatrensis, activity of selected enzymes in digestive gland and hemolymph

Metabolism, Parasite
Paragonimus westermani, Eurytrema pancreaticum, paper chromatographic analysis of carbohydrate metabolism, determination of amino acid fractions and other metabolites

Metabolism, Parasite
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Metabolism, Parasite
Physiology of fish parasites, review: chemical composition; physical environmental parameters (salinity, temperature, oxygen tension); nutrition (role of gut, role of tegument); metabolism (carbohydrates, nitrogenous compounds, lipids); growth physiology; host-parasite relations (pathology, host specificity and immunity)

Metabolism, Parasite
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Metabolism, Parasite
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Leishmania spp., cellular levels and synthesis of polyamines during growth cycle, polyamines characteristics might serve as further criterion for strain identification and classification

Metabolism, Parasite
Nippostrongylus brasiliensis, rats, Nemato- dirus battus, lambs, changes in parasite adenylate energy charge during course of infection, results indicate that immune response of host may affect energy status of these nematodes and this could help to explain their subsequent expulsion from the immune host

Metabolism, Parasite
Fasciola hepatica adults, activation of succinate dehydrogenase, significance of results in regulation of tricarboxylic acid cycle in parasitic helminths

Metabolism, Parasite
Ascaris lumbricoides, muscle tissue, pyruvate and citrate metabolism

Metabolism, Parasite
Fasciola hepatica adults, activities and intracellular distribution of enzymes of acetate and propionate production, possible pathways of acetate and propionate production

Metabolism, Parasite
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Metabolism, Parasite
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Metabolism, Parasite
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Metabolism, Parasite
biochemistry of parasitic protozoa, textbook: methodology; catabolism and generation of energy; nucleic acid metabolism; protein metabolism; lipid metabolism; biochemical mechanism of drug action; isolation of parasitic protozoa from infected animals; culture of parasitic protozoa.

Metabolism, Parasite
Kinetoplastida spp., Plasmodium spp., conversion of dihydroorotate to orotate, mechanism of reaction different in these 2 groups of protozoa, possible target of chemotherapeutic attack.

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Kinetoplastida spp., Plasmodium spp., conversion of dihydroorotate to orotate, mechanism of reaction different in these 2 groups of protozoa, possible target of chemotherapeutic attack.

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Metabolism, Parasite
Kinetoplastida spp., Plasmodium spp., conversion of dihydroorotate to orotate, mechanism of reaction different in these 2 groups of protozoa, possible target of chemotherapeutic attack.

Metabolism, Parasite
Trypanosoma cruzi, trypomastigotes, amastigotes, epimastigotes, purine and pyrimidine metabolism.

Metabolism, Parasite
Diphyllobothrium latum, Ligula intestinalis, Trianaphorus nodulosus, Coracidia, oxidoreductase histochemistry.
Metabolism, Parasite
Ixodid ticks, comparative analysis of excretory products during feeding

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Babesia spp. of cattle and mice, in vitro uptake of tritiated nucleic acid precursors by intra-erythrocytic stages of parasites

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Metabolism, Parasite
Eimeria tenella, use of amino acids from host's cell for protein synthesis

Metabolism, Parasite
Crithidia fasciiculata, transport and accumulation of purine bases

Metabolism, Parasite
Crithidia fasciiculata, Leishmania spp., adenine aminohydrolase, occurrence and possible significance

Metabolism, Parasite
Eurytrema pancreaticum, glycolytic pathways

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Fasciola hepatica, ATP synthesis in succinate decarboxylase system from mitochondria, inhibition in vitro by mebendazole and a soluble derivative of cambendazole

Metabolism, Parasite
Leishmania tropica promastigotes, purine nucleotide metabolism, inhibitory effect of allopurinol and analogues of purine nucleosides, possible mode of action of growth inhibition by allopurinol

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Metabolism, Parasite
Ligula intestinalis, no evidence for functional β-oxidation sequence in plerocercoids

Metabolism, Parasite
Ascaris lumbricoides var. suum, pyruvate dehydrogenase complex, purification and properties

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Subject Headings

Metabolism, Parasite
Metastrongylus apri, presence of "citrate cleavage" enzyme and pathway

Metabolism, Parasite
Hymenolepis diminuta, hydrolysis and transport of nucleotides

Metabolism, Parasite
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Metabolism, Parasite

Metabolism, Parasite
Entamoeba histolytica, pyruvate-to-ethanol pathway

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Metabolism, Parasite
flatworms (free-living, symbiotic, parasitic), effects of carbon dioxide on glucose incorporation, results suggest that rates of glycosynthesis in some flatworms vary with level of available carbon dioxide in the environment

Metabolism, Parasite
Trichomonas foetus, effect of oxygen and carbon dioxide on growth

Metabolism, Parasite
Plasmodium berghei, energy metabolism of sporozoites

Metabolism, Parasite
Echinococcus granulosus (horse and sheep strains), E. multilocularis, differences in chemical composition and carbohydrate metabolism between species and strains

Metabolism, Parasite
Dermacentor andersoni, absence of sterol biosynthesis suggests that ticks depend on their hosts for sterol requirements

Metabolism, Parasite
Leishmania donovani, L. braziliensis, culture forms, purine metabolism

Metabolism, Parasite
Dermacentor andersoni, absence of sterol biosynthesis suggests that ticks depend on their hosts for sterol requirements

Metabolism, Parasite
Ascaris suum, Contracaecum aduncum, maintenance in various protein solutions, effect on amino acids in body fluid and on end products of protein metabolism
Metabolism, Parasite
Moczon, T.; and Moczon, M., 1979, Acta Parasitol. Polon., v. 25 (1-10), 45-54
Hymenolepis diminuta, mature cestodes, oncospheres, cysticercoids, histochemical localization of enzymes of glycogen metabolism

Metabolism, Parasite
Hymenolepis diminuta, oncosphere is anaerobic with no cytochrome oxidase activity, this enzyme begins to be synthesized not before 6th-7th day after invasion of Tribolium castaneum and then its activity increases rapidly, completely formed cysticercoid is typical aerobe

Metabolism, Parasite
Diphyllobothrium latum, Ligula intestinalis, Trienophorus nodulosus, procercoids, oxidoreductase histochemistry

Metabolism, Parasite
Plasmodium, Babesia, and Herpesvirus spp., comparative study of glucose catabolism by infected mouse erythrocytes, glucose utilization and lactate production of parasites

Metabolism, Parasite
Ancylostoma tubaeforme larvae, lipid loss resulting directly from locomotory activity

Metabolism, Parasite
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Ancylostoma tubaeforme, 3rd stage infective larvae, relationship between neutral lipid depletion and longevity/survival, effect of various environmental stresses (temperature, pH, anaerobiosis)

Metabolism, Parasite
Lacistorhynchus tenuis, inability to utilize CO₂ produced by urease during urea catabolism

Metabolism, Parasite
Ascaridia galli, Cotylophoron cotylophorum, Rallilletina cesticillus, histochemistry of excretory systems, localization of lipids, carbohydrates, and hydrolytic enzymes; substance transportation and ionic regulation discussed

Metabolism, Parasite
Trichromonas foetus, metronidazole-resistant and susceptible strains, in vitro susceptibility testing, results suggest that the two strains differ in regulation of internal redox systems and underscore the role that testing methods may play in the in vitro detection of nitroimidazole-resistant protozoan parasites

Metabolism, Parasite
Trypanosoma brucei brucei, attempt to develop new trypanocidal drugs based on inability of bloodstream form to decompose hydrogen peroxide, experiments with porphyrins, naphthoquinone, and arsenicals in vitro and in vivo, possible mechanisms of combination of agents

Metabolism, Parasite
Diphyllobothrium latum, Trienophorus nodulosus, tentative synthesis of to-date studies on respiratory metabolism in embryos and coracidia

Metabolism, Parasite
Brugia pahangi, Dipetalonema viteae, Litomosoides carinii, comparative utilization of pyruvate; B. pahangi, assay and localization of some tricarboxylic acid cycle enzymes

Metabolism, Parasite
Crithidia fasciculata, α-aminoisobutyrate transport, effect of incubation medium composition, kinetic studies, effects of inhibitors, studies on respiration, metabolic effects of inhibitors

Metabolism, Parasite
Mied, P. A.; and Bueding, E., 1979, J. Parasitol., v. 65 (1), 25-30
Hymenolepis diminuta, glycogen synthase, parasite nutritional state, interconversion of enzyme forms, and primer glycogen molecular weight as control factors

Metabolism, Parasite
Hymenolepis diminuta, distribution of oxidoreductases in tissues of mature parasite

Metabolism, Parasite
Moczon, T., 1975, Acta Parasitol. Polon., v. 23 (41-51), 569-592
Hymenolepis diminuta, histochemical localization of enzymes of glycogen metabolism in tissues of mature parasites

Metabolism, Parasite
Hymenolepis diminuta, oncospheres and cysticercoids, enzymes of glycogen metabolism

Metabolism, Parasite
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Metabolism, Parasite
Hymenolepis diminuta, oncospheres and cysticercoids, enzymes of glycogen metabolism
Metabolism, Parasite
Caenorhabditis elegans, Ascaris suum, inhibition of isocitrate lyase by itaconate

Metabolism, Parasite
Ascaris suum, effect of ATP, B, and DNP on transport of amino acid in vitro

Metabolism, Parasite
Toxoplasma gondii, pyrimidine salvage pathways examined to determine enzymic defect of mutant resistant to 5-fluorodeoxyuridine

Metabolism, Parasite
Fasciola hepatica, metabolic profile of adult flukes obtained from rafoxanide-treated sheep, concluded that mode of action of rafoxanide in vivo is by uncoupling oxidative phosphorylation

Metabolism, Parasite
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Popiel, I.; and James, B. L., 1978, Parasitology, v. 76 (3), 349-358
Microphallus pygmaeus, changes in ultrastructure of daughter sporocyst and contained metacercariae during culture in artificial seawater and modified Medium 199, comparison with variations in oxygen consumption, almost simultaneous onset of body wall degeneration in both media suggests that the nutrient medium is not suitable for maintenance of healthy daughter sporocysts

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Schistosoma mansoni, glycylsarcosine transferase activity, possible correlation with carbohydrate composition of tegument

Metabolism, Parasite
Ascaris lumbricoides has necessary mechanism for biosynthesis and degradation of phospholipids and triacylglycerols, piperazine decreases level of triacylglycerols of this parasite by stimulating activity of lipase and partially inhibiting activity of phosphatidate phosphatase

Metabolism, Parasite
Sauer, J. R.; Frick, J. H.; and Hair, J. A., 1974, J. Insect Physiol., v. 20 (9), 1771-1778
Amblyomma americanum, control of 34Cl uptake by salivary glands

Metabolism, Parasite
Schanbacher, L. M.; and Beames, C. G., jr., 1978, J. Parasitol., v. 64 (1), 89-92
Ascaris suum, fate of endogenous carbohydrate of worm intestine in vitro, effect of exogenous glycogen and trehalose upon rate of movement of 3-0-methylglucose across sac preparations of intestine
Metabolism, Parasite
Schnur, L. P.; et al., 1979, FEBS Letters, v. 106 (1), 202-206
Leishmania tropica minor, L. aethiopica, polyamine synthesis and levels during growth and replication

Metabolism, Parasite
Leishmania donovani promastigotes, exometabolites, isolation and initial characterization

Metabolism, Parasite
Senft, A. W.; and Crabtree, G. W., 1977, Biochim. Pharmacol., v. 26 (20), 1847-1856
Schistosoma mansoni, inhibition of adenine and guanine nucleotide synthesis by purine analogs in intact worms in vitro, implications in development of new anti-schistosomal drugs

Metabolism, Parasite
Ascaris suum, A. galli, Contraecaecum aduncum, urease activity and ureogenesis in relation to class of host, analogy between some specific metabolic processes of the host and its parasite

Metabolism, Parasite
Leishmania spp., evidence for functional glyoxylate cycle

Metabolism, Parasite
Fasciola hepatica homogenates, serotonin (5-HT) activates and 3',5'-cyclic GMP inhibits glycogen-phosphorylase activity

Metabolism, Parasite
Simpson, L., 1978, J. Parasitol., v. 64 (2), 360
Trypanosoma brucei, glucose-sensitive culture strain

Metabolism, Parasite
Simpson, M. G.; and Laurence, B. R., 1979, J. Parasitol., v. 65 (5), 732-736
Brugia patei, incorporation of radioactive precursors into filarial larvae developing in susceptible vs. refractory mosquito species and into mosquito flight muscle

Metabolism, Parasite
Hartmannella culbertsoni, axenically grown, purification and properties of L-histidine ammonia-lyase, marked inhibitory effect of certain amoebicidal drugs and divalent cations

Metabolism, Parasite
trematodes, cestodes, glycogen distribution, histochemistry; metabolism discussed

Metabolism, Parasite
Glossimetra orientalis, histochemical study of butyryl cholinesterase in various tissues, functional significance in various locations discussed

Metabolism, Parasite
Glossimetra orientalis, histochemical localization of non-specific esterase, implications for lipid metabolism

Metabolism, Parasite
Moniliformis dubius, carbohydrate transport: post-absorptive phosphorylation of glucose and role of trehalose in accumulation of endogenous glucose reserves

Metabolism, Parasite
Starling, J. A.; and Fisher, F. M., jr., 1979, J. Parasitol., v. 65 (1), 8-13
Moniliformis dubius, initial metabolism of fructose, mannose, and galactose, results indicate probable importance of trehalose to carbohydrate metabolism and to economy of carbohydrate acquisition in Moniliformis

Metabolism, Parasite
Entamoeba histolytica, axenically cultivated trophozoites, enzymatic mechanism of L-serine oxidation
Metabolism, Parasite
Telles de Jesus Filho, M.; and Miraglia, T., 1977, Acta Histochem., v. 59 (1), 160-167
Sarcocystis fusiformis cysts in ox heart, histochemical (primarily histoenzymologic) observations for parasite metabolism, no inflammatory reactions found around cysts and enzymatic reactivity of muscle fibers near to cysts was not different from normal fibers

Metabolism, Parasite
Toye, P. J.; Sinden, R. E.; and Canning, F. U., 1977, Ztschr. Parasitenk., v. 53 (2), 133-141
Plasmodium yoelii nigeriensis mature gametocytes incubated with various metabolic inhibitor antibiotics, effects on microgametogenesis studied, results show de novo synthesis of axonemes and proteins essential to microgametogenesis, some results suggest possibility that de novo RNA synthesis is also required

Metabolism, Parasite
Turner, A. C.; and Hutchinson, W. F., 1979, Comp. Biochem. and Physiol., v. 64B (4), 403-406
Dirofilaria immitis adults, lipid synthesis

Metabolism, Parasite
Strongylyus brevicaudatus, anaerobic carbohydrate energy metabolic pathway

Metabolism, Parasite
Trypanosoma lewisi, effect of sodium citrate on multiplication of parasites and on composition and biosynthesis of lipids, conditions of active aeration

Metabolism, Parasite
Von Kruger, W. M. A.; et al., 1978, Comp. Biochem. and Physiol., v. 63B (1), 41-46
Schistosoma mansoni, oxygen consumption and lactate production by cercariae and larvae in several stages of development, lactate dehydrogenase activity from cercaria, cercarial bodies and tails, and schistosomules compared

Metabolism, Parasite
van Vugt, F.; van der Meer, P.; and van den Bergh, S. G., 1979, Internat. J. Biochem., v. 10 (1), 11-18
Fasciola hepatica adults, formation of propionate from succinate and of acetate from pyruvate as terminal processes in energy metabolism

Metabolism, Parasite
Ward, P. F. V.; and Huskisson, N. S., 1978, Parasitology, v. 77 (3), 255-271
Haemonchus contortus adults, comparison of glucose metabolism under anaerobic and aerobic conditions

Metabolism, Parasite
Theileria annulata, atypical mitochondria identified by ultracytochemical demonstration of mitochondrial marker enzymes, presence of both succinic dehydrogenase and cytochrome oxidase activity suggests that respiratory chain is operative in sporozoites

Metabolism, Parasite
Weik, R. R.; and John, D. T., 1979, J. Parasitol., v. 65 (5), 700-708
Naegleria fowleri, cell and mitochondria respiration

Metabolism, Parasite
Wilson, R. A.; and Barnes, P. E., 1979, Parasitology, v. 78 (3), 295-310
Schistosoma mansoni, protein and polysaccharide/glycoprotein synthesis by epithelial surfaces, autoradiography at light and electron microscope level

Metabolism, Parasite
Wong, P. C. L.; and Ko, R. C., 1979, Comp. Biochem. and Physiol., v. 62B (2), 129-132
Angiostrongylus cantonensis adults, de novo purine ribonucleotide biosynthesis

Metabolism, Parasite
Trypanosoma cruzi in tissue culture, purine metabolism in the intracellular phase of development; possible application to chemotherapeutic assays as during this period parasite exhibits greatest resistance to therapy

Metabolism, Parasite
Toxoplasma gondii, intracellular forms, pyrimidine metabolism

Metabolism, Parasite
Trypanosoma cruzi, intra- and extracellular forms, pyrimidine metabolism

Metabolism, Parasite
Yoshida, N.; et al., 1978, J. Protozool., v. 25 (4), 550-555
Herpetomonas spp., enzymes of ornithine-arginine metabolism

Metabolism, Parasite
Trypanosomatids, excretion of urea or ammonia or both, varies according to genus, may be of taxonomic use

Metabolism, Parasite
Gastrothylax crumenifer, Srivastava indica, Isoparorchis hypselobagri, carbohydrocarbon metabolism and enzyme studies suggest possible existence of pentosephosphate pathway and capacity for gluconeogenesis
Mexico

Metabolism, Parasite


Crithidia oncypelti, C. fasciculata, ribosomal RNA synthesis in kinetoplasts

Metamorphosis. See Ecdysis; Life cycle.

Mexico

Crevenna, P. B.; et al., 1976, SPM Salud Pub., Mexico, v. 36 (4), 241-280

intestinal parasites, comparative survey of children living in a communal institution and children from areas of suburban Mexico City (Giardia lamblia; Entamoeba coli; Iodamoeba buetschlii; Endolimax nana; Hymenolepis nana; Enterobius vermicularis; Ascaris lumbricoides; Trichuris trichiura)

Mexico


incidence survey, parasites of dogs from Distrito Federal, Mexico (Dipylidium caninum; Cysticercus cellulosae; Taenia hydatigena; T. pisiformis; Oncicola canis; Anclylostoma caninum; Toxascaris leonina; Toxocara canis; Linguatula serrata)

Mexico

de Haro Arteaga, I.; et al., 1977, Rev. Invest. Salud Pub., Mexico, v. 37 (1), 57-64

human parasite survey: Almoloya del Rio, Estado de Mexico (Entamoeba histolytica; E. coli; Endolimax nana; Iodamoeba buetschlii; Giardia lamblia; Chilomastix mesnilli; Hymenolepis nana; Ascaris lumbricoides; Enterobius vermicularis; Trichuris trichiura)

Mexico


Mexican prehispanic helminthology better known due to publication of Florentine Codex in bilingual edition

Mexico


comparative study of intestinal parasites in children from 2 school populations of different social and economic levels: Mexico (Giardia lamblia; Endolimax nana; Iodamoeba buetschlii; Entamoeba histolytica; Entamoeba coli; Ascaris lumbricoides; Trichuris trichiura; Enterobius vermicularis; Hymenolepis nana; Strongyloides stercoralis)

Mexico

Sobrevilla Cruz, R., 1977, Semana Med. Mexico (1141), an. 24, v. 90 (9), 267-272

intestinal parasites, children, incidence survey, associated problems: Clinica Re- fineria Madero, Tamps, Mexico (Giardia lamblia; tricocefois; Ascaris lumbricoides; Entamoeba histolytica; Strongyloides St.; Hymenolepis nana [tenias]; E. vermicularis)

Mexico


extensive review of literature and studies on human intestinal parasitism in Mexico (ascariasis; tricocefois; uncinariasis; entroglidiosis; enterobiasis; hemiopleiosis; teniasis; dipilidiosis; tricostongiliosis)

Microscopy. See Technique, Microscopic; Technique, Electron microscopic.

Migration. [See also Disease transmission, Travel and migration]

Migration, Host


Eimeria phasiani and E. colchici in Phasianus colchicus, dynamics of incidence dependent upon host biotope, host movements, season, temperature, and humidity: Mittelböhmen

Migration, Host


Anisakis simplex in Salmo salar, parasite population genetics (acid phosphatase phenotypes), use as biological indicators of host stocks: Atlantic Ocean

Migration, Host


acquisition of parasites by Oncorhynchus gorbuscha during migration from Bella Coola River to Fitz Hugh Sound, British Columbia

Migration, Host


copepods of Merlangius merlangus and Platichthys flesus, seasonal changes in levels of infestation related to annual migrations of young fish into estuary, localization, age of host: Medway Estuary, Kent

Migration, Host


Cystidicola cristivomeri, presence in Salmo salar (swim bladder) as indicator of char feeding habits and as possible means of demonstrating that some char remain in lake for extended periods rather than migrating regularly to sea: Stanwell-Fletcher Lake, Somerset Island, N.W.T.

Migration, Host


Clistostomum complanatum, description, presence of larval stage in an artificially warmed lake suggests possibility of aclimatization of parasites brought occasionally to more northern areas by avian hosts during seasonal migration: Poland

Migration, Host


Anaglesoides mites on turdid birds, occurrence during host spring and autumn migrations, incidence, intensity, distribution on wings, population structure (sex ratios, developmental stages), host specificity, simultaneous infections: Poland
Migration, Host
Nosema pyrausta in Ostrinia nubilalis, infection did not significantly decrease ability of larvae to migrate, transmission via contaminated frass, reduced larval populations

Migration, Parasite
Babesia mitochondrion, migration route of invasive juveniles in young sockeye salmon (exper.)

Migration, Parasite
Cysticercus tenuicollis, pigs (omentum), cyst types (common, intermediate, degenerative) compared, migratory route of bladder worm

Migration, Parasite
Schistosoma mansoni, experiments to determine what attractants cause worms to migrate from liver to mesenteric veins around colon of host, results support hypothesis that feces contain an attractant

Migration, Parasite
Baird, C. R., 1979, J. Parasitol., v. 65 (4), 639-644
Cuterebra tenebrosa, incidence in Neotoma cinerea from April to November of 1970 and 1971, experimental infections attempted in captive rodents and rabbits, dosage level and effect on hosts, larval migration, site of larval development, acquired immunity, egg viability

Migration, Parasite
Schistosoma mansoni, mice, parasite migration studied by mathematical equations, moment of maximum parasite recovery, asynchronic development, quantitative aspects

Migration, Parasite
Bhopale, M. K.; and Johri, G. N., 1978, J. Helminth., v. 52 (2), 109-113
Ancyclostoma caninum, distribution of larvae in central nervous system of mice infected with single or repeated doses

Migration, Parasite
Ascaris lumbricoides, child, migration of gravid female worm from intestinal lumen into peritoneal cavity, resulting granuloma of anterior abdominal wall and miliary granuloma in peritoneal cavity, case report

Migration, Parasite
Parascaris equorum in worm-free pony foals (exper.), migration and development

Migration, Parasite
Cook, T. W., 1978, J. Parasitol., v. 64 (5), 938-939
Fibricola cratera, migration in metamorphosing Rana pipiens from peritoneal cavity to hind leg musculature, progress and route

Migration, Parasite
Cooper, C. L.; Crites, J. L.; and Sprinkle-Fastkie, D. J., 1978, J. Parasitol., v. 64 (1), 102-107
Eustrongylides tubifex, third and fourth stage larvae, prevalence and intensity in various age/size classes of fish hosts with possible factors responsible for results, site selection, emergence behavior in relation to temperature as possible adaptation to facilitate rapid infection of definitive warm-blooded host upon ingestion of infected fish

Migration, Parasite
Ascaris lumbricoides, young child, extensive hepatic and intestinal ascariasis with migration of adult worm to right ventricle of heart, clinical and autopsy report: Planaltina (DF), Brasil

Migration, Parasite
Nippostrongylus brasiliensis, factors which determine emergence from pulmonary circulation into alveoli and bronchioles of rat's lung, includes some brief observations on Anclylostoma tubaeforme

Migration, Parasite
Do Duong Thai; Pham Hoang The; and Pham Ngoc Thai, 1971, Rev. Med., Hanoi, 5-9
Ascaris lumbricoides, in vitro study suggests variations in pH of host intestine may be etiologic cause of parasite migration to bile ducts or of intestinal obstructions

Migration, Parasite
Dubey, J. P.; et al., 1979, Vet. Parasitol., v. 5 (4), 325-337
Paragonimus kelicotti, dogs (peritoneal cavity, pleural cavity, lungs) (exper.), migration and development, fecal diagnosis (sedimentation vs. McMaster technique), clinicopathological and hematologic data, radiologic findings, gross and microscopic pathology

Migration, Parasite
Equine strongyles, infective larvae, survival and migration on herbage with reference to season, climatic conditions, and types of pasture: southern Queensland

Migration, Parasite
Fukutome, S., 1975, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 24 (2), 49-54
Anclylostoma braziliense, A. ceylanicum, mice (exper.), migratory behavior and development

Migration, Parasite
Georgi, J. R.; et al., 1979, Parasitology, v. 79 (1), 39-47
Filaroides hirthi, migration and full development in Canis familiaris, development to 3rd stage in vitro
Migration, Parasite
Grabda-Kazubksa, B., 1974, Acta Parasitol. Polon., v. 22 (35-44), 393-400
Haplotrema cylindracea, cercariae, penetration, routes of migration, and development in Rana temporaria and R. arvalis (both exper.)

Migration, Parasite
Hendrickson, G. L., 1979, Exper. Parasitol., v. 48 (2), 245-258
Ornithodiplostomum pychocheilus cercariae, migration to brain of Pinephales promelas

Migration, Parasite
Hopkins, C. A.; and Allen, L. M., 1979, Parasitology, v. 79 (3), 401-409
Hymenolepis diminuta in rats, effect of removing strobila on position of scolex in host intestine, effect on worm growth of operating on host

Migration, Parasite
Leigh, W. H., 1978, J. Parasitol., v. 64 (5), 831-834
Odinheriotrema incommodum, life history observations: metacercarial stage in Lepisosteus platyrhynchos shows marked affinity for female hosts; molluscan host unknown; migration after excystment in Alligator mississippiensis, host reaction (caused by secretions from parasite glands) forces relocation every few days, nature of host-parasite junction

Migration, Parasite
Dipetalonema vitae, larval migration and distribution in Ornithodoros tartakowskii, elimination of nematode larvae in tick coxal fluid may prevent hyperinfection, cannilalism transmits nematodes among ticks

Migration, Parasite
Strongylus edentatus, ponies (exper.), development, lesions from 10 to 72 weeks postinfection

Migration, Parasite
Podocotyle sp., Cucullanus minutus, C. heterochrous, migration in host gut

Migration, Parasite
Cyclocoelum mutabile in Fulica americana (exper.), migratory route

Migration, Parasite
Melendez, R. D.; and Lindquist, W. D., 1979, J. Parasitol., v. 65 (1), 85-88
Ascaridia columbae in intravenously infected Columba livia, larvae completed tracheal migration and arrived at small intestine where they established patent infection, histopathological description of lung granulomas

Migration, Parasite
Mesfin, G. M.; and Bellamy, J. E. C., 1979, J. Parasitol., v. 65 (3), 469-471
Eimeria falciformis var pragensi, migration of sporozoites from absorptive to crypt epithelium of mouse colon

Migration, Parasite
Miller, P.; and Wilson, R. A., 1978, Parasitology, v. 77 (3), 281-302
Schistosoma mansoni in laboratory rodents, migration and development of schistosomes with emphasis on time spent in cutaneous tissue, numbers which fail to reach circulatory vessels and exit from the skin, and their route of exit

Migration, Parasite
Minard, P.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (1, pt. 1), 87-93
Schistosoma mansoni, migration pattern and lung stage recovery of nonirradiated and cobalt 60-irradiated schistosomes in non-immunized mice and of challenge schistosomes in mice immunized with cobalt 60-irradiated cercariae

Migration, Parasite
Nicholls, J. M.; et al., 1978, J. Comp. Path., v. 88 (2), 261-274
Parascaris equorum, pony foals (exper.), pathological study of lungs, changes caused by migrating larvae

Migration, Parasite
Ascaris lumbricoides, woman, migration into common bile duct following cholecystectomy and T-tube choledochotomy, pre-operative vermifuge recommended

Migration, Parasite
Schistosoma mansoni, mice treated with oxamniquine vs. untreated mice, effects of drug on parasite migration and development in host

Migration, Parasite
Oshima, T., 1976, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 25 (6), 447-455
Toxocara canis, specific-pathogen-free beagles vs. prenatally infected mongrel dogs dewormed before inoculation (exper.), larval migration and development, eosinophilia after primary and superinfection, age resistance

Migration, Parasite
Brugia pahangi, levels of migration and exsheathment of microfilariae in species of Aedes scutellaris complex as indicators to distinguish between refractory and susceptible mosquitoes

Migration, Parasite
Panin, V. I.; and Kisemaeva, G. Kh., 1971, Parazitologiia, Leningrad, v. 5 (4), 330-334
Eurytrema pancreaticum, migratory route and morphogenesis in rabbits and goats

Migration, Parasite
Parajamo, W., 1973, Sains Malaysiana, v. 2 (2), 83-89
Ascaris suum, mice (exper.), larval migration pattern
Migration, Parasite
Pellegriino, J.; and Coelho, P. M. Z., 1978, J. Parasitol., v. 64 (1), 181-182
Schistosoma mansoni, mice with single worm-pair infections, oogram scanning, schematic distribution of first-stage eggs along host intestine, results confirm that female lays about 300 eggs per day, wide distribution reflects remarkable wandering capacity of schistosome pairs, findings support value of oogram method for drug screening purposes.

Migration, Parasite
Schistosoma mansoni larvae, migration in albino mice

Migration, Parasite
Angiostrongylus cantonensis in germfree and conventional mice, establishment and migration, packed cell volume and differential white blood cell counts, in neither hosts did parasites reach maturity

Migration, Parasite
Radlett, A. J., 1979, Parasitology, v. 79 (3), 411-416
Notocotylus attenuatus, in domestic fowl, in vivo excystation of metacercariae, intra-caecal growth and movement of worms, attachment of juvenile worms to host's caecum

Migration, Parasite
Rusak, L. V., 1974, Parazitologiia, Leningrad, v. 8 (2), 109-111
Hymenolepis nana, young and adult worms, changes in localization in intestine of white mice in course of a day

Migration, Parasite
Sharma, B. N.; and Sahai, B. N., 1979, Indian J. Animal Sc., v. 49 (3), 244-245
Setaria digitata, rabbit (exper.), histopathological alterations in host intestine as a result of migration of transplanted worms from cattle or buffalo

Migration, Parasite
Hymenolepis nana, rats experimentally infected with eggs, occurrence of migration to mesenteric lymph nodes (with development to young adults) and liver (cysticercoids found)

Migration, Parasite
Enterobius vermicularis, human, ovarian parasitic granuloma thought to result from the erratic migration of an adult female worm, case report: Panama

Migration, Parasite
Ophidascaris spp., Amplicaeum robertsi, review of speciation, development, and geographic distribution with particular reference to migratory behavior and growth in tissues of experimentally infected mice and pythons

Migration, Parasite
Parascaris equorum, migratory pathway in pony foals (exper.), pathology (clinical signs, hematologic observations, gross and microscopic changes)

Migration, Parasite
Stromberg, P. C.; and Dubey, J. P., [1979], J. Parasitol., v. 64 (6), 1978, 998-1002
Paragonimus kellicotti, life cycle in cats (exper.): migration, development, growth, maturation, distribution in lungs, egg production

Migration, Parasite
Paragonimus peruvianus, rats, cats, route of larval migration

Migration, Parasite
Ancylostoma braziliense, A. ceylanicum, A. caninum, comparative study of path of migration in skin of dog and speed of penetration

Migration, Parasite
Ancylostoma braziliense, dogs, penetration and path of migration in skin

Migration, Parasite
Wheatier, P. R.; and Wilson, R. A., 1979, Parasitology, v. 79 (1), 49-62
Schistosoma mansoni, route and timing of migration in mice, quantitative histological techniques; histopathology of host response during migration

Migration, Parasite
Williams, H. H.; McVicar, A. H.; and Ralph, R., 1970, Symposia Brit. Soc. Parasitol., v. 8, 43-77
fish helminths, host specificity, body shape and orientation within host gut, habitat specificity and migrations within gut, host alimentary canal physiology

Migration, Parasite
Wilson, P. A. G., 1979, Parasitology, v. 79 (1), 29-38
Strongyloides ratti, tracking radioactive larvae in virgin female rats, nursing mothers, and suckling pups
Migration, Parasite
Wilson, P. A. G.; Cameron, M.; and Scott, D. S., 1978, Parasitology, v. 76 (2), 221-227
Strongyloides ratti, virgin rats at different stages of oestrous cycle, no differences in mean intestinal worm burden, thus changes in hormonal environment of migrating larvae did not alter worms' destination or affect their potential for development, other possible sources of variability in experimental infections, 'exact dose' technique as corrective for some procedural errors

Migration, Parasite
Wilson, R. A.; et al., 1978, Parasitology, v. 77 (1), 57-73
Schistosoma mansoni in mice, activity patterns and changes in body shape of schistosomula recovered from various locations during migration from skin to hepatic portal system, comparisons with schistosomula transformed and cultured in vitro

Military medicine. See Medicine, Military.

Mines. See Occupational diseases.

Missouri. See United States, Missouri.

Mitochondria
Trichinella spiralis, larval, respiratory enzymes in mitochondria, results suggest conventional respiratory pathway may operate

Mitochondria
Trypanosoma cruzi, tricarboxylic acid cycle operation at kinetoplastmitochondrion complex: effect of ethidium bromide on growth and cytochrome content, substrate oxidation by dyskinetoplastic and cytochrome-deficient epimastigotes

Mitochondria
Spirometra mansonioides adults, "malic" enzyme, fumarate reductase, and transhydrogenase systems in mitochondria

Mitochondria
Hayashi, E.; et al., 1976, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 25 (3), 199-204
Ascaris lumbricoides suum ovary and muscle mitochondria, electron transfer and phosphorylation activities

Mitochondria
Ishikawa, M.; and Yamada, K., 1977, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 26 (2), 91-97
Ascaris suum, epithelial cells lining esophagus-foregut connection, pronounced mitochondrial response to carbon dioxide, possible cytophysiological function as cells of anaerobic respiration

Mitochondria
Koehler, P.; Bryant, C.; and Behm, C. A., 1978, Internat. J. Parasitol., v. 8 (6), 491-500
Fasciola hepatica, ATP synthesis in succinate decarboxylase system from mitochondria, inhibition in vitro by mebendazole and a soluble derivative of cambendazole

Mitochondria
Komuniecki, R.; and Saz, H. J., 1979, Arch. Biochem. and Biophys., v. 196 (1), 239-247
Ascaris, purification of lipoamide dehydrogenase from muscle mitochondria and its relationship to NADH:NAD+ transhydrogenase activity

Mitochondria
Martin, E.; and Mukkada, A. J., 1979, J. Biol. Chem., v. 254 (23), 12192-12198
Leishmania tropica promastigotes, identification of terminal respiratory chain in kinetoplast-mitochondrial complexes

Mitochondria
Trypansoma equiperdum, characterization of molecular components in kinetoplast DNA of wild strain vs. mitochondrial DNA of dyskinetoplastic strain

Mitochondria
Hymenolepis diminuta, biochemical properties of peroxidase activity in mitochondria

Mitochondria
Sharma, P. N., 1978, Indian J. Exper. Biol., v. 16 (II), 1202-1203
Ceylonocotyle scoliocoelium, monoamine oxidase, histochemical localization in lymphatic system, enzyme activity recorded in form of granules which represent mitochondria

Mitochondria
Theileria annulata, atypical mitochondria identified by ultracytochemical demonstration of mitochondrial marker enzymes, presence of both succinic dehydrogenase and cytochrome oxidase activity suggests that respiratory chain is operative in sporozoites

Mitochondria
Weik, R. R.; and John, D. T., 1979, J. Parasitol., v. 65 (5), 700-708
Naegleria fowleri, cell and mitochondria respiration

Mitosis
Trichomonas vaginalis, morphology, structural changes during division, action of colchicine on ultrastructure, optic and electron microscopy
Mitosis
Cachon, J.; and Cachon, M., 1979, Arch. Protozoitenk., v. 122 (3-4), 267-274
Apodinium [sp.], morphology, singular kinetochore structure

Mitosis
Gicquaud, C. R., 1979, Biol. Cell., v. 35 (3), 305-312
Entamoeba histolytica, nuclear ultrastructure, mitosis

Mitosis
Trypanosoma cyclops, mitosis, ultrastructure

Mitosis
Nippostrongylus brasiliensis-infected rats, epithelial cell mitosis and morphology in worm-free regions of intestines, results show that changes are not due to mechanical action of parasites but to metabolic or other substances passing down intestinal tract and acting upon zones of proliferation, no change in rate of mitosis in esophagus or convoluted kidney tubules

Mixed infections
Aitken, M. M.; et al., 1978, J. Comp. Path., v. 88 (3), 433-442
Fasciola hepatica, effects of intravenous Salmonella dublin on cattle at different stages of fluke infection, susceptibility to S. dublin, possible serious effects

Mixed infections
Aitken, M. M.; et al., 1978, J. Comp. Path., v. 88 (4), 555-562
Fasciola hepatica, effects of flukes on response of rats to Salmonella dublin (lethal dose reduced; excretion of S. dublin enhanced and prolonged; infection persisted longer) were similar to those in cattle; similar effects not produced by Nippostrongylus brasiliensis

Mixed infections
Aitken, M. M.; et al., 1979, Research Vet. Sci., v. 27 (3), 300-312
Fasciola hepatica-infected and non-infected cattle, immune responses to Salmonella dublin, Brucella abortus, and ovalbumin

Mixed infections
Leishmania mexicana, L. tropica major, lesion growth in mice was markedly inhibited by concurrent Trypanosoma brucei infections, possible mechanisms, may or may not have immunological basis

Mixed infections
Minchinia nelsoni (MSX), interaction with fungus pathogen Dermocystidium marinum, oysters, MSX prevents D. marinum from becoming epizootic

Mixed infections
Ata, A. A.; et al., 1978, Egypt. J. Bilharz., v. 4 (1), 1977, 47-51
bilharzial patients, presence of Australia antigen (specific marker for presence of viral hepatitis), latex agglutination test: endemic medical unit, Cairo University

Mixed infections
Au, A. C. S.; and Ko, R. C., 1979, Ztschr. Parasitenk., v. 59 (2), 161-168
Trichinella spiralis, Angiostrongylus cantonensis, cross-resistance in laboratory rats

Mixed infections
experimental reproduction of necrotic enteritis in chicks with mixed infections of Clostridium perfringens and coccidia

Mixed infections
human cutaneous leishmaniasis with concomitant leprosy, 8 case reports: Addis Ababa Leprosy Hospital, Ethiopia

Mixed infections
Bassily, S.; et al., 1979, J. Trop. Med. and Hyg., v. 82 (11-12), 248-251
schistosomiasis, human decompensated hepatosplenic, association with chronic hepatitis B antigenaemia

Mixed infections
Trichinella spiralis, delayed expulsion in mice concurrently infected with Nematospiorides dubius

Mixed infections
Taenia solium, widely disseminated calcified cysticerci in man with active bilateral tuberculosis, clinical aspects, case report: India

Mixed infections
Buck, A. A.; et al., 1978, Tropenmed. u. Parasitol., v. 29 (1), 61-70
human poly-parasitism, epidemiological and ecological features, occurrence, frequency, and distribution of multiple infections in rural communities, age and sex patterns: Chad; Peru; Afghanistan; Zaire

Mixed infections
Buck, A. A.; et al., 1978, Tropenmed. u. Parasitol., v. 29 (2), 137-140
human poly-parasitism, types of combinations, relative frequency, and associations of multiple infections, age and sex patterns: Chad; Peru; Zaire

Mixed infections
Buck, A. A.; Anderson, R. I.; and MacRae, A. A., 1978, Tropenmed. u. Parasitol., v. 29 (2), 145-155
poly-parasitism interferes with immunodiagnostic tests both directly and indirectly, examples and implications for epidemiological studies
Mixed infections
Buck, A. A.; Anderson, R. I.; and MacRae, A. A., 1978, Tropenmed. u. Parasitol., v. 29 (3), 253-268
polyparasitism, humans, epidemiology, assessment of combined effects of multiple infections on an individual's state of health, comparative analysis of field data obtained from several tropical villages

Mixed infections
Burden, D. J.; et al., 1978, Research Vet. Sci., v. 25 (3), 302-306
Fasciola hepatica, Ostertagia ostertagi, concurrent daily infection of calves, F. hepatica had little influence on size and structure of O. ostertagi worm population or vice versa; no evidence of clinical disease, no difference in weight gain compared to singly infected calves

Mixed infections
effect of Taenia hydatigena infection on existing and concurrent infections of Fasciola hepatica in sheep

Mixed infections
Campbell, W. C.; Blair, L. S.; and McCall, J. W., 1979, Exper. Parasitol., v. 47 (3), 327-352
Brugia pahangi, Dirofilarias, humans, pathogenesis, in the experimental infection, muscle worm burdens were higher in mice previously infected with T. brucei; no evidence of clinical disease, no difference in weight gain compared to singly infected calves

Mixed infections
Schistosoma mansoni, human, infection of lung complicating case of pulmonary cryptococcosis

Mixed infections
Christie, P. R.; Wakelin, D.; and Wilson, M. M., 1979, Parasitology, v. 78 (3), 323-330
Trichinella spiralis, Hymenolepis diminuta, rats, concurrent infections, cestode growth was stunted (dependent on relative timing of the 2 infections and on number of Trichinella administered) probably due to non-specific inflammatory component of host response to Trichinella, no loss of cestode nor destruction

Mixed infections
Toxoplasma gondii, Trichinella spiralis, concurrent infections in mice, intestinal worm burdens, muscle worm burdens, worm fecundity, resistance to newborn larvae, small bowel pathology, muscle inflammation, eosinophil levels, numbers of toxoplasma cysts in brain

Mixed infections
S[chistosoma] mansoni, humans, factors related to development of clinical forms: clinical-epidemiological classification, clinical manifestations, related enterobacterial infections, decompensating pathologic findings

Mixed infections
Cox, F. E. G., 1977, Protozoology, v. 3, 129-134
Trypanosoma musculi, T. b. brucei, Babesia microti, mice, interactions between parasites

Mixed infections
Debray, C.; et al., 1975, Semaine Hop. Paris, v. 51 (45), 2735-2737
Fasciola hepatica, echinococcosis, man, mixed infection, case report

Mixed infections
Schistosoma haematobium, Ancylostoma duodenale, higher frequency of hepatitis B antigen in persons with parasitic infections than in controls, possible role of skin penetrating parasites in the epidemiology of hepatitis B

Mixed infections
Trichomonas vaginalis associated with candidiasis, women with vaginal infections, clinical trials with klon-D vaginal preparations: Hungary

Mixed infections
Doroshenko, K. G.; and Rogozenko, G. P., 1976, Terap. Arkh., v. 48 (12), 48-52
Opisthorchiasis associated with brucellosis, humans, diagnosis, clinical aspects, importance of early treatment of parasitic infection, case reports
Mixed infections
Eimeria tenella, gnotobiotic chickens, mepron suppressed bacterial numbers in absence of Eimeria, prevented increase in bacterial numbers in presence of Eimeria

Mixed infections
Trichomonas vaginalis, Bodo urinarius, growth in presence of various bacteria and fungi, possible implications

Mixed infections
S[chistosoma] mansoni, humans, pathology, presence of bacteria, possible role in pathogenesis of parasitic infection

Mixed infections
Stephanofilaria kaeli, cattle, incidence in different ecological areas, role of Staphylococcus aureus and S. albus in setting up the inflammation; neguvon: malayischen Halbinsel

Mixed infections
Stephanofilaria kaeli in cattle, prevalence, temperature and humidity in endemic areas favor vectors, Staphylococcus play important role in setting up inflammation, treatment with neguvon gave excellent results: west coast of Peninsular Malaysia

Mixed infections
S[chistosoma] mansoni-infected humans also infected with typhoid fever, atypical aspects of bacterial infection, niridazole at times cured typhoid, schistosomes may act as foci of bacteria within host

Mixed infections
S[chistosoma] mansoni, human infections, associated prolonged infection with salmonellosis, suggests that schistosomes may operate as reservoirs for the multiplication of the Salmonellae, mixed infections cured by use of the antischistosomal drug (niridazole) alone

Mixed infections
Fuxa, J. R., 1979, J. Invert. Path., v. 33 (3), 316-323
Vairimorpha necatrix, interactions with bacterium, virus, and fungus in Heliothis zea (exper.)

Mixed infections
Gadzhiev, K. Sh., 1978, Veterinaria, Moskva (11), 67
B[abesia] colchica, cattle, course of infection simultaneous with Pasteurella multocida infection: Azizbekov Shamkhorsk region, Azerbaidzhansk SSR

Mixed infections
partial suppression of Plasmodium gallinaceum and P. vivax in Aedes aegypti and Anopheles stephensi doubly infected with Nosema algerae and Plasmodium, epidemiological significance

Mixed infections
Entamoeba histolytica, 17-year-old boy, acute diarrhea, concomitant infection with 2 Shiella strains, history, management, clinical course: Louisianan

Mixed infections
Hair, J. D.; and Holmes, J. C., 1975, Acta Parasitol. Polon., v. 25 (12-25), 253-269
usefulness of measures of diversity, niche width, and niche overlap in analysis of helminth communities in waterfowl, data suggest hypothesis that intestinal helminth fauna of Aythya affinis (particularly hymenolepidids) is composed of chance combination of ecological specialists whose microhabitats and populations are determined in part by inter-specific interactions

Mixed infections
Haltere, R. J.; et al., 1975, Acta Parasitol. Polon., v. 120 (10), 513-525
Paragonimus spp., experimental mixed infections, development and interspecific relationships in final host (dog, cat, or rat)

Mixed infections
Howard, R. J.; et al., 1978, Parasitology, v. 77 (3), 273-279
Trichinella spiralis, mice, effect of concurrent infection on survival and growth of Hymenolepis microstoma depends greatly on relative timing of the infections

Mixed infections
Indermuehle, N. A., 1978, Schweiz. Arch. Tierh., v. 120 (10), 513-525
endoparasites, pigs, origin and age of host, mixed infections, parasitological and histopathological findings: Switzerland
Mixed infections
Schistosoma mansoni in snail host

Mixed infections
Neoplectana carpocapsae, greater mortality of insect hosts in presence of mixed fungal infections

Mixed infections
Neoplectana carpocapsae adversely affects Apanates militaris when the nematode invades Pseudaelia unincupta before the parasitoids complete their development and are ready to emerge from the host, possible implications for use of N. carpocapsae as biological control agent of P. unincupta

Mixed infections
Neoplectana carpocapsae, development and reproduction in healthy and virus-infected Pseudaelia unincupta; confirmation of presence of virus in intestine of nematodes, possibly useful in pest-management systems

Mixed infections
intestinal helminths of Clethrionomyse glareolus, inter-specific relationships within one host individual (antagonistic, indifferent, beneficial), seasonal variations: Poland

Mixed infections
human Trypanosoma cruzi and S[chistosoma] mansoni, statistics of prevalence survey of single and mixed infections; evaluation of area control programs: município de Uniao dos Palmares, Alagoas

Mixed infections
Schistosoma mansoni-Toxoplasma gondii concomitant infections, mice, Schistosoma-Toxoplasma order of infection caused massive mortality, great weight loss and striking splenomegaly, Toxoplasma-Schistosoma order caused few notable effects

Mixed infections
Komakov, V. S.; and Latskov, V. I., 1976, Terap. Arkh., v. 48 (5), 130-132
opisthorchiasis, lambliasis, and chronic throat infection associated with infectious-allergic form of myocarditis, 26-year-old man, case report

Mixed infections
Kropp, K. A.; Cichocki, G. A.; and Bansal, N. K., 1978, J. Urol., v. 120 (4), 480-482
Enterobius vermicularis, girls with recurrent urinary tract infections found to have higher incidence of enteric organisms on the introital areas and pinworm ova on anal skin than did normal controls, conclusive relationships not proved

Mixed infections
Dionchus agassizi, D. remorae, anatomy, development, rate of parasitism on Echinonis naucrates, distribution of adults and egg clusters on gills: golfe de Tunis; golfe de Gabes

Mixed infections
Heligmosomoides polypyrus-infected mice, modifications in sensitivity to Salmonella abortus ovis challenge (more frequently infected after oral inoculation, lower fatality rate after sub-cutaneous inoculation)

Mixed infections
Ascaridia galli, volatile fatty acids, composition, effects on Eimeria tenella infection in chickens

Mixed infections
Pulicidae and other ectoparasites on dogs, survey, frequent mixed infections: Belo Horizonte and neighboring townships of Minas Gerais

Mixed infections
McDougald, L. R.; Karlsson, T.; and Reid, W. M., 1979, Avian Dis., v. 23 (4), 999-1005
coccidiosis, chickens (exper.), natural outbreak of infectious bursal disease (IBD) during comparison of anticoccidials for their effect on development of immunity, interaction between diseases, immunity to coccidiosis not blocked by IBD

Mixed infections
competition of Chaetogaster limnaei and S[chistosoma] mansoni in snail host

Mixed infections
Trypanosoma theileri, cattle, frequent mixed infection with enzootic bovine leukosis, no correlation between diseases but common arthropod vector hypothesized: Belgium

Mixed infections
Haemonchus contortus chemically terminated or concurrent with Nematodirus battus in lambs lowered reproductive capacity and inhibited development of N. battus, results consistent with density-dependent physico-pharmacological mechanism of population control involving changes in host alimentary physiology (abomasal pH and Na concentration)
Mixed infections
S[chistosoma] mansoni and septicemic salmonellosis, mixed human infection, both infections cured by hycanthone

Mixed infections
Plasmodium falciparum, man, associated Salmonella bacteremia, death due to malarial cerebral edema, infected during conducted tourist trip to Gran Canaria and Gambia: Denmark

Mixed infections
Ascozystis barretti does not seem to be mechanism for dispersal of La Crosse virus infection via Aedes triseriatus larvae nor does concomitant parasite infection increase virus infection in larvae

Mixed infections
Sphaerospora carassii, carp and grass carp, incidence, pathology, moderately pathogenic, concurrent infection with Trichodina or other infections may depress host resistance and cause fatalities: pond farms, Hungary

Mixed infections
Moubel, R.; and Wakelin, D., 1979, Exp. Parasitol., v. 47 (1), 65-72
Trichinella spiralis, Strongyloides ratti, immune interaction in adult rats, may involve interplay of cross-immunity and cross-suppression

Mixed infections
Schistosoma mansoni and Angiostrongylus cantonensis in Biomphalaria glabrata (exper.), interaction, effect on cercarial emission as related to timing of infections

Mixed infections
children with syndrome of enlarged parotids, localized forehead edema, heavy infestation with Ascaris lumbricoides, and unusual freedom from malaria, piperazine treatment of ascariasis resulted in attacks of malaria, suppression of malaria may be nutritional consequence of severe ascariasis and may represent ecological balance for optimum co-survival of host and two parasites: Anjouan, Comorroro archipelago

Mixed infections
Giardia lamblia-infected vs. normal human jejunum, presence and frequency of Candida albicans and other fungi

Mixed infections
Narayanan, K.; and Jayaraj, S., 1979, Current Sc., Bangalore, v. 48 (18), 825 [Letter]
mixed infections of Nosema sp. and virus in Pericallia ricini and Spodoptera litura: India

Mixed infections
Nielsen, K.; et al., 1978, Experientia, v. 34 (1), 118-119
Trypanosoma lewisi-infected or decomplemented rats, increased on susceptibility to Salmonella typhimurium infection; decomplemented rats subsequently infected with T. lewisi developed higher blood parasitemia than did normal T. lewisi-infected rats

Mixed infections
Nikol'skii, S. N.; Nikiforenko, V. I.; and Pozov, S. A., 1977, Veterinariia, Moskva (4), 71-75
Piroplasma jakimovii, cattle, morphological and biological comparison with P. bigeminum, epizootiology (Ixodes ricinus as main vector; frequent association with leptospirosis), treatment: Siberia

Mixed infections
Nikulin, T. G.; Shpak, G. E.; and Savchenko, V. F., 1977, Veterinariia, Moskva (10), 80-81
Balantidiasis, oesophagostomiasis, mixed infection in swine (exper.), changes in carbonic anhydrase and alkaline phosphatase activities

Mixed infections
S[chistosoma] haematobium, course of liver disease in bilharzial patients infected with acute viral hepatitis as compared to non-bilharzial controls

Mixed infections
Demodex folliculorum bovis, cattle, clinical observations and gross pathology, histopathology, concomitant infections with Dermatophilus congolensis and Besnoitia besnoiti: Nigeria

Mixed infections
Elmeria acervulina, E. tenella, chickens, effect of single vs. repeated vs. successive infections of mixed species on manifestation of symptoms, food intake and body weight gain, and oocyst production

Mixed infections
Diorchis, 3 spp. in Fulica atra, distribution within host intestine in single and mixed infections of differing intensity

Mixed infections
Schistosoma mansoni, case report of man with portal hypertension resulting from schistosomiasis, mixed infection with salmonellosis, congenital anomaly of situs inverter, unique combination: Sudan
Mixed infections

Fasciola hepatica, cattle (biliary canal), isolation of 3 mycobacteria strains: Cluj abattoir, Rumania

Mixed infections

mixed Schistosoma mansoni and S. bovis infection in Sudanese immigrant (stooll), case report, significance in relation to current concepts on heterologous immunity discussed, infection possibly acquired from drinking river water frequented by wild animals: Uganda

Mixed infections

Ovchinnikov, N. M.; et al., 1978, Vestnik Dermat. Venerol. (4), 16-21
Trichomonas vaginalis, survival of gonococci within phagosomes of parasite suggests T. vaginalis as possible reservoir for infections; various therapeutic trials used to treat mixed infections

Mixed infections

Necator americanus, Ancylostoma duodenale, species identification based on egg size and/or morphology of infective larvae, method of calculating proportions of each species in mixed infections: Nigeria

Mixed infections

Schistosoma mansoni, man, case report, hepatointestinal schistosomal infection with splenic involvement, complicated by cold tubercular abscess of the spleen: France (native of Martinique)

Mixed infections

Brugia timori, Wuchereria bancrofti, mixed infection, experimental feeding of mosquitoes on carrier to determine potential vectors

Mixed infections

Schistosoma mansoni, observations on oxamniquine therapy: treatment of children, drug resistance of human strain as well as its resistance to hycancrine, hepatic histopathology during therapy, neurotoxic effects, treatment of mixed salmonellosis infection

Mixed infections

Ponce, B. P.; and Meinzer, W. P., 1979, Internat. J. Parasitol., v. 9 (4), 339-344
helminth fauna of Canis latrans, low similarity with those from other geographic regions in North America, associations between pairs of species in terms of frequency of occurrence, mean levels of infection in presence or absence of other species, host age and sex effects: West Texas

Mixed infections

Percss, K.; et al., 1979, Brit. J. Vener. Dis., v. 55 (6), 429-431
prevalence of micro-organisms in female genital tract, comparison in women from 2 health clinics; Trichomonas vaginalis had epidemiology similar to Chlamydia, Neisseria and Mycoplasma, older women had increased susceptibility to trichomoniasis

Mixed infections

Pilley, B. M., 1976, J. Invert. Path., v. 28 (2), 177-183
Vairimorpha necatrix [n. comb.] in Spodoptera exempta, pathogenicity (occurrence of bacteriosis and cytoplasmic polyhedrosis virus), life cycle (disporoblasic life cycle at 25°C and both disporoblasic and octosporoblastic life cycle at 20°C), implications of polymorphism in relation to classification of Microsporida

Mixed infections

Trypanosoma cruzi, T. rangeli, single and mixed infections, epidemiologic survey of area infested with Rhodnius prolixus: Departamento Francisco Morazan, Honduras

Mixed infections

Onchocerciasis in districts with and without high prevalence, prevalence of lepromatous leprosy about twice as high in areas where onchocerciasis is hyperendemic, reduced level of immunity because of onchocerciasis: Republic of Upper Volta, West Africa

Mixed infections

Trichinella spiralis in conventional mice and in germfree mice also infected with Staphylococcus epidermidis (alone or associated with Escherichia coli), numbers of established intestinal trichinellae, time of their expulsion, packed cell volumes, and white blood cell counts, results indicate that size of infective dose, age of mice, and type of intestinal flora play role in course of experimental trichinosis

Mixed infections

Trichinella spiralis, conventional and bi-associated (with Staphylococcus epidermidis and Escherichia coli) mice, carbohydrate metabolism in livers and intestines, metabolite levels, enzyme activities

Mixed infections

Balantidium coli, Yanomama Indian, serious dysentery, case report, Ascaris lumbricoides and Trichuris trichiura also present, chlorotetacycline, improved condition: Toototobi, norte do Estado do Amazonas, Brazil
Mixed infections
Reid, H. W.; et al., 1979, Infect. and Immun., v. 23 (2), 192-196
Trypanosoma brucei, mice, effect of chronic infection on course of looping-infection in vivo, results indicate that immunosuppressive effect of chronic trypanosomiasis may markedly increase susceptibility to acute virus infection and may alter epidemiology of arthropod-transmitted viruses

Mixed infections
Schistosoma mansoni, growth of Salmonella typhi in parasitized mice

Mixed infections
Schistosoma mansoni-infected and uninfected mice injected with S. (salmonelela) typhimurium, phagocytic function of reticulo-endothelial cells compared

Mixed infections
Rogozenko, G. F.; and Doroshenko, K. G., 1979, Sovet. Med., v. 18 (27-41), 377-382
Opisthorchis as concomitant infection provoked exacerbations and relapses of human chronic brucellosis with more pronounced and longer lasting clinical symptoms

Mixed infections
Balantidium coli, effect of various bacteria on propagation in vitro, on erythropagocytic capability of balantidium, and on susceptibility of balantidium to atebine, entobex, mexitril, form, and protargol; Trichomonas hominis, Chilomastix mesnili, and Dientamoeba fragilis found to be without effect; effect of balantidia on bacteria

Mixed infections
Ryning, F. W.; and Mills, J., 1979, West. J. Med., v. 130 (1), 18-34
Pneumocystis carinii and Toxoplasma gondii in normal and compromised host, special reference to concomitant infection with cytomegalovirus, general review

Mixed infections
Scalise, G.; et al., 1979, J. Med. Primatol., v. 7 (2), 114-118
Plasmodium inuii-infected Macaca mulatta had enhanced susceptibility to hepatitis B virus

Mixed infections
Entamoeba histolytica in pet Lagothrix (ileum), mixed infection with Salmonella, pathology: Saskatoon, Canada

Mixed infections
Schottelius, J., 1977, Tropenmed. u. Parasitol., v. 28 (4), 533-538
Trypanosoma cruzi, course of infection in non-splenectomized SPF rats with and without Haemobartonella muris infection

Mixed infections
Dirofilaria immitis, dogs, complication of interstitial nephritis: Tokyo and Tokyo area

Mixed infections
Entamoeba histolytica, intrabiliary inoculation in Cricetus auratus of human strain associated with Blastocystis hominis, liver abscess, diagnosis, results demonstrate the tissue adaptability of B. hominis and its potential as a conditioned pathogen

Mixed infections
Entomopathogens, including Microsporidia and Nematoda, interactions in mixed infections in one insect organism, review

Mixed infections
Cryptosporidium [sp.] in Arabian foals with inherited combined immunodeficiency, mixed infection with adenovirus, difficult to separate effects of both disease agents: Colorado State University

Mixed infections
Sreemannarayana, O.; and Christopher, K. J., 1977, Indian J. Animal Health, v. 16 (2), 188
combined infection of Cysticercus bovis and sarcosporidiosis, bullock: slaughter house, Guntur, Andhra Pradesh, India

Mixed infections
Stone, L. E.; and Pence, D. R., 1978, J. Parasitol., v. 64 (2), 295-302
helminth parasitism of Felis rufus, nature, prevalence, intensity, ecological relationships of parasitism including concentration of dominance, similarity of helminth faunas between different geographic areas, and nature of distributions of aggregations of helminth species in this host: Rolling Plains of West Texas

Mixed infections
Schistosoma mansoni with associated chronic salmonellosis, case reports of 2 patients with nephrotic syndrome who responded poorly to therapy, renal biopsies demonstrated amyloidosis: Egypt

Mixed infections
infection of pigs with Oesophagostomum str. does not affect specificity of ELISA (enzyme-linked immunosorbent assay) test for presence of antibody to Trichinella spiralis; cross-reactions between nematodes need not under most conditions be taken into account in interpretation of ELISA results

Mixed infections
de-The, G.; et al., 1978, Nature, London (5673), v. 274, 756-761
epidemiological evidence for causal relationship between Epstein-Barr virus and Burkitt's lymphoma from Ugandan prospective study, includes brief mention of possible association with malaria
Mixed infections

Toshkov, A.; et al., 1978, Ztschr. Parasitenk., v. 55 (1), 49-54
Trichinella spiralis in rats (exper.) infected 20 days later with Erysipelothrix rhhusiopathiae, clinical and pathoanatomic changes in joints, immunological features

Mixed infections

Helminths of liver, sheep, 5 year post-mortem survey, occurrence, mixed infections: Bourgas

Mixed infections

Vaes, M., 1979, Ann. Parasitol., v. 54 (3), 303-312
Multiple infection of Hydobia stagnator with larval trematodes, interactions between parasite species: north of Belgium

Mixed infections

Syphacia obvelata-infected mice challenged intracereally with Entamoeba histolytica trophozoites showed higher level of amoebic infection than mice without helminths, mice with heaviest helminth infection were most susceptible to amoebic infection

Mixed infections

Wagner, E. D.; and Nembhard, P. A., 1976, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 25 (1), 1-4
Trypanosoma equiperdum, mice, protective and synergistic effects of concurrent infection with Trichinella spiralis

Mixed infections

Walter, J. C., 1979, Internat. J. Parasitol., v. 9 (2), 137-140
Austrobihariza terrigalisensis in Velacumants australis is always associated with germinal sacs of other trematodes and retards the development of these other species

Mixed infections

Weiss, N., 1978, Exper. Parasitol., v. 64 (2), 283-299
Dipetalonema viteae in 2 strains of hamster, lymphocyte blastogenesis (during different stages of primary infection, after injection of dead larvae, after implantation of adult worms, in mixed infection with Schistosoma mansoni), attempt to relate results with parasitological findings and with humoral immune response, analysis of cellular responsiveness to filarial antigens in chronically infected LAKZ hamsters

Mixed infections

Feeding of Pleistophora schubergi to Choristoneura fumiferana naturally infected with Nosophoma fumiferanae results in greater adverse effects on budworms than either parasite alone, may play useful role in biological control

Mixed infections

Yousif, F.; and Laemmmer, G., 1977, Ztschr. Parasitenk., v. 54 (3), 269-274
Angiostrongylus cantonensis infection of Biomphalaria glabrata had no inhibitory or retarding effect on subsequent Schistosoma mansoni infection

Mode of drug action. See Drugs, Mode of action.

Models, Disease models. See Technique, Experimental hosts.

Models, Laboratory hosts. See Technique, Experimental hosts.

Models, Mathematical. See Mathematical models and theory.

Models, Theoretical. See Mathematical models and theory.

Moisture. See Humidity.

Moulting. See Ecdysis.

Monoclonal antibodies. See Immunity, Monoclonal antibodies.

Morocco

Catalogue of ticks of Morocco

Morocco

Parasitic nematodes, sheep (digestive tube), quantitative parasitic profile established after logarithmic transformation of information: Moulay-Bouazza district (Moyen-Atlas du Maroc) (Trichostrongylus; Nematodirus; Cooperia; Oesophagostomum; Chabertia; Trichuris; Ostertagia)

Morphogenesis. See Development; Morphology.

Morphology. See also Cytology; Dimorphism; Histology; Measurements; Polymorphism; Variation

Morphology, Acanthocephala

Barabashova, V. N., 1971, Parazitologiya, Leningrad, v. 5 (5), 446-454
8 species of Acanthocephala, integument, structure and function, histological and histochemical investigations

Morphology, Acanthocephala

Buckner, R. L.; and Nicol, B. B., 1979, J. Parasitol., v. 65 (1), 161-166
Fessisentis, 4 species differ in several characters not obscured by geographical or host-induced morphological variations; F. fessus, confirmation of life cycle

Morphology, Acanthocephala

Moniliformis dubius, larval morphogenesis in Periplaneta americana, effect of temperature, season, photoperiod, and elevated temperature stress, morphological anomalies

Morphology, Acanthocephala

Moniliformis moniliformis, muscles of male reproductive system

Morphology, Acanthocephala

Moniliformis moniliformis, anatomy of genital ganglion of male
Morphology, Acanthocephala

Golubev, A. I.; and Sal'nikov, V. V., 1979, Tsentrikh. Nauk, v. 71 (3), 3-20

Echinorhynchus gadi and Macracanthorhynchus hirudinaceus, light microscopy of larval and adult stages

Morphology, Acanthocephala

Graeber, K.; and Vendriani, 1979, Ztschr. Parasitenk., v. 53 (2), 121-135

Echinorhynchus gadi, Acanthocephala morphology, light microscopy of larval and adult stages

Morphology, Acanthocephala


Neoechinorhynchus agilis, flagellar development, ultrastructural studies

Morphology, Acanthocephala

Marchand, B.; and Mattei, X., 1979, J. Ultrastructure Research, v. 66 (1), 32-39

Neoechinorhynchus agilis, ultrastructural modification of ovarian ball and spermatzoa after insemination of females, role of passive vs. active penetration

Morphology, Acanthocephala


Acanthocephala spp., lacunar system and tubular muscles

Morphology, Acanthocephala

Miller, D. M.; and Dunagan, T. T., 1978, J. Parasitol., v. 64 (3), 436-439

Macracanthorhynchus tortuosa, organization of lacunar system

Morphology, Acanthocephala


Centrorhynchus corvi, oocyte atresia in ovarian balls, morphological and histochemical observations

Morphology, Acanthocephala


Moniliformis moniliformis cystacanth in Periplaneta americana, light microscopy of capsule and relationship to host reveals cellular nature of capsule, host's haemocyte infiltration into cyst fluid, and occasional double cystacanths in single envelopes suggesting host origin of capsule

Morphology, Acanthocephala


Macracanthorhynchus hirudinaceus, body wall muscles, light and scanning electron microscopy, intracellular recording of potentials; Oligacanthorhynchus tortuosa, M. ingenis, light microscopy of body wall muscles

Morphology, Arthropoda


Cedipsylla simplex from Sylvilagus floridanus, intraspecific variations in genital and pronotal combs in male vs. female fleas, implications for effective lodging and survival

Morphology, Arthropoda


fleas of mammals, morphological variations in certain key diagnostic characters, seasonal distribution, sex ratio, host sex: southeastern Wisconsin

Morphology, Arthropoda

Amrane, J. W.; and Lewis, R. E., 1978, J. Parasitology, v. 64 (2), 348-358

Cedipsylla simplex, topography of exoskeleton of head and its appendages, scanning electron microscopy

Morphology, Arthropoda


Amblyomma cajennense, fine structure morphology of chelicerae

Morphology, Arthropoda


Morphology, Arthropoda


Hyalomma asiaticum, Malpighian tubes, electron microscope studies

Morphology, Arthropoda

Barnes, A. M.; and Tipton, V. J.; and Wildie, J. A., 1977, Great Basin Nat., v. 37 (2), 138-206

Anomopsyllus, adult skeletal anatomy

Morphology, Arthropoda

Beadle, D. J.; and Megaw, M. W. J., 1979, Cell and Tissue Research, v. 202 (1), 119-124

Boophilus microplus, intracellular junctions in hypodermis, salivary gland, and Gene's organ

Morphology, Arthropoda


Psoroptes ovis, morphology of mouthparts, mechanism of feeding
Morphology, Arthropoda
Bohmfalk, G. T.; Price, M. A.; and Meola, S. M., 1979, Southwest. Entomol., v. 4 (2), 102-116
Boophilus annulatus, B. microplus, chaetotactic and morphologic comparisons of larvae, light and scanning electron microscopy

Morphology, Arthropoda
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Sacculina granifera infections of Portunus pelagicus, prevalence, host age and sex, seasonal distribution, influence of parasite upon host: morphological and behavioural modifications, inhibited moulting, male sterility: Moreton Bay, Queensland

Morphology, Host
Nippostrongylus brasiliensis-infected rats, epithelial cell mitosis and morphology in worm-free regions of intestines, results show that changes are not due to mechanical action of parasites but to metabolic or other substances passing down intestinal tract and no acting on zones of proliferation, no change in rate of mitosis in esophagus or convoluted kidney tubules

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Morphology, Miscellaneous phyla
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Morphology, Miscellaneous phyla
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Morphology, Miscellaneous phyla
Syndesmis echinorum, description, morphology

Morphology, Miscellaneous phyla
Marsupiobdella africana, morphology, life history, localization, host specificity (Xenopus toads)

Morphology, Miscellaneous phyla
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Morphology, Miscellaneous phyla
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larvae in Aedes togoi is described up to on-
set of 1st cuticular molt

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this may explain lack of cellular reaction
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Morphology, Nematoda
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Morphology, Nematoda
Syngamus trachea female, histology of reproductive organs in various stages of postembryonal development

Morphology, Nematoda
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Morphology, Nematoda
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Morphology, Nematoda
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Morphology, Nematoda
Haemonchus contortus, ovine, fourth stage larvae, inhibited development, morphological aspects, cylindrical crystals in intestinal cells

Morphology, Nematoda
Heterakis gallinarum from Gallus gallus domesticus, variation in number, form and disposition of papilla

Morphology, Nematoda
Haemonchus contortus, 1st, 2nd, and 3rd stage larvae, morphology, measurements

Morphology, Nematoda
Ascaris lumbricoides, pumping mechanism of esophagus

Morphology, Nematoda
Aspiculuris pakistanicus from Rattus rattus, description of cephalic region, buccal capsule, and esophagus, distribution of nuclei in esophagus

Morphology, Nematoda
Equine strongyle, differential diagnosis of third stage larvae

Morphology, Nematoda
Stephanofilaria stilesi, Setaria labiatopapillosa, localization of cholinesterase activity in nervous system

Morphology, Nematoda
Trichocephalus muris, embryonic development in vitro and post-embryonic development in mice described, morphological criteria for recognition of embryo and larval stages of Trichocephalus

Morphology, Nematoda
Setaria spp., scanning electron microscopy

Morphology, Nematoda
Haemonchus contortus utkalensis in goats, vulvar configurations, 17 variants identified among 3 phenotypes, seasonal occurrence in relation to temperature and humidity, order of dominance is knobbed > linguiform > smooth except in July when it is knobbed > smooth > linguiform: Ludhiana, India

Morphology, Nematoda
Haemonchus contortus, morphology, histology, and biochemistry of gut, relationships to nutrition and digestion
Morphology, Nematoda
Trichuris suis, egg-shell, structural and chemical analysis

Morphology, Nematoda
Trichuris muris, Capillaria hepatica, male copulatory apparatus, structure and function, light, scanning and transmission electron microscopy

Morphology, Nematoda
Nematodes, catecholaminergic neurons, histochemical localization, stability in number and position suggests conservatism of morphological and chemical structure of nervous system

Morphology, Nematoda
Heterakis gallinarum, intestinal cells, ultrastructure compared with that of Ascaridia galli

Morphology, Nematoda
Babesia equi, ultrastructure, alterations of parasitized equine erythrocytes

Morphology, Protozoa
Sarcocystis in man, 5 new case reports, review of previous reports, classification into 7 morphological types

Morphology, Protozoa
Trypanosoma cruzi, morpho-biometric and biologic comparisons of 17 strains; results showed no relationships between morphology and pathogenicity of strains studied

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Eimeria brunetti, microgametogony and macrogametogony, ultrastructure

Morphology, Protozoa
Trypanosoma cruzi, scanning and transmission electronmicroscopy of epimastigotes grown in liquid medium

Morphology, Protozoa
Cryptobia catostomi in Catostomus commersoni (blood), division and morphogenesis, explanation for variation in parasite size
Morphology, Protozoa
Trypanosoma cruzi, life cycle in vertebrate and invertebrate hosts, influence of parasite strains, host genetic factors, bacterial flora, and parasite morphology on host susceptibility

Morphology, Protozoa
Trichomonas gallinae, morphology, structural changes during division, action of colchicine on ultrastructure, optic and electron microscopy

Morphology, Protozoa
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Apodinium [sp.], morphology, singular kinetochore structure

Morphology, Protozoa
Entamoeba moskovskii and free-living amoeba of Hartmannella-Naegleria group, ultrastructural comparisons

Morphology, Protozoa
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Eimeria stiedai, peculiarities of fine structure of merozoites

Morphology, Protozoa
Toxoplasma gondii oocysts, process of excystation, light and electron microscopy

Morphology, Protozoa
Leishmania hertigi hertigi, L. h. deanei, ultrastructure of promastigotes, amastigotes and virus-like particles observed within promastigotes; laboratory mammals were poor hosts with infection detectable only by culture, laboratory-bred Lutzomyia longipalpis developed poor infections

Morphology, Protozoa
Schneideria schneiderae in Trichosia pubescens (exper.), entry into and development in cells of intestinal caecum, host cell-symbiont interrelations, metabolic exchanges, symbiotic bacteria in cytoplasm of Schneideria, ultrastructural study

Morphology, Protozoa
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Henneguya adiposa, ultrastructure of plasmodium wall and sporogenesis
Morphology, Protozoa
Myxobolus sp. in Notropis cornutus, spores and various stages of sporogenesis, ultrastructural and cytotoxicological observations

Morphology, Protozoa
Dubey, J. P.; and Mehlihorn, H., 1978, J. Parasitol., v. 64 (4), 689-695
Isospora ohiensis, persistence and structure of extraintestinal stages in tissues of mice inoculated with oocysts, these give rise to stages in dogs that are different from oocyst-induced infection in dogs, discussion of mice as transport vs. intermediate host

Morphology, Protozoa
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Eimeria bovis, schizogony and merogony in cell culture, ultrastructural study

Morphology, Protozoa
Eimeria nieschulzi, structure of three-membranous pellicle, freeze fracture technique

Morphology, Protozoa
Pathogenic and nonpathogenic aerobic free-living amoebae, characterization of cytoplasmic inclusions, cytochemistry and ultrastructure, review

Morphology, Protozoa
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Trypanosoma cruzi, subpellicular microtubules, retrospective analysis of data of Meyer, H.; and de Souza, W., 1976, J. Protozool., v. 23 (3), 385-390

Morphology, Protozoa
Babesia felis in Felis catus (blood), incidence, description of developmental and reproductive forms: Egypt

Morphology, Protozoa
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Trypanosoma congoense, development in Glossina morsitans morsitans, ultrastructure

Morphology, Protozoa
Eimeria brunetti, sporulation of oocysts, development of zygote and formation of sporoblasts, light and electron microscopy

Morphology, Protozoa
Eimeria brunetti, sporulation of oocysts, development into sporocyst, formation of sporozoite, light and electron microscopy

Morphology, Protozoa
Toxoplasma gondii, ultrastructure of sporocyst, initiation of sporozoite formation

Morphology, Protozoa
Toxoplasma gondii, oocyst sporulation, zygote development, sporoblast formation, ultrastructure, light and electron microscopy

Morphology, Protozoa
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Toxoplasma gondii, oocyst sporulation, sporocyst formation, structure of sporocyst wall, ultrastructure

Morphology, Protozoa
Amoeba isolated from trout, ultrastructure, scanning and transmission electron microscopy, appears to be ultrastructurally different from parasite associated with proliferative kidney disease: Italy

Morphology, Protozoa
Trypanosoma cruzi, morphologic characteristics of strain isolated from bat reservoir hosts: area of Sao Paulo

Morphology, Protozoa
Trichomonas vaginalis in human cervical and vaginal exudates, fine structure and acid phosphatase activity, relationship with other cellular elements including phagocytosis and digestion of epithelial cells and bacteria and phagocytosis by macrophages

Morphology, Protozoa
Trypanosoma evansi from cattle and buffaloes, 3 biometric strains described: Philippines

Morphology, Protozoa
Ghiotto, V.; et al., 1979, Exper. Parasitol., v. 48 (3), 447-456
Trypanosoma brucei, morphometric changes and loss of infectivity and of surface coat during transformation of bloodstream forms to procyclic culture forms in vitro

Morphology, Protozoa
Sarcocystis suicanis, pigs (experiment.), ultrastructure and development of sarcocysts in muscle cells, light and electron microscopy

Morphology, Protozoa
Frenkelia, schizonts and merozoites, electron microscopy

Morphology, Protozoa
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Giardia spp. in small mammals, prevalence, morphological and morphometrical studies of trophozoites: southern Ontario
SUBJECT HEADINGS

Morphology, Protozoa
Leucocytozoon toddi from Falconiformes, interspecific and intraspecific variations

Morphology, Protozoa
Encephalitozoon cuniculi, wall structure of sporonts grown in human fibroblasts

Morphology, Protozoa
Malamoea locustae in laboratory bred Locusta migratoria (lumen of malpighian tubules and midgut), structure, effect on malpighian tubules

Morphology, Protozoa
Trypanosoma (T[rypanozoon]) brucei, quantitative ultrastructural composition of various forms in mammalian blood and organs of Glossina vectors investigated morphometrically

Morphology, Protozoa
Trypanosoma brucei, apical part of flagellar pocket, freeze-cleaving and thin-sectioning techniques, possible role of neck region in pinocytosis

Morphology, Protozoa
Isospora lacazei, Carduelis carduelis (ex-per.), life cycle, ultrastructure of intestinal phases

Morphology, Protozoa
Sarcocystis suihominis, pigs (ex-per.), fine structure of schizonts and formation of merozoites within various host organs

Morphology, Protozoa
Isospora canis, fine structure of endogenous stages in dog small intestine

Morphology, Protozoa
Globidian cyst-like bodies containing multinucleate schizonts or merozoites, sheep (abomasum), ultrastructure, merozoite formation, host cell confirmed as being alive and intact: Bonn

Morphology, Protozoa
Didymophyes gigantea, electron microscopy of developmental stages of trophozoite, fine structure of deuteromere, nuclear division, Golgi apparatus

Morphology, Protozoa
Myxidium zealandicum in Anguilla spp., factors affecting size and shape of spores, comparison with M. acinum: Makara Stream, Wellington, New Zealand

Morphology, Protozoa
Hulbert, W. C.; et al., 1977, Canad. J. Zool., v. 55 (2), 438-447
Myxidium zealandicum, fine structure of sporogony and polar capsule development, trophozoite and cyst envelope structures

Morphology, Protozoa
Trypanosoma brucei, electron microscopic study of flagellum-like processes of trypomastigotes in infected mouse blood, thought to be herniation of cellular wall

Morphology, Protozoa
Eimeria stiedai, Eimeria tenella, microspyle and oocyst wall changes associated with chemically-mediated in vitro excystation

Morphology, Protozoa
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Sarcocystis spp. from rodents, ultrastructure of cyst wall: Malaysia

Morphology, Protozoa
Kan, S. P.; and Dissanaike, A. S., 1977, Ztschr. Parasitenk., v. 52 (3), 219-227
Sarcocystis sp., ultrastructure, possible taxonomic relationships

Morphology, Protozoa
Sarcocystis levinee, S. fusiformis, comparative ultrastructure of cyst wall and zoites: Malaysia

Morphology, Protozoa
Sarcocystis sp. from Macaca fascicularis (femoral muscle), ultrastructure of cyst wall and zoites, comparison with Sarcocystis spp. from other monkeys and from moonrat: Malaysia

Morphology, Protozoa
Anaplasma marginale, in vitro cultivation in bovine erythrocytes, growth pattern and morphology

Morphology, Protozoa
Trypanosoma cotti, redescription of parasite in Enophrys bubalis and its development in its leech vector Calliobdella punctata based on Brumpt's original material
Morphology, Protozoa
Haemogregarina sachai from Scaphthalmus maximus. Fine structure of intracellular and extracellular stages.

Morphology, Protozoa
Kirmse, P., 1979, Ztschr. Parasitenk., v. 59 (2), 131-140
Haemogregarina simoni, ultrastructure of developing stages.

Morphology, Protozoa
Sarcocystis hirsuta, cattle, morphology; review of prevalence and distribution.

Morphology, Protozoa
Kocan, A. A.; and Kocan, K. M., [1979], J. Parasitol., v. 64 (6), 1978, 1057-1059
Leucocytozoon ziemanni, elongate gametocytes, fine structure.

Morphology, Protozoa
Komourdjian, M. P.; et al., 1977, Canad. J. Zool., v. 55 (1), 52-59
Myxidium zealandicum, description, histopathology in Anguilla rostrata, spor morphology; St. Lawrence River, near Quebec City and Cornwall.

Morphology, Protozoa
Kinsky, W. L.; and Hayes, S. F., 1978, J. Protozool., v. 25 (2), 177-186
Nosema parkeri, fine structure of sporogenic stages from Ornithodoros parkeri (exper.)

Morphology, Protozoa
Krylov, M. V.; Kostenko, L. A.; and Snigirevskaia, E. S., 1973, Parazitologiya, Leningrad, v. 7 (6), 481-484
Nuttallia musculi, trophozoites, merozoites, fine structure; bacteria-like bodies often found in cytoplasm.

Morphology, Protozoa
Landau, I.; et al., 1979, Ann. Parasitol., v. 54 (2), 145-161
Plasmodium yoelii, gametocytes, morphology, development, infectivity.

Morphology, Protozoa
Plasmodium yoelii, gametocytes, morphological characters as indication of age, infectivity, and periodicity.

Morphology, Protozoa
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Plasmodium falciparum, erythrocytic cycle in vitro, ultrastructure, comparison with in vivo (Aotus trivirgatus) life cycle stages.

Morphology, Protozoa
Pathogenic Acanthamoeba trophozoites, transmission and scanning electron microscopy.

Morphology, Protozoa
Pathogenic and non-pathogenic Acanthamoeba cysts, transmission and scanning electron microscopy.

Morphology, Protozoa
Crithidia luciliae, ultrastructure.

Morphology, Protozoa
Letch, C. A., 1979, Parasitology, v. 79 (1), 107-117
Trypanosoma cobitis should be regarded as a single species of trypanosome from 6 spp. of British fish on basis of morphology, isoenzyme patterns, and cross-transmission (by syringe passage of culture forms and by leech vector Hemiclepsis marginata), specific names T. phoxini, T. elegans, T. barbulae, T. ochracea, and T. langeroni "should be disregarded."

Morphology, Protozoa
Lom, J., 1971, Folia Parasitol., v. 18 (3), 289-293
Eimeria subepithelialis, E. spleni, fish, morphology, walls of oocysts and spores, spore envelopes, electron microscopy.

Morphology, Protozoa
Lushbaugh, W. B.; and Pittman, F. E., 1979, J. Protozool., v. 26 (2), 186-195
Entamoeba histolytica, filopodia, microscopic observations, possible functions.

Morphology, Protozoa
Entamoeba histolytica trophozoites in contact with tissue culture cells with intact cell membranes, transmission electron microscopy of phagocytosis, attachment, endoplasmic streaming, and micropseudopodia.

Morphology, Protozoa
Madden, P. A.; and Vetterling, J. M., 1978, J. Protozool., v. 25 (3, pt. 2), 298-301
Eimeria tenella, embryo-adapted strain, fine structure and development in chicken embryos, complete sporogonic cycle is restricted to epithelial cells of chorio-allantoic membrane, no major ultrastructural changes have occurred as result of repeated embryo passage.

Morphology, Protozoa
Naegleria aerobia in infected mouse brain and in vitro, fate of special cytoplasmic inclusions (black bodies), nature and role of these bodies discussed.
Morphology, Protozoa
Eimeria nieschulzi, scanning electron micrographs of oocysts, transmission electron micrographs of oocyst wall and sporocyst wall

Morphology, Protozoa
Trichorhynchus pullcher, description of life cycle stages, scanning electron microscopy

Morphology, Protozoa
Toxoplasma gondii cysts in Mammals, ultrastructure, freeze-etch technique makes possible a clearer description of membranes than thin-section and scanning electron microscopy

Morphology, Protozoa
Maurand, J.; and Loubes, C., 1978, Ztschr. Parasitenk., v. 56 (2), 131-146
microsporidians from simulid larvae, ultrastructural studies: region languedocienne (Sud de la France)

Morphology, Protozoa
Mayberry, L. F.; et al., 1979, J. Protozool., v. 26 (2), 168-178
Rhabdospora thelohani, chronological listing of published reports, new host and geographic records, ultrastructure, evidence in support of inclusion among Apicomplexa

Morphology, Protozoa
Anaplasma marginale, ultrastructure within and outside Aedes albopictus cells in vitro, reproduction not seen

Morphology, Protozoa
Mehlhorn, H.; and Heydorn, A. O., 1978, Advances Parasitol., v. 16, 43-91
Sarcocystis, life cycle and fine structure, review

Morphology, Protozoa
Mehlhorn, H.; and Heydorn, A. O., 1979, Ztschr. Parasitenk., v. 58 (2), 97-113
Sarcocystis suihominis, gamogony in human tissue cultures, electron microscopical study

Morphology, Protozoa
Mehlhorn, H.; Schein, E.; and Warnecke, M., 1979, J. Protozool., v. 26 (3), 377-385
Theileria ovis, gamogony and sporogony in Rhipicephalus evertsi evertsi, electron-microscopic studies

Morphology, Protozoa
Michael, E., 1978, Ztschr. Parasitenk., v. 57 (3), 221-228
Eimeria acervulina, formation and final structure of oocyst wall, transmission and scanning electron microscopy

Morphology, Protozoa
Trypanosoma cruzi culture and blood stream forms, optical and electron microscopic observations on interactions with hamster peritoneal macrophages, blood forms observed to be wrapped by a conspicuous membrane and to multiply actively; culture forms were epimastigotes folded upon themselves with invagination of periplast and electron-dense material inside and outside invaginations

Morphology, Protozoa
Grebnickiella gracilis, gametogenesis, electron microscopy

Morphology, Protozoa
Trypanosoma vespertilionis, morphology of bloodstream forms, sites and morphology of tissue stages (in cysts), morphology and ultrastructure of culture forms, difficulties in differentiating from T. cruzi

Morphology, Protozoa
Babesia major vermicles from Haemaphysalis punctata haemolymph, ultrastructure, negative staining

Morphology, Protozoa
Plasmodium berghei berghei in mice maintained at high temperature (35°C), certain parasites (less than 301) show atypical morphology (gigantism), amount of DNA is higher than in parasites from mice grown at 20-22°C, no evidence of relationship between increase in DNA and morphological modification

Morphology, Protozoa
Nemanic, P. C.; et al., 1979, J. Infect. Dis., v. 140 (2), 222-228
Giardia muris, occurrence of endosymbiotic microbes; G. muris, G. lambia, organelle distribution

Morphology, Protozoa
Norton, C. C.; Catchpole, J.; and Joyner, L. P., 1979, Parasitology, v. 79 (2), 231-248
Eimeria irresidua, E. flavescens, redescription, sporulation time, schizogony and gametogony, pathogenicity and oocyst production, immunogenicity, geographic distribution, prevalence

Morphology, Protozoa
Pyxina firmus, ultrastructure of epimerite, possible functions in fixation and nutrition
Morphology, Protozoa

Toxoplasma gondii, germfree, gnotobiotic and conventional cats, life cycle studies, morphology of intra-intestinal stages

Morphology, Protozoa

Pacheco, N. D.; Sheffield, H. G.; and Fayer, R., 1978, J. Parasitol., v. 64 (2), 320-325
Sarcocystis cruzi, immature cyst, fine structure in relation to development and to multiplication of parasites within it

Morphology, Protozoa

Trypanosoma cruzi, ultrastructure of morphogenesis in vitro and in vivo (mice)

Morphology, Protozoa

Trichomonas vaginalis, description of circumpolar immobile forms seen in culture, tests for viability using several stains, several cells had multiple nuclei as though undergoing multiple nuclear division

Morphology, Protozoa

Pohlenz, J.; et al., 1978, Vetr. Path., v. 15 (3), 417-427
Cryptosporidium sp., calves (free in lumen and attached to epithelium of ileum), life cycle, morphology, pathology, diarrhea, transmission and scanning electron microscopy

Morphology, Protozoa

Cryptosporidium, bovine, ultrastructure of life cycle stages

Morphology, Protozoa

Porchet, E.; and Torpier, G., 1977, Ztschr. Parasitenk., v. 54 (2), 101-124
Toxoplasma gondii, Sarcocystis tenella, freeze fracture studies of infective stages, outer and inner membranes, rhoptries membranes

Morphology, Protozoa

Entamoeba coli, filamentous virus-like material in nucleus of trophozoites from human colon and from culture

Morphology, Protozoa

Rondanelli, E. G.; et al., 1974, Parassitologia, v. 16 (1), 89-91
Entamoeba coli cysts, ultrastructure, comparison with E. histolytica encysted in same culture conditions

Morphology, Protozoa

Rondanelli, E. G.; et al., 1976, Recenti Prog. Med., v. 61 (2), 157-162
Leishmania donovani and L. tropica promastigotes form in vitro, basis for qualifying characters of ultrastructural organization of genus Leishmania and aspects of its reproduction and pathogenicity; promastigote and endomastigote phases discussed

Morphology, Protozoa

Leishmania adleri, virulence for Cricetus auratus increases with successive passage, ultrastructure of leptomonal stage and characteristics of localization of specific antigens, antigenic comparison with Leishmania of mammals and leptomonas of reptiles

Morphology, Protozoa

Sarphie, T. G.; and Allen, D. J., 1978, Health Lab. Sc., v. 97 (4), 596-600
Acanthamoeba culbertsoni extracted from cerebrospinal fluid, surface topography, scanning electron microscopy, possible diagnostic application

Morphology, Protozoa

Vexillifera bacillipes pathogenic to rainbow trout, morphology of culture specimens, free-living and endozoic forms compared: hatchery, Italy

Morphology, Protozoa

Thelasion annulata, development in haemolymph and salivary glands of Hyalomma anatolicum excavatum, light microscopy; hypothetical diagram of cycle in ticks

Morphology, Protozoa

Schneider, H., 1979, Mikrokosmos, v. 68 (1), 149-153
Trichodina pediculus, morphology

Morphology, Protozoa

Scholtyszek, E., 1979, Fine structure of parasitic Protozoa. An atlas of micrographs, drawings and diagrams, 206 pp., illus.

Morphology, Protozoa

Sarcocystis fusiformis, cats infected with cysts from Bubalus bubalis, ultrastructural study of sexual stages; first report describing sexual stages of Sarcocystis in final host

Morphology, Protozoa

Isospora [sp.], ultrastructure of cyst wall of two types of sarcocysts, "Entwicklungs- stadien wahrscheinlich zweier Kokzidienarten der Gattung Isospora parasitieren."
SUBJECT HEADINGS

Morphology, Protozoa
Eimeria tenella, sporozoites, merozoites, ultrastructure

Morphology, Protozoa
Crithidia oncopelti, acriflavine, effect on structure of kinetoplast, kinetoplast DNA, protein synthesis in kinetoplast and cytoplasmic ribosomes; suggests that information required for synthesis of kinetoplast ribosomes is contained in kinetoplasts

Morphology, Protozoa
Plasmodium falciparum, gametocyte and gamete development, ultrastructure of gametocytes from blood of naturally infected Gambians compared with immature forms from blood of chloroquine treated patient, functional morphology, cytogenetics, phylogeny

Morphology, Protozoa
Sinden, R. E.; and Strong, K., 1978, Tr. Roy. Soc. Trop., v. 53 (2), 149-154
Plasmodium falciparum, sporogonic development in Anopheles gambiae, scanning and transmission electron microscopy, first surface view of micropore of Plasmodium

Morphology, Protozoa
Soares, T. C. B.; and de Souza, W., 1977, Ztschr. Parasitenk., v. 53 (2), 149-154
Trypanosoma cruzi, Herpetomonas samuelpessoai, cell membrane, sporozoites, merozoites, ultrastructure

Morphology, Protozoa
Souza, W., 1974, Rev. Soc. Biol., v. 4 (6), 510-514
Lambilia muris, cysts, ultrastructure

Morphology, Protozoa
Lambilia muris, cysts, ultrastructure

Morphology, Protozoa
de Souza, W., 1974, Rev. Soc. Bras. Med. Trop., v. 8 (1), 45-65
Toxoplasma gondii, review of biological aspects especially ultrastructure of interphasic form and the modifications that occur during cell division

Morphology, Protozoa
Toxoplasma gondii, fine structure study of conoid

Morphology, Protozoa
de Souza, W.; Chavez, B.; and Martinez-Palomo, A., 1979, J. Parasitol., v. 65 (1), 109-116
Herpetomonas samuelpessoai, cell membrane, freeze-fracture study

Morphology, Protozoa
Trypanosoma cruzi, fine structure morphology of epimastigotes maintained in acellular culture medium, cell division, observation of polysaccharide surface coat

Morphology, Protozoa
Trypanosoma cruzi, invasive blood forms and non-invasive culture forms, ultrastructure of plasma membrane, freeze-fracture technique

Morphology, Protozoa
Speer, C. A.; et al., 1979, Ztschr. Parasitenk., v. 59 (3), 219-225
Isospora lacaei, oocyst wall, scanning and transmission electron microscopy

Morphology, Protozoa
Steche, W.; and Held, T., 1978, Allg. Deutsche Immerztg., v. 12 (11), 522-528
Nosema apis, structure of early developmental stages, scanning electron microscopy

Morphology, Protozoa
Stotish, R. L.; Wang, C. C.; and Meyenhofer, M., [1979], J. Parasitol., v. 64 (6), 1978, 1074-1081
Eimeria tenella, oocyst wall, lipid composition, carbohydrate composition, protein content, amino acid analysis, proposed organization of cell wall, results suggest explanation for physical and mechanical resistance of oocyst wall as well as possible mechanisms for excystation of sporulated oocysts

Morphology, Protozoa
Crithidia oncopelti, comparative study of ultrastructure, cultures differing in sensitivity to olivomycin; lipid drops in cytoplasm of resistant protozoa; nature of action of olivomycin on sensitive parasites

Morphology, Protozoa
Sarcocystis spp., structure of muscle cyst walls, comparative study, light and electron microscopy, useful but not infallible tool for recognizing different species

Morphology, Protozoa
Pneumocystis carinii, nude mice, electron microscopy

Morphology, Protozoa
Terzakis, J. A.; et al., 1979, J. Protozool., v. 26 (3), 385-389
Plasmodium berghei, exoerythrocytic stages in rat liver, possible example of phagocytosis by Kupffer cells, electron microscopy

Morphology, Protozoa
Trevoux, R.; et al., 1976, Rev. Franc. Gynec. et Obst., v. 71 (1), 27-31
Trichomonas vaginalis, description of a pseudo-cyst or round form of parasite in which there is absence of undulating membranes and of flagella, this form thought to play important part in virulent human infections and in those less responsive to drug therapy

Morphology, Protozoa
Tryon, J. C., 1979, Exper. Parasitol., v. 48 (2), 198-205
Toxoplasma gondii, purified tachyzoite pellicle, ultrastructure and antigenicity
Morphology, Protozoa
coccidia, pigs (exper.), mixed infection with 4 spp., macro- and microgametocytic stages, mostly not identified to species

Morphology, Protozoa
Trypanosoma brucei, T. cyclops, application of scanning electron microscopic techniques to study of trypanosome biology

Morphology, Protozoa
Watson, J.; and Sprague, V., 1979, J. Invert. Path., v. 33 (1), 40-52
Ameslon pulvis, fine structure and its implications for classification and chromosomal cycle

Morphology, Protozoa
Voelker, F. A.; et al., 1978, Vet. Path., v. 5 (1), 40-44
Kudoua (sp.) in Chaetodon (skeletal muscle), ultrastructure, light and electron microscopy, differential diagnosis

Morphology, Protozoa
Vivares, C. P.; and Sprague, V., 1979, J. Protozool., v. 26 (1), 197-204
Theileria annulata, fine structure, developmental stages in Boophilus microplus, comparison with developmental stages of Theileria annulata

Morphology, Protozoa
Walker, M. H.; et al., 1979, J. Protozool., v. 26 (4), 566-574
Gregarina garnhami, structure and gliding motion, light microscopy, scanning and transmission electron microscopy

Morphology, Protozoa
Warton, A.; and Honigberg, B. M., 1979, J. Protozool., v. 26 (1), 56-62
Hypotrichomonas acosta, Trichomonas vaginalis, Pentatrichomonas hominis, Tritrichomonas foetus, scanning electron microscopy

Morphology, Protozoa
Giardia lamblia, human, scanning electron microscopy of trophozoite and duodenal mucosa

Morphology, Protozoa
Babesia bigemina, ultrastructure of supposed sexual stages from gut of Boophilus microplus, comparison with developmental stage of Theileria anulata

Morphology, Protozoa
Babesia bigemina, electron microscopic detection of initial and some subsequent developmental stages in Boophilus microplus salivary glands

Morphology, Protozoa
Williams, G. W., 1942, J. Morphol., v. 70 (3), 545-589
Metaradiophrya lumbrici, detailed description, movement and attachment behavior, cytology of division; description of other Metaradiophrya spp. and comparison with M. lumbrici

Morphology, Protozoa
Leucocytozoon dubreuilii, development of secondary schizonts in renal tubule cells of Turdus migratorius and profound parasite-induced changes in these cells, electron microscopy

Morphology, Protozoa
Yamamoto, T.; and Sanders, J. E., 1979, J. Fish Dis., v. 2 (5), 411-428
Ceratomyxa shasta, stages of development leading to sporogenesis, light and electron microscopy

Morphology, Protozoa
Young, A. S.; et al., 1978, Parasitology, v. 76 (1), 99-115
Theileria mutans isolated from cattle exposed in Narok District of Kenya, transstadially transmissible by Amblyomma variegatum but not by Rhipicephalus appendiculatus, mechanically transmissible by blood containing piroplasms or lymphoid cells infected with schizonts, course of infection, pathogenicity, and morphology in cattle (exper.)

Morphology, Protozoa
Trypanosoma evansi, morphology, size variation in relation to host species, geographic location, infection density, and host resistance; phylogenetic origin

Morphology, Protozoa
Zizka, Z., 1977, Ztschr. Parasitenk., v. 54 (3), 217-228
Farinocystis tribolii in Tribolium castaneum, fine structure, developmental stages in sporogony, parasite-host relations (mitochondria of host concentrated around schizonts, consumption of host fat body by parasites, host development stopped)

Morphology, Protozoa
Zizka, Z., 1978, J. Protozool., v. 25 (1), 50-56
Farinocystis tribolii, fine structure of schizonts and free merozoites and their development in fat body of larval Tribolium castaneum

Morphology, Trematoda
Schistosoma mansoni, variation in number of ciliated papillae on miracidia of different strains, variations are related to intermediate and definitive hosts
Morphology, Trematoda
Bayssade-Dufour, C.; et al., 1978, Ann. Parasitol., v. 53 (6), 617-622
Schistosoma mansoni, miracidial chetotactic index, changes during adaptation of human strain to white mice, use in determining human vs. murine character of natural infections in Guadeloupe, possibility of murine strains infecting humans

Morphology, Trematoda
Ignavia venusta, synonymy, description

Morphology, Trematoda
Urogenimus macrostomus, genital organs, shape, size, and surface topography, light and scanning electron microscopy

Morphology, Trematoda
Urogenimus macrostomus, re-investigation of type specimens confirms placement of species in Urogenimus; comparison of reproductive system of U. macrostomus with Leucocloridi-um and Neooleucocloridium

Morphology, Trematoda
Leucocloridium variae, synonymy, intra-specific variation of adults

Morphology, Trematoda
Phyllodistomum conostomum, tegumental surface microtopography, scanning electron microscopy

Morphology, Trematoda
Holorchis pycnoporus, life cycle, morphology of developmental stages

Morphology, Trematoda
Bucephalus polymorphus, Rhipidocotyle illense, life cycles, morphology and biology of developmental stages, discovered that cercaria described by Baer, 1927, as B. polymorphus is in fact larval stage of R. illense, proposal to retain name B. polymorphus and to replace R. illense with R. campanula submitted to International Commission on Zoological Nomenclature

Morphology, Trematoda
Trichobilharzia indica, miracidium, description, mode of hatching

Morphology, Trematoda
Schistosoma mansoni, cercarial chaetotaxy, comparison of 14 strains from 4 hosts (man, Erythroleucus patas, white mice, and wild rats), variation allows differentiation of strains of human vs. murine origin during epidemiological investigations

Morphology, Trematoda
Baysse-Dufour, C.; et al., 1978, Ann. Parasitol., v. 53 (6), 595-605
Diplodiscus subclavatus, D. fischthalicus, cercariae, comparison of excretory system and chetotaxy

Morphology, Trematoda
Mesocoelium monodi, chaetotaxy of cercaria and metacercaria: environs de Lome, Togo

Morphology, Trematoda
Bhatta, M. S., 1977, Biologia, Lahore, v. 23 (2), 103-109
Cercaria parvicaudata, morphology and histochemistry of penetration and cystogenous gland cells

Morphology, Trematoda
Bilgoe, F. M., 1974, Acta Parasitol. Polon., v. 22 (22-34), 305-310
Bianium plicatum, morphological variations

Morphology, Trematoda
Lechithofyllum botryophorum, anatomical details

Morphology, Trematoda
van den Broek, E.; and de Jong, N., 1979, J. Helminth., v. 53 (1), 79-89
Asymphylodora tincae, life cycle, morphology of various stages

Morphology, Trematoda
Schistosoma mansoni, human strain from West Africa, modification in cercarial chetotaxy after several mouse passages; differences in cercarial chetotaxy in Guadeloupe in relation to whether transmission is predominantly murine or predominantly human

Morphology, Trematoda
Fascioloides magna miracidia, scanning electron microscopy of penetration of snail Fossaria bulimoides, attraction, attachment, morphology of apical papilla and epidermal plates, shedding of cilia and epidermal plates

Morphology, Trematoda
Fasciola hepatica miracidia, scanning electron microscopy of penetration into Fossaria bulimoides, topographic miracidial morphology, course and rate of penetration

Morphology, Trematoda
Fasciola hepatica, metacercariae grown in vitro in 2 different media, ultrastructure of tegument and digestive caeca, comparison with development of these 2 systems during maturation in vivo
Morphology, Trematoda
Davies, C., 1979, Internat. J. Parasitol., v. 9 (6), 553-564
Microphallus similis metacercariae and adults, forebody glands and surface features, scanning and transmission electron microscopy, cytochemistry, ultracytochemistry

Morphology, Trematoda
digenetic trematodes, structure of tegument is adapted to serve the two primary functions of absorption and protection and represents a compromise between demands of the two roles analysis and integration of already available information, implications for view of method of formation of tegument and for nomenclature of tegumental structures

Morphology, Trematoda
Dixon, K. E.; and Colton, M., 1978, Internat. J. Parasitol., v. 8 (6), 491-499
Cloacitrema narrabeenensis, cystogenic cells in mature cercariae, surface structures of cercaria, formation of metacercarial cyst wall, light and electron microscopic and histochemical study

Morphology, Trematoda
Ochoterasoma ellipticum, O. anarium, measurements and ratios in live and fixed specimens, ratios for each morphological feature remained constant, may be useful as comparative tool in fluke taxonomy

Morphology, Trematoda
Schistosoma mansoni miracidium, light and electron microscopy of tegument and associated structures (cilia, microvilli-like appendices, thin-long appendices, sensory papillae on terebratorium)

Morphology, Trematoda
Erasmus, D. A.; and Davies, T. W., 1979, Exper. Parasitol., v. 47 (1), 91-106
Schistosoma mansoni, S. haematobium, calcareous corpuscles in vitelline cells, morphological observations, X-ray microanalysis, effect of drug treatment

Morphology, Trematoda
Ergens, R., 1971, Folia Parasitol., v. 18 (4), 377-380
Gyrodactylus stankovici, morphological and metrical variability, taxonomic value

Morphology, Trematoda
Fahmy, M. A. M.; et al., 1976, Acta Parasitol. Polon., v. 24 (1-10), 11-18
Gigantobilharzia sp., probably n. sp., recovered from chickens (exper.) infected with cercariae from Melania tuberculata, morphology, description of modified perfusion apparatus designed to collect trematodes from veins of chickens: branches of River Nile, Assuit Governorate, Egypt

Morphology, Trematoda
Ford, J. W.; and Blankespoor, H. D., 1979, Internat. J. Parasitol., v. 9 (2), 141-145
Schistosoma, 3 human spp., eggs, scanning electron microscopy

Morphology, Trematoda
Fournier, A., 1978, Parasitology, v. 77 (1), 19-26
Euzetema kneepfleri, ultrastructure of digestive caecum, partially haematophagous diet, digestive process, evidence for synchronous cycle of gastrodermal activity and 'apocrine-like' release of residues of digestion

Morphology, Trematoda
Fournier, A., 1979, Ztschr. Parasitenk., v. 59 (2), 169-185
Polystoma integerrimum, P. pelobatis, tegument, ultrastructure during various stages of development

Morphology, Trematoda
Fournier, A.; and Combes, C., 1978, Zoomorphol., v. 91 (2), 147-155
Polystoma integerrimum, structure and function of eyespots of free-swimming larva studied by electron microscopy, light concentration occurs by reflection rather than by refraction and all Polystomatidae appear to present this reflecting system (same structure also found in P. pelobatis, Eu-polystoma alluaudi, and Polystomoides ocellatum)

Morphology, Trematoda
Fredericksen, D. W. [1979], J. Parasitol., v. 64 (6), 961-976
Cotylogaster occidentalis, cotylocidium larva, fine structure, phylogenetic position

Morphology, Trematoda
5 Paragonimus spp., comparative ultrastructural topography of gut epithelia

Morphology, Trematoda
Fujino, T.; and Ishii, Y., 1979, Internat. J. Parasitol., v. 9 (5), 435-448
6 spp. of digenetic trematodes, gut epithelia, comparative ultrastructural topography, scanning and transmission electron microscopy

Morphology, Trematoda
Fujino, T.; Ishii, Y.; and Choi, D. W., 1979, J. Parasitol., v. 65 (4), 579-590
Clonorchis sinensis, newly excysted juveniles and adult worms, tegument, surface ultrastructure, scanning and transmission electron microscopy

Morphology, Trematoda
Paragonimus ohirai, Eurytrema pancreaticum, spermatozoa and spermagenesis, scanning and transmission electron microscopy

Morphology, Trematoda
Metagonimus yokogawai, M. takahashii, cercariae, morphology, electron microscopy (scanning)

Morphology, Trematoda
Dactylogyrus extensus, morphology and histology, with particular emphasis on glands
SUBJECT HEADINGS

Morphology, Trematoda
Schistosoma rodhaini, tegument ultrastructure, transmission electron microscopic and stereo-scan observations

Morphology, Trematoda
Haplochromidae, life cycle, development, morphology, pathological changes in frog hosts: Poland

Morphology, Trematoda
Ho, Y. H.; and Yang, H. C., 1974, Tung Wu Hsueh Pao (Acta Zool. Sinica), v. 20 (3), 243-262
Schistosoma japonicum, egg formation and chemical nature of egg shell, histological and histochemical study, morphological changes in egg formation following treatment of infected mice with thiourea compounds

Morphology, Trematoda
Huang, S. W.; et al., 1979, J. Chinese Soc. Vet. Sc., v. 5 (2), 79-85
Fasciola spp. in cattle and water buffaloes, morphology, egg hatching time, phototaxis, and infectivity of miracidia to Limnea ocellata (exper.), intra-species variation: Taipei abattoir, Taiwan

Morphology, Trematoda
Paragonimus peruivianus, variable position of ovary, description of certain adjoining genitalia

Morphology, Trematoda
Irwin, S. W. B.; and Maguire, J. G., 1979, Internat. J. Parasitol., v. 9 (1), 47-53
Gorgoderina vitelliloba, ultrastructure of vitelline follicles

Morphology, Trematoda
Gigantocotyle bathycotyle, detailed life history, morphology of developmental stages, validity established

Morphology, Trematoda
Johnson, A. D., 1979, J. Parasitol., v. 65 (1), 154-160
Alaria mustelae, morphology, life history

Morphology, Trematoda
Maritrema pyrenaica, life cycle, description of developmental stages

Morphology, Trematoda
Isoparorchid metacercaria, neurosecretory cells, histology and histochemistry

Morphology, Trematoda
Echinococbus spinosus, life cycle, description of egg, miracidium, cercaria, and metacercaria

Morphology, Trematoda
Echinococbus coxatus, E. belocephalus, life cycles, descriptions of some stages

Morphology, Trematoda
Karyakarte, P. P.; and Kulkarni, H. S., 1976, Marathwada Univ. J. Sc. (Nat. Sc.), v. 15 (8), 129-131
Lecithochirium acutum, neurosecretory cells, location and morphology
Morphology, Trematoda
Diplozoon mehrai, neurosecretory cells, location and morphology

Morphology, Trematoda
Mehraorchis ranarum, neurosecretory cells, location and morphology

Morphology, Trematoda
Daplozoon paradoxum, oncomiracidium, median, pigment-shielded eyes and lateral unshielded eyes, electron microscopy

Morphology, Trematoda
Halicryptus ovocaudatus, demonstration of life cycle with four obligatory hosts, description of life cycle stages

Morphology, Trematoda
Halicryptus ovocaudatus, development of tegument during four stages (cercaria, mesocercaria, metacercaria, adult), ultrastructure

Morphology, Trematoda
Khalifa, R., 1977, Acta Parasitol. Polon., v. 34 (1-10), 1-9
Dendritobilharzia pulverulenta, morphology, life cycle, first record and description of cercaria: Poland

Morphology, Trematoda
Haplorchis pumilio, life cycle, morphology, discussion of parapleurolophocercous cercariae previously described from Egypt

Morphology, Trematoda
Khotenovskii, I. A., 1972, Parazitologiia, Leningrad, v. 6 (1), 79-82
Pleurogenidae, Lecithodendriidae, Plagiorchiidae, parasites of bats, morphology, localization in host intestine, and mode of feeding briefly discussed as examples of adaptive evolution of the parasites

Morphology, Trematoda
Khotenovskii, I. A., 1975, Parazitologiia, Leningrad, v. 9 (1), 17-27
Diplozoon spp., morphology of eggs and larvae, technique for hatching larvae and their impregnation by silver, distribution of ciliated cells and sensillae in larvae, possible use of egg and larval characters in species differentiation

Morphology, Trematoda
Hysteromorpha triloba cercaria, sensory apparatus, distribution of sensillae, taxonomic significance

Morphology, Trematoda
Knos, G. B.; and Short, R. B., 1979, J. Parasitol., v. 65 (3), 350-356
Schistosomatium douthitti, cercariae, argen-tophilic papillae (numbers, types, distribution patterns), degree of variation, sex-related differences, possible use in identification and systematics

Morphology, Trematoda
Opecoehora bacillaris, morphology, life history

Morphology, Trematoda
Koie, M., 1979, Ztschr. Parasitenk., v. 59 (1), 67-78
Deregenes varius, redescription, developmental stages, scanning electron microscopy

Morphology, Trematoda
Fasciola hepatica reidiae, cercariae, cysts, excysted metacercariae, migratory stages, scanning electron microscopy

Morphology, Trematoda
Komma, M. D., 1974, Rev. Patol. Trop., v. 3 (1), 57-63
Echinostoma erraticum sporocysts, morphological changes and development in experimentally infected Biomphalaria straminea

Morphology, Trematoda
Krasnodembskii, E. G., 1973, Parazitologiia, Leningrad, v. 7 (5), 418-422
5 trematode species, maritae, glandular cells, morphology, localization, location in helminth body where their secretions are excreted

Morphology, Trematoda
Krasnodembskii, E. G., 1973, Parazitologiia, Leningrad, v. 7 (5), 418-422
5 trematode species, maritae, glandular cells, morphology, localization, location in helminth body where their secretions are excreted

Morphology, Trematoda
Plagiorchis elegans, development in final hosts, morphological variation, effect of host species, parasite age, and season

Morphology, Trematoda
Plagiorchis fastuosus, validity, life cycle, morphology, variation in different hosts

Morphology, Trematoda
Plagiorchis multiglandularis, description of adult and metacercaria, life cycle

Morphology, Trematoda
Prosthomonimus ovatus, synonymy, extent of development of reproductive system varies with definitive host

Morphology, Trematoda
Plagiorchis multiglandularis, description of adult and metacercaria, life cycle

Morphology, Trematoda
Prosthomonimus ovatus, synonymy, extent of development of reproductive system varies with definitive host
Morphology, Trematoda
Gyrodactylus eucalvae, 3 distinct types of cephalic glands based on morphology and stain affinities of their secretions, structure of cephalic lobe and head organ

Morphology, Trematoda
Mekong Schistosoma eggs and adult males and females, scanning and transmission electron-microscopy

Morphology, Trematoda
Dionchus agassizi, D. remoraem, anatomy, development, rate of parasitism on Echeneis naucrates, distribution of adults and egg clusters on gills: golfe de Gabes

Morphology, Trematoda
Gyrodactylus sp., size of anchors and marginal hooks on opisthaptor, seasonal variation, dependence on water temperature, natural and experimental evidence

Morphology, Trematoda
Kuntz, R. E.; et al., 1979, J. Helminth., v. 53 (2), 131-132
Schistosoma bovis, integument surfaces, scanning electron microscopy

Morphology, Trematoda
Lakshmi, V. V.; and Rao, K. H., 1978, Ztschr. Parasitenk., v. 56 (1), 55-61
Digenea, histology of gut, six types described, structure apparently independent of family, habitat, or food habits

Morphology, Trematoda
larval chaetotaxy and ciliated cells in a Monopisthocotylea (Diplectanum aequans) and a Polypisthocotylea (Microcotyle mormyrri) compared, results show evidence of two larval types and confirm affinities of Polystomatidae with Tetraonchidae

Morphology, Trematoda
Tetraonchus monenteron, oncomiracidium, ciliated epidermal cells, chetotaxy, haptor

Morphology, Trematoda
Capsalidae (Benedenia monticellii, Trochopus pini, Entobdella soleae), oncomiracidium, ciliated cells, chetotaxy

Morphology, Trematoda
8 species of Monogenea of fish, oncomiracidia, ciliated cells, chetotaxy

Morphology, Trematoda
Ergenstrema mugilis, larval and postlarval development, ciliated cells, chetotaxy, and excretory system of oncomiracidium

Morphology, Trematoda
Metapolyptoma brygoonis, oncomiracidium, ciliated cells, chetotaxy

Morphology, Trematoda
Lambert, A.; and Maillard, C., 1979, Ann. Parasitol., v. 54 (1), 113-117
Ergoncotyle ocellulata, oncomiracidium, description of ciliated cells and chetotaxy

Morphology, Trematoda
Neodiplorchis scaphiopi, description of larva, ciliature and internal morphology, various staining techniques, and one of silver impregnation

Morphology, Trematoda
Levan, V.; Franjola, R.; and Oberg, C., 1979, Bol. Chileno Parasitol., v. 34 (1-2), 47-48
Echinochasmus sp. from Canis familiaris (in testino delgado), morphology, adult worm and egg measurements compared with E. perfoliatus: ciudad de Valdivia, Chile

Morphology, Trematoda
McLaren, D. J.; et al., 1978, Parasitology, v. 76 (3), 327-348
Schistosoma mansoni in vitro and in vivo (mice), developing tegumental outer membrane, freeze fracture study, changes in number and distribution of intramembranous particles (IMP) during parasite maturation, reflection in alterations of ultrastructure and antigenicity of parasite surface

Morphology, Trematoda
Allocercidium ophiocerehalii, structure of female reproductive system

Morphology, Trematoda
Schistosoma mansoni, untreated worms and worms treated with ambilhar or astiban, electron microscopy of cuticle, subcuticular region, and gut; possibility that egg formation is interrupted by either treatment
Morphology, Trematoda

Dollfusinus frontal is in rodents, occurrence, distribution, growth, morphology, life cycle: Formentera; Menorca

Morphology, Trematoda
Matskasi, I., 1970, Folia Parasitol., v. 17 (1), 25-30
Opisthodiscus diplodiscoides, neurosecretory cells, morphology, diurnal rhythm of secretory activity

Morphology, Trematoda
Meuleman, E. A.; et al., 1978, Ztschr. Parasitenk., V. 56 (3), 227-242
Schistosoma mansoni, miracidium body wall, changes during penetration into snail and transformation into mother sporocysts, ultrastructure

Morphology, Trematoda
Schistosoma mansoni, adult male, surface studied with scanning electron microscopy, possible use in differentiating species and strains

Morphology, Trematoda
Mishchenko, V., 1973, Parazitologiia, Leningrad, v. 4, 50-58
Posthodiplostomum minimum, host-induced variations in size, shape, and complexity of oral sucker, acetabulum, and holdfast organ

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Nadykto, I., 1970, Folia Parasitol., v. 17 (1), 25-30
Primorski krai

Morphology, Trematoda
Nadyko, M. V., 1973, Parazitologiia, Leningrad, v. 7 (5), 408-417
Ganeo tigrinum, variability of certain structures, taxonomic importance

Morphology, Trematoda
Eurytrema pancreaticum, morphology, life cycle and development under conditions of Primsorski krai

Morphology, Trematoda
Fasciola gigantica, occurrence of 2 cercarial generations in life cycle, anatomy of cercaria

Morphology, Trematoda
Trematoda, morphophysiology of yolk glands and egg formation, review

Morphology, Trematoda
Parapronocephalum symmetricum, morphology of parthenitae and larvae

Morphology, Trematoda
Pandey, K. C.; and Agrawal, N., 1979, Folia Morphol., v. 27 (1), 57-59
Diplodiscus lali, egg, miracidium, description, emergence and behavior

Morphology, Trematoda
Palmieri, J. R.; and Guraya, S. S., 1978, J. Helminth., v. 52 (4), 327-333
Cotylurus erraticus, life cycle, development, description of egg, miracidium, metacercaria, and marita

Morphology, Trematoda
Palmieri, J. R., 1977, Great Basin Nat., v. 37 (2), 129-137
Posthodiplostomum ichikawai, histological structure of organs

Morphology, Trematoda
Palmieri, J. R.; and Krupicer, I., 1976, Folia Vet., v. 20 (1-2), 195-201
Paramphistomum cruciatum, ichthyophthiriasis, histological structure of organs

Morphology, Trematoda
Parapronocephalum symmetricum, morphology of parthenitae and larvae

Morphology, Trematoda
Pojmanska, E. A.; et al., 1977, Khelmitologiia, Sofiia, v. 4, 50-58
Fasciola hepatica, origin, ultrastructure, and function of subcuticular cells and tegument, localization of DNA synthesis, high degree of DNA-replication indicates mitotic activity of non-differentiated subcuticular cells

Morphology, Trematoda
Cercaria vaullegeardi, ultrastructure of daughter sporocyst tegument
Morphology, Trematoda
Popiel, I. 1978; Ztschr. Parasitenk., v. 56 (2), 167-173
Cercaria litorinae saxatilis V daughter sporocyst, ultrastructure of body wall

Morphology, Trematoda
Popiel, I.; and James, B. L.; 1978; Parasitology, v. 76 (3), 349-358
Microphallus pygmaeus, changes in ultrastructure of daughter sporocyst and contained metacercariae during culture in artificial seawater and modified Medium 199, comparison with variations in oxygen consumption, almost simultaneous onset of body wall degeneration in both media suggests that the nutrient medium is not suitable for maintenance of healthy daughter sporocysts

Morphology, Trematoda
Popiel, I.; and James, B. L.; 1978; Ztschr. Parasitenk., v. 56 (3), 251-265
Cercaria stunkardi, C. linearis, daughter sporocysts in chemically defined media, variations in oxygen consumption and ultrastructure, body wall degenerates but contained cercariae remain healthy

Morphology, Trematoda
Ochetosoma aniarum, metacercariae, early ultrastructural development of excretory bladder

Morphology, Trematoda
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Ochetosoma aniarum adults, excretory bladder epithelium, fine structure

Morphology, Trematoda
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Renicola ihari, life cycle, description of developmental stages

Morphology, Trematoda
Monogenea of Mexican freshwater fishes, introduction to series of studies, recommendations for system of anatomical terms useful for morphological descriptions of Monogenea, host specificity

Morphology, Trematoda
Price, Z.; Voge, M.; and Beydler, S.; 1978; Scan. Electron Microsc., v. 2, 399-404
Schistosoma mansoni, mice, changes in tegumental surfaces during development

Morphology, Trematoda
Paragonimus sp., unable to detect any morphological differences in ultrastructural study of ova from human and cat feces: Durban, South Africa

Morphology, Trematoda
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Pterygodermatites nycticebi, description of male and female

Morphology, Trematoda
Singhia trema longifurca micrarium, description

Morphology, Trematoda
Cryptocotyle lingua, ultrastructure and development of ventrogenital complex and its mode of operation in copulation

Morphology, Trematoda
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Cryptocotyle lingua, spermatozoan, spermogenesis, ultrastructure

Morphology, Trematoda
Echinostoma caproni, life cycle, larval morphology

Morphology, Trematoda Richard, J.; and Jourdane, J.; 1978; Ann. Parasitol., v. 53 (6), 607-615
Microphallus gracilis, Maritrema pyrenaica, cercariae, comparison of chetotaxy, Microphallus and Maritrema can be separated on this basis: Fenouillet, Pyrenees-Orientales

Morphology, Trematoda
Zygocotyle lunata, metacercarial cyst, light and transmission electron microscopy, amino acid analysis

Morphology, Trematoda
Austrobilharzia terrigalensis, synonymy, description, life cycle, failure to produce cercarial dermatitis in humans

Morphology, Trematoda
Sahai, B. N.; and Srivastava, H. D.; 1978; Indian J. Animal Sc., v. 48 (2), 113-122
Opisthorchis noverca, morphology, life history: India
Morphology, Trematoda
Clonorchis sinensis, cercarial integument, ultrastructure

Morphology, Trematoda
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Schistosoma japonicum, miracidial and cercarial surfaces, scanning electron microscopy, patterns of argyrophilic papillae of cercariae, scanning electron and light microscopy

Morphology, Trematoda
Schistosoma mansoni, tegument development in permissive (mouse, hamster) vs. non-permissive (rat) hosts, scanning electron microscopy

Morphology, Trematoda
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Paragonimus iloktsuenensis, metacercariae, morphology, measurements, growth and development in mice

Morphology, Trematoda
Paramphistomum daubneyi, morphology, life cycle, prepatent period, geographic distribution and differences between P. daubneyi and P. microbothrium discussed: Pecs abattoir

Morphology, Trematoda
Shaw, M. K., 1979, Ztschr. Parasitenk., v. 58 (3), 243-258
Gastrocotyle trachuri, ultrastructure of clamp wall, possible role in attachment

Morphology, Trematoda
Shaw, M. K., 1979, Ztschr. Parasitenk., v. 59 (1), 43-51
Monogenea, ultrastructure of clamp sclerites

Morphology, Trematoda
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Gastrocotyle trachuri, development of clamp attachment organs, electron microscopy

Morphology, Trematoda
Diplostomum spp., comparative study of distribution of sensilla on cercariae of four species, taxonomic significance of cercarial sensory apparatus in this genus

Morphology, Trematoda
Strigeata, description and taxonomic significance of cercarial sensory apparatus, distribution of sensilla

Morphology, Trematoda
Proctocoele ichiharai, general morphology of developmental stages, growth and relative growth of internal organs

Morphology, Trematoda
Schistosoma mansoni, adults, musculature, ultrastructure

Morphology, Trematoda
Schistosoma mansoni, adults, nerve tissue and processes that form sensory bulbs on surface of integument, ultrastructure

Morphology, Trematoda
Schistosoma mansoni, surface ultrastructure, scanning electron microscopy

Morphology, Trematoda
Schistosoma mansoni, adults, integument, ultrastructure

Morphology, Trematoda
Stellantchasmus falcatus, cercariae, fine structure of tegument and secretory cells

Morphology, Trematoda
Stellantchasmus falcatus, cercariae, fine structure of secretory vesicle

Morphology, Trematoda
Schistosoma intercalatum, morphology of cercarial glands; aggregates of cercariae formed by adhesive post-acetabular gland secretions, physical factors triggering aggregation behavior and impairing invasion of final host; hybridization with S. haematobium and fate of hybrids among natural populations; hypotheses on cercarial aggregation behavior and natural hybridization as factors limiting distribution of S. intercalatum

Morphology, Trematoda
Schistosoma margrebowiei, morphology of egg, miracidium, and cercaria, compatibility with Bulinus spp., development in Mesocricetus auratus, pathogenicity

Morphology, Trematoda
Schistosoma mansoni, digestive system, ultrastructure

Morphology, Trematoda
Schistosoma mansoni, female reproductive system, electron microscopy

Morphology, Trematoda
Schistosoma mansoni, Mehlis gland, ultrastructural anatomy
Morphology, Trematoda
Echinostoma chloropodis, description of cercaria and metacercaria from snails and marita from duckling (exper.): Ukrainsk SSR (Krym, lake Donezul) (Krym, lake Donuzlav)

Morphology, Trematoda
Odhneria odhneri, morphology, life history, taxonomic relations

Morphology, Trematoda
Cardiocephalus longicollis, partial life cycle, metacercaria described, cercaria could be Cercaria pseudonassae

Morphology, Trematoda
Sundararaman, V.; and Nadakal, A. M., 1979, Cell and Tissue Research, v. 201 (3), 479-486
Cercaria chackal, striated muscle of tail, ultrastructure

Morphology, Trematoda
Phagicola arnaldoi, synonymy, morphology

Morphology, Trematoda
Fasciola hepatica, apical surface of gastrodermal cells, actual 3-dimensional organization and intracellular ultrastructure, transmission and scanning electron microscopy

Morphology, Trematoda
Fasciola hepatica, basal infolds and associated vacuoles of tegument: general and enzymatic histochemistry, osmotic behavior, theory outlining possible mode of operation of tegument as transporting epithelium

Morphology, Trematoda
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Aspidogaster conchicola, nervous system, structure and development

Morphology, Trematoda
Tinsley, R. C., 1978, Parasitology, v. 77 (2), 121-132
Eupolystoma antorches, ovisposition; hatching; oncomiracidium, distribution of tegumental ciliated cells and sensilla, systematic implications

Morphology, Trematoda
Tinsley, R. C.; and Owen, R. W., 1979, J. Helminthol., v. 53 (4), 307-316
Xenopodistomum xenopodis from Xenopus laevis laevis (gall bladder), morphology, growth and development, prevalence and intensity of infection, absence of pathological effects, parasite's diet: imported to England from Cape Flats, near Cape Town, South Africa

Morphology, Trematoda
Tongu, Y.; et al., 1975, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 24 (5), 312-317
Metagonimus takahashii, M. yokogawai, fine structure of penetration gland cells

Morphology, Trematoda
Tulloch, G. S.; et al., 1977, Tr. Am. Micr. Soc., v. 96 (1), 41-47
Schistosoma mattheei, surface structures of integument suggest basic adaptations for clasping of male and female schistosomes and for parasite attachment to host, scanning electron microscopy; taxonomic implications

Morphology, Trematoda
Voge, H.; Price, Z.; and Bruckner, D. A., 1978, J. Parasitol., v. 64 (4), 858-592
Schistosoma mansoni, development of tegumental surface in mammalian host, scanning electron microscopy

Morphology, Trematoda
Voge, M.; Price, Z.; and Bruckner, D. A., 1978, J. Parasitol., v. 64 (5), 944-947
Schistosoma mekongi, changes in tegumental surface of male and female worms during development in mice

Morphology, Trematoda
Troglocrema acutum, life cycle in intermediate and definitive hosts, morphology of eggs, rediae, cercariae and metacercariae

Morphology, Trematoda
Quinqueserialis quinqueserialis, ultrastructure of ventral papillae, suggested that papillae are nonglandular and may function in nutrient absorption

Morphology, Trematoda
Zdrarska, Z., 1970, Folia Parasitol., v. 17 (1), 31-47
Notocotylus attenuatus, cercaria, relationship of gland cells to layers of cyst wall of adolecascia, morphology, histochemistry

Morphology, Trematoda
Zdrarska, Z., 1971, Folia Parasitol., v. 18 (3), 207-213
Echinoparyphium aconiatum, larval stages, body tegument, histochemistry, morphology

Morphometric data. See Measurements; Morphology.

Motility. See Locomotion and motility.

Motion pictures
Densen, P.; et al., 1978, Infect. and Immun., v. 22 (1), 282-285
Schistosoma mansoni, demonstration of eosinophil degranulation on surface of opsonized schistosomes by phase-contrast cinemicrography

Motion pictures
Toxoplasma gondii in tissue culture, life cycle and development recorded by microcinematographic study in phase contrast
Muscles. [See also Musculoskeletal system]

Muscles, Host
Trichinella spiralis-infected vs. uninfected mice, skeletal muscle membrane potentials

Muscles, Host
Trypanosoma equiperdum-infected guinea pigs (exper.), alterations in cardiac muscles, observations on ECG records, histological and histochemical estimations of glycogen content, pyruvic acid levels in blood, evidence of vitamin B1 deficiency

Muscles, Host
Trichinella spiralis-infected rats and humans, basophilia of muscle fibers considered to favor growth and survival of the parasite larvae

Muscles, Host
Greer, C. A.; Cain, G. D.; and Schottelius, B. A., 1979, J. Parasitol., v. 65 (5), 825-827
Trypanosoma brucei-infected rats, changes in vascular smooth muscle contractility

Muscles, Host
Kasprzak, K.; et al., 1971, Acta Parasitol. Polon., v. 19 (1-8), 1-7
Trichinella spiralis-infected rat muscles, distinct aberration in incorporation of glycine-1-14C and l-lysine-1-14C

Muscles, Host
Mansour, S. E., 1979, NATO Advanced Study Inst. Ser., s. A, Life Sc., v. 24, 643-644
schistosomiasis, human, muscular changes

Muscles, Host
Toxoplasma gondii, serologic data suggest that idiopathic inflammatory muscle disease is associated with recent active infection in certain patients, pathogenetic role of microorganism remains uncertain

Muscles, Parasite
Batson, B. S., 1979, Internat. J. Parasitol., v. 9 (6), 49s-50s
Gastronomus boophthorae, body wall, ultrastructural changes during life cycle, alkaline phosphatase activity, relationship to transcuticular uptake of nutrients

Muscles, Parasite
nematodes of various taxonomic and ecological groups, comparative micromorphological analysis of somatic musculature

Muscles, Parasite
Ascaridia compar, fine structure of cuticle, hypodermis, and somatic muscle

Muscles, Parasite
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Ascaris lumbricoides, voltage-clamp analysis of potassium current that produces negative-going action potential in pharyngeal muscle

Muscles, Parasite
Ascaris suum, changes in motor activity in relation to temperature, effect primarily on musculature and secondarily on nervous system

Muscles, Parasite
Moniliformis moniliformis, muscles of male reproductive system

Muscles, Parasite
Fetterer, R. H.; et al., 1978, Exper. Parasitol., v. 46 (1), 59-71
Schistosoma mansoni, physical and chemical factors affecting mechanical properties of adult male musculature in vitro (incubation media, buffers, temperature, osmolality, pH, ions), improvements in system for recording motor activity; results indicate that S. mansoni musculature is similar to smooth muscle found in mammals

Muscles, Parasite
Ascaris suum, aldose reductase and sorbitol dehydrogenase in muscle

Muscles, Parasite
Bunostomum trigonocephalum, body wall (cuticle, hypodermis, and somatic musculature), ultrastructure
Muscles, Parasite
Mastophorus muris, ultrastructure of somatic muscle development

Muscles, Parasite
Lernaenicus hemirhampi, head and oral muscles and processes, description, function, method of feeding

Muscles, Parasite
Lapp, D. F.; and Mason, S. L., 1978, J. Parasitol., v. 64 (4), 645-650
Ascaris suum, trehalase, isolation from muscle, partial purification and characterization, distribution in nematode tissues

Muscles, Parasite
Acanthocephala spp., lacunar system and tubular muscles

Muscles, Parasite
Crataerina pallida, haltere activity and possible functions in this flightless hippoboscid fly, very brief observations on Melophagus ovinus (halteres absent), Hippobosca equina, and an apterous African nycteribiid

Muscles, Parasite
Ohmori, Y., 1975, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 24 (2), 81-86
female hookworms and nodular worms, arrangement of somatic muscle cells

Muscles, Parasite
Equinurbia sipunculiformis, Chonionium epistomum, Murshidia falcifera, females, arrangement of somatic muscle cells

Muscles, Parasite
Ohmori, Y.; and Ohbayashi, M., 1975, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 24 (5), 294-299
Strongylidae, Ancylostomatidae, females, arrangement of somatic muscle cells

Muscles, Parasite
Ohmori, Y.; and Ohbayashi, M., 1975, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 24 (6), 375-378
Quilonia travancra, female, arrangement of somatic muscle cells, muscle deficiency found in female Decrusia additicta

Muscles, Parasite
Stephanurus dentatus, female, arrangement of somatic muscle cells

Muscles, Parasite
Ohmori, Y.; and Tsunoda, K., 1977, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 26 (4), 233-234
Syngamus trachea, female, arrangement of somatic muscle cells

Muscles, Parasite
Ascaris suum, effect of cholinomimetic and anticholinesterase substances upon somatic muscles, quantitative evaluation as measure of cholinoreceptive properties, comparison with higher animals

Muscles, Parasite
Shaw, M., 1979, Ztschr. Parasitenk., v. 58 (3), 243-258
Gastrococyte trachuri, ultrastructure of clam wall, possible role in attachment

Muscles, Parasite
Shishov, B. A., 1971, Parazitologiiia, Leningrad, v. 5 (4), 341-343
Eustrongylides excisus, localization of cholinesterase activity in neural and muscular structures

Muscles, Parasite
Ascaridia galli, cholinesterase activity in nerve and muscle tissue

Muscles, Parasite
Schistosoma mansoni, adults, musculature, ultrastructure

Muscles, Parasite
Sundararaman, V.; and Nadakal, A. M., 1979, Cell and Tissue Research, v. 201 (3), 479-486
Cercaria chackai, striated muscle of tail, ultrastructure

Muscles, Parasite
ascarids, effect of pharmacological substances (acetylcholine, adrenaline, noradrenaline, gamma-aminobutyric acid, serotonin, and others) on the contractile activity of female genital tract

Muscles, Parasite
Tomita, S., 1975, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 24 (2), 61-77
Theilazia callipaedia, ultrastructure of body wall

Muscles, Parasite
Anoplocephala magna, fine structure of longitudinal and circular muscles, electron microscopy
**Muscles, Parasite**
Macracanthorhynchus hirudinaceus, body wall muscles, light and scanning electron microscopy, intracellular recording of potentials; Oligacanthorhynchus tortuosa, M. ingens, light microscopy of body wall muscles

**Musculoskeletal system. [See also Bones; Muscles]**

**Musculoskeletal system**
Weinberger, A.; Schumacher, H. R.; and Weiner, D. J., 1979, Arthritis and Rheum., v. 22 (10), 1142-1145
Dirofilaria immitis microfilaria found in synovial fluid of laboratory dog; microfilaria, probably Dipetalonema sp. in synovial membrane vessel lumen of monkey knee joint

**Museums. [See also Collections]**

**Museums**
[Opalinidae], paratypes of species in Metcal collection deposited in American Museum of Natural History: United States

**Mutations. See Genetics.**

**Myeloencephalitis. See Encephalomyelitis.**
Nervous system. [See also Brain]

Nervous system, Host
human cerebral cysticercosis, diagnosis by complement fixation or evidence of calcifications on X-ray, clinical symptoms, frequent coexistence of cysticercosis with other central nervous system conditions in areas of high prevalence

Nervous system, Host
Trypanosoma cruzi, mice, acute phase of infection, decrease in substance P activity of colon could be related to reduction in total number of dense vesicles in Auerbach's plexus

Nervous system, Host
Trypanosoma gambiense, humans, neurologic and psychologic pathology, analysis of 50 cases: Kinshasa, Zaire

Nervous system, Host
Giardia lamblia, humans with associated peripheral neuropathy of unknown etiology, 2 case reports, resolution of giardiasis and neurological symptoms after metronidazole therapy

Nervous system, Host
Bhopale, M. K.; and Johri, G. N., 1978, J. Helminth., v. 52 (2), 109-113
Ancylostoma caninum, distribution of larvae in central nervous system of mice infected with single or repeated doses

Nervous system, Host
Mesocystoides litteratus, Taenia pisiformis, cat, tapeworm infection apparently had detrimental effect on host's space discrimination of acoustic signals, marked improvement after anthelmintic treatment, results indicate significant unfavorable influence of cystodiasis on function of central nervous system

Nervous system, Host
human echinococcosis, solitary epidual cyst, radiologic diagnosis, clinical management, surgical excision, case report

Nervous system, Host
Bronzina, A.; et al., 1977, Rev. Neurol. Argentina, v. 5 (3), 483
Trypanosoma cruzi subcellular antigenic fractions, affinity for rat tissue from Auerbach's plexus and from myocardium, brief report

Nervous system, Host
Carbahal, J. R.; et al., 1977, Radiology, v. 125 (1), 127-131
human cysticercosis with nervous system involvement, radiologic features, value of computed tomography in assessing infections

Nervous system, Host
Toxoplasma gondii, calf, congenital encephalomyelitis, perivascular mononuclear infiltrations, nodular gliosis and granulomatous lesions in spinal cord

Nervous system, Host
human congenital and acquired toxoplasmosis, aspects of nervous system involvement, case reviews, clinical findings, therapy

Nervous system, Host
Ehrensperger, F.; and Suter, M., 1977, Kleintier-Praxis, v. 22 (2), 56-62
Toxoplasma sp., puppies, radiculoneuritis, clinical and pathological findings

Nervous system, Host
schistosomiasis in patients with and without neurological symptoms, circumoval precipitin test, indirect haemagglutination test, and immunoglobulins in serum and cerebrospinal fluid

Nervous system, Host
Elies, W.; and Firschel, J., 1976, ROEFO, v. 124 (2), 187-188
human Echinococcus cysticus, myelographic diagnosis of cyst of lumbosacral area of spine with intravertebral involvement

Nervous system, Host
schistosomiasis in patients with and without neurological symptoms, circumoval precipitin test, indirect haemagglutination test, and immunoglobulins in serum and cerebrospinal fluid

Nervous system, Host
Trypanosoma cruzi, mice, neuron lesions of juxtaprostatic pelvic ganglion, applications for human testicular lesions and genital misfunctions in human infections

Nervous system, Host
human cysticercosis, case report of patient with generalized cerebral infection manifesting as meningoencephalitis, diagnosis only after surgical intervention

Nervous system, Host
tick paralysis in 3 children (one case caused by Ixodes scapularis), different presenting neurologic symptoms with each child, tick discovered on each, clinical case reports, importance of differential diagnosis in acute onset of paralysis or ataxia: Mississippi
Nervous system, Host
Trypanosoma cruzi-infected rats, demonstration of neurological pathology

Nervous system, Host
Khoury, E. L.; et al., 1979, Clin. and Exper. Immunol., v. 36 (1), 8-15
Trypanosoma cruzi, human, presence of circulating antibodies to peripheral nerve, significant association with EWI antibodies, possible role in pathogenesis of Chagas' disease

Nervous system, Host
Trypanosoma cruzi-infected rats, acetylcholine content and cholinergic innervation of heart

Nervous system, Host
Human neurocysticercosis, 3 case reports with autopsy findings of severe meningitis and hydrocephalus, clinical aspects, recommendations for use of complement fixation for reliable diagnosis

Nervous system, Host
Naegleria fowleri, man, primary amoebic meningo-encephalitis, neuropathology of 3 fatal cases: Antwerp

Nervous system, Host
Strongyloides stercoralis, woman, development of hyperinfection syndrome while on high-dose corticosteroids and following splenectomy, central nervous system involvement, antemortem diagnosis, thiabendazole, levamisole, and mebendazole therapy: Memorial Sloan-Kettering Cancer Center, New York (had traveled in Italy and Sicily)

Nervous system, Host
Schistosomai myelopathy, man, presentation with quadriplegia, large mass demonstrated in spinal cord, total clinical recovery after niridazole: Malawi

Nervous system, Host
Nourry, J. F.; et al., 1978, Surg. Neurol., v. 9 (1), 68-71
Schistosomiasis of spinal cord, humans, clinical aspects, radiologic diagnosis, therapy, case report of Schistosoma mansoni infection in 25-year-old male

Nervous system, Host
Pascal, A. C., 1979, Rev. Patol. Trop., v. 3 (3), 235-243
Trypanosoma cruzi, human, immunopathology of nervous system lesions

Nervous system, Host
Gastromermis boophthorae adults, ultrastructure of amphids

Nervous system, Host
Bogoiavlenskii, Iu. K.; Ivanova, G. V.; and Spaskii, A. A., 1974, [Nervous system of parasitic nematodes.], 190 pp., illus. Nematoda, neurosecretion, nervous system, morphology, histochemistry, cytology, review monograph

Nervous system, Host
Dermacentor marginatus, nymphs, ultrastructure of integumentary glands and mechanoreceptor setae

Nervous system, Host
Helminthology

Nervous system, Host
Ascaris suum, changes in motor activity in relation to temperature, effect primarily on musculature and secondarily on nervous system

Nervous system, Host
Dei-Cas, E.; et al., 1979, Biol. Cell., v. 35 (3), 321-324
Schistosoma mansoni, ultrastructural localization of tritiated 5-hydroxytryptamine incorporated by adult worms in vitro
Nervous system, Parasite
Plagiorchis elegans, histochemical localization of hydrolytic enzymes, morphology of nervous system

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Trypanosoma brucei, partial purification and properties of variant specific surface antigen mRNA obtained from a clone, mRNA sequence complexities of antigenically unrelated clones

Nucleic acids, Parasite
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Angiostrongylus caninensis adults, de novo purine ribonucleotide biosynthesis

Nucleic acids, Parasite
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Crithidia oncopelti nucleoli, DNA-dependent RNA polymerase activity

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Crithidia oncopelti, characterized, RNA synthesis in kinetoplasts

Nucleic acids, Parasite
Zulauf, E.; and Gut, C.; 1978, European J. Biochem., v. 82 (2), 577-583
Ascaris lumbricoides, isolation of messenger RNA coding for eggshell protein in this DNA-eliminating nematode

Nutrition. See Diet and nutrition.
Ostrich. See United States, Oregon.

Ovarian. See Gonads.

Ovary. See Hormones; Reproduction.

Ovaries. See Hormones; Reproduction.

Ovary. See Gonads.

Oscillations. See Absorption; Permeation.

Osmosis. [See also Absorption; Permeation]

Osmosis


physiology of fish parasites, review: chemical composition; physical environmental parameters (salinity, temperature, oxygen tension); nutrition (role of gut, role of tegument); metabolism (carbohydrates, nitrogenous compounds, lipids); growth physiology; host-parasite relations (pathology, host specificity and immunity)

Osmosis


Schistosoma mansoni miracidia in egg, water uptake and metabolic changes, hatching mechanism

Osmosis


Ascaris suum, osmoregulatory function of amino acids, effect of vitamin B1.

Osmosis

Fetterer, R. H.; et al., 1978, Exper. Parasitol., v. 46 (1), 59-71

Schistosoma mansoni, physical and chemical factors affecting mechanical properties of adult male musculature in vitro (incubation media, buffers, temperature, osmolality, pH, ions), improvements in system for recording motor activity; results indicate that S. mansoni musculature is similar to smooth muscle found in mammals.

Osmosis


Spironucleus muris, faecal cysts, resistance to physical and chemical factors tested, data may be useful for control of infection in rodents and for cryopreservation of parasite.

Osmosis

Lussier, P. E.; Podesta, R. B.; and Mettrick, D. F., [1979], J. Parasitol., v. 64 (6), 1978, 1140-1141

Hymenolepis diminuta, amino acid transport and osmoregulation

Osmosis

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freshwater leeches, comparative study of osmoregulatory ability, and its relationship to their distribution: Alberta

Osmosis


Fasciola hepatica, basal infolds and associated vacuoles of tegument: general and enzymatic histochemistry, osmotic behavior, theory outlining possible mode of operation of tegument as transporting epithelium

Ovary. See Gonads.

Ovulation. See Gametogenesis.

Ovulation. See Gametogenesis.

Oregon. See United States, Oregon.

Oesophagus. See Esophagus.

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Oesophagus. See Esophagus.
Overwintering. [See also Climate and weather; Hibernation; Seasonal distribution; Survival and viability; Temperature]

Overwintering

Overwintering oestertagi, occurrence of clinical disease in pretreated calves grazed on slilage after late July, pattern of herbage larval counts suggests delayed emergence of overwintered L3 larvae from soil as most likely source of infection: pastures at Glasgow University Veterinary School

Overwintering

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Hyalomma anatolicum, photoperiodic regulation of nymphal diapause, long-day type reaction, related to engorgement, seasonal-cyclic adaptation: Tadzhikistan and Turkmenia, USSR

Overwintering

Dictyocaulus viviparus, overwintering of infective larvae, prevalence in calves: Minsk oblast

Overwintering

Duncan, J. L.; et al., 1979, Vet. Rec., v. 104 (13), 274-278
Dictyocaulus viviparus, vaccinated, unvaccinated, and tracer calves exposed to infection while grazing, various periods over two years, pasture larval counts, epidemiological, clinical, and parasitological observations, importance of overwintered lungworm larvae as source of disease: West of Scotland farm

Overwintering

Dusbabek, F.; Daniel, M.; and Cerny, V., 1971, Folia Parasitol., v. 18 (3), 261-266
Ixodes ricinus, vertical stratification of overwintering engorged larvae in soil

Overwintering

Ewen, A. B.; and Mekerji, M. K., 1979, Canad. Entom., v. 111 (8), 973-974
Noosema locustae, susceptibility of 5 grasshopper species to field applications, degree of infestation, pathogen overwintering: near Biggar, Saskatchewan

Overwintering

Fasciola hepatica, length of development in Galba truncatula (nat. and exper.), seasonal distribution of cercarial release, overwintering: Rhodope mountains; Thracic lowlands

Overwintering

gastrointestinal nematodes, calves, winter survival of larvae on pasture more important than carrier calves as source of infection; calves surviving clinical disease are resistant to infection the following year: Maine

Overwintering

Goldenstein, N.; Bunke, V.; and Buerger, H. J., 1979, Berl. u. Munchen. Tierarztl. Wchnschr., v. 91 (14), 286-289
Ostertagia, Trichostrongylus, Haemonchus, Nematodirus, sheep, development and survival of third-stage larvae on paddocks after summer and autumn contamination dependent upon ground temperature; overwintering of all four genera until start of next grazing season

Overwintering

Dictyocaulus viviparus, calves, winter survival of infective larvae, decreased infectivity

Overwintering

Karpovich, V. N., 1973, Parazitologiia, Leningrad, v. 7 (2), 128-134
Ceratioides putus, duration of life cycle, experimental studies under conditions of seashore bird colonies 1967-1970: East Murman

Overwintering

Paramphistomum cervi, cattle, incidence in 3 different marshy areas in North Germany, presence of mature cercariae in Planorbis planorbis and Anisus vortex in spring suggests that parasite overwinters in the snails

Overwintering

Oakley, G. A., 1979, Vet. Rec., v. 104 (20), 460
Dictyocaulus viviparus, calves, delayed development of infection, case history, larvae may not only survive winter conditions, but persist in sufficient numbers to cause disease

Overwintering

Oakley, G. A., 1979, Vet. Rec., v. 104 (23), 530-531
Dictyocaulus viviparus, overwintering of larvae on pasture and survival until mid-summer without passage through grazing cattle, experimental trials

Overwintering

Petersen, C. W., 1979, N. Zealand J. Zool., v. 6 (2), 319-320
Ornithonyssus bursa on Sturnus vulgaris (folds of skin, base of bill below eyes, under chin near mandible), small overwintering population forms nucleus for rapid buildup in nest boxes during host breeding season: Aokautere and near Masterton

Overwintering

Anaplasma marginale, inability to survive natural winter conditions on Dermacentor andersoni-infested pastures in absence of infected cattle, results suggest that anaplasmosis can be eliminated in selected herds: Oregon
Overwintering


helminths overwintering in garter snakes, host hypobiosis not accompanied by significant changes in prevalence or intensity of parasite infections: Ille Perrot, Province Quebec, Canada

Overwintering

gregarines, possibly Nematopsis-Porospora group in Crassostrea virginica, seasonal pathology suggests that parasites overwinter in hibernating oysters, undergo vegetative growth in the spring, and then perish or undergo further development in an unknown host

Overwintering

Amblyomma americanum adults, molting time, overwintering survival, and longevity in selected woodlots: Cherokee Co., Oklahoma

Overwintering

fascioliasis, sheep, epidemiology: seasonal availability of metacercariae, parasite stages overwintering on pasture: Denmark

Overwintering

Gastrointestinal helminths, resumption of development of inhibited larvae in calves stabled overwinter

Overwintering

Desophagostomum quadrispinulatum, O. dentatum, failure to demonstrate overwinter survival on pastures, contamination of pastures by carrier pigs with subsequent transmission to susceptible pigs

Overwintering

Amidostomum anseris, development and viability of eggs and larvae during winter and early spring under field conditions: central Poland

Overwintering

Wohlfahrtia magnifica, pupal diapause, autumn temperatures and photoperiod as factors, practical importance of stronger autumn control measures to prevent population buildup

Overwintering

Thomas, R. J.; and Waller, P. J., 1979, Research Vet. Sc., v. 26 (2), 209-212
Abomasal nematodes, lambs, epidemiology during winter and spring: Infective pasture larval availability, parasite population changes and inhibition patterns: Northumberland

Overwintering

Xenopsylla, numbers of generations in northern desert subzone, overlapping of generations, overwintering: Bakanassk GMS

Oviposition. See Reproduction.

Ovum. See Eggs; Gametes.

Oxygen. [See also Respiration]

Oxygen Band, R. N.; and Cirrito, H., 1979, J. Protozool., v. 26 (2), 282-286
Entamoeba histolytica in axenic culture, growth response to hydrogen, carbon dioxide, and oxygen

Oxygen Brown, B. J.; and Platzer, E. G., 1978, J. Nematol., v. 10 (2), 110-113
Romanomermis culicivorax, effect of various dissolved oxygen concentrations at various temperatures on infectivity for Culex pipiens

Oxygen Docampo, R.; et al., 1979, J. Protozool., v. 26 (2), 301-303
Trypanosoma cruzi bloodstream forms, increase in respiration in presence of acetate, acetate oxidation took place via tricarboxylic acid cycle and involved antimycin A-sensitive respiratory pathway, immune sera had no effect on oxygen uptake

Rhipicephalus bursa, oxygen consumption during infections with Erysipelothrix insidiosa and Yersinia pseudotuberculosis, indication of level of intracellular respiration and state of ticks during stages of infection

Oxygen Houlihan, D. F.; and Macdonald, S., 1979, Exper. Parasitol., v. 48 (1), 109-117
Dicilodophora merlangi, Entobdella soeleae, egg production and respiratory rate at different oxygen partial pressures

Trichomonas vaginalis, Tritrichomonas foetus, effect of oxygen and carbon dioxide on growth

Isoparorchis hypselobagri, accumulation of oxygen debt after various periods of anoxic incubation, respiratory overshoot dependent upon the length of anoxic incubation

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Oxygen
Popiel, I.; and James, B. L., 1978, Parasitology, v. 76 (3), 349-358
Microphallus pygmaeus, changes in ultrastructure of daughter sporocyst and contained metacercariae during culture in artificial seawater and modified Medium 199, comparison with variations in oxygen consumption, almost simultaneous onset of body wall degeneration in both media suggests that the nutrient medium is not suitable for maintenance of healthy daughter sporocysts

Oxygen
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Plasmodium falciparum, respiratory requirements studied in vitro in continuous cultivation, results suggest obligate microaerophile

Oxygen
Swift, B. L.; and Paumer, R. J., 1978, Theriogenology, v. 10 (5), 395-403
Anaplasma marginale, heifers in third trimester of gestation (exper.), fetus and dam arterial blood gases and pH measured, death of fetus following progressive parasitic anemia in dam is attributed to fetal anoxia

Oxygen
Von Kruger, W. M. A.; et al., 1978, Comp. Biochem. and Physiol., v. 60B (1), 41-46
Schistosoma mansoni, oxygen consumption and lactate production by cercariae and larvae in several stages of development, lactate dehydrogenase activity from cercaria, cercarial bodies and tails, and schistosomules compared
Paraguay
ectoparasites of poultry, incidence and occurrence:
province of Sind, Pakistan
(Argas persicus; Menopon galliniae; Goniocotes gigas; Lipurus caponis; L. laurenisi tropicalis; Dermansus gallinaceae)

Palaeontology. See Parasitology, History.

Palestine
historical review of antimalarial campaign
in Palestine and Israel, symposium presentation

Palestine
reminiscences of history of malaria eradication
in Palestine and Israel, symposium presentation

Pancreas
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human pancreatic echinococcosis, perforation
of primary cyst, extensive clinical report:
Spain

Papua New Guinea. [See also Indonesia, New Guinea]

Papua New Guinea
Helminths of domestic fowl (alimentary tract), prevalence under 3 systems of management
(intensive, semi-intensive, extensive), highland vs. lowland: Papua New Guinea
(Ascaridia galli; Capillaria anatis; C. annulata; C. obsignata; Cheilospirura hamulosa;
Dispharynx nasuta; Gongylonema ingluvicola; Heterakis beramoparia; H. gallinarum; Strongyloides avium; Tetrameres mohtedai; Mediorychus gallinarum; Amoebotaenia cuneata; Davainea progollitina; Hymenolepis cantaniana; H. carioca; H. exigua; Hymenolepis spp.; Raillietina cesticillus; R. echinobothrida; R. tetragona; Raillietina spp.; Prosthorognomon ovatus)

Paraguay
Canese, A., 1974, Rev. Paraguaya Microbiol., v. 9 (1), 30
indices of human intestinal parasites in
Asuncion and nearby areas of Paraguay
(Ancylostomatidae; St. stercoralis; A. lumbricoides; Trichuris trichiura; Enterobius vermicularis; Hymenolepis nana; Taenia spp.; Giardia lamblia; Entamoeba coli; Yodamoeba butschlii)

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intestinal helminths, survey in dogs and cats:
Asuncion, Paraguay
(dogs: Ancylostoma caninum; A. brasiliense; Dipylidium caninum; Multiceps multiceps; Toxocara canis)
cats: Ancylostoma caninum; A. brasiliense; Dipylidium caninum; Hydatigera taeniaeformis; Multiceps multiceps; Toxocara mystax)

Paraguay
Chagas disease, bibliography: Paraguay

Paraguay
Canese, A.; et al., 1975, Rev. Paraguaya Microbiol., v. 10 (1), 55-66
human intestinal parasites, statistics of extensive epidemiologic survey comparing age and sex of hosts, and socioeconomic levels in 4 geographic areas of Paraguay
(Ancylostomatidae; Trichuris trichiura; Enterobius vermicularis; Strongyloides stercoralis; Hymenolepis nana; Taenia spp.; Strongyloides stercoralis; Giardia lamblia; Chilomastix mesnillii; Enteromonas hominis; Entamoeba coli; E. histolytica; Yodamoeba butschlii; Endolimax nana)

Paraguay
index of helminths reported from Paraguay

Paralysis, Tick. See Tick paralysis in Part 5, Arthropoda and Miscellaneous phyla.

Parasite-free animals. See Gnotobiotic animals.

Parasite-mix. See Mixed infections.

Parasite surfaces. [See also Cuticle; Integument; Membranes; Tegument]
Parasite surfaces
Aikawa, M.; et al., 1979, J. Protozool., v. 26 (2), 273-279
Plasmodium spp., sporozoites before and after incubation in immune serum, freeze-fracture study, antibody-induced changes of pellicular membrane

Parasite surfaces
Schistosoma mansoni, variation in number of ciliated papillae on miracidia of different strains, variations are related to intermediary hosts

Parasite surfaces
Schistosoma mansoni, variation in number of ciliated papillae on miracidia of different strains, variations are related to intermediary and definitive hosts

Parasite surfaces
Schistosoma mansoni, variation in number of ciliated papillae on miracidia of different strains, variations are related to intermediary and definitive hosts

Parasite surfaces
Trypanosoma cruzi epimastigote forms, evidence for plasma membrane localization and antigenic nature of carbohydrate-containing macromolecules
Parasite surfaces
Trypanosoma cruzi, Peruvian and Colombian strains, failure to demonstrate presence of host antigens on surface of trypomastigote forms from guinea pig blood using immunofluorescence

Parasite surfaces
Arizono, N.; Matsuo, K.; and Yoshida, Y., 1976, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 25 (6), 468-474
Strongyloides planiceps, parasitic and free-living stages, surface structures, scanning electron microscopy

Parasite surfaces
Entamoeba histolytica, distribution and redistribution of antigen determinants and Con A receptors on surface, reappearance of antigen, effect of metabolic inhibitors and pH on ligand induced redistribution, capping and endocytosis in phagocytizing amoebae and influence of inhibitory compounds, variation of expression of surface antigens

Parasite surfaces
Banks, K. L., 1979, J. Protozool., v. 26 (1), 103-108
Trypanosoma congolense, in vitro binding to erythrocytes: method of studying trypanosome-host cell interaction, erythrocyte and trypanosome surface properties necessary for adhesion

Parasite surfaces
Barabashova, V. N., 1971, Parazitologiia, Leningrad, v. 5 (5), 446-454
8 species of Acanthocephala, integument, structure and function, histological and histochemical investigations

Parasite surfaces
Barry, J. D., 1979, J. Cell Sc., v. 37, 287-302
Trypanosoma brucei, capping of variable antigen, immunological and biological significance

Parasite surfaces
Barry, J. D.; and Vickerman, K., 1979, Exper. Parasitol., v. 48 (2), 313-324
Trypanosoma brucei, loss of variable antigens during transformation from bloodstream to procyclic forms in vitro

Parasite surfaces
Batson, B. S., 1979, Internat. J. Parasitol., v. 9 (6), 495-503
Gastromermis boophthorae, body wall, ultrastructural changes during life cycle, alkaline phosphatase activity, relationship to transcuticular uptake of nutrients

Parasite surfaces
Schistosoma mansoni, cercarial chaetotaxy, comparison of 14 strains from 4 hosts (man, Erythroleucus patas, white mice, and wild rats), variation allows differentiation of strains of human vs. murine origin during epidemiological investigations

Parasite surfaces
Bayssade-Dufour, C.; et al., 1978, Ann. Parasitol., v. 53 (6), 595-605
Diplodiscus subclavatus, D. fischthalicus, cercariae, comparison of excretory system and chetotaxy

Parasite surfaces
Schistosoma mansoni, acquisition of phospholipid antigens on surface of schistosomula

Parasite surfaces
Schistosoma mansoni schistosomules grown in vivo and in vitro, transmission and scanning electron microscopic and cytochemical studies, tegumental changes following penetration, onset of phosphatase activity

Parasite surfaces
Micromorphological structure and function of hypodermis of various groups of nematodes, functions include: support of somatic musculature and nerves, production of cuticle, storage place for nutrients (fats and glycogen), and barrier against harmful substances

Parasite surfaces
Hamatospiculum cylindrica, micromorphology of cuticle and hypodermis

Parasite surfaces
Ascaridia compar, fine structure of cuticle, hypodermis, and somatic musculature

Parasite surfaces
Echinococcus granulosus, stereological investigation of increase in surface area due to microtriches of hydatid cysts in different organs (lung vs. liver) and in different hosts (man, pigs, sheep): Sardinia

Parasite surfaces
Phocanema decipiens, iontophoretic cobalt staining of body wall, description of structure, discussion of possible functions

Parasite surfaces
Plasmodium berghei, attachment and phagocytosis of parasites by peritoneal macrophages in vitro, monocytes but not macrophages have antiphagocytic capsule (surface coat), antiphagocytic action of capsule is lost after reaction with immune serum
### SUBJECT HEADINGS

**Parasite surfaces**

- Schistosoma mansoni, human strain from West Africa, modification in cercarial hatching after several mouse passages; differences in cercarial hatching in Guadeloupe in relation to whether transmission is predominantly murine or predominantly human

**Parasite surfaces**

- Cherian, P. V.; and Dusanic, D. G., 1978, Exp. Parasitol., v. 44 (1), 14-25
- Trypanosoma lewisi, distribution of surface antigens, movements of surface antigens induced by antibody, endocytosis of antigen-antibody complexes, ultrastructural observations

**Parasite surfaces**

- Schielya inermis, embryogenesis of oncosphere, scanning and transmission electron microscopy of submucosal capsule, outer capsule, outer envelope

**Parasite surfaces**

- Trypanosoma spp., identification, purification, and characterization of class of surface glycopolypeptides which appear to be primary mediators of antigenic variations

**Parasite surfaces**

- Trypanosoma brucei, antigenic variation, characterization of major cell surface antigens, variations in amino acid sequence

**Parasite surfaces**

- Current, W. L., 1979, J. Protozool., v. 26 (2), 209-217
- Henneguya adiposa, ultrastructure of plasmodial wall and sporogenesis

**Parasite surfaces**

- Current, W. L.; Janovy, J., Jr.; and Knight, S. A., 1979, J. Protozool., v. 26 (4), 574-583
- Myxosoma fundulii, plasmodial wall, sporogenesis, ultrastructure

**Parasite surfaces**

- Davies, C., 1979, Internat. J. Parasitol., v. 9 (8), 533-564
- Microphalus similis metacercariae and adults, forebody glands and surface features, scanning and transmission electron microscopy, cytochemistry, ultrastructural microscopy

**Parasite surfaces**

- Davydov, O. N.; and Kosenko, L. Ia., 1972, Parazitologija, Leningrad, v. 6 (3), 269-273
- Ligula intestinalis, amylase in surface layer of plerocercoids and in media in which they were maintained, findings suggest capability of membrane (contact) digestion and absorption of food from host

**Parasite surfaces**

- Trypanosoma brucei subsp., comparative immunological analysis of host plasma proteins bound to bloodstream forms (presence, location, host specificity, identity, and quantity)

**Parasite surfaces**

- Diffley, P.; and Honigberg, B. M., 1978, J. Parasitol., v. 64 (4), 674-681
- Trypanosoma congolense, identification and quantitation of host albumin, nonspecific IgG, and complement (C3) bound to surface of bloodstream forms, possible functions for these surface-bound plasma proteins

**Parasite surfaces**

- Cloacitrema narrabeenesis, cystogenic cells in mature cercariae, surface structures of cercaria, formation of metacercarial cyst wall, light and electron microscopic and histochemical study

**Parasite surfaces**

- Plasmodium yoelii nigeriensis sporozoites, structure of pellicle, freeze-fracture study

**Parasite surfaces**

- Ferguson, D. J. P.; et al., 1979, Acta Path. et Microbiol., Scand., v. 87B (3), 183-190
- Toxoplasma gondii, oocyst sporulation, sporocyst formation, structure of sporocyst wall, ultrastructure

**Parasite surfaces**

- Ferrante, A.; and Thong, Y. H., 1979, Internat. J. Parasitol., v. 9 (6), 599-601
- Naegleri fowleri, antibody-induced capping and endocytosis of surface antigens, may allow amoeba to resist action of host's immune system

**Parasite surfaces**

- Ford, J. W.; and Blankespoor, H. D., 1979, Internat. J. Parasitol., v. 9 (2), 141-145
- Schistosoma, 3 human spp., eggs, scanning electron microscopy

**Parasite surfaces**

- Fruit, J.; et al., 1978, Exper. Parasitol., v. 45 (2), 183-189
- Trypanosoma cruzi, location of a specific antigen (antigen 5) on the surface of bloodstream trypomastigote and culture epimastigote forms

**Parasite surfaces**

- Fujino, T.; Ishii, Y.; and Choi, D. W., 1979, J. Parasitol., v. 65 (4), 579-590
- Clonorchis sinensis, newly excysted juveniles and adult worms, tegument, surface ultrastructure, scanning and transmission electron microscopy

**Parasite surfaces**

- Ghiotto, V.; et al., 1979, Exper. Parasitol., v. 48 (3), 447-456
- Trypanosoma brucei, morphometric changes and loss of infectivity and of surface coat during transformation of bloodstream forms to procyclic culture forms in vitro

**Parasite surfaces**

- Trypanosoma lewisi, accumulation of antigen-specific host IgG as component of surface coat during course of infection in rat
Parasite surfaces
Crithidia fasciculata, carbohydrates, further characterization of previously identified mannan, isolation and partial characterization of arabinose- and galactose-containing polysaccharide, immunological evidence suggests cell surface nature of arabinogalactan

Parasite surfaces
Trypanosoma cruzi, identification of an immunogenic cell surface polysaccharide

Parasite surfaces
Echinorhynchus gadi, Acanthocephalus lucii, Polymorphus minutus, Macracanthorhynchus hirudinaceus, integument, stereoscan and transmission electron microscopy; invaginations of outer plasma membrane increase absorptive surface, morphometric analysis, comparisons with other parasitic helminths and with rotifers

Parasite surfaces
cestodes, trematodes, integument, scanning and transmission electron microscopy, morphometry

Parasite surfaces
Bunostomum trigonocephalum, body wall (cuticle, hypodermis, and somatic musculature), ultrastructure

Parasite surfaces
Chabertia ovina, body wall, intestinal cells, ultrastructure, comparison with previously published studies of Bunostomum trigonocephalum

Parasite surfaces
Gutteckova, A.; and Zmoray, I., 1979, Biologia, Bratislava, s. B, Zool. (1), v. 34 (2), 97-105
Nematodirus filicollis, ultrastructure of body wall and intestine, influence of ecological factors on morphogenesis, phylogenetic aspects

Parasite surfaces
Ascaris lumbricoides var. suum, A. megalococephala, procedure for quantitative isolation of native chitin from fertilized eggs

Parasite surfaces
Encephalitozoon cuniculi, wall structure of sporonts grown in human fibroblasts

Parasite surfaces
Taenia taeniaeformis, complement-fixing activity washed from surface of metacestodes and characterized physicochemically, active substance may be polysulfated proteoglycan, location at host-parasite interface may have significance in evasion of immune rejection

Parasite surfaces
Hayunga, E. G.; et al., 1979, J. Parasitol., v. 65 (4), 488-496
Schistosoma mansoni, evaluation of techniques for radioisotope labeling of surface proteins from adult worms, partial characterization of surface antigens

Parasite surfaces
Hayunga, E. G.; et al., 1979, J. Parasitol., v. 65 (4), 497-506
Schistosoma mansoni, antigenicity of radiolabeled surface proteins from adult worms, immunoprecipitation with infected serum, cross-reaction with anti-Schistosoma haematobium and anti-Schistosoma japonicum serum

Parasite surfaces
Mesocestoides corti tetrathyridium, microtriches and sensory processes on surface, transmission and scanning electron microscopy, microtriches may have roles in tissue penetration and food uptake

Parasite surfaces
Cryptocotyle lingua, redia, surface morphology with special reference to birth papilla and release of cercariae, scanning and transmission electron microscopy

Parasite surfaces
Trypanosoma congoense, bloodstream trypanomastigotes and culture procyclics, lectin analysis of surface saccharides by agglutination and electron microscopic techniques

Parasite surfaces
Trypanosoma brucei, selective cleavage of variant surface glycoproteins

Parasite surfaces
Eimeria stiedai, Eimeria tenella, micropyte and oocyst wall changes associated with chemically-mediated in vitro excystation

Parasite surfaces
Jones, B. R., 1979, IRCS J. Med. Sc., v. 7 (8), 391-392
Hydatigera taeniaeformis eggs, surface topography, scanning electron microscopy and X-ray microanalysis
SUBJECT HEADINGS

Parasite surfaces
Jones, B. R.; Smith, B. F.; and LeFlore, W. B., 1977, Microbios Letters (14), v. 4, 71-77
Hydatigera taeniiformis cysticercus, surface topography of scolex, scanning electron microscopy

Parasite surfaces
Sarcocystis sp. from Macaca fasciolaris (femoral muscle), ultrastructure of cyst wall and zolites, comparison with Sarcocystis spp. from other monkeys and from moonrat: Malaysia

Parasite surfaces
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Anicylostoma caninum, comparative in vitro study of antibody binding to different stages, indirect fluorescent antibody technique applied to cryostat sections and intact worms, role of body surface in immunity, specific reaction consisted of layer covering cortex of cuticle

Parasite surfaces
Ascaridia galli, in vitro glucose uptake greater in worms from vaccinated chicks than in those from unvaccinated chicks, increased parasite surface permeability possibly related to increased host immunity

Parasite surfaces
Ascaridia galli, ATP-ase, histochemical localization in cutaneous-muscular tissue, optimal conditions for activity, effect of host immunity on activity

Parasite surfaces
Trypanosoma cruzi, 3 morphologic forms, surface charge characteristics and their use in separation of these forms, DEAE cellulose column chromatography, particle electrophoresis system

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8 species of Monogenea of fish, oncomiracidia, ciliated cells, chetotaxy

Parasite surfaces
Gyrodactylus sp. from Carassius auratus, chetotaxy, hypothesis on neotenic origin of Gyrodactylidae from same ancestral stock as Polyopisthocotylea

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Trypanosoma brucei EATRO 427, characterization of surface membrane with lectins, protectins, and blood group antisera

Parasite surfaces
Microphallus gracilis, Maritrema pyrenaica, cercariae, comparison of chetotaxy, Microphallus and Maritrema can be separated on this basis: Fenouillet, Pyrenees-Orientales
The image contains a list of references and subject headings related to parasitology, with a focus on parasites and their surfaces. The text is not clearly legible due to the image quality, but it appears to discuss various studies on parasitology, including surface characteristics, detection methods, and molecular analysis of parasitic organisms. The references include studies on Trypanosoma cruzi, Schistosoma mansoni, and other parasites, with a focus on surface protein analysis and their implications in medical research.
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Passage
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Passage
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Passage
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Passage
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Passage
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Pastures
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Pastures
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Pastures
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Pastures
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Trichostrongylus axei, development and survival of free-living stages on grass plots during autumn: south-east England

Pastures
trichostrongylid, grazing cattle, factors influencing fluctuations in herbage contamination, epidemiological consequences of intensification of animal husbandry methods: Denmark

Pastures
parasitoses of farm animals, potential effects of soil and water improvement programs

Pastures
Nikitin, V. F., 1978, Veterinarilia, Moskva (7), 59-61
helminths, cattle on irrigated pastures, occurrence, control measures: Moskovsk, Rostovsk, and Tambovsk oblasts

Pastures
Oakley, G. A., 1979, Vet. Rec., v. 104 (23), 530-531
Dictyocaulus viviparus, overwintering of larvae on pasture and survival until mid-summer without passage through grazing cattle, experimental trials

Pastures
trichostrongylid larvae, pasture infectivity for tracer lambs throughout period of one year, weather data: Guinea Savannah, Nigeria
Pastures
Haemonchus contortus, factors influencing development and survival of larvae on pasture; rainfall appeared to be the most important: Ibadan, Western Nigeria

Pastures
Haemonchus contortus, lambs (abomasum, faeces), casualties of young lambs following prolonged rainy season, further casualties at end of following dry season associated with inhibited H. contortus larvae suggest chronic haemonchosis syndrome (lambs had been previously treated with thiabendazole and rafoxanide); high pasture infection: Shika, near Zaria

Pastures
Fascioliasis, sheep, epidemiology: seasonal availability of metacercariae, parasite stages overwintering on pasture: Denmark

Pastures
Oesophagostomum quadrispinulatum, O. dentatum, failure to demonstrate overwinter survival on pastures, contamination of pastures by carrier pigs with subsequent transmission to susceptible pigs

Pastures
Trichostrongylosis, daily calves, control: rotational grazing vs. set stocking, daily removal of feces from fields, nutritional level: Kenya

Pastures
Sutherst, R. W.; et al., 1979, J. Applied Ecol., v. 16 (2), 359-372
Boophilus microplus, cattle, analysis of 3 control methods used separately and in combination (acaricides, pasture feeding, tick-resistant cattle), computer model of tick population: Australia

Pastures
Thomas, R. J.; and Starr, J. R., 1978, Vet. Rec., v. 103 (21), 465-468
Sheep nematodes, pattern of infective larvae on pasture, correlation between time of summer peak and cumulative rainfall, possible use in forecasting onset of major infection in lambs

Pastures
Thomas, R. J.; and Waller, P. J., 1979, Research Vet. Sc., v. 26 (2), 209-212
Abomasal nematodes, lambs, epidemiology during winter and spring: infective pasture larval availability, parasite population changes and inhibition patterns: Northumberland

Pastures
Tongson, M. S.; and Trovela, V., [1977]
Longevity of strongyle larvae in cattle dung pads on pasture, larvae persisted longer in pads deposited during dry vs. rainy season

Pastures
Waller, P. J.; and Thomas, R. J., 1978, Internat. J. Parasitology., v. 8 (4), 275-283
Ostertagia spp., epidemiology in natural pasture populations in sheep raised under intensive conditions, climatic conditions, egg counts and pasture larval availability, seasonal worm burdens, inhibition of larval development: north-east England

Pastures
Diarrheic feces caused by helminth infection predispose sheep to breech strike, anthelmintic treatment and other management factors reduced incidence of breech strike: New South Wales

Pastures
Wasscott, R.; and Shelton, T., 1979, West. Veterinar. v. 17 (2), 11-14
Internal parasites, cattle, prevalence on 5 ranches, effect of types of pasture, management practices, age of host, and treatment with thiabendazole: Butte County, Idaho

Pathogenesis. See Pathology.

Pathogenicity. [See also Infectivity]

Pathogenicity
Entamoeba histolytica strains from patients and from carriers, increase in infection rate and extent of pathological changes in irradiated vs. nonirradiated rats

Pathogenicity
Haemonchus contortus, lambs, primary infection with less pathogenic isolate, second infection with more pathogenic isolate, interactions of 2 populations, effect on hosts, results demonstrate degree of premunization

Pathogenicity
Akinshina, G. T.; and Desmon, Zh., 1977, Veterinarinia, Moskva (12), 80-85
Toxoplasma gondii, mechanical-secretory penetrative ability into mouse peritoneal macrophages is correlated with strain virulence, scanning electron microscopy

Pathogenicity
Trypanosoma cruzi, re-examination of person from whom extensively studied virulent Y strain had been isolated 23 years earlier, typical signs of chronic infection not evident

Pathogenicity
Relationship between parasite pathogenicity and consequent depression of host population equilibria, micro- and macroparasitic infection models, implications for use of parasites as biological control agents
Pathogenicity

Fasciola hepatica, course of experimental infections in rabbits in relation to age of metacercariae and temperature at which snail intermediate hosts have been maintained, latter considered to be a factor in virulence of metacercariae but not former

Pathogenicity

acute malaria and babesiosis, hypothesis that endotoxin (lipopolysaccharide) causes both the disease and the parasite death, experiments in mice

Pathogenicity

Trypanosoma brucei brucei, mice, influence of host strain and parasite antigenic type on course of infections

Pathogenicity

Eimeria perforans, isolation of pure strain using specific-pathogen free rabbits, measurements, sporulation time, pathogenicity

Pathogenicity

Naegleria, Acanthamoeba, pathogenic vs. non-pathogenic strains, differences in level of production of phospholipase A may explain differences in invasiveness and virulence, likely that secretion of enzyme constitutes initial steps whereby host tissue is prepared for endocytosis by these amebae

Pathogenicity

Naegleria aerobia flagellate stage, pathogenicity, bearing on epidemiology of exogenous amebiasis

Pathogenicity

Entamoeba histolytica, axenically grown parasites, revival of pathogenicity for the rat, prolonged amoeba-bacteria association is required, simple addition of fresh bacteria to amoeba inoculum is not enough

Pathogenicity

Davronov, O., 1973, Parazitologiia, Leningrad, v. 7 (2), 190-191
Eimeria sp., virulence for Mus musculus, possible use in biological control of house mice

Pathogenicity

De Jonckheere, J., 1979, Path. Biol., v. 27 (8), 453-458
Naegleria fowleri, virulence for mice of isolates from environment, effect of axenic cultivation, brain passage, and passages in Vero cell cultures, mouse strain and age differences

Pathogenicity

Trypanosoma cruzi, mice, transplacental transmission is dependent upon pathogenicity of parasite strain and phagocytic activity of placenta

Pathogenicity

Dikovskaia, V. E., 1974, Parazitologiia, Leningrad, v. 8 (6), 548-552
Eimeria tenella, 13 strains, intraspecific variability with respect to virulence, reproductive capability, and immunogenic properties: USSR

Pathogenicity

Isospora ohiensis, dogs (epithelium of small intestine, cecum, and colon) (exper.), pathology in young pups, pathogenicity was greatest in newborn and suckling pups whereas older pups (40-384 days at first inoculation) acquired immunity within 1 week

Pathogenicity

Dubey, J. P., 1979, J. Protozool., v. 26 (3), 433-443
Isospora rivolta, life cycle in cats and mice, pathogenicity for newborn but not for weaned cats

Pathogenicity

Ebert, F.; Buse, E.; and Muehlpfordt, H., 1979, Ztschr. Parasitenk., v. 59 (1), 31-41
Leishmania donovani, virulent vs. avirulent promastigotes in hamster peritoneal macrophages in vitro, attachment, process of engulfment, amastigote multiplication, localization, light and electron microscopy

Pathogenicity

Trypanosoma cruzi, strain isolated from Triatominae, infestans captured in Vitichi, Bolivia, severe pathogenicity for mice, mice recovered from infection have high resistance against reinfection by the Y strain, Bolivia strain easily cultured and regularly infective for several triatomines

Pathogenicity

Neoplectana caracopasae infective-stage juveniles, ultraviolet radiation and sunlight as factors limiting effectiveness as biological control agent, reduced pathogenicity and inhibition of nematode reproduction and development in Galleria mellonella larvae (exper.)

Pathogenicity

Entamoeba histolytica, 1P-106 strain did not lose virulence after 11 years of axenic cultivation, pathogenic potential demonstrated in golden hamsters

Pathogenicity

Ghadirian, E.; and Meeroivitch, E., 1979, J. Parasitol., v. 65 (5), 768-771
Entamoeba histolytica, axenically-cultivated strain 200:NIH, pathogenicity in the hamster
Pathogenicity
Han, T. W., 1978, Research Rep., Office Rural Develop., Min. Agric. and Fish., Korea, v. 20, 53-88
Theileriosis, cattle, historical review, seasonal and host age incidence, duration of parasitaemia, relapse time; transmission of Theileria sp. to cattle using Boophilus microplus and Haemaphysalis longicornis; pathogenicity and immunogenicity of Korean and Japanese strains of T. sergenti compared: Korea

Pathogenicity
Hasegawa, H.; et al., 1976, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 25 (4), 254-261
spirurid larvae, identification and examination of pathogenicity for humans

Pathogenicity
Theileria annulata, 3 strains of varying virulence, calves (exper.), primary infections with different doses, parasitological findings, host temperature, resistance to challenge with homologous and heterologous strains

Pathogenicity
Camelostrongylus mentulatus, distribution in abomasum and pathogenicity during development in sheep (exper.)

Pathogenicity
Ito, Y.; et al., 1976, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 25 (3), 133-140
Toxoplasma gondii, Beverley strain, mice, pathogenicity of tachyzoites, cysts and oocysts

Pathogenicity
Plasmodium b. berghei, pyrimethamine-resistant strain preserved at very low temperature for 11 years, maintained virulence but lost drug resistance, gametocytogenesis increased, cyclical transmission was unsuccessful, parasites crossed blood-brain barrier indicating this strain could serve as laboratory model for P. falciparum cerebral malaria

Pathogenicity
Trypanosoma evansi infection in imported capybara, study of virulence in laboratory animals

Pathogenicity
Kaliakin, V. N.; and Slepchenko, A. R., 1971, Parazitologiia, Leningrad, v. 5 (6), 559-562
Encephalitozoon cuniculi, mice of several strains and substrains, no natural infections found, susceptibility to experimental infection, parasite virulence increases with mouse passage

Pathogenicity
Trypanosoma carinii, amastigote and trypomastigote forms, surface antigen, relationship to virulence

Pathogenicity
4 strains of free-living amoebae isolated from lakes in Poland, pathogenicity for mice, response to several drugs, identified as Acanthamoeba spp. on basis of morphology and protein disc electrophoretic patterns

Pathogenicity
Khavkin, Th. N.; and Freidlin, I. S., 1977, Ztschr. Parasitenk., v. 52 (1), 19-21
Toxoplasma gondii in parasitophorous vacuoles of mouse peritoneal macrophages, lysosomes in macrophages stained with quinacrine, fluorescence microscopy shows that lysosomes do not fuse with vacuoles containing viable parasites, may be factor in pathogenicity

Pathogenicity
Balantidiosis, colony-born splenectomized Pan troglodytes (mucosal and submucosal layers of colon and caecum; faeces) concomitantly infected with Strongyloides stercoralis and Shigella flexneri, fatal infection, case report

Pathogenicity
Schistosoma mansoni-Toxoplasma gondii concomitant infections, mice, Schistosoma-Toxoplasma order of infection caused massive mortality, great weight loss and striking splenomegaly, Toxoplasma-Schistosoma order caused few notable effects

Pathogenicity
Knight, R. A., 1978, J. Parasitol., v. 64 (4), 601-605
Fasciola hepatica of ovine and bovine origin, effects of experimental infection in homologous and heterologous hosts, "Since there appear to be no strain differences in infectivity and pathogenicity of flukes from sheep and cattle, sheep and cattle isolates would more correctly describe flukes cultured from one or the other host."

Pathogenicity
Levchenko, N. G.; Tokarev, G. G.; and Grinin, V. S., 1974, Parazitologiia, Leningrad, v. 8 (6), 543-547
Plistophora tabani sp. n., pathogenicity

Pathogenicity
Eimeria grenieri in Numida meleagris (intestine, caeca) (nat. and exper.), life cycle, reproduction rate, pathogenicity (severe depression of body weight gain), immunity to reinfection, treatment with sulphadoxine in drinking water and robenidine in food: Britain

Pathogenicity
Long, P. L.; and Millard, B. J., 1979, Parasitology, v. 78 (1), 41-50
Eimeria dispersa, isolation from turkeys in Britain, life cycle and reproduction, cross-protection against American strain, electrophoretic analysis of enzymes, host specificity studies, in vitro growth studies, gross pathology, pathogenicity, immunogenicity
Pathogenicity
Entamoeba histolytica, periodic hamster liver passage enhances virulence of axenically cultured trophozoites, statistical analysis

Pathogenicity
Giardia muris, laboratory mice, pathogenicity, morphological findings, transmission electron, scanning electron and light microscopy

Pathogenicity
Trypanosoma enhydri, virulence in Natrix stolata (exper.) and in Enhydri enhydri (nat. and exper.) after passage in Natrix stolata: Chakdah, Nadia Dist., West Bengal (India)

Pathogenicity
Markowitz, S. M.; et al., 1978, Am. J. Path. (436), v. 92 (3), 733-743
Acanthamoeba castellani, mice (exper.), pretreated with methylprednisolone or tetra-cycline, increased host mortality due to depressed host immunity; potentially pathogenic role for naturally occurring Acanthamoeba sp. in immunosuppressed humans

Pathogenicity
Sarcocystis and sarcocystosis in domestic animals and man, extensive review (life cycle; host specificity; pathogenicity and pathology; immunology and serology)

Pathogenicity
Neoaplectana sp. (DD-136), pathogenicity to insect crop pests, potential as biological control agent

Pathogenicity
Entamoeba histolytica, rapid in vitro assay for cytopathogenicity of axenically cultivated strains, results compared with in vivo virulence assays

Pathogenicity
Entamoeba histolytica, viral conversion of virulence, data indicate that amebae surviving virus infection may be increased, decreased, or unaltered in virulence unrelated to virulence of amebal strain serving as viral donor

Pathogenicity
Entamoeba histolytica, restoration of virulence of two axenic strains by means of incorporation of cholesterol into culture medium

Pathogenicity
Trypanosoma cruzi, avirulence of cultivated Y strain, dogs and mice

Pathogenicity
Trypanosoma cruzi, cultivated Y strain, avirulence demonstrated by failure to infect immunosuppressed mice

Pathogenicity
Trypanosoma cruzi, demonstration of avirulence of PF strain in mice vaccinated and treated with immunosuppressive drugs

Pathogenicity
Trypanosoma cruzi, cultivated Y strain (now PF strain), avirulence unaffected by successive inoculations into mice or by high doses of prednisolone used simultaneously

Pathogenicity
Trypanosoma cruzi, antilymphocytic serum enhanced infection in dogs infected with virulent strain of parasite but could not promote evident infection and disease in dogs injected with live avirulent T. cruzi PF strain

Pathogenicity
Trypanosoma cruzi, PF strain, avirulence in mice, protective effect against subsequent challenge with virulent strain

Pathogenicity
Mills, A. J., 1978, N. Zealand Entom., v. 6 (4), 392-399
Mattesia sp. and Nosema takapauensis in Costelytra zealandica, incidence among larvae, seasonal distribution, growth and development of diseased larvae, mortality, transmission by soil: New Zealand

Pathogenicity
Nasyrov, F. Sh.; and Iusypov, K. A., 1974, Parazitologija, Leningrad, v. 8 (1), 77-81
Leishmania tropica major, 13 strains isolated from humans, virulence for white mice, pathogenicity factors (hyaluronidase, fibrinolysin, plasmocoeagulase, Nuran-Reynals factor, demonecrotoxic properties): Termes

Pathogenicity
Nerad, T. A.; and Daggett, P. M., 1979, J. Protozool., v. 26 (4), 613-615
Naegleria fowleri, N. gruberi, isoenzyme electrophoresis as effective method for separation of pathogenic and nonpathogenic Naegleria strains
Pathogenicity
Cutaneous leishmaniasis resembling ‘moist’ form caused by Leishmania tropica major in 24-year-old male Peace Corps volunteer in Senegal, case report, persistent organisms in healing lesions after multiple courses of treatment and in presence of normal humoral and cell-mediated immune response.

Pathogenicity
Nøt, G. V., 1973, Parasitologia, Leningrad, v. 7 (1), 75-78
Leptomonads, differentiation of pathogenic (Leishmania tropica major) from non-pathogenic strains by their reaction to increased incubation temperatures in vitro.

Pathogenicity
Payares, G.; and Ercoli, N., 1978, Exper. Parasitol., v. 45 (1), 1-7
Schistosoma mansoni, drug-immobilized cercariae have reduced virulence but are not dead, cercariae become avirulent only when flame cell is affected, no protection against reinfection in mice injected with immobilized cercariae of reduced virulence.

Pathogenicity
Pilley, B. M., 1976, J. Invert. Path., v. 28 (2), 177-183
Vairimorpha necatrix [n. comb.] in Spodoptera exempta, pathogenicity (occurrence of bacteriosis and cytoplasmic polyhedrosis virus), life cycle (disporoblastic life cycle at 25°C and both disporoblastic and octosporoblastic life cycle at 20°C), implications of polymorphism in relation to classification of Microsporidia.

Pathogenicity
Poluboiarova, G. V.; and Iaps, V. V., 1978, Vestnik Sel’skokhoz. Nauki Kazakhstan (10), 89-91
Besnoitia besnoiti, maintained in tissue culture vs. fresh from cutaneous cysts, equally virulent for susliks, similar pathological changes.

Pathogenicity
Tachinella spiralis, larvae decontaminated with antibiotics and normal larvae, determination of lethal dose for conventional and germfree mice.

Pathogenicity
Purnell, R. E.; et al., 1978, J. Comp. Path., v. 88 (3), 419-423
Babesia divergens, reactions of splenectomized calves to inoculation of infected blood taken from a calf during its reaction and carrier phases, parasite virulence, possible role in immunization.

Pathogenicity
Farinocystis tenebroides n. sp., life cycle, pathogenicity.

Pathogenicity
Neoaplectana cariopacapsae in Hylolobius abietis (exper.) (haemocoele), pathogenicity, possible use in biological control.

Pathogenicity
Helminth infections in imported Macaca mulatta, incidence, pathogenicity, and treatment: imported from northern India to Primate Quarantine Unit, Oxford University.

Pathogenicity
Rondanelli, E. G.; et al., 1976, Recenti Prog. Med., v. 61 (2), 137-162
Leishmania donovani and L. tropica promastigote forms in vitro, basis for qualifying characters of ultrastructural organization of genus Leishmania and aspects of its reproduction and pathogenicity; promastigote and endomastigote phases discussed.

Pathogenicity
Rydi, M., 1977, Wien. Tierarztl. Monatschr., v. 64 (2), 58-60
Glossatella piscicola, possible pathogenicity in rainbow trout.

Pathogenicity
Leishmania adleri, virulence for Cricetus auratus increases with successive passage, ultrastructure of leptomonad stage and characteristics of localization of specific antigens, antigenic comparison with Leishmania of mammals and leptomonads of reptiles.

Pathogenicity
Trypanosoma cruzi in Rhodnius prolixus, infectivity of avirulent PF strain compared with virulent Y strain.

Pathogenicity
Entamoeba histolytica, differentiation of invasive and non-invasive forms by isoenzyme electrophoresis.

Pathogenicity
Toxoplasma, low-virulence strains, frequent serial passage in mice increased virulence.

Pathogenicity
Soil amoebae potentially pathogenic to man, existence in Canada, results of survey from various areas of Ontario, experimental infections in mice.

Pathogenicity
Naegleria amoebae contain virus-like particles and an unassociated infectious agent, possible relationship to pathogenicity, review.
Pathogenicity
Serebriakov, V. A.; et al., 1973, Parazitologiya, Leningrad, v. 7 (5), 385-388
Leishmania tropica major, evaluation of criteria for determining strain virulence in vitro, ability to form fibrinolysin is only reliable indicator

Pathogenicity
Shcheulov, A. P., 1974, Parazitologiya, Leningrad, v. 8 (6), 553-562
Toxoplasma gondii, rabbits immunized with high vs. low virulence strain, immunodiffusion and complement fixation tests, serum protein fractions

Pathogenicity
Hartmanella, amebas of Limax group, strains N and A-I, morphology, pathogenicity to mice

Pathogenicity
Shirley, M. W., 1979, Avian Path., v. 8 (4), 469-475
Eimeria mivati, chickens (exper.), 3 strains (2 chicken-maintained, 1 embryo-adapted), pathogenicity compared with E. acervulina, cross-protection between virulent and attenuated strains

Pathogenicity
E[ntamoeba] histolytica, intrahepatic inoculation in Cricetus auratus of human strain associated with Blastocystis hominis, liver abscess, diagnosis, results demonstrate the tissue adaptability of B. hominis and its potential as a conditioned pathogen

Pathogenicity
Singh, B. N.; and Hanumaiiah, V., 1977, Protozoology, v. 3, 183-191
Tetramastigamoeba hoarai n. g., n. sp., mice (exper.), mildly pathogenic

Pathogenicity
Babesia bovis, calves, exposed by injection of infected blood or application of infected Babesia microplus larvae, laboratory conditions, greater severity in tick-induced infections, severe reactions and high mortality occurring among older animals; tick transmission under laboratory conditions as useful research tool

Pathogenicity
Schistosoma margrebowiei, morphology of egg, miracidium, and cercaria, compatibility with Bulinus spp., development in Mesocricetus auratus, pathogenicity

Pathogenicity
Dientamoeba fragilis, children with acute and chronic gastrointestinal symptoms, clinical findings, symptomatic recovery after treatment with diiodohydroxyquin or metronidazole indicates pathogenic role

Pathogenicity
Stabler, R. M.; and Braun, C. E., 1979, Calif. Fish and Game, v. 65 (1), 56-58
Trichomonas gallinae, Colorado race of bird-tailed pigeon highly susceptible to virulent California-derived parasite strain

Pathogenicity
Entamoeba, several species and strains, comparison of in vitro ingestion of human erythrocytes (HRBC), E. histolytica isolated from cases of human dysentery show significantly higher phagocytic rate of HRBC ingestion than nonpathogenic strains and than other Entamoeba not pathogenic for mammals, however all Entamoeba tested are able to ingest HRBC

Pathogenicity
4 spp. of coccidia, pigs (exper.), only slightly pathogenic, no gross observable lesions

Pathogenicity
Wellde, B. T.; and Diggs, C. L., 1978, Exper. Parasitol., v. 44 (2), 197-201
Plasmodium berghei, mice, antiserum treatment of infections resulted in population of parasites with altered antiserum susceptibility and virulence

Pathogenicity
Young, A. S.; et al., 1978, Parasitology, v. 76 (1), 99-115
Theileria mutans isolated from cattle exposed in Narok District of Kenya, transstadially transmissible by Amblyomma variegatum but not by Rhipicephalus appendiculatus, mechanically transmissible by blood containing piroplasms or lymphoid cells infected with schizonts, course of infection, pathogenicity, and morphology in cattle (exper.)

Pathogenicity
Yoweri, P.; et al., 1978, Ann. Recherches Vet., v. 9 (3), 531-539
Eimeria adenoide, turkeys (exper.), single and multiple infections, pathology, suggested role of bacteria in pathogenic potential

Pathology
[See also Immunopathology; Names of specific organs and organ systems]

Pathology
physiology of fish parasites, review: chemical composition; physical environmental parameters (salinity, temperature, oxygen tension); nutrition (role of gut, role of tegument); metabolism (carbohydrates, nitrogenous compounds, lipids); growth physiology; host-parasite relations (pathology, host specificity and immunity)

Pathology
parasitic infestations in children, effect on intestinal absorption as determined by assay of fasting serum carotene and vitamin A levels and by vitamin A tolerance tests: Orphanage Institute of Giza and El-Zeitoun, Egypt
Pathology
role of epidemiology in studies on pathogene-
sis of tropical diseases, review

Pathology
Buck, A. A.; Anderson, R. I.; and MacRae, A. A., 1978, Tropenmed. u. Parasitol., v. 29 (3), 253-268
polyparasitism, humans, epidemiology, assess-
ment of combined effects of multiple infec-
tions on an individual's state of health, com-
parative analysis of field data obtained from several tropical villages

Pathology
Dailly, M. D.; and Walker, W. A., 1978, J. Parasitrol., v. 64 (4), 593-596
60 stranded and 31 control cetaceans, para-
sites recovered, associated pathology, role
of parasites as possible contributing factor in
stranding behavior: southern California

Pathology
diseases of cattle, horses, and dogs, esti-
imation of enzymes GOT and GPT to evaluate
degree of hepatic involvement

Pathology
Hottendorf, G. H.; and Hirth, R. S., 1974, Vet. Path., v. 11 (3), 240-258
parasites in survey and classification of
subclinical diseases of 1000 laboratory dogs

Pathology
Koerting, W., 1977, Fisch u. Umwelt (4), 37-48
fish parasites, histopathological changes

Pathology
Lumsden, R. D., 1979, Host-Parasite Interfaces, 49-70
helminth parasitism, mammalian inflammatory
response, review of morphological aspects of
host-parasite interaction

Pathology
Oomen, J. M. V.; Meeuwissen, J. H. E. T.; and
Gemert, W., 1979, Trop. and Geogr. Med., v. 31 (4), 587-606
males of 3 ethnic groups and 3 age groups
inhabiting same locality, haematological
status (including anemia), spleen and liver
enlargement, immunoglobulin status, malaria
parasite rates, other parasite infections,
possible associations between these and
other factors (including nutrition, sickle
red cell trait, altered immune response to
malaria): Northern Nigeria

Pathology
cell injury and parasitic infection, malarial
infection as model for cell injury

Pathology, Acanthocephala
Pomphorhynchus laevis in Salmo salar, site
and abundance in intestine, pathology, geo-
graphic distribution, distribution of inter-
mediate hosts, possible use as biological
tag

Pathology, Acanthocephala
Rengaraju, V., 1979, Current Sc., Bangalore, v. 48 (17), 765-768
Porrorchis indicus-infected Centropus sinen-
sis, histological and histochemical altera-
tions in intestine

Pathology, Arthropoda
Afanas'ev, V. I., 1978, Veterinariia, Moskva (8), 71-72
Lernaea cyprinacea, Argulus foliaceus,
Phestodiplopostomum cuticula, pathology in
fish

Pathology, Arthropoda
Bishop, R. K.; and Cannon, L. R. G., 1979, J. Fish. Dis., v. 2 (2), 131-144
Sacculina granifera, morbid behavioral
changes in infected Portunus pelagicus; con-
cluded that parasite secretes hormonal mimic
which induces ovigerous behavior which maxi-
mizes survival of parasite population

Pathology, Arthropoda
canine dermatitis, broad review of etiology,
pathogenesis, diagnosis, and treatment

Pathology, Arthropoda
Chakrabarti, A.; and Misra, S. K., 1978, Indian J. Animal Sc., v. 48 (6), 466-468
Demodex canis, dogs, occurrence, pathology
of mandibular, parotid, retropharyngeal, and
prescapular lymph nodes: India

Pathology, Arthropoda
Sarcoptes scabiei var. ovis, sheep, severe
infestation, clinical and histopathology,
Pfizona dipping: Kaduna State, Nigeria

Pathology, Arthropoda
Babesia bigemina- and B. bovis-immunized Bos taurus calves transported to lowland tropics,
exposed to heavy vs. light Boophilus micro-
plus infestation, resulting B. bigemina, and
B. bovis parasitemias, mortality, weight
loss, and anemia: Caribbean Coast, Colombia

Pathology, Arthropoda
Demodex longissimus n. sp., D. demodex, infestation, clinical and histochemical
histopathology, geographic distribution, distribution of inter-
mediate hosts, possible use as biological
tag

Pathology, Arthropoda
Megaselia triplorhina, case report: Tokyo,
Japan

Pathology, Arthropoda
Metrick, D. F.; Budziakowski, M. E.; and Podesta, R. B., 1979, Canad. J. Physiol. and
Pharmacol., v. 57 (8), 882-886
Moniliformis dubius, net fluxes of electro-
lytes in infected rat intestine
Pathology, Arthropoda
Dorrestein, G. M.; and Van Bronswijk, J. E. M. H., 1979, Vet. Parasitol., v. 9 (4), 389-398
Trixacarus caviae as cause of mange in Cavia porcellus (nat. and exper.), clinical symp-
tomology, pathology, treatment; papular urti-
caria in humans associated with mangy guinea-
pigs: The Netherlands

Pathology, Arthropoda
Cepheneiyma stimulator on Capreolus capreolus, incidence and intensity in relation to host age and sex, time of year, and host density, effect of parasite on host, possible control by planned reduction of host population: Pol-
land

Pathology, Arthropoda
Anelasma squalicola, parasitism of shark, brief description of invasive rootlike processes, mild chronic inflammation: Skagerak (NNV Hirtshals, Danmark)

Pathology, Arthropoda
ophthalmomylasis, humans, migration of mag-
got through subretinal space producing wide-
spread ophthalmomonic and fluorescein angiog-
graphic changes, case reports

Pathology, Arthropoda
tick paralysis in 3 children (one case caused by Ixodes scapularis), different presenting neurologic symptoms with each child, tick discovered on each, clinical case reports, importance of differential diagnosis in acute onset of paralysis or ataxia: Mississippi

Pathology, Arthropoda
Hase, T.; et al., 1978, J. Parasitol., v. 64 (4), 712-718
Leptotrombidium spp., mice, local host tissue reactions at sites of feeding, modes of stylostome (feeding tube) formation, possible importance of stylostome characteristics to transmission of rickettsial organisms

Pathology, Arthropoda
scabies associated with acute glomerulo-
nephritis, pediatric patients, incidence and predisposing factors, clinical and bi-
ological features, recommendations for manage-
ment: Livingston Hospital, Port Elizabeth

Pathology, Arthropoda
Theileria parva transmitted by Rhipicephalus appendiculatus to calves (exper.), histo-
pathologic and electron microscopic studies of cutaneous lesions

Pathology, Arthropoda
Argas walkerae, in vitro effects of tick paralysis toxin on chicken peripheral nerves under oxygen saturated and anoxic conditions

Pathology, Arthropoda
Leung, Y. M., 1976, Scient. Rep. Whales Re-
search Inst. (28), 153-160
Cyamus scammoni, life cycle on gray whale, study of parasite reproduction during host migration periods, damage to host cutaneous tissue, ability to survive out of water for several days, comparisons with C. ceti and C. kessleri life cycles: off central Cali-
fornia coast; shore station at Pt. San Pablo, California; Pt. Barrow, Alaska

Pathology, Arthropoda
McKenzie, B. E.; Lyles, D. I.; and Clink-
v. 172 (2), 175-175
Cuterebra sp., kitten (right cerebral hemisphere), case report, pathology

Pathology, Arthropoda
Medinskii, B. L., 1977, Veterinariia, Moskva (9), 70-71
[Melophagus], sheep, blood changes (anemia, neutrophilia, lymphocytopenia)

Pathology, Arthropoda
Moser, N.; and Taylor, S., 1978, Canad. J.
Zool., v. 56 (11), 2372-2376
Cardioectodes medusaeanus on Stenobrachius leucoparsus, prevalence in different collect-
ion sites and seasons, effects on host (pathology, mortality, parasitic castration, promoting somatic growth); hyperparasitism of copepods by Hydrichthys sp.: off Los Angeles; off Santa Barbara; off San Diego

Pathology, Arthropoda
Musatov, V. A., 1978, Veterinariia, Moskva (6), 57-61
ixodid ticks, pathology of host skin reaction to bite and feeding, nonspecific (innate) reaction and specific immune reaction

Pathology, Arthropoda
Natarajan, P.; and Nair, N. B., 1977, Hydro-
biologia, v. 40 (1), 69-76
Pseudocycnus armatus on Indocybium guttatum (gills), position and organs of attachment, mouth cone, alimentary canal, pathological effects, histopathology: Trivandrum beach, south-west coast of India

Pathology, Arthropoda
Natarajan, P.; and Nair, N. B., 1977, J. Animal
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Lernaeenicus hemirhamphi on Hemirhamphus xanthopterus and H. far, effects on length, weight, gonad development, and blood compo-
sition

Pathology, Arthropoda
v. 13 (4-5), 389-428
host-ectoparasite interactions, review: hematologic and clinical manifestations of infestation, arthropod antigens and host antibodies raised against them, manifesta-
tions of antigen-antibody interaction, histo-
pathologic reactions of skin to arthropod feeding and acquired resistance to arthro-
pods, genetics of host resistance, economic effects of parasitism, speculation on nature of innate and acquired resistance

Pathology, Arthropoda
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1979, Expier. Parasitol., v. 48 (2), 259-264
Polyplax serrata, histopathology of skin in mice that do (CFW strain) and do not (C57BL strain) develop resistance
Pathology, Arthropoda
Ixodes ricinus, penetration and host tissue reactions during feeding of viruliferous ticks on Mesocricetus auratus (exper.)

Pathology, Arthropoda
Demodex gapperi in Clethronomyos gapperi (Meibomian ducts), gross signs, development of eyelid closures, histopathology: born in captivity to female captured in Peru, Vermont, U.S.A.; wild-caught in Belchertown, Massachusetts, U.S.A.

Pathology, Arthropoda
Demodex folliculorum bovis, cattle, clinical observations and gross pathology, histopathology, concomitant infections with Dermatophilus congolensis and Resnoitia besnoiti: Nigeria

Pathology, Arthropoda
Ogunsusi, R.; and Parker, O. S.; and Chaney, A. H., 1979, J. Parasitol., v. 64 (2), 336-342
Psoroptes communis, sheep, clinical and pathological observations

Pathology, Arthropoda
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Scabies, humans, case reports, postscabetic lymphoproliferative disorders, clinical aspects

Pathology, Arthropoda
Psoroptes cuniculi-infected (exper.) vs. uninfected Oryctolagus cuniculus 'famili.', measurements of skin temperature, rectal temperature, heart rate, and respiratory frequency under thermoneutral conditions

Pathology, Arthropoda
Hypoderma bovis, pathogenesis in cattle, content of sialic acid, properdin, and proteins in blood serum during course of complete cycle of infestation

Pathology, Arthropoda
Romestand, B., 1979, Ann. Parasitol., v. 54 (4), 423-448
Cymothoidae of teleost fish, hematophagy, host immune response, biochemical, histological, haematological, and biometrical (growth) changes in infected hosts

Pathology, Arthropoda
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Anilocra physodes, Meinertia oestroides, Emetha audouini, teleost fishes, blood values, anemia, hypertrophy and hypervascularization of spleen: Herault, France

Pathology, Arthropoda
Meinertia oestroides, degeneration and histological changes of tongue of Boops boops

Pathology, Arthropoda
Rothschild, H. W.; Sjölin, K. E.; and Kristensen, N. P., 1976, Ugeskr. Laeger, v. 138 (40), 2437-2440
Tunga penetrans, Danish tourist to Gambia, severe infestation of feet after exposure to sandy beaches; pathology, scanning electron microscopy of fleas, suggested control measures

Pathology, Arthropoda
Rovere, R. J.; and Nuñez, J. L., 1977, Gac. Vet., Buenos Aires (319), v. 39, 172-177
Psoroptes communis ovis, sheep, histopathology of skin, acute and chronic cases

Pathology, Arthropoda
Rubillianni, C.; and Payen, G. G., 1979, Gen. and Comp. Endocrinol., v. 58 (2), 215-228
Sacculina carinica-infected Carcinus spp., histology of central nervous system, destruction of neurosecretory areas: Roscoff, Finistere; Sete, Herault

Pathology, Arthropoda
Gasterophilus intestinalis larvae, horses (stomach), scanning electron microscopy of lesions

Pathology, Arthropoda
Williams, R. E.; Hair, J. A.; and McNew, R. W., 1978, J. Parasitol., v. 64 (2), 336-342
Amblyomma maculatum on pastured Hereford steers, effects of tick infestation on blood composition and weight gain

Pathology, Lestona
Human splenic echinococcosis, case reports, clinical aspects, surgical management
Pathology, Cestoda

Echinococcus multilocularis sibiricensis, C57L/J mice infected with 20 or 100 cysts, pathology of spleen, lymph nodes, and thymus at 2, 4, 8, and 12 weeks postinfection, implications for immunological status

Pathology, Cestoda

Echinococcus granulosus, mice, pathological changes in thymus-dependent areas of spleen and lymph nodes

Pathology, Cestoda

human ocular cysticercosis, pathology, possible complications, currently used surgical procedures and new technique described: Brazil

Pathology, Cestoda

human renal echinococcosis, case report of infection diagnosed after daughter cysts were excreted via the urinary tract, clinical aspects

Pathology, Cestoda

Alvarez Cambras, R.; et al., 1973, Rev. Cubana Cirug., v. 12 (4-6), 457-467
Echinococcus granulosus, human, case report, involvement of hip and pelvic bones, presentation with symptoms of chondrosarcoma, surgical management: Cuba

Pathology, Cestoda

Aminzhanov, M., 1977, Veterinariia, Moskva (12), 86-88
echinococcosis, sheep, hematological changes, relationship to stage of parasite development, number of reinfections, and duration of infection

Pathology, Cestoda

Andreasen, J.; Hindsbo, O.; and Ruitenberg, E. J., 1978, Immunology, v. 34 (1), 105-113
Hymenolepis diminuta in congenitally athymic (nude) mice vs. their thymus-bearing littermates, worm kinetics and intestinal histopathology, passive immunity showed no conclusive role of serum antibodies in host protection, host protection was dependent on number of worms and worms could be expelled in absence of functional T-cells

Pathology, Cestoda

Echinococcus granulosus, human, cysts of thyroid, differential diagnosis by thin-needle biopsy, case reports: Chile

Pathology, Cestoda

Taenia solium, cysticercosis of supratentorial ventricular system, human case reports, diagnosis by ventriculography, surgical treatment

Pathology, Cestoda

Cysticercus tenuicollis, pigs (omentum), 3 cyst types (common, intermediate, degenerative) compared, migratory route of bladder worm

Pathology, Cestoda

Bianca, T.; et al., 1977, Studi Sassaresi, Sez. II, Med., v. 55 (5-6), 515-538
echinococcosis, human kidney, extensive clinical review, diagnosis, pathology, therapy, surgical management, case report

Pathology, Cestoda

human echinococcosis, solitary epidermal cyst, radiologic diagnosis, clinical management, surgical excision, case report

Pathology, Cestoda

echinococcosis, woman, case report of primary hydatid cyst of large ligament supporting internal reproductive structures: Italy

Pathology, Cestoda

Chassain, A. P.; and Aberkane, A., 1974, Rev. de Med. Limoges, v. 5 (2), 91-96
human pulmonary hydatid cysts, measurements of respiratory functions (vital capacity, residual respiratory volume, maximum expiratory volume) in infected persons, discussion of significance of these findings

Pathology, Cestoda

Conigliaro, S.; and Gilardi, F. F., 1972, Rassegna Clin.-Scient., v. 48 (11), 343-347
human echinococcosis, cysts of pulmonary and pleural regions, differential diagnosis, clinical management

Pathology, Cestoda

Cristoffanini, A.; et al., 1976, Rev. Med. Chile, v. 104 (12), 921-924
Diphyllobothrium latum, human, associated megaloblastic anemia, case report: Chile

Pathology, Cestoda

Echinococcus granulosus infection in man, pathology, morphological characteristics of larval stages, case reports from various South American countries reviewed, exper. animal infections, man thought to be accidental host

Pathology, Cestoda

Diphyllobothrium latum, tissue reaction to plerocercoids varies with different organs of fish hosts

Pathology, Cestoda

Egizbaeva, Kh. I.; and Erbolatov, K., 1975, Acta Parasitol. Polon., v. 23 (12-25), 243-246
Gas trotaenia dogielii, histopathology in ducks (exper.)

Pathology, Cestoda

Egizbaeva, Kh. I.; and Erbolatov, K., 1975, Acta Parasitol. Polon., v. 23 (12-25), 243-246
Gas trotaenia dogielii, histopathology in ducks (exper.)

Pathology, Cestoda

human echinococcosis, rupture of hepatic cyst into peritoneum with resulting peritonitis, 2 case reports, clinical management: Spain
Pathology, Cestoda


Pathology, Cestoda

echinococcosis, renal infections in children, pathology, diagnosis, usefulness and limitations of Casoni skin test and serological tests: South Africa

Pathology, Cestoda

human echinococcosis, pathology with emphasis on cysts of liver and lung

Pathology, Cestoda

Georgescu, P.; et al., 1975, Rev. Chir. (Chirurgia), Bucuresti, v. 24 (4), 277-281
echinococcosis, human hepatic cysts with complicating abscesses and lung fistulae, clinical case reports

Pathology, Cestoda

Glumov, V. Ia.; and Abdrakhmanov, Rassegna Internaz. Gastroenterolog., v. 45 (1), 157-160

Pathology, Cestoda

Goepel, W., 1970, Psychiat., Neurol. u. Med. 54 (5), 276-284
echinococcosis, alveococcosis, human liver, pathomorphology

Pathology, Cestoda

Goebel, N.; and Gander, M. P., 1977, Psychol., v. 22 (1), 32-38
human cysticercosis, case report of patient with generalized cerebral infection manifesting as meningoencephalitis, diagnosis only after surgical intervention

Pathology, Cestoda

echinococcosis, human, case report of hepatic hydatid cyst with rupture into peritoneal cavity, clinical aspects, differential diagnosis, surgical management: Italy

Pathology, Cestoda

Gruenther, R.; et al., 1975, ROEFO, v. 122 (3), 242-244
Echinococcus multilocularis, man, case report, alveolar hydatid disease with extensive biliary obstruction and large cavitation in the liver due to necrosis, clinical, epidemiologic and radiologic diagnostic findings

Pathology, Cestoda

human peritoneal echinococcosis with associated encapsulated peritonitis, clinical case report: Spain

Pathology, Cestoda

Hayunga, E. G., 1979, J. Fish Dis., v. 2 (3), 239-248
Gluridacris catostomi, G. laruei, and Hunterella nodulosa in Catostomus commersoni, fine structure of parasite-host interface at site of attachment, intestinal pathology, light and electron microscopy: vicinity of Albany, New York

Pathology, Cestoda

hepatic hydatid cyst, man, with associated congenital hepatic fibrosis, clinical case report: Madrid, Spain

Pathology, Cestoda

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helminth infections of liver, humans, diagnosis, pathology, extensive clinical review

Pathology, Cestoda

Capingentoides moghei in Heteropneustes fossilis, histopathology, stomach wall

Pathology, Cestoda

echinococcosis, cysticercosis, trichinosis affecting human heart, diagnostic problems in relation to clinical and pathological findings, case reports

Pathology, Cestoda

Jha, S. N.; et al., 1977, Kerala J. Vet. Sc., v. 8 (1), 119-125
Fasciola gigantica, G[igantocotyle] ex-planatum, and Echinococcus granulosus in bovines, incidence, gross and microscopic pathology: Bihar, India

Pathology, Cestoda

Kameswari, M.; Ramulu, G. R.; and Rao, L. N., 1979, Indian J. Exper. Biol., v. 17 (9), 976-979
helminth-infected Rana tigrina, macromolecular changes in liver

Pathology, Cestoda

Kishore, N.; et al., 1977, Indian J. Animal Research, v. 11 (2), 105-106
Fimbriaria fasciolaris, ducks (intestine), pathology: Patna

Pathology, Cestoda

Klemencic, J.; et al., 1976, ROEFO, v. 124 (1), 40-43
human echinococcosis, radiological course of pulmonary hydatid cyst before and after rupture into bronchial system, resultant tissue changes and discussion of surgical treatment, case report

Pathology, Cestoda

Koo, K. I.; Shin, H.; and Shin, N. Y., 1976, Taehan Ankwa Hakhoe Chapchi (J. Korean Ophth. Soc.), v. 17 (1), 111-114
Cysticercus cellulosae, human eye, pathology, clinical aspects, case reports

Pathology, Cestoda

Taenia saginata, experimental cysticercosis in calves infected with eggs or oncospheres orally or intravenously, course of infection with emphasis on intensity and localization of cysticerci
Hymenolepis microstoma-infected mice, biochemical alterations in liver, spleen, small intestine, and bile ducts, data indicate that all organs undergo significant hyperplasia and that deposition of collagen does not make significant contribution to process of organ growth.

Pathology, Cestoda
Mesocestoides tetrathyridia, reptiles, prevalence, histopathology: southern California.

Pathology, Cestoda
human neurocysticercosis, 3 case reports with autopsy findings of severe meningitis and hydrocephalus, clinical aspects, recommendations for use of complement fixation for reliable diagnosis.

Pathology, Cestoda
human hepatic echinococcosis resulting in acquired pulmonary stenosis because of compression on pulmonary artery, clinical case report: Madrid.

Pathology, Cestoda
Metzack, D. M., and Jackson, D. J., 1979, J. Helminth., v. 53 (3), 213-222
Hymenolepis diminuta-infected rats, vitamin malabsorption in intestine.

Pathology, Cestoda
human pancreatic echinococcosis, perforation of primary cyst, extensive clinical report: Spain.

Pathology, Cestoda
Nadakal, A. M.; and Nair, K. V., 1979, Indian J. Exper. Biol., v. 17 (5), 310-311
Ralliettium, D. F., pig-diminished domestic fowl, disturbances of carbohydrate metabolism.

Pathology, Cestoda
human pulmonary echinococcosis with extension to vertebrae and spinal cord, resulting recurrent and progressive paraplegia, clinical case report. 6 attempts at surgical relief of symptoms: Spain.

Pathology, Cestoda
Osorio, G., et al., 1974, Rev. Med. Chile, v. 102 (9), 700-703
Diphyllobothrium latum, human, associated megaloblastic anemia, clinical case report: Chile.

Pathology, Cestoda
Pappas, P. W., 1978, J. Parasitol., v. 64 (2), 265-272
Hymenolepis microstoma-infected mice, biochemical alterations in liver, spleen, small intestine, and bile ducts. data indicate that all organs undergo significant hyperplasia and that deposition of collagen does not make significant contribution to process of organ growth.

Pathology, Cestoda
Pearl, M.; et al., 1978, Pediatrics, Am. Acad. Pediat., v. 61 (6), 915-920
Echinococcus granulosus, cerebral cysts in children, central nervous system pathology. 2 case reports, diagnostic and therapeutic review: New York (immigrants from Italy and Greece).

Pathology, Cestoda
echinococcosis, pulmonary hydatid cysts in children, clinical aspects, medical and surgical management according to type of lesions.

Pathology, Cestoda
Echinococcus, human hepatic cysts with complications involving other organs, symptoms, surgical management.

Pathology, Cestoda
taeniasis in Vombatus ursinus (exper.), liver lesions associated with migrating larvae, similarity to lesions in free-ranging wombats, probably an aberrant host: Victoria, Australia.

Pathology, Cestoda
echinococcosis, pigs (lungs), prevalence, pathology: northern India.

Pathology, Cestoda
Thelen, M.; et al., 1976, ROEFO, v. 124 (2), 110-119
human pulmonary echinococcosis, radiologic differentiation of lung changes associated with progressive pulmonary insufficiency.

Pathology, Cestoda
Mesocestoides corti, human pulmonary echinococcosis involving interventricular septum of heart and concomitant pulmonary cysts, differential diagnosis, surgical treatment, clinical case reports: Pamplona, Spain.

Pathology, Cestoda
human echinococcosis, report of 2 cases involving female mammary glands, recommendations for differential diagnosis: Argentina.

Pathology, Cestoda
Yael, H., 1977, Tropenmed. u. Parasitol., v. 28 (4), 409-427
Echinococcus multilocularis, Central European strain, morphology and development of larval stages in Microtus arvalis (exper.), hepatic pathology.
Pathology, Cestoda

Yaououbian, H. D., 1976, Surgery, St. Louis, v. 79 (5), 544-548
Hydatid cysts involving dome of liver, humans, thoracic complications, surgical management, case reports: Lebanon

Pathology, Miscellaneous phyla

Fustish, C. A.; and Millemann, R. E., 1978, J. Parasitol., v. 64 (1), 155-157
Margaritifera margaritifera glochidia, host response to exper. Infection, well developed hyperplasia in Oncorhynchus kisutch compared with slight response in O. tshawytscha, may be important in greater resistance of former host to infection

Pathology, Miscellaneous phyla

Karna, D. W.; and Millemann, R. E., 1978, J. Parasitol., v. 64 (3), 528-537
Margaritifera margaritifera, comparative susceptibility of 4 species of salmonid fish determined by examination of caged and uncaged (native) fish, parasite development and associated histopathology, glochidia development in mussels in relation to temperature: Siletz River, western Oregon

Pathology, Nematoda

Ader, S. C., 1979, Calif. Vet., v. 33 (11), 23-25, 32
Dirofilaria immitis, cat (brain), clinical signs, histopathology

Pathology, Nematoda

Stephanofilaria zaheeri, buffaloes, gross pathology and histopathology; inflammation suggested to be of allergic type

Pathology, Nematoda

Ajao, O. G.; and Ajao, A. O., 1979, Trop. Doctor, v. 9 (1), 33-36
Ascaris lumbricoides, humans, intestinal obstruction and surgical complications of intestinal ascariasis

Pathology, Nematoda

Altaif, K. I.; and Dargie, J. D., 1978, Parasitol., v. 77 (2), 161-175
Haemonchus contortus, influence of breed and haemoglobin type on clinical and pathophysiological response of sheep to moderate primary infection, concluded that genetic resistance was operated primarily against worm establishment and was probably controlled by the immune response elicited, in heavy infections there was no correlation between worm establishment and haemoglobin type

Pathology, Nematoda

Altaif, K. I.; and Dargie, J. D., 1978, Parasitology, v. 77 (2), 177-187
Haemonchus contortus, influence of breed and haemoglobin type on clinical and pathophysiological response of sheep to re-infection (either after primary infection was terminated with anthelmintic or challenge superimposed on existing adult infection), patterns of worm establishment and disease indicated that genetic factors operated in determining resistance, breed but not haemoglobin type appeared to be of some significance in 'self-cure'

Pathology, Nematoda

Gaigeria pachyscelis, lambs, guinea-pigs, and mice (all exper.), mode of penetration through skin and lungs, histopathology

Pathology, Nematoda

Parafilaroides decorus in Zalophus californianus (lungs), pathology: two aquariums in Japan

Pathology, Nematoda

Gnathostoma nipponicum in Mustela sibirica itatsi and M. sibirica coreana, esophageal tumor, pathology

Pathology, Nematoda

Ashton, N.; and Cook, C., 1979, Ophthalmodiology, v. 86 (1), 8-42
Allergic granulomatous nodules of the eyelid and conjunctiva, humans, several cases caused by unidentified nematodes, clinical, histological and pathological features

Pathology, Nematoda

Strongyloides stercoralis, disseminated infection in renal transplant patients on immunosuppressive drugs, acute respiratory failure

Pathology, Nematoda

Onchocerca volvulus, survey of residents and visitors in 2 Indian villages, high incidence of ocular abnormalities, mainly corneal: Territory of Roraima, Brazil

Pathology, Nematoda

Beveridge, T., 1979, J. Helminth., v. 53 (3), 229-244
Hepatic-helminth macropi, synonymy, redescription, host and geographic distribution, distribution within host, method of attachment, gross and histopathological changes, description of free-living larval stages

Pathology, Nematoda

Rugopharynx rosemariae new species, life cycle stages and associated pathology

Pathology, Nematoda

Strongyloides papillosus, sheep, severity of infection in relation to dose of larvae and physical condition of host, animals challenged (6 months after initial infection) with lethal dose showed some degree of protection

Pathology, Nematoda

Ostertagia circumcincta, lambs, single infection of 50,000 or 400,000 larvae, clinical and haematological changes
Pathology, Nematoda
Ostertagia circumcincta, sheep infected with larvae stored at low temperature, pathophysiological changes (body weight, blood picture, serum proteins), effectiveness of infection and percent of larvae inhibited in development

Pathology, Nematoda
Oesophagostomum columnianum in lambs (exper.), nodules in small and large intestines, mesenteric lymph nodes, liver, kidneys, pancreas, and uterus, histopathology

Pathology, Nematoda
Bloch, K. J.; et al., 1979, Gastroenterology, v. 77 (5), 1039-1044
Nippostrongylus brasiliensis-infected rats, normal rats, or rats subjected to mild systemic anaphylaxis. Intestinal uptake of protein antigen (bovine serum albumin)

Pathology, Nematoda

Pathology, Nematoda

Pathology, Nematoda

Pathology, Nematoda

Pathology, Nematoda

Pathology, Nematoda
Brown, B. J.; and Clayton, H. M., 1979, J. Comp. Path., v. 89 (1), 115-123 Parascaris equorum, pony foals (exper.), macroscopic and microscopic lesions associated with parasite migration through the liver

Pathology, Nematoda

Pathology, Nematoda

Pathology, Nematoda

Pathology, Nematoda
Burchard, G. D.; and Bierther, M., 1978, Tropenmed. u. Parasitol., v. 29 (4), 451-461 Onchocerca volvulus, patients, dermatitis, mesenchyme reaction of skin; ultrastructure of microfilariae: Liberia

Pathology, Nematoda

Pathology, Nematoda
Cardenas Santistue, C.; Rizo, F.; and Brooks, R. W., 1972, Rev. Cubana Cirug., v. 11 (1), 19-24 Ascaris lumbricoides, infection in child resulting in intestinal occlusion and perforation of Meckel's diverticulum, post-surgical therapy with piperazine unsuccessful as Ascaris continued to appear in feces up to one year later: Cuba

Pathology, Nematoda
Castro, G. A.; et al., 1979, Am. J. Trop. Med. and Hyg., v. 28 (3), 500-507 Trichinella spiralis-infected rats, inadequate oral food intake rather than changes in basal metabolism or intestinal physiology accounts for weight loss during intestinal phase of infection

Pathology, Nematoda
Cawthorn, R. J.; and Anderson, R. C., 1977, Canad. J. Zool., v. 55 (2), 368-375 Physaloptera maxillaris in Acheta pennsylvanica and Blatella germanica, site of development, survival of larvae, and host cellular reactions

Pathology, Nematoda

Pathology, Nematoda
Christie, M. G.; et al., 1978, J. Comp. Path., v. 88 (2), 157-165 Haemonchus contortus, fistulated or nonfistulated sheep, acquired resistance to repeated daily doses of 10,000 infective larvae, no association of resistant state with raised abomasal pH, histology of mucosa after prolonged exposure
Pathology, Nematoda


Chabertia ovina, Trichuris ovis, Oesophagostomum venulosum, lambs, nodular lesions in mucosa and submucosa of caecum and colon in absence of O. columbianum; O. venulosum as likely cause: New Zealand

Pathology, Nematoda

Clark, W. C.; Black, H.; and Rutherford, D. M., 1979, N. Zealand J. Zool., v. 6 (1), 1-5

Microtetrameres nestoris n. sp., pathology

Pathology, Nematoda

Clayton, H. M.; and Duncan, J. L., 1977, J. Wildlife Ass., v. 172 (9), 1096-1098


1979, Vet. Parasitol., v. 5 (2-3), 261-269


Clinicopathological changes in plasma, erythrocytes, and in thione status of liver, electrolyte concentrations in plasma, erythrocytes, and in different organs, plasma enzyme activities

Pathology, Nematoda


Nippostrongylus brasiliensis infections in protein-deficient rats have important effects on pathophysiological changes usually ascribed to nature of diet, significant hematogetic differences and changes in protein distribution as compared to uninfected rats fed ad lib or pair-fed on same protein-deficient diet

Pathology, Nematoda


Dipetalonema vitaeae-infected Mesocricetus auratus, amyloidosis, microfilariae probably served as antigenic stimulus in pathogenesis

Pathology, Nematoda


bacillary chyluria, patients, possible pathogenetic mechanisms associated with various glomerular lesions

Pathology, Nematoda


Ascaris suum causing intestinal obstruction in 9-year-old girl, clinical case report: Salisbury, Rhodesia

Pathology, Nematoda


Trichinella spiralis-infected pigs, inhibitory action of secretin on gastrin-stimulated gastric acid and pepsin secretion is compromised

Pathology, Nematoda


Strongyloides larvae in Hylobates lar, necropsy study, clinical signs, pathology, thiabendazole, high morbidity and mortality probably resulting from autoinfection and the hyperinfective syndrome

Pathology, Nematoda

Dey-Hazra, A.; et al., 1979, Vet. Parasitol., v. 5 (4), 339-351

Strongyloides ransomi-infected pigs, protein synthesis changes in liver, glutathione status of liver, electrolyte concentrations in plasma, erythrocytes, and in different organs, plasma enzyme activities
Pathology, Nematoda
Dixon, R. J.; and Brownlow, M. A., 1978, 
Austral. Vet. J., v. 54 (10), 494-495
Strongyulus vulgaris, 5-month-old standard
bred foal, youngest naturally occurring
case of severe gastro-intestinal accident
due to parasitic arteritis seen in 700
autopsies

Pathology, Nematoda
Doliopoulos, T.; and Andreou, G., 1974, Rev.
Brasil. Cardiov. v. 10 (2), 101-103
Filarialis, with associated coronary insuffi-
ciency, case report, young adult male native
of Greece who had resided in Congo, Africa

Pathology, Nematoda
Dragomirescu, M.; et al., 1977, Arch. Rou-
maines Path. Exper. et Microbiol., v. 36 (3-4),
285-291
impaired phosphorylation in various tox-
infected diseases (including trichinosis),
straight correlation between lowest levels
of serum organic phosphate and severity of
infection, practical and theoretical impli-
cations

Pathology, Nematoda
Praga. v. 50, v. 22 (7), 433-439
Ascaridia galli, chicks (exper.), negative
influence on level of free plasma amino
acids, aspartate and alanine aminotransferase
activities in host chick serum, single in-
vitation failed to influence serum protein
level or weight increase in chicks kept under
hygienic conditions

Pathology, Nematoda
Dutta, P. K.; and Hazarika, R. N., 1978,
JNKKV Research J., v. 10 (1), 1976, 29-32
Stephanofilaria assamensis, cattle, dermi-
titis, gross and microscopic pathology

Pathology, Nematoda
159-165
Stephanurus dentatus, pigs, pathological
changes: Cuba

Pathology, Nematoda
Edel'shtein, I. A.; Falkina, F. B.; and Ares-
Biál. Navuk (1), 117-120
ascarisis, cats, rabbits, pathogenesis,
sulfhydryl group in toxic substances from
parasites apparently causes blocking of
host enzyme system and other protein com-
plices

Pathology, Nematoda
El-Moukdad, A. R.; Supperer, R.; and Kutzer,
E., 1978, Tierarztzt. Prax., v. 6 (1), 41-49
lung worms, sheep, incidence, pathology,
clinical review

Pathology, Nematoda
Vet.-Med., Reihe B, v. 25 (8), 613-622
roundworms, pigs (exper.), dissacharidase
activity of gut mucosa, electrolyte content
of plasma and various organs

Pathology, Nematoda
Erturk, E.; Kalemli, M.; and Milli, U., 1978,
Vet. Fak. Bergisi Ankara Univ., v. 25 (3),
458-465
Trichosonoides crassicauda, rats, causing
hyperplasia and papillomatous proliferation
of urinary bladder transitional epithelium,
possible source of confusion in carcino-
genesis experiments

Pathology, Nematoda
Fraga Filho, C.; Sobral, D. T.; and Arantes, M.
(4), 209-216
Strongyloides stercoralis, humans, investiga-
tion of intestinal malabsorption associated
with parasitism; correlation between higher
levels of fecal fat content in persons with
morphologic changes in small bowel thus indi-
cating that fecal fat content is reliable
index of malabsorption

Pathology, Nematoda
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(2), 203-207
Brugia pahangi, significant correlation be-
tween density of microfilariae on which Aedes
aegypti feed, mean number of infective larvae
produced per mosquito, and mean number of
basal follicles developed per female

Pathology, Nematoda
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Trichinella spiralis-infected rats and
humans, basophilia of muscle fibers consid-
ered to favor growth and survival of the
parasite larvae

Pathology, Nematoda
parasitic arteritis, horses, age prevalence of
related enteric disorders: Victoria

Pathology, Nematoda
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other infective forms of myocarditis, review

Pathology, Nematoda
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(4), 181-184
lungworms, dogs, histopathology, case re-
ports

Pathology, Nematoda
Trop. Med. and Hyg., v. 72 (5), 540-541
Dracunculus medinensis, human, localization
of larvae in pleura, development of eosino-
philic pleurisy, case report: Mauritanian
native living in France

Pathology, Nematoda
Geracl, J. R.; Bailey, M. D.; and St. Aubin,
v. 35 (10), 1350-1355
Crassicauda grampicola in Lagenorhynchus
acutus (mammary glands), probable life
cycle, high incidence and severity of lesions
have possible influence on reproductive suc-
cess of the herd: stranded at Lingley Cove,
Edmonds, Maine
Pathology, Nematoda
Onchocerca volvulus, clinicopathologic study of 34 patients with lymphadenitis, possible role of immune complexes: Africa; Yemen

Pathology, Nematoda
Gordon, R.; et al., 1978, Parasitology, v. 77 (3), 367-374
Neomesonemis flumenalis in Prosamilium mixtum/fuscum and Simulium venustum, effects of parasitism on hemolymph composition (protein, amino acid, carbohydrate), relation to nematode’s nutritional requirements

Pathology, Nematoda
Dicycocalculus filaria-infected sheep, Trichinella spiralis-infected rabbit, decreased oxidative-reductive activity in blood serum, comparison with healthy animals, chemiluminescence method

Pathology, Nematoda
Wuchereria bancrofti, dynamics of filariasis in village inhabitants, clinical, parasitological, immunological, and social aspects: village of Paraiso, Province of Catanduanes, Philippines

Pathology, Nematoda
Enterobius vermicularis, Balantidium coli, human, cause of appendicitis, search of surgical case reports: Peru

Pathology, Nematoda
Hale, O. M.; and Stewart, T. B., 1979, J. Animal Sc., v. 49 (4), 1000-1005
Trichuris suis, pigs (exper.), effects of infection on weight gains, digestion and absorption of nutrients, and nitrogen balance

Pathology, Nematoda
Toxocara species, humans in 20- to 50-year age group, unilocular retinal lesions, pathology, epidemiology

Pathology, Nematoda
Anisakis sp. larvae in Clupea harengus pallasii, histopathology: Oregon waters

Pathology, Nematoda
Parafilaria bovicolor, frequency and distribution of cutaneous lesions on cattle at slaughter, economic losses, importance of differentiating between parafilariasis and bruisings

Pathology, Nematoda
Helmboldt, C. F.; et al., 1971, J. Wildlife Dis., v. 7 (3), 204-212
Capillaria contorta in Cyanocitta cristata (trachea, esophagus, mouth), gross and microscopic pathology, lesions of tongue and esophagus, formation of diphtheritic membrane: Connecticut

Pathology, Nematoda
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Trichinella spiralis, biochemical alterations in parasitized rats, findings of decrease in albumin, increase in alpha and beta globulins and in serum potassium

Pathology, Nematoda
Cameleostrongylus mutenlatus, distribution in abomasum and pathogenicity during development in sheep (exper.)

Pathology, Nematoda
Holt, P. E.; Brown, A.; and Brown, B., 1978, Vet. Rec. v. 113 (18), 404-405
Strongyloides [sp.] in Lampropeltis getulus holbrooki, clinical symptoms, unsuccessful treatment with thiabendazole, mixed infection with flagellates and Ochotinosomatidae sp., case report

Pathology, Nematoda
Holt, P. E.; Cooper, J. E.; and Needham, J. R., 1979, Vet. Rec. v. 104 (10), 213-214
Strongyloides larvae, snakes, pathology, treatment with thiabendazole, 3 case reports

Pathology, Nematoda
Dirofilaria immitis, dogs (exper.), clinical and pathological observations in prepatent period

Pathology, Nematoda
Huizenga, H. W., 1971, J. Wildlife Dis., v. 7 (3), 198-204
Contracaecum spp. in pelicaniform birds, gross and microscopic lesions, possible beneficial role in host digestive physiology

Pathology, Nematoda
Huizenga, H. W.; Cosgrove, G. E.; and Koch, C. F., 1971, J. Wildlife Dis., v. 7 (3), 205-212
Splendidofilariarpasserina in Passer domesticus (blood, walls of pulmonary arteries, lung, heart), seasonal incidence, intensity of infection, lesions in walls of pulmonary arteries: Illinois

Pathology, Nematoda
dirofilariasis, dogs with varying degrees of clinical severity, serum free cholesterol concentration, serum lecithin cholesterol acyltransferase activity, relationship to hepatic injury

Pathology, Nematoda
Ishihara, K.; et al., 1978, J. Vet. Sc., v. 40 (5), 525-537
dirofilarial hemoglobinuria, dogs, clinico-pathological studies
Pathology, Nematoda
Spiorzera lupi, dogs, esophageal sarcomas, histopathology: Shiraz, Iran

Pathology, Nematoda
Ascaris suum, changes in level of acid-soluble phosphate compounds and their metabolism in blood and liver of guinea pigs (exper.)

Pathology, Nematoda
Ascaris suum and vitamin C deficiency, effect on levels of glucose and acid-soluble phosphate compounds in blood of guinea pigs

Pathology, Nematoda
Ascaris suum-infected guinea pigs, levels of vitamins B1 and C in some tissues and organs, organ weights

Pathology, Nematoda
Ascaris suum-infected guinea pigs fed diets varying in vitamin C content, levels of vitamins C and B2 in some organs, organ weights

Pathology, Nematoda
human trichinellosis, changes in white blood cell system and protein alterations in the course of infection

Pathology, Nematoda
echinococcosis, cysticercosis, trichinosis affecting human heart, diagnostic problems in relation to clinical and pathological findings, case reports

Pathology, Nematoda
Trichostrongylus colubriformis, guinea pigs, primary and secondary infections, skeletal muscle protein catabolism, comparison with uninjected animals fed quantitatively reduced rations, catabolism which was depressed in all 3 groups was directly related to fall in food consumption

Pathology, Nematoda
Kameswari, M.; Ramulu, G. R.; and Rao, L. N., 1979, Indian J. Exper. Biol., v. 17 (9), 976-979
Helminth-infected Rana tigerina, macromolecular changes in liver

Pathology, Nematoda
Kasprzak, K.; et al., 1971, Acta Parasitol. Polon., v. 19 (1-8), 1-7
Trichinella spiralis-infected rat muscles, distinct aberration in incorporation of glycine-1-14C and 1-lysine-14C

Pathology, Nematoda
Toxocara canis, mice, evolution of muscle-associated granuloma, histopathology, light and electron microscopy

Pathology, Nematoda
Echinococcosis, cysticercosis, trichinosis in relation to geographic region, season, breed, sex, and age of host: Australia

Pathology, Nematoda
Onchodercer gibsoni, slaughtered cattle, infection rate and module characteristics in relation to geographic region, season, breed, sex, and age of host: Australia

Pathology, Nematoda
Strongyloides stercoralis, man, massive infection with resulting intestinal loss of protein and malnutrition, recovery after treatment of parasitosis, nutritional importance of parasite in endemic areas discussed

Pathology, Nematoda
Lagochilascaris minor, 14-year-old boy, clinical aspects, pathology, successful therapy with diethylcarbamazine

Pathology, Nematoda
Lensink, B. M.; Rijpstra, A. C.; and Erken, A. H. M., 1979, Zool. Garten, n. 49 (2), 121-126
Ollulanus tricuspis in Panthera tigris tigris (vomitus, stomach), clinical symptoms in mother and offspring, treatment with various anthelmintics, complete recovery achieved with levamisole: Artis-Zoo, Amsterdam

Pathology, Nematoda
Ascaris suum, role of complement in histopathology of primary and challenge infections in guinea pigs, enhanced pulmonary eosinophilic infiltration and eosinophilic granuloma formation in absence of complement (C3 to C9)
Pathology, Nematoda
Skrjabinjulus nasicolus in Mustela nivalis (nasal sinuses), correlation of intensity of infestation with severity of skull damage and with host age and sex, host factors influencing worm size and sex ratios, crowding effect in heavy infestations: Berkshire, Northumberland, and Sussex

Pathology, Nematoda
Visceral larval migrans, dog (pituitary stalk), associated with persistent severe polyuria and polydipsia, case report

Pathology, Nematoda
Loria Cortez, R. and Saborio Ruiz, M., 1974, Rev. Columb. Pediat. y Puericult., v. 28 (6), 409-413
Necator americanus, prenatal infection in 1 month-old infant presenting with intestinal bleeding, successful thiabendazole therapy: Costa Rica

Pathology, Nematoda
Strongylus edentatus, ponies (exper.), development, lesions from 10 to 72 weeks postinfection

Pathology, Nematoda
Angiostrongylus cantonensis in captive Macropus rufogriseus (surface of brain beneath leptomeninges, cerebellar folium, meninges), clinical symptoms, pathology, treatment with trimethoprim-sulphadiazine ineffective, case report: Brisbane

Pathology, Nematoda
Haemonchus contortus, pathogenesis and pathology in lambs (exper.): clinical observations, parasitological observations, haematological observations, pH level of abomasal fluid, necropsy findings; 'self cure' between days 10 and 14 closely related to heavy infestation of abomasal mucosa by eosinophils

Pathology, Nematoda
Haemonchus spp., goats (exper.), histopathology of abomasum

Pathology, Nematoda
Haemonchus contortus chemically terminated or concurrent with Nematodirus battus in lambs lowered reproductive capacity and inhibited development of N. battus, results consistent with density-dependent physiopharmacological mechanism of population control involving changes in host alimentary physiology (abomasal pH and Na concentration)

Pathology, Nematoda
Dirofilaria immitis, dog (lung, liver), extensive pulmonary arterial thrombosis without subsequent infarction, absence of significant pathologic changes, case history

Pathology, Nematoda
Matta, S. C.; and Ahluwalia, S. S., 1979, Indian J. Animal Sci., v. 49 (1), 72-74
Ascaridia numidae in Numida meleagris (small intestine), extensive nodulation of serosal surface: Allahabad

Pathology, Nematoda
Melendez, R. D.; and Lindquist, W. D., 1979, J. Parasit., v. 65 (1), 85-88
Ascaridia columbae in intravenously infected Columba livia, larvae completed tracheal migration and arrived at small intestine where they established patent infection, histopathological description of lung granulomas

Pathology, Nematoda
Mel'nikova, K. V., 1972, Parazitologia, Leningrad, v. 6 (6), 549-554
Angiostrongylus cantonensis in pigs (exper.), accumulation of acid and neutral mucopolysaccharides in gastric mucosa in relation to duration of invasion, possible protective role and significance in pathogenesis of acute and chronic disease

Pathology, Nematoda
Trichinella spiralis, rats (exper.), pathologic changes in blood calcium and parathyroid activity

Pathology, Nematoda
Strongyloides westeri, ponies (exper.), foals and yearlings, comparisons of prepatent periods, haemoglobin values, and beta-globulin values

Pathology, Nematoda
Morgan, O.; James, O.; and Sahoy, R., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (2), 183-184
Ascarisiasis, human, 2 cases of intestinal perforation

Pathology, Nematoda
Parascaris equorum in laboratory animals and chickens, histopathology

Pathology, Nematoda
Abomasal ulceration in goats, association with presence of nematodes: Shiraz abattoir, Iran

Pathology, Nematoda
Onchocerciasis, humans from 2 endemic areas, survey for skin and ocular lesions and serum vitamin A levels, possible significance of vitamin A deficiency in pathogenesis of ocular complications: Sudan
Pathology, Nematoda
Nagy, G.; Birova, V.; and Ovies, D., 1977, Rev. Cubana Cien. Vet., v. 8 (2), 73-84
Dictyocaulus arnfieldi, donkeys (lungs), clinical, parasitological, and pathological findings

Pathology, Nematoda
Nicholls, J. M.; et al., 1979, J. Comp. Path., v. 88 (2), 267-274
Parascaris equorum, pony foals (exper.), pathological study of lungs, changes caused by migrating larvae

Pathology, Nematoda
Nicholls, J. M.; et al., 1979, Vet. Rec., v. 104 (25), 567-570
Dictyocaulus arnfieldi, donkeys (lungs), clinical, parasitological, and pathological findings

Pathology, Nematoda
Niederle, J., 1975, Tierarztl. Prax., v. 3 (1), 117-121
Ascariosis, 2-year-old Turkish boy, granulomatous peritonitis, clinical case review

Pathology, Nematoda
Nikulin, T. G.; Shpak, G. E.; and Savchenko, V. F., 1977, Veterinariia, Moskva (10), 80-81
Balantidiasis and oxyphagostomiasis, mixed infection in swine (exper.), changes in carboanhydrase and alkaline phosphatase activities

Pathology, Nematoda
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Muelierius sp., goats (lungs), case reports, verminous pneumonia, gross and histopathology

Pathology, Nematoda
Metastroglyus spp., Choerostrongylus pudentotectus, swine, lung lesions

Pathology, Nematoda
Oduye, O. O., 1971, J. Comp. Path., v. 81 (4), 581-583
Stephanofilaria sp., cattle, dermatitis, gross and histopathology of lesions: Northern States of Nigeria

Pathology, Nematoda
Protostrongylus africanus in Damaliscus korrigum (lung), histopathological lesions: Masai-Mara area of Kenya

Pathology, Nematoda
Parichatikanon, P.; et al., 1976, Siriraj Hosp. Gaz., v. 28 (2), 204-214
Ascaris lumbricoides, children, case reports, pathology, fatal infections caused by multiple abscesses in livers, worms in intrahepatic bile ducts, common bile duct, and along gastrointestinal tract

Pathology, Nematoda
Spirocerca lupi in wild carnivores, pathologic lesions in aorta and esophagus: West Texas

Pathology, Nematoda
Strongyloides tericularis, hyperinfections in patients with chronic diseases, case reports, diagnosed at autopsies: South Africa

Pathology, Nematoda
Popescu, M. P.; et al., 1977, Rev. Chir. (Oftalmologia), Bucuresti, v. 21 (4), 263-266
Loa loa, Onchocerca volvulus, human filariasis with ocular manifestations, clinical case reports, African students studying in Romania

Pathology, Nematoda
Trichinella spiralis-infected germfree vs. conventional mice, some metabolites and enzymes of carbohydrate metabolism in liver and small intestine

Pathology, Nematoda
Trichinella spiralis, conventional and germfree mice, pathology, small intestine epithelium, scanning electron microscopy
Pathology, Nematoda
Toxocara canis, mice, intraperitoneal injection of early larva migrans, serological and haematological tests, histopathological changes in tissues, numbers of larvae detected in various internal organs

Pathology, Nematoda
Ascaris suum, pigs, blood changes: hyperneutrophilia, lymphopenia, changes in K, Na and Ca, macrocytic hypoglycolaminemia; eosinophilia due to enzyme released by moulting between third and tenth day of infection

Pathology, Nematoda
de Queiroz, A. C.; and Barreto, S. C., 1975, Rev. Patol. Trop., v. 4 (1), 17-24
Strongyloides stercoralis, fatal human infections, pathology of mesenteric lymph nodes

Pathology, Nematoda
Ascaris suum, pigs (lungs), associated esophagogastric ulcers and other pathologic changes, case history: Indiana farm

Pathology, Nematoda
Dirofilaria immitis, dogs with early vascular changes but without clinical cardiopulmonary signs and pulmonary hypertension, pulmonary vascular response

Pathology, Nematoda
Reynolds, G. W.; et al., 1979, Ann. Recherches Vet., v. 10 (2-3), 341-345
Ostertagia circumcincta-infected sheep (exper.), assay of tissue and serum gastrin, hypergastrinaemia

Pathology, Nematoda
Wuchereria bancrofti infection producing subcutaneous nodule on woman's left arm, clinical case report: Costa Rica

Pathology, Nematoda
Rutgeerts, L.; et al., 1975, Tijdschr. Gastroenterol., v. 18 (2), 113-118
Eustoma rotundatum causing eosinophilic enteritis in man, differential diagnosis to be considered in obstructive syndromes occurring in consumers of raw herring

Pathology, Nematoda
Nematodirus helvetianus, dairy calves (exper.), pathogenic effects

Pathology, Nematoda
Sanchez Beaujon, R. A.; and Penalver, L. M., 1975, Semana Med. (4907), an. 82, v. 147 (2), 36-45
Onchocerciasis, human ocular infection, survey of type of lesions encountered in 80,000 persons, histopathology, therapy: Venezuela

Pathology, Nematoda
Ascaris lumbricoides, child, fatal hepatic abscess, clinical case report: Escobar, provincia de Buenos Aires

Pathology, Nematoda
Ascarididae [sp.] in Alectores graeca chukar (brain), histologic changes, source of infection speculated: suburb of Washington, D.C.

Pathology, Nematoda
Schlanbacher, L. M.; et al., 1978, Am. J. Physiol., v. 234 (5), R188-R195
Trichinella spiralis, dogs, changes in intestinal motility are associated temporally with symptoms related to gastrointestinal tract, magnitude of change is inversely related to resistant state of host

Pathology, Nematoda
Schillhorn van Veen, T. W.; and Barnes, H. J., 1978, Vet. E footing, v. 1, 30-44
Trichosomoides crassicauda-infected and uninfected rats, regeneration and proliferation kinetics of normal and x-irradiated transitional epithelium

Pathology, Nematoda
Ascaris lumbricoides, human infection with approximately 400 worms which caused intestinal obstruction, multiple intestinal perforations and severe peritonitis, clinical case report: India

Pathology, Nematoda
Sharma, B. N.; and Sahai, B. N., 1979, Indian J. Animal Sc., v. 49 (3), 244-245
Setaria digitata, rabbit (exper.), histopathological alterations in host intestine as a result of migration of transplanted worms from cattle or buffalo

Pathology, Nematoda
Sharma, B. L.; and Dhar, D. N., 1979, Indian J. Animal Sc., v. 49 (3), 203-208
Oesophagostomum columbianum, lambs (exper.), impact of varying levels of primary infections on length of pre-patent period, worm establishment, adult length and sex ratio, fecundity, and clinical disease

Pathology, Nematoda
Shayo, M. E.; and Benz, G. W., 1979, Vet. Parasitol., v. 5 (4), 353-364
Trichostrongylus colubriformis-infected calves (exper.), histopathologic and enzyme histochemical changes in small intestine
Pathology, Nematoda
Simpson, C. F.; et al., 1974, Vet. Path., v. 11 (6), 506-514
Dirofilaria immitis, dogs (kidneys) (nat. and exper.), changes in glomerular basement membranes, light, fluorescent, and electron microscopy

Pathology, Nematoda
Diphasyryn x ketupae in Ketupa zeylonensis (mucosa of proventriculus), pathology

Pathology, Nematoda
parasitic granuloma and abscess, bovine bladder, cross sections of nematodes and/or ova; Setaria sp. (peritoneal cavity): Municipal Slaughter House, Bareilly

Pathology, Nematoda
Strongylus vulgaris, ponies (exper.), demonstration of early vascular changes by arteriography; attempt to implant a catheter permanently in femoral artery to obviate repetition of surgery in production of a series of radiographs

Pathology, Nematoda
Trichonema spp., re-infection of mature (9 and 10 year old) parasite-free sensitized ponies, findings indicate development of strong resistance which may be partly associated with host age and demonstrate the pathogenesis of inhibited larvae which may be retained by resistant ponies for prolonged periods of time

Pathology, Nematoda
Stephanochasmus baccatus in Buccinum undatum (digestive gland), occurrence of 2 types of lesions, histopathology: Loch Ewe area, West Coast of Scotland

Pathology, Nematoda
Angiostrongylus cantonensis, human, 4 fatal cases, clinical and pathological findings: Thailand

Pathology, Nematoda
parasitic enteritis, cirrhosis, larval migrans, ducks, histopathology: Kolleru lake area, Andhra Pradesh

Pathology, Nematoda
Trichinella spiralis, mice, biochemical pathology: changes in liver and muscle glyco- gen and some blood chemical parameters

Pathology, Nematoda
Stewart, G. L.; et al., 1978, Exper. Parasitol., v. 45 (2), 287-297
Trichinella spiralis-infected mice, alterations of blood chemistry, relation to patho- physiologic lesions occurring in gut and muscles of trichinous host

Pathology, Nematoda
metastrogyles, mammals, pulmonary pathology, review

Pathology, Nematoda
Angiostrongylus malaysiensis in Lymnaea rubiginosa, Physastra sumatrana, and Melano- oldes tuberculata (all exper.), development, histopathology, encapsulation, comparative host reaction

Pathology, Nematoda
Cystocaulus ocreatus, sheep (lungs), age of host, morphology, histopathology in intermedi- ate and definitive hosts, development, monograph: Central Slovakia

Pathology, Nematoda
Trichostrongylus vitrinus, sheep (exper.), chronic infection, food intake and body weight gains, food digestibility, body composition, bone chemistry and histology, serum constituents

Pathology, Nematoda
Trichostrongylus colubriformis, guinea pigs with light to heavy infections, relationships between fall of food consumption and changes of body mass and skeletal muscle and liver protein synthesis
Pathology, Nematoda
Capillaria sp., young caller ducks (intestine), case history, pathology, thiabendazole, good results: pond in Centre Island, Long Island, New York

Pathology, Nematoda
Tansuphasiri, P., 1974, Siriraj Hosp. Gaz., v. 26 (11), 211-218
Gnathostoma spinigerum, man, parasite removed from perforated corneal ulcer, case report: Thailand

Pathology, Nematoda
Taylor, S. M.; and Pearson, G. R., 1979, J. Comp. Path., v. 89 (3), 397-403
Trichostrongylus vitrinus, lambs (exper.), pathology during parasitic development, small intestine

Pathology, Nematoda
Taylor, S. M.; and Pearson, G. R., 1979, J. Comp. Path., v. 89 (3), 405-412
Trichostrongylus vitrinus, 4- and 8-month-old lambs (exper.), location of worms and pathological changes during clinical infection, small intestine

Pathology, Nematoda
dirofilaria immitis, dogs (exper.), scintigraphic evaluation of pulmonary perfusion

Pathology, Nematoda
Onchocerca volvulus, humans from 4 villages in endemic areas, correlations between quantity of transmission and intensity of infection, applications for vector control programs: Sudan-savanna areas and Ivory Coast

Pathology, Nematoda
Torres, P.; and Gonzalez, H., 1978, Bol. Chil. Parasitol., v. 33 (3-4), 82-86
Terranova ansiei and Anisakis larvae from Genypterus sp., morphometric data, hepatic histopathology: Queuleu, in the south Pacific, Chile

Pathology, Nematoda
Onchocerca volvulus, human eye, atrophy of disc of optic nerve, discussion of possible etiology, possibly an antigen-antibody reaction

Pathology, Nematoda
Strongyloides stercoralis in infant Pongo pygmaeus (lung, colon, mesenteric lymph nodes), clinical history, pathologic findings: municipal zoo

Pathology, Nematoda
human ascariasis with migration of parasites to biliary tract, resulting cholecystitis and cholelithiasis, differential diagnosis, medical and surgical management, case reports: Mexico

Pathology, Nematoda
nematodes, pigs (nat. and exper.), gross and histopathological changes in stomach wall, chronic gastritis: Hisar, India

Pathology, Nematoda
Brugia spp.-infected Meriones unguiculatus, histologic and organ weight changes in spleens, relationship to parasite life cycle, aspects related to host sex and to parasite species

Pathology, Nematoda
gnathostomiasis, woman, pleurisy, pathology, clinical case report

Pathology, Nematoda
schistosomiasis and/or hookworm, humans, study of blood and nutrition losses shows that drain on iron, protein, zinc and vitamin A stores plus other pathology is more significant as cause of malnutrition than abnormality of absorption functions: Egypt

Pathology, Nematoda
Webster, W. A.; Dukes, T. W.; and Bundza, A., 1977, Canad. J. Zool., v. 55 (7), 1067-1070
Onchocerca spinigera, bovine (knee joint), description of parasite and lesions associated with it: slaughterhouses in Saskatchewan and Manitoba

Pathology, Nematoda
Onchocerca volvulus, humans, epidemiologic survey, parasitological, ophthalmological and immunological aspects: Lusambo, Kasai Oriental, Zaire

Pathology, Nematoda
Trichostrongylus tenuis, captive Lagopus scoticus, hematology, weight, and condition

Pathology, Nematoda
Wilson, T. W.; and Stockdale, P. H., 1970, J. Wildlife Dis., v. 6 (3), 152-154
Contracaeaeum sp. in captive Pagophilus groenlandicus (alimentary tract), fatal infection, case report

Pathology, Nematoda
mermithid infection of chironomid larvae, effects upon genital imaginal discs, specific aberrations concerning mitotic rate, cell death, organogenesis, cell pattern differentiation, and cell differentiation, review

Pathology, Nematoda
filaria chyluria, statistics of 52 cases, clinical and laboratory aspects, histopathology, diagnostic studies, persons who had lived in areas of filariasis prior to living in Hawaii
SUBJECT HEADINGS

Pathology, Nematoda
Dipetalonema evansi, camels, filarial orchitis and possible significance as prevalent reproductive disease; surgical treatment and use of neosulveran, fouadin, and neguvon, histopathology of gonads: Egypt

Pathology, Nematoda
ostertagiasis, sheep (exper.), parasitology, clinical aspects, blood morphology and biochemistry

Pathology, Nematoda
Wuchereria bancrofti, humans, distribution and prevalence survey: north-western savanna area of Liberia, West Africa

Pathology, Nematoda
Toxocara canis, histopathology in mice

Pathology, Nematoda
Toxocara canis and Ascaris suum infections compared, rabbits, monkeys, description of infection, haematological response, serum proteins, skin test with T. canis antigen

Pathology, Protozoa
Abdus Sattar, A. B. M., 1979, J. Trop. Med. and Hyg., v. 82 (9-10), 201-202
Entamoeba histolytica, 35 year-old male, case report, cutaneous amoebic ulcer on right leg: Bangladesh

Pathology, Protozoa
human cutaneous and mucocutaneous amoebiasis, differential diagnosis, pathology, therapy, case reports: Mexico

Pathology, Protozoa
amoebiasis, human hepatic infections, pathology and pathogenesis based on autopsies, mechanisms of evolution and extension of infections, vascular complications, immunological aberrations

Pathology, Protozoa
Ajayi, S. A.; Wilson, A. J.; and Campbell, R. S. F., 1978, Research Vet. Sc., v. 25 (1), 76-81
Anaplasma marginale, Brahman-cross steers (exper.), maintained on two nutritional planes, clinico-pathological studies

Pathology, Protozoa
Alikhanov, Sh. G., 1975, Parazitologiya, Leningrad, v. 7 (5), 389-391
Thelohania opacita, detrimental effect on growth and development of Aedes caspium caspium from natural populations

Pathology, Protozoa
chronic human Chagas disease with intensive parasitism of esophagus and myocardium, associated Hodgkin's disease for which patient was receiving immunosuppressants, clinical case report: Uberaba

Pathology, Protozoa
Trypanosoma cruzi, mice, acute phase of infection, decrease in substance P activity of colon could be related to reduction in total number of dense vesicles in Auerbach's plexus

Pathology, Protozoa
Chagas disease, humans, endocardial changes in apical region

Pathology, Protozoa
human Chagas disease, high number of mast cells in myocardium, possibly responsible for sclerosing characteristic of myocarditis

Pathology, Protozoa
Chagas disease, human, tachycardia and aneu-rysms, case reports, medical and surgical management

Pathology, Protozoa
Trypanosoma cruzi, pathological changes in untreated vs. Bay 2502-treated mice with chronic infections

Pathology, Protozoa
Trypanosoma cruzi, histologic changes found in 20 human cases of acute and chronic Chagas' myocarditis and in 5 dogs experimentally infected, extensive pathologic report

Pathology, Protozoa
human kala-azar, kidney pathology post mortem

Pathology, Protozoa
Trypanosoma cruzi, infection of human heart, pathology of acute and chronic phases

Pathology, Protozoa
Anselmi, A.; and Moleiro, F., 1974, Ciha Found. Symp., n.s. (20), 125-136
Chagas' cardiomyopathy, pathogenic mechanisms, review

Pathology, Protozoa
Trypanosoma gambiense, humans, neurologic and psychological pathology, analysis of 50 cases: Kinshasa, Zaire

Pathology, Protozoa
Apt, W.; Arribada, A.; and Mauvens, S., 1971, Recent Advances Stud. Cardiac Struct. and Metab., v. 2, 95-105
human cardiomyopathies resulting from Chagas disease or Toxoplasma gondii, etiology, clinical aspects, prognosis, clinico-pathological correlations with autopsies, review: Chile
Pathology, Protozoa

Toxoplasma gondii, study of persons with acute and chronic forms of infection for evidence of chromosome aberrations, brief discussion of possible pathogenic mechanism of chromosomal damage in the presence of infections

Pathology, Protozoa

malaria, humans and monkeys (exper.), bleeding diathesis

Pathology, Protozoa

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haplosporidan in Tresus capax, incidence of infection observed by the presence of cysts in host tissue, age of host, pathology: Yaquina Bay, Oregon

Pathology, Protozoa

Nosema whitei-infected Tribolium castaneum, reduced body weight, slowed rate of pupation

Pathology, Protozoa

Nosema whitei-infected Tribolium castaneum, growth and mortality when fed vitamin B-complete vs. deficient diets

Pathology, Protozoa

Armstrong, E., 1979, Ztschr. Parasitenk., v. 59 (1), 27-29
Nosema whitei-infected Tribolium castaneum, relationship between body weight gains and food consumption

Pathology, Protozoa

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Toxoplasma gondii, human cardiomyopathy, differential diagnosis, clinicoserologic correlations

Pathology, Protozoa

Theileria parva, European breeds of cattle, clinical and pathological picture of East Coast fever: Uganda

Pathology, Protozoa

Ashton, N., 1979, Am. J. Ophth., Chicago, s. 3, v. 88 (3, pt. 1), 322-332
Toxoplasma cyst in Macropus rufogriseus (retina, brain), ocular pathology, case report: Whipsnade Park, London Zoo

Pathology, Protozoa

Ashton, N.; and Stamm, W., 1975, Tr. Ophth. Soc. United Kingdom, v. 95 (2), 214-220
acanthamoebic infections of human eyes, histologic features, diagnostic problems, clinical report

Pathology, Protozoa

Augustine, P. C.; and Thomas, O. P., 1979, Avian Dis., v. 23 (4), 854-862
Eimeria meleagrimitis, turkeys (exper.), reduced feed consumption and weight gains, blood and organ changes

Pathology, Protozoa

Eimeria tenella-infected chicks, relationship between RNA and protein biosynthesis in liver

Pathology, Protozoa

Baharsefat, M.; et al., 1977, Arch. Inst. Razi (29), 47-58
Theileria annulata, calves, unusual lesions, gross and histopathological changes

Pathology, Protozoa

van Banning, P., 1977, J. Invert. Path., v. 30 (2), 199-206
Minchinia armoricana nov. sp., pathogenic activity in Ostrea edulis imported from France for culture in Netherlands, possible menace to Dutch oyster industry

Pathology, Protozoa

intraocular Protista, taxonomic range, localization within host cells, host species and host cell specificity, invasion of host cells, methods of evading intracellular destruction by lysosomes, nutrition, effects on structure and composition of host cells, exit from host cell, review

Pathology, Protozoa

Trypanosoma evansi, buffaloes (exper.), course of disease, symptoms, haematological values, gel precipitin tests; serological test necessary follow-up for negative blood smear

Pathology, Protozoa

leishmaniasis, human, mucocutaneous form in Old World, probably results from direct extension of lesions rather than from metastatic spread of organisms, 4 case reports: Ethiopia

Pathology, Protozoa

Babesia equi, ultrastructure, alterations of parasitized equine erythrocytes

Pathology, Protozoa

Barriga, O. O.; and Arnoni, J. V., 1979, Exp. Parasitol., v. 48 (3), 407-414
Eimeria stiedae in Oryctolagus cuniculus, pathological effects produced by graded infections: body weight, oocyst output, serum glutamic pyruvic and serum oxalacetic transaminases, bilirubinemia, lipemia, glycemia, proteinemia, mortality, carcass and liver weights

Pathology, Protozoa

Plasmodium spp., association with tropical splenomegaly syndrome in Indians from Alto Xingu region, Central Brazil
Pathology, Protozoa
Bastaroli, J. C.; et al., 1975, Rev. Argent. Cardiol., v. 45 (6), 421-437
Chagasic sinus node disease, human, clinical manifestations, case report: Argentina

Pathology, Protozoa
Beaver, P. C.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (6), 1153-1156
Entamoeba histolytica, 4-month-old girl, infection of skin of eyelid with extension into orbit, case report: Colombia

Pathology, Protozoa
Tr[trypanosoma] cruzi, fatal infection in spleenectomized woman with hemolytic anemia and under prolonged corticoid therapy, had received blood transfusion from Chagasic donor, clinical aspects, pathology: Sao Paulo State, Brazil

Pathology, Protozoa
Chagas disease, comparative study of weight andometric features of diaphragm between chagasic (hypertrophic) and nonchagasic cardiopathies, autopsy study of 50 males: Brasil

Pathology, Protozoa
Eimeria tenella, increase in DNA in nuclei of chicken caecal cells infected with 2nd generation schizonts

Pathology, Protozoa
Beier, T. V.; and Sidoreenko, N. V., 1972, Parasitologija, Leningrad, v. 6 (4), 385-390
Haemogregarine-infected erythrocytes of Lactera armenica and L. saxicola nairensis, changes in hemoglobin and total protein content

Pathology, Protozoa
Entamoeba histolytica, humans, clinical analysis of secondary pulmonary infections of amoebiasis, diagnosis, case reports

Pathology, Protozoa
Bemrick, W. J.; and Hammer, R. F., 1978, Avian Dis., v. 22 (1), 86-94
Eimeria tenella, chickens (exper.), cecal lesions, scanning electron microscopy

Pathology, Protozoa
Bemrick, W. J.; and Hammer, R. F., 1979, Avian Dis., v. 23 (4), 812-820
Eimeria adenoides, turkeys (exper.), damage to cecal mucosa, scanning electron microscopy

Pathology, Protozoa
Eimeria beauchampi, cytochemistry, pathology

Pathology, Protozoa
Entamoeba histolytica, woman with hemorrhagic recto-colicis and ichthyosis associated with intestinal amoebiasis, additional severe resistance to various amoebicidal drugs, case report

Pathology, Protozoa
Best, T.; and Finlayson, M., 1979, Arch. Path. and Lab. Med., v. 103 (13), 693-696
Toxoplasma gondii, humans, 2 forms of encephalitis associated with opportunistic infection

Pathology, Protozoa
Toxoplasma gondii, 1-, 8-, and 10-day-old piglets (exper.), serological findings, tissue cysts, reactive changes in lymphoid tissue, incidence and severity of inflammatory lesions, organs affected; T. gondii more virulent in younger piglets due to delayed maturation of host lymphoid system during first week of life

Pathology, Protozoa
Entamoeba histolytica-associated rectal prolapse in children, di-iodoquine and metronidazole

Pathology, Protozoa
Trypanosoma cruzi, human congenital infections, histopathology of skin infections

Pathology, Protozoa
Trypanosoma cruzi, congenital infections, autopsy pathology of abortus, stillborn, newborn, and infants

Pathology, Protozoa
Leishmania tropica, newly isolated West African strain in several mouse strains, general course of infection, dose-response relationships, histopathology, specificity of lesions and evidence for dissemination of infection

Pathology, Protozoa
Giardia lambila resulting in malabsorption syndrome in children, clinical features of syndrome and pathologic changes in intestine

Pathology, Protozoa
Chagas disease in children, diagnosis, pathology, therapeutic trials with various drugs, metronidazole was well tolerated and therefore most promising therapy: Panama

Pathology, Protozoa
Biasiola, G. C., jr., 1979, J. Fish Dis., v. 2 (6), 493-500
Glugea heraldi n. sp. in Hippocampus erectus, histopathology
Pathology, Protozoa


Giardia lamblia, case report of infection in elderly woman resulting in severe atrophy of jejunal mucosa with dense plasma-cell infiltrate, complete recovery after therapy with metronidazole: England (had traveled to Far East)

Pathology, Protozoa


hepatic amoebic abscess in children, extensive analysis of pathologic findings of 20 autopsies: Chile

Pathology, Protozoa

Boonpucknavig, V.; and Sitprija, V., 1979, Trop. Med. and Hyg., v. 73 (4), 418-423

Pathology, Protozoa


incidence of multiple feeding by Anopheles gambiae; strong correlation between haematobia and malaria infections in villages: Barmawa, Garki District, Kano State, Nigeria

Pathology, Protozoa


Trypanosoma brucei in rabbits, fibrin degradation products in urine, possible mechanisms of renal damage

Pathology, Protozoa


Trypanosoma brucei orbitopharyngetic abscess in rabbits, role of urinary and plasma kallikrein in pathogenesis, immune complexes

Pathology, Protozoa

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Trichomonas vaginalis, study of duration of colposcopic changes associated with human vaginitis shows that colposcopic evaluation of abnormal Papanicolaou smears can be carried out within 2 weeks of initiating metronidazole antichlamydomonal therapy

Pathology, Protozoa

Boyt, W. S.; Van Dellen, A. F.; and Stewart, C. G., 1979, J. South African Vet. Ass., v. 50 (2), 135-144

Encephalitozoon [sp.], dogs (nat. and exper.), clinical, clinicopathological, macroscopic, and histopathological findings, electron microscopic and cultural confirmation, transmission experiment: South Africa

Pathology, Protozoa

Boyer, J. M.; D'Antonio, L. E.; and Schiavone, W. A., 1979, Infect. and Immun., v. 25 (3), 805-809

Plasmodium berghei, isolation of lytic factor which induces hemolysis of erythrocytes of mice and hamsters, lipid composition, possible role in pathogenesis of malaria

Pathology, Protozoa


Leishmania donovani, course of infection and pathology in 7 strains of mice with varying degrees of susceptibility, results demonstrate strong control by genetic constitutions of host and provide model for study of innate and acquired immunity to chronic intracellular parasites

Pathology, Protozoa

Braun, W. M.; and Gyarmathy, F., 1971, Therap. Hungar., v. 19 (2), 64-66

Trichomonas vaginalis, males, epididymitis and other urogenital infections, clinical aspects, klon therapy: Hungary

Pathology, Protozoa


Trypanosoma cruzi-infected rats, alterations in function and morphology of anterior hypothalamus

Pathology, Protozoa


Chagas disease, human, hypothalamus, pathologic changes

Pathology, Protozoa


Chagas disease, human, biochemical alterations in mucous secretions of digestive tract and bronchus attributed to disturbances of autonomic regulation resulting from infection

Pathology, Protozoa

Brøndum Nielsen, K.; and Hegedus, V., 1975, ROEFO, v. 123 (5), 486-489

Entamoeba histolytica, amoebic liver abscess complicating by biliary fistula, clinical case report, diagnostic difficulties and suggestions for diagnostic awareness in non-endemic areas: Pakistani worker in Denmark
Pathology, Protozoa

Naegleria fowleri, cytopathogenicity in mouse embryo-cell cultures, no evidence that cell-free cytotoxic factors play a part, damage seemed to occur only as result of direct contact with active amebae and appeared to be associated with phagocytic activity of trophozoites

Pathology, Protozoa
Anaplasma marginale, splenomegaly and intract calves (exper.), changes in serum total lipid, lipoprotein, and serum proteins during infection and recovery

Pathology, Protozoa
Chagas disease, decreased lipoprotein lipase activity in persons with chronic infection

Pathology, Protozoa
Carpenter, J. W.; et al., 1979, J. Am. Vet. Med. Ass., v. 175 (9), 948-951
Protozoa [sp.] in Grus canadensis, disseminated granulomas, histopathology, electron microscopy: Patuxent Wildlife Research Center

Pathology, Protozoa
Trypanosoma cruzi, patients with chronic infection, associated thyroid mass is not a typical finding, survey of 30 patients: Brazil

Pathology, Protozoa
Trypanosomiasis, human, chronic myocarditis, clinical pathology, causes of death

Pathology, Protozoa
Cerva, L., 1971, Folia Parasitol., v. 18 (2), 171-176
Naegleria gruberi, Vitek strain, white mice, albino guinea pigs, 7 day-old chick embryos (exper. in all), pathogenicity studies

Pathology, Protozoa
Chandler, F. W., jr.; Frenkel, J. K.; and Campbell, W. G., jr., 1979, Am. J. Path. (444), v. 95 (2), 571-574
Pneumocystis carinii pneumonia in immunosuppressed rat, animal model of human disease

Pathology, Protozoa
Trypanosoma cruzi, young children, extremely severe infections with acute cardiovascular involvement and shock, lamint effective but seldom available: Cochabamba, Bolivia

Pathology, Protozoa
Chawla, L. S.; et al., 1975, Scand. J. Gastroenterol., v. 10 (4), 445-447
Giardiasis, humans, decreased trypsin activity in duodenal aspirate of infected persons, comparison studies with normal controls, activity returned to normal after eradication of parasites

Pathology, Protozoa
Cheema, A. H.; and Toofanian, F., 1979, Cornell Vet., v. 69 (3), 159-168
Besnoitia [sp.], gross and histopathological changes in wild and domestic goats: Fars Province, Iran

Pathology, Protozoa
Entamoeba histolytica, experimental muscular infection in hamsters, pathology, metronidazole trial; useful biological model, particularly for chemotherapy studies

Pathology, Protozoa
Globidium [sp.], Yankasa sheep, clinical symptoms, gross and histopathological lesions, importance of differentiating from intestinal coccosis: Nigeria

Pathology, Protozoa
Cho, B. C., 1977, Taehan Ankwa Hakhoe Chapchi (J. Korean Ophth. Soc.), v. 18 (1), 9-12
Toxoplasma gondii-infected mice, pathologic changes in brains and orbits

Pathology, Protozoa
Chu, W. H.; and Jaques, R. P., 1979, Entomophaga, v. 24 (3), 229-235
Vairimorpha necatrix in Trichoplusia ni (exper.) (fat body, muscle tissue, midgut), symptoms, histopathology

Pathology, Protozoa
suspected Sarcocystis, cattle, clinical disease described, post-mortem findings, histopathology: Leicestershire, England

Pathology, Protozoa
Babesia bigemina- and B. bovis-immunized European taurus calves transported to lowland tropics, exposed to heavy vs. light Boophilus microplus infestation, resulting B. bigemina, and B. bovis parasitemias, mortality, weight loss, and anemia: Caribbean Coast, Colombia

Pathology, Protozoa
Eimeria pellerdyi, Eimeria intestinalis, young rabbits, hematological changes

Pathology, Protozoa
Leishmania braziliensis, L. mexicana, L. tropica, experimental infections in laboratory animals, comparative pathology, characteristics for differential diagnosis
Pathology, Protozoa
Toxoplasma gondii, trypanosomiasis, malaria, leishmaniasis, parasitic pathology of foetus, review

Pathology, Protozoa
Encephalitozoon cuniculi in rabbits, histopathology, value of serology (indirect immunofluorescence) in early diagnosis

Pathology, Protozoa
Encephalitozoon cuniculi, rabbits infected orally, intratracheally, or intravenously, serum antibody levels, excretion of spores in urine, frequency of organisms in several organs and severity of lesions

Pathology, Protozoa
Toxoplasma gondii, congenital encephalomyelitis, perivascular mononuclear infiltrations, nodular gliosis and granulomatous lesions in spinal cord

Pathology, Protozoa
Toxoplasmosis, necrotizing and granulomatous fatal parasitic infection in woman with stabilized Hodgkin's disease, case report, discussion of diagnostic problems

Pathology, Protozoa
Entamoeba histolytica, comparative epidemiological survey, rural vs. urban areas, highest prevalence directly related to lowest sanitary conditions, clinical manifestations, associated parasitism: Brazil

Pathology, Protozoa
Entamoeba histolytica, patients from 3 geographic areas, endoscopic study of intestinal infections, histopathology, patients with symptoms vs. those without symptoms: Brazil

Pathology, Protozoa
Current, W. L.; and Janovy, J., jr., 1978, J. Protozool., v. 25 (1), 56-65
Henne nyuya exilis, comparative ultrastructure of interlamellar and intralamellar types of infection in Ictalurus punctatus, demonstrates that plasmodia of the 2 clinical types differ with respect to arrangement within gill filament, that interlamellar form causes extensive hyperplasia of host basal epithelium while intralamellar form does not, that clinical types differ with respect to ultrastructure of plasmadium walls, and that there is structural difference in surface coat covering plasmodia of the 2 clinical types

Pathology, Protozoa
Trypanosoma equiperdum-infected guinea pigs (exper.), alterations in cardiac muscles, observations on ECG records, histological and histochemical estimations of glycogen content, pyruvic acid levels in blood, evidence of vitamin B12 deficiency

Pathology, Protozoa
Leishmaniasis donovani presenting as localized lymphadenitis without cutaneous, mucosal or visceral involvement, histologic appearance simulated toxoplasmosis, 2 case reports, value of electron microscopy in differential diagnosis

Pathology, Protozoa
Human Chagas disease with resulting megasophagus, surgical procedure for successful repair of diseased area

Pathology, Protozoa
Dee, P.; Winn, W.; and McKee, K., 1979, Am. J. Roentgenol., v. 132 (5), 741-746
Pneumocystis carinii, human, diagnosis, correlation between radiologic and pathologic findings, usefulness of chest radiography in determining significance of infections

Pathology, Protozoa
Human Chagas cardiac disease, relationship between the pre-ejection and ejection phases of the left ventricle in chronic infections

Pathology, Protozoa
Deere, P. A.; Sahnis, M. G.; and Bendre, V. U., 1979, Indian Vet. J., v. 56 (9), 794-795
Theileria annulata, bovine, atypical cutaneous case

Pathology, Protozoa
Trypanosoma cruzi, NMRI-mice, long-term study following paw infection, pathohistological findings in 17 organs at different times after infection
Pathology, Protozoa  
- Eimeria tenella in conventional, bacteria-free, and monovalent (Escherichia coli and Bacteroides sp.) chicks (exper.), comparison of cecal lesions, weight gain, clinical signs, and mortality

Pathology, Protozoa  
- Isospora ohiensis-like organism, dog (small intestine, cecum, colon, terminal ileum, villous epithelium, lamina propria, intestinal glands), description of asexual and sexual stages, pathology, attempted treatment with sulfaguanidine unsuccessful, case report: Ohio

Pathology, Protozoa  
- unidentified free living amoeba (appeared to be neither Naegleria or Acanthamoeba-Hartmannella, but possibly Vahlkampfiidae) causing fatal primary amoebic meningencephalitis and brain abscess in diabetic woman, case report, discussion of identifying characteristics, classification and speciation, public health implications: rural Smithfield, Virginia

Pathology, Protozoa  
Duszynski, D. W.; et al., 1978, J. Protozool., v. 25 (3, pt. 2), 370-374
- Eimeria nieschulzi, rats, intestinal transit time during infection, on basis of findings it is difficult to implicate altered intestinal transit time in symptoms such as diarrhea which attend coccidiosis

Pathology, Protozoa  
- Eimeria nieschulzi, structural and functional changes in small intestine of infected rats (increase in intestinal mass; changes in mucosal structure especially increased crypt depth; decrease in peroxidase levels in lamina propria; reduction of brush border disaccharidase activity), intensity of all changes was directly dose-dependent

Pathology, Protozoa  
- Henneguya spp., developmental stages in hosts, histopathological changes in fish gill, inflammatory reaction may be a temperature dependent immune response: South Bohemia

Pathology, Protozoa  
- Glugea anomala, Gasterosteus aculeatus (exper.) (stomach), xenoparasitic formations typical of intracellular development responsible for marked tissue reaction in host, histopathology

Pathology, Protozoa  
- Trypanosoma danilewskyi and Trypanoplasma borelli in Carassius auratus (exper.), histopathological changes

Pathology, Protozoa  
- Eimeria tenella in conventional, bacteria-free, and monovalent (Escherichia coli and Bacteroides sp.) chicks (exper.), comparison of cecal lesions, weight gain, clinical signs, and mortality

Pathology, Protozoa  
Dzhemileva, T.; Stoianova, O.; and Popov, K., 1976, Stomatologija, Sofia, v. 58 (3), 165-169
- Entamoeba gingivalis, incidence in young people with normal gingiva, or with chronic catarrhal or experimental gingivitis, possible significance of parasite enzymes in pathogenicity

Pathology, Protozoa  
- Trypanosoma gambiense, humans, meningencephalitis, clinical signs, pathology, diagnosis, case histories

Pathology, Protozoa  
Ehrensperger, F.; and Suter, M., 1977, Kleintier-Praxis, v. 22 (2), 59-62
- Toxoplasma sp., puppies, radiculoneuritis, clinical and pathological findings
Pathology, Protozoa
human hepatic amoebiasis, previous history of corticosteroid therapy as a precipitating factor in abscess formation

Pathology, Protozoa
Plasmodium berghei in mice, 6 different host strains compared, course of infection, mortality patterns, parasitemia, pathological changes, host genetic variation, implications for laboratory model studies

Pathology, Protozoa
Erturk, M.; and Fak. Mem. Issue,  Ankara Univ., v. 23 (3-4), 552-567
Ichthyobodo necator in Salmo salar (gills), high mortality following transfer to seawater cages probably due to prior infestation in freshwater, pathology: farm in Scotland

Pathology, Protozoa
Plasmodium berghei, Swiss albino mice infected intraperitoneally, capacity of cyclophosphamide to suppress immune response and increase pathology attributed to suppressive effects of drug upon protein synthesis, cell division and activity of reticuloendothelial cells

Pathology, Protozoa
Erber, M.; and Geisel, O., 1979, Berl. u. Munchen. Tierarztl. Wehnschr., v. 92 (10), 197-202
Sarcocystis suicanis, pigs (exper.), clinical findings, pathology, susceptibility to S. suhominis but not to reinfection with S. suicanis; S. suicanis cysts proved infective to dogs (exper.)

Pathology, Protozoa
Theileria annulata, calves (exper.), clinical-pathologic study

Pathology, Protozoa
Epistylis-Aeromonas complex, centarchid fish, incidence, spatial distribution of lesions, host size class (age), body condition, seasonal periodicity, influence of thermal effluent on disease: Par Pond reservoir, Savannah River Plant near Aiken, South Carolina

Pathology, Protozoa
amoebic pericarditis, man, case report, clinical aspects

Pathology, Protozoa
Facer, C. A.; et al., 1978, Exp. Parasitol., v. 44 (2), 249-261
Trypanosoma brucei, rabbits, renal pathology, glomerular changes result from deposition of soluble trypanosome immune complexes, tubular changes are typical of tissue ischemia, trypanosomiasis in rabbit could be valuable model

Pathology, Protozoa
Sarcocystis spp., cattle, sheep, frequency of infestation, host age and sex, localization in various muscles, pathology: Morocco

Pathology, Protozoa
Sarcocystis cruzi-infected calves (exper.), pathophysiological changes in urine and blood, several specific effects beyond those induced by nutritional stress

Pathology, Protozoa
toxoplasmosis, human, gastritis, cholécystitis, colitis and other pathology involving the gastrointestinal tract

Pathology, Protozoa
Plasmodium falciparum, woman, acute pulmonary edema as a complication of parasite infection, case findings suggest that the edema was the result of altered capillary membrane permeability

Pathology, Protozoa
Elmeria acervulina-infected chickens, reduced time of generation cycle of duodenal crypt cells as measured by [3H]thymidine, increased population of dividing cells within each duodenal crypt; changes seem to result from induced changes in functional activity

Pathology, Protozoa
Trypanosoma cruzi-infected guinea pigs, lesions of testis and epididymis, pathology similar to that reported in human Chagas disease

Pathology, Protozoa
Chagas disease, human, demonstration of degenerative lesions in cardiac autonomic fibers and interstitial cells supports theory that cardiopathy is of neurogenic origin

Pathology, Protozoa
Fink, E.; and Schmidt, H., 1979, Tropenmed. u. Parasitol., v. 30 (2), 206-211
Trypanosoma brucei rhodesiense, EATRO 1989 strain in white mice induced chronic infection with meningoencephalitis similar to infection in humans, suitable model for studying human infection and screening drug compounds for activity during late stages of infections

Pathology, Protozoa
Trypanosoma cruzi, mice, neuron lesions of juxtaprostlastic pelvic ganglion, applications for human testicular lesions and genital misfunctions in human infections
Pathology, Protozoa
Chagas disease in rats, excretion of urinary catecholamines under basal conditions, after insulin hypoglycemia and under reserpine stimulation, comparison with normal controls

Pathology, Protozoa
Forsberg, C. M.; et al., 1979, Vet. Path., v. 16 (2), 229-242
Trypanosoma congolense, calves, kinetics of blood coagulation

Pathology, Protozoa
Freier, J. E.; and Friedman, S., 1976, J. Invert. Path., v. 28 (2), 161-166
Aedes aegypti feeding on Plasmodium gallinaeum-infected chickens: take less blood and lay fewer eggs than those feeding on uninfected hosts in inverse correlation with degree of parasitemia, and ingest blood in amounts directly proportional to amount of time spent on hosts (whereas there is no relationship between host contact and blood meal size when feeding on uninfected hosts); infected chickens are less attractive to mosquitoes than uninfected chickens

Pathology, Protozoa
Galhotra, A. P.; et al., 1979, Indian Vet. J., v. 56 (8), 466-469
Anaplasma marginale, terus index, bone marrow changes (exper.), blood proteins, bilirubin and icterus index, bone marrow changes

Pathology, Protozoa
Giardia lamblia, humans, values of serum immunoglobulins, disaccharidases, lactic acid and fecal pH compared with values in normal controls

Pathology, Protozoa
Plasmodium falciparum, humans, associated renal failure and respiratory distress, clinical aspects, case reports: Spain (travelers and workers from endemic areas)

Pathology, Protozoa
human amoebiasis, hepatic abscess, diagnosis using hepatograms and scintigraphy, interpretation of findings

Pathology, Protozoa
Gear, J. H. S.; and Measroch, V., 1971, Recent Advances Stud. Cardiac Struct. and Metab., v. 2, 141-163
human filariasis, malaria and trypanosomiasis, etiology in endomyocardial fibrosis and other infective forms of myocarditis, review

Pathology, Protozoa
Gelis, O.; et al., 1978, Vet. Path., v. 15 (5), 621-630
Frenkelia clethromombyobuteonis in Clethrionomys glareolus (exper.), pathomorphology

Pathology, Protozoa
Pneumocystis carinii, pneumonia, children, pathology, diagnosis, clinical aspects

Pathology, Protozoa
Chagas disease, aspects of lipid metabolism, comparison study of persons with chronic infections, chronic infections with cardiopathy, and normal controls, results imply that persons with chronic Chagas and cardiopathy may have lowered triglyceride synthesis

Pathology, Protozoa
Chagas disease, patients, acute dilatation of chagasic megacolon, clinical aspects, medical and surgical management, differential diagnosis: Brasil

Pathology, Protozoa
Goldstein, F.; Thornton, J. J.; and Szylowski, T., 1978, Am. J. Digest. Dis., n.s., v. 23 (6), 559-560
Giardia lamblia, humans, hepatobiliary form, trophozoites in bile, nonvisualization of gall bladder as important diagnostic feature, relief of biliary symptoms after metronidazole therapy, clinical case report

Pathology, Protozoa
Babesia bovis-infected splenectomized and intact calves, changes in fibrinogen, plasminogen, and IgG in saline eluates from sucrose-washed erythrocytes and in plasma, relationship to coagulation, fibrinolysis, and blood agglutination

Pathology, Protozoa
Goodger, B. V.; et al., 1978, Ztschr. Parasitenk., v. 58 (1), 3-13
Babesia bovis (argentina)-infected calves, cryofibrinogen complex in plasma, characterization, contribution to pathophyiology

Pathology, Protozoa
Goodwin, L. G., 1974, Ciba Found. Symp., n.s. (20), 107-124
African trypanosomiasis, mechanisms of pathogenesis, review

Pathology, Protozoa
Greer, C. A.; Cain, G. D.; and Schottelius, B. A., 1979, J. Parasitol., v. 65 (5), 825-827
Trypanosoma brucei-infected rats, changes in vascular smooth muscle contractility
Pathology, Protozoa
Griffin, L.; and Allonby, E. W., 1979, J. Comp. Path., v. 89 (4), 457-464
Trypanosoma conglense, sheep and goats; description of acute, sub-acute, and chronic disease syndromes: Kenya

Pathology, Protozoa
leishmaniasis, clinical and histological features of South West African form

Pathology, Protozoa
Gruber, H. E.; and Osborne, J. W., 1979, Lab. Animals, v. 13 (3), 199-202
Spirochites muris, X-irradiated rats; ultrastructural changes in intestinal epithelium, no evidence of phagocytosis by Paneth cells

Pathology, Protozoa
toxoplasmosis, human lymphoglandular, pathological aspects

Pathology, Protozoa
Gullet, J.; et al., 1979, Am. J. Med., v. 67 (5), 491-496
Acanthamoeba astronyxis, Mexican woman, fatal case of disseminated granulomatous infection with skin lesion and focal encephalitis: San Francisco

Pathology, Protozoa
Plasmodium vivax, humans, possible association of disseminated intravascular coagulation and hyperuricaemia, improvement after chloroquine therapy

Pathology, Protozoa
Enterobius vermicularis, Balantidium coli, human, cause of appendicitis, search of surgical case records: Peru

Pathology, Protozoa
intestinal amoebiasis in pregnant women, diagnostic difficulties, evidence of increased virulence and appearance of severe complications, clinical review of 6 cases: Colombia

Pathology, Protozoa
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Sarcocystis ovicanis, possible cause of polyarteritis nodosa in sheep

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Sarcocystis-like protozoon in ewe (lymph nodes, myocardium, capillary endothelium), description (light and electron microscopy), distribution in host, clinical signs, pathology, case report: Gotland

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SUBJECT HEADINGS

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Long, P. L.; and Millard, B. J., 1979, Parasitology, v. 78 (1), 41-51
Eimeria dispersa, isolation from turkeys in Britain, life cycle and reproduction, cross-protection against American strain, electrophoretic analysis of enzymes, host specificity studies, in vitro growth studies, gross pathology, pathogenicity, immunogenicity

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Chagas disease, intracardiac autonomic nervous system pathology compared with pathology of rheumatic heart disease and hypertensive heart disease

Pathology, Protozoa
Chagas disease, humans, chronic infections, heart weights at death compared with heart weights in deaths from other causes, legal medicine aspects

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Chagas myocarditis, acute human infection with resulting severe cardiac pathology, light and electron microscopic study

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Giardia muris, Hexamita muris, mice (exper.), effects of chronic infection on small intestinal epithelial cell kinetics

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Latent Chagas disease, humans, evaluation of physical capacity and myocardial function

Pathology, Protozoa
Trypanosoma cruzi-infected rats, acetylcholine content and cholinergic innervation of heart

Pathology, Protozoa
Trypanosoma cruzi, rats, heart noradrenaline levels at different periods after infection, results suggest that sympathetic nerve fibers are destroyed in acute phase and regenerated during chronic phase

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Giardia muris, laboratory mice, pathogenicity, morphological findings, transmission electron, scanning electron and light microscopy

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Madden, P. A.; and Ruff, M. D., 1979, J. Parasitol., v. 65 (2), 234-242
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Naegleria gruberi resulting in fatal human primary amoebic meningoencephalitis, report of atypical case documenting diagnostic and therapeutic problems: Jammu

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Toxoplasma gondii, outbreaks among domestic rabbits, importance of microscopical and histological examination and serological tests for diagnosis, problems of epizootiology and prophylaxis: Basso Piave, Venice district

Pathology, Protozoa
Sarcocystis and sarcocystosis in domestic animals and man, extensive review (life cycle; host specificity; pathogenicity and pathology; immunology and serology)

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Malaria, humans, role in tropical splenomegaly syndrome, current appraisal, review

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Plasmodium knowlesi in Macaca mulatta, plasma
kinin concentration, physiopathological ef-
fcts of kinin extracts from blood of in-
fected monkeys when injected intradermally
into guinea pigs
Pathology, Protozoa

coccidiosis, chickens, levels of sulfhydryl groups in blood as measure of functional status of host

Pathology, Protozoa

amoebic liver abscess, patients presenting with jaundice, diagnostic problems resulting in delayed therapy often result in fatal complications of hepatic and renal failure

Pathology, Protozoa
Owens, P. L.; Goldberg, M. F.; and Busse, B. J., 1979, Am. J. Ophthalm., Chicago, s. 3, v. 88 (3, pt. 1), 402-405

recurrent ocular toxoplasmosis, 19-year-old man, prospective observation of vascular anastomoses between retina and choroid, case report: University of Illinois

Pathology, Protozoa

Babesia bigemina, cow calves (exper.), clinical symptoms as related to percentage of parasitaemia in various stages of disease as basis for timely diagnosis and treatment, highest parasitaemia at peak of fever

Pathology, Protozoa
Panikarovskii, V. V.; et al., 1976, Stomatology, Moskva, v. 55 (1), 1-4

leishmaniasis, human, acute necrotising skin lesions, surgical removal at node stage gives better results than surgical treatment of ulcer stage

Pathology, Protozoa

Malanea locustae in Schistocerca gregaria (malpighian tubules), morphological and physiological disturbances due to M. locustae

Pathology, Protozoa
Panicker, M.; et al., 1976, Acrida, v. 7 (2), 125-137

Chagas disease, males, necropsy study, increased incidence of tracheal deviations: Brazil

Pathology, Protozoa

human Chagas heart disease, phonomechanographic parameters of left ventricular systole and endocardial pacemaker in chronic infection

Pathology, Protozoa

human Chagas cardiac disease, phonocardiographic systolic parameters and complete heart block

Pathology, Protozoa
Perez, H.; Arredondo, B.; and Gonzalez, M., 1978, Infect. and Immun., v. 22 (2), 301-307

Leishmania mexicana, 2 human strains (one from typical case of American cutaneous leishmaniasis and one from case of diffuse cutaneous leishmaniasis) in 2 strains of inbred mice, course of lesions, delayed hypersensitivity response, agglutinating antibodies, in vitro responses to leishmanial antigens and to mitogens, results show impaired immune response in BALB/c mice

Pathology, Protozoa

Entamoeba histolytica, human hepatic abscess with extension to abdominal wall and skin surface, clinical case report

Pathology, Protozoa

Trypanosoma cruzi, comparison of 9 strains isolated from man, animals, and triatomine bugs, host pathology, virulence, infectivity, importance of strain differentiation: Brazil

Pathology, Protozoa

Toxoplasma gondii, serologic data suggest that idiopathic inflammatory muscle disease is associated with recent active infection in certain patients, pathogenetic role of microorganism remains uncertain

Pathology, Protozoa
Philocreon, G. R., 1976, Rev. Goiania Med., v. 22 (3-4), 121-201

Toxoplasma gondii, clinical and serological survey of pregnant women, study of incidence, consequences of latent forms of disease, influential factors as age, race and origin, and relationships between toxoplasmosis and pathologic pregnancies: Goiania, Brasil

Pathology, Protozoa
Piekarski, G.; et al., 1978, Immun. u. Infekt., v. 6 (4), 153-159

Sarcocystis suihominis, medical students fed raw meat from experimentally infected pig, clinical, parasitological, and serological findings

Pathology, Protozoa

Toxoplasma gondii, laboratory mice and rats, latent infection, diminished learning ability

Pathology, Protozoa

pancarditis with valvulitis in endomyocardial fibrosis and in human African trypanosomiasis, comparative study of 2 cases of each, possible relationship: Uganda
Pathology, Protozoa
Eimeria carassiusaurati n. sp., pathology

Pathology, Protozoa
Roth, R. L.; and Herman, R., 1979, Exper. Parasitol., v. 47 (2), 169-179
Plasmodium falciparum, correlation of in vitro erythrocytaphagocytosis with dynamics of early-onset anemia and reticulocytosis in mice

Pathology, Protozoa
Eimeria spp., chickens, anticoccidials, safe withdrawal times, effect on nutrient malabsorption

Pathology, Protozoa
Ruff, M. D.; and Wyatt, R. D., 1978, Avian Dis., v. 22 (3), 471-480
Eimeria acervulina, 5 strains, broiler chicks, dietary aflatoxin increased severity of coccidiosis (body weight, plasma pigment, blood parameters)

Pathology, Protozoa
Eimeria spp, in broilers, severe infection increased prothrombin times compared with uninfected birds

Pathology, Protozoa
cutaneous leishmaniasis, 54-year-old woman, microscopic findings, ultrastructure of lesion presented to facilitate diagnosis in South West Africa

Pathology, Protozoa
Ryley, J. F.; and Hardman, L., 1978, Parasitology, v. 76 (1), 11-20
Eimeria spp., chicks (exp.), effects of dietary vitamin K on severity of disease with particular attention to effects of vitamin K on response to anticoccidial drugs, concluded that use of vitamin K deficient diet for experimental work is quite justified

Pathology, Protozoa
Cell injury and parasitic infection, malarial infection as model for cell injury

Pathology, Protozoa
Chagas disease, outpatients, review of cases from 1960-1970, decreased incidence of cardiopathy: Hospital das Clinicas de Ribeirao Preto

Pathology, Protozoa
Saltzman, D. A.; Smithline, N.; and Davis, J. R., 1978, Am. J. Digest. Dis., n.s., v. 23 (6), 561-567
multiple amoebic abscesses with secondary fulminant hepatic failure, man, fatal illness, diagnosis at post-mortem: area of Arizona-Mexican border

Pathology, Protozoa
coy coccidiosis, baby pigs, cause of scours, clinical and pathologic features, treatment with amprolium: southern Georgia

Pathology, Protozoa
acute congenital toxoplasmosis of generalized form diagnosed in infant presenting with severe hemorrhagic syndrome, intense jaundice, and spleno-hepatomegaly, clinical aspects, 10-month follow-up: Uruguay

Pathology, Protozoa
Sanz Malaga, G.; Morales Gonzales, W.; and Boza Revilla, A., 1975, Rev. Peruana Cardiol., v. 18 (1), 5-21
Chagas disease, chronic cardiomyopathy, pathology

Pathology, Protozoa
gregarines, possibly Nematopsis-Porospora group in Crassostrea virginica, seasonal pathology suggests that parasites overwinter in hibernating oysters, undergo vegetative growth in the spring, and then perish or undergo further development in an unknown host

Pathology, Protozoa
Entamoeba histolytica in pet Lagothrix (ileum), mixed infection with Salmonella, pathology: Saskatoon, Canada

Pathology, Protozoa
Schildknecht, E. G.; and Squibb, R. L., 1979, Parasitology, v. 78 (1), 19-31
Histomonas meleagridis in turkeys, effects of vitamins A, E, and K (alone and in combination with ipronidazole) on performance and on plasma enzymes, plasma enzyme levels correlated well with progressive pathological changes

Pathology, Protozoa
Trypanosoma cruzi, rats, pathology of myocardial lesions

Pathology, Protozoa
Seko, K.; et al., 1978, Shinkei Naika (Neurol. Med.), v. 8 (2), 125-131
Malaria, human cerebral, pathologic findings at autopsy

Pathology, Protozoa
congenital toxoplasmosis in twin infants with secondary neonatal hepatic calcification, clinical case reports

Pathology, Protozoa
Encephalitozoon cuniculi in puppies (renal tubule cells, endothelial cells, brain), clinical signs, lesions, description of organism, immunofluorescence serology: Texas
Pathology, Protozoa
Sharma, O. P.; et al., 1978, Indian J. Exper. Biol., v. 16 (6), 665-667
Plasmodium berghei, mice, xanthine oxidase activity in liver

Pathology, Protozoa
Toxoplasma gondii, pregnant ewes (exper.), clinical manifestations, serology, macroscopic and microscopic findings, histopathology

Pathology, Protozoa
Diplocystis tipulae sp. nov. from Tipula spp., morphology, life cycle, relationship with intestinal gregarines, synchrony between host and parasite developmental rates, pathology, host reactions

Pathology, Protozoa
Shibalova, T. A.; and Antukhaev, I. K., 1979, Tsitologiia, v. 21 (3), 300-303
Eimeria kotlani-infected goose intestinal epithelial cells, ultrastructure

Pathology, Protozoa
Entamoeba histolytica, intrahepatic inoculation in Cricetus auratus of human strain associated with Blastocystis hominis, liver abscess, diagnosis, results demonstrate the tissue adaptability of B. hominis and its potential as a conditioned pathogen

Pathology, Protozoa
Simpson, C. F.; Gaskin, J. M.; and Harvey, J. W., 1978, J. Parasitol., v. 64 (3), 504-511
Haemobartonella felis-parasitized cat erythrocytes, ultrastructural characteristics of damage caused by parasitism, presence of crystalloid inclusions, implications for pathogenesis of anemia associated with this infection

Pathology, Protozoa
Anaplasma, cattle and sheep (both exper.), blood changes before and after treatment with terramycin injectable solution

Pathology, Protozoa
Cryptosporidium [sp.] in Arabian foals with inherited combined immunodeficiency, mixed infection with adenovirus, difficult to separate effects of both disease agents: Colorado State University

Pathology, Protozoa
Spangler, W. L.; et al., 1978, Vet. Path., v. 15 (1), 83-91
Plasmodium knowlesi in Macaca mulatta (exper.), pathology

Pathology, Protozoa
Theileria annulata, cross-bred calves (exper.), histopathology

Pathology, Protozoa
Toxoplasma gondii, child receiving immunosuppressive drugs for rheumatoid arthritis, recurrent infection with toxoplasmosis resulting in fatal encephalitis: Sao Paulo, Brazil

Pathology, Protozoa
Entamoeba histolytica, retrospective study of 453 persons who became infected through travel or living abroad, symptoms, pathology, therapy: Zurich region of Switzerland

Pathology, Protozoa
Pneumocystis carinii, 2-month-old human (lung parenchyma, lumen of capillaries), pathology, possible invasion of lung parenchyma by trophozoites conveyed by blood

Pathology, Protozoa
Toxoplasma, possible cause of human mesenteric lymphadenitis, clinical report

Pathology, Protozoa
Surkova, A. M., 1972, Parazitologiia, Leningrad, v. 6 (2), 171-175
Eimeria tenella, E. mitis, chickens (exper.), changes in total, residual, and protein nitrogen content in liver, depends on stage of development of parasite, host age, and species of Coccidium

Pathology, Protozoa
Eperythrozoon ovis, sheep (exper.), body and organ weight measurements, pathology

Pathology, Protozoa
Sutton, R. H., 1979, Vet. Parasitol., v. 5 (1), 1-15
Eperythrozoon ovis, effect of infection on reductive potential of sheep erythrocytes

Pathology, Protozoa
Trypanosoma cruzi, human, chronic myocarditis, electron microscopic study of heart muscle cells and interstitial tissue, description of types of lesions

Pathology, Protozoa
Human trypanosomiasis, electron microscopic study of pathologic changes resulting in megaesophagus interstitium
Pathology, Protozoa
Chagas disease, congenital case report, infant with cardiopathy and esophageal dis- perstaltis from birth: Belo Horizonte, Brazil

Pathology, Protozoa
human Chagasic megaesophagus, role of neuro-secretory vesicular component

Pathology, Protozoa
Trypanosoma cruzi, human, alterations of Auerbach plexus lesions of the esophagus, jejunum and colon, electron microscopy

Pathology, Protozoa
Pneumocystis carinii pneumonia, pathology in patients with malignant neoplasms, case re- ports: Japan

Pathology, Protozoa
Takhar, B. S.; and Farrell, D. J., 1979, Brit. Poult. Sci., v. 20 (2), 197-211
Eimeria acervulina- or Eimeria tenella-infected chickens, energy and nitrogen metabolism

Pathology, Protozoa
Eimeria acervulina, chickens, single infection provides protection against adverse effects on energy and nitrogen metabolism of further similar infection

Pathology, Protozoa
Tamura, S., 1976, Research Bull. Obihiro Univ., s. i., v. 9 (4), 669-677
Toxoplasma gondii, Beverley strain, mice (exper.), histopathological findings in various organs

Pathology, Protozoa
Teixeira, J.; et al., 1975, Rev. Brasil. Med., v. 32 (4), 221-227
Chagas disease, human, resulting ventricular aneurysm, clinical case report, successful surgical repair: Bahia, Brazil

Pathology, Protozoa
Thanikachalam, M.; Sundararaj, A.; and Manohar, M. B., 1979, Poultry Adviser, v. 12 (7), 63-65
Eimeria brunetti, fowl, pathology of ileum and rectum: near Madras

Pathology, Protozoa
Thompson, A. C.; and Sikorowski, P. P., 1979, Comp. Biochem. and Physiol., v. 63A (3), 325-328
Noosema heliothidis, effects on fatty and amino acids in infected Heliothis zea larvae and pupae

Pathology, Protozoa
Eimeria necatrix, induction of gel-phase lipid in plasma membrane of chick intestinal cells after infection, membrane lipid of developing parasites remains exclusively liquid crystalline at physiological temperature

Pathology, Protozoa
Thongsupsan, W.; and Cox, H. W., 1978, J. Parasitol., v. 64 (4), 669-673
Trypanosoma lewisi, ATC strain in Sprague-Dawley rats, anemia, splenomegaly, and glomerulonephritis accompanied by presence of cold-active hemagglutinin for trypsinized rat erythrocytes

Pathology, Protozoa
Tizard, I.; et al., 1978, Microbiol. Rev., v. 42 (4), 661-681
African trypanosomes, biologically active products and pathogenesis

Pathology, Protozoa
Trypanosoma congolense-derived hemolytic fatty acids, characterization, probably not important mechanism of anemia in bovine trypanosomiasis

Pathology, Protozoa
Giardia lamblia, intestinal colonization by enterobacteria as possible important contributing factor in the development of malab- sorption in humans with giardiasis

Pathology, Protozoa
Trypanosoma vivax, T. congolense, zebu and N'Dama cattle, pathology compared, N'Dama not as susceptible as zebu and some dis- played a remarkable immunity: Missira, Senegal

Pathology, Protozoa
human amoebic hepatic abscess, analysis of hospital cases (presenting symptoms, complic- ations, medical and surgical management): Mexico

Pathology, Protozoa
Toxoplasma gondii in domestic animals and man, life cycle, pathogenesis, pathology, review

Pathology, Protozoa
Epistylis sp. on Acartia tonsa, bacterial colonization near ciliate-produced lesions in exoskeleton suggests that bacteria may utilize dissolved copepod body contents: upper Escambia Bay, Florida
Pathology, Protozoa

Tustin, R. C.; and van Heerden, J., 1979, J. South African Vet. Ass., v. 50 (1), 49-51

Theileria sp., bovine, clinical signs, lesions in spinal cord and meninges, histopathology: Rietgat area of Pretoria district, South Africa

Pathology, Protozoa


Trypanosoma cruzi, survey of 40 children with either acute Chagas disease or chagasic myocarditis, 5-year follow-up of relationship between therapy with lampit, electrocardiographic changes, and changes in body weight: San Salvador, El Salvador

Pathology, Protozoa

Valli, V. E. O.; and Forsberg, C. M., 1979, Vet. Path., v. 16 (3), 334-368

Trypanosoma congolense, calves, quantitative histological changes

Pathology, Protozoa

Valli, V. E. O.; Forsberg, C. M.; and Lumsden, J. H., 1979, Vet. Path., v. 16 (1), 96-107

Trypanosoma congolense, calves (exper.), pathogenesis, neutropenia, myeloid response

Pathology, Protozoa


Trypanosoma congolense, calves (exper.), clinical observations, gross pathology

Pathology, Protozoa


Hexamita muris in laboratory mice (intestines), disease picture somewhat different than previously reported

Pathology, Protozoa


Pathology, Protozoa


Trypanosoma evansi, buffalo and cow calves (both exper.), clinical findings, parasitaemia, hematological changes

Pathology, Protozoa


Trypanosoma evansi, buffaloes and cows (exper.), gross and histopathological changes

Pathology, Protozoa


Trypanosoma cruzi, humans, associated bronchiectasis and pneumopathy, incidence survey: Brazil

Pathology, Protozoa


Chagas disease, human, chronic infections, frequent evidence of hypoglycemia

Pathology, Protozoa


Trypanosoma cruzi, results of insulin tolerance test in infected dogs showed that dogs had a hypoglycemia similar to that of humans with chronic infection, rats had responses similar to that of control group

Pathology, Protozoa


Sarcocystis in Mus musculus (exper.) (abdominal musculature), pathology

Pathology, Protozoa


Entamoeba histolytica-infected rats pretreated with corticosteroids, irradiation or both, exacerbation of amoebic pathology, corticosteroid therapy possibly aggravates otherwise sub-clinical infection

Pathology, Protozoa

Voronin, V. N., 1971, Parazitologiia, Leningrad, v. 5 (2), 186-191

Theilohania conjejeani in Astacus astacus (skeletal and cardiac muscles, ovaries and eggs) (nat. and exper.), prevalence, pathogenesis, developmental cycle, possibility of transovarian as well as oral transmission: Leningrad oblast

Pathology, Protozoa


Trichomonas vaginalis causing enterocolitis in 9-day-old infant, infection thought to have occurred per os during delivery

Pathology, Protozoa


Pneumocystis carinii, cortisone-treated rats, elaborate ultrastructural studies, intracellular and extracellular stages, new life cycle proposed; direct pathogenicity in host cells indicated

Pathology, Protozoa


Toxoplasma gondii, kittens, morphology of interaction between parasite and host cell

Pathology, Protozoa


Falciparum malaria, haemostatic defect in non-immune patients, no evidence of diffuse intravascular coagulation (DIC), heparin not used and all recovered without residual symptoms; heparin administration should probably be considered only when clear-cut DIC has been demonstrated
Pathology, Protozoa
malaria, membrane pathobiology, review

Pathology, Protozoa
Leishmania braziliensis, human, rapidity of evolution and end consequences of espundia, differences between indigenous Amerinds and persons of African ancestry: Yungas district, Bolivia

Pathology, Protozoa
Trichomonas sp. in man resulting in empyema secondary to presumed aspiration pneumonia, clinical case report, successful metronidazole therapy: University of Kentucky Medical Center Hospital, Lexington, Kentucky

Pathology, Protozoa
Wang, L. T., 1973, Taiwan J. Hseue Hui Tsa Chih (J. Formosan Med. Ass.), v. 72 (12), 630-640
amoebiasis, humans, pleuropulmonary complications: Taiwan

Pathology, Protozoa
Watson, P. G., 1975, Tr. Ophth. Soc. United Kingdom, v. 95 (2), 204-206
Hartmannella infection of eye, woman, pathology, case history

Pathology, Protozoa
Weisinger, J. R.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (2, pt. 1), 357-359
Leishmania donovani, human, case report, kidney involvement demonstrated clinically and histologically, deposits of immune complexes: University Hospital of Caracas, Venezuela

Pathology, Protozoa
Toxoplasma gondii, human acquired, case report, acute granulomatous hepatitis (trophozoites present in liver biopsy) and associated lymphadenopathy, patient had been employed at abattoir: El Salvador, immigrating to United States

Pathology, Protozoa
Wellede, B. T.; et al., 1978, Exper. Parasitol., v. 45 (1), 26-33
Trypanosoma congolense, cattle (exper.), thrombocytopenia, effects of parasite concentration, curative benzamidine therapy, and immune status on thrombocyte levels; coagulation abnormalities

Pathology, Protozoa
Widera, L., 1976, Med. Wet., v. 32 (10), 630-631
Kudoa-infected Merluccius merluccius, mucopolysaccharide changes in the muscles

Pathology, Protozoa
Nosema fumiferanae, feeding additional microsporidian spores to naturally infected Choristoneura fumiferana enhances adverse effects

Pathology, Protozoa
Leucocytozoan dubreuilii, development of secondary schizonts in renal tubule cells of Turdus migratorius and profound parasite-induced changes in these cells, electron microscopy

Pathology, Protozoa
Woo, P. T. K., 1979, Exper. Parasitol., v. 47 (1), 36-48
Trypanoplasma salmositica, successful in vitro culture and subpassage, course of infection in Salmo gairdneri (exper.), clinical signs (anemia, exophthalmia, abdominal distension with ascites, splenomegaly), diagnosis by wet mount examination more sensitive than hemocrit centrifuge technique, evidence of possible antigenic variation

Pathology, Protozoa
Babesia bovis-infected Bos taurus, biogenic amine levels in plasma and whole blood, probable role in cardiovascular disturbances

Pathology, Protozoa
Wright, I. G., 1979, Gen. Pharmacol., v. 10 (4), 319-325
Babesia, Plasmodium, Trypanosoma, kallikrein-kinin system, mechanisms of activation (parasite enzymes, immune complexes), role in hypotensive shock syndrome of infected animals, review

Pathology, Protozoa
Trypanosoma brucei, rabbits, chronic infections, urine volume, urinary kallikrein, effects of inhibitors on properties, excretion of elevated levels of urinary kallikrein considered to be due to glomerular damage and possibly to activation of plasma kallikrein by parasite and by parasite/antibody complexes

Pathology, Protozoa
Babesia bigemina, calves, plasma studies for changes in coagulation system and kallikrein levels; comparisons with B. argentina bovine infections discussed

Pathology, Protozoa
Wright, I. G.; and Goodger, P. V., 1979, Ztschr. Parasitenk., v. 59 (2), 115-119
Babesia bovis, splenectomised calves (exper.), urine analysis, kidney histopathology

Pathology, Protozoa
Giardia lamblia, humans, quantitative assessment of histological changes in proximal jejunal mucosa using the Weibel graticule, comparison with controls, useful for determining severity of infections and for evaluating therapy
Pathology, Protozoa
Wyburn-Mason, R., 1979, Med. Hypotheses, v. 5 (11), 1237-1249
Naegleria, possible cause of rheumatoid disease and many human cancers through chronic antigenic stimulation by the Naegleria, review of new medical concept

Pathology, Protozoa
Yvore, P.; et al., 1978, Ann. Recherches Vet., v. 9 (3), 531-539
Eimeria adenoeides, turkeys (expers), single and multiple infections, pathology, suggested role of bacteria in pathogenic potential

Pathology, Protozoa
Anaplasma marginale, calves, pathogenesis of a virulent vs. non-virulent Columbian strain, possible application for immunization

Pathology, Protozoa
Zika, Z., 1977, Ztschr. Parasitenk., v. 54 (3), 217-228
Pfiarocystis triboli in Tribolium castaneum, fine structure, developmental stages in sporogony, parasite-host relations (mitochondria of host concentrated around schizonts, consumption of host fat body by parasites, host development stopped)

Pathology, Protozoa
Plasmodium berghei, histo- and immunopathology in 6 different mouse strains, symposium presentation

Pathology, Protozoa
Trypanosoma vivax, 3 mouse-infective strains, review: parasitology (history, morphology, surface coat, tsetse transmission, infectivity and virulence for rodents), clinical and pathological observations in ruminants (virulence, anemia, free serum amino acids, bradykinin, serotinin), vascular leakage, thrombus formation, fever, myocarditis, drug susceptibility

Pathology, Trema
dota
Schistosoma haematobium, children, cystoscopic picture correlated to intensity of infection and morbidity: Guiza governorate, Middle East

Pathology, Trema
dota
Schistosoma haematobium, children, cystoscopic picture correlated to intensity of infection and morbidity: Guiza governorate, Middle East

Pathology, Trema
dota
Abouz-Azm, T. E., 1979, Arch. Androl., v. 3 (4), 287-292
Schistosomiasis, human seminal vesicles and ejaculatory ducts, seminal vesiculography and castings, diseased vs. normal organs

Pathology, Trema
dota
Schistosoma mansoni, Sudan strain, Sudanese Desert sheep (expers), clinical findings, pathology, possible role in epidemiology

Pathology, Treatam
dota
Afanasciev, V. I., 1978, Veterinariia, Moskva (8), 71-72
Lernae cyprinacea, Argulus foliaceus, P. [posthodipl stomum] cuticula, pathology in fish

Pathology, Trema
dota
Fasciola hepatica, cattle, resistance to re-infection, increases in plasma glutamate dehydrogenase and gamma-glutamyl transferase activities after first infection but not second, gross pathology of liver, less damage from second infection

Pathology, Trema
dota
Schistosoma mansoni, boy, massive infection, pathology, case report: State of Bahia, Brazil

Pathology, Trema
dota
Andrade, Z. A.; and Melo, I. S., 1974, Rev. Patol. Trop., v. 3 (2), 143-151
Schistosoma mansoni, finding on 19 autopsies of peri-intestinal fibrosis involving segments of the colon or rectum and sometimes extending to retro-peritoneal tissue, presentation as hard intestinal mass, apparent pathologic picture of human advanced schistosomiasis complicated by portal hypertension

Pathology, Trema
dota
Schistosoma mansoni, humans, chronic active hepatitis is a factor provoking hepatic decompensation in hepatosplenic schistosomiasis

Pathology, Trema
dota
Fasciolopsis buski, schoolchildren, serum vitamin B12, serum and red cell folate, serum vitamin B12 and serum folate binding proteins, vitamin B12 absorption

Pathology, Trema
dota
Paragonimus miyazakii in Meles meles anakuma (lungs), gross observations, histopathological findings: Miyazaki Prefecture

Pathology, Trema
dota
Paragonimus miyazakii in Meles meles anakuma (lungs), gross observations, histopathological findings, comparison of wild boar lesions with those found in domestic pigs indicates both are adapted as final hosts: Japan
Pathology, Trematoda
Concinnum ten in Martes melampus melampus, pathology of pancreatic duct: Miyazaki Prefecture

Pathology, Trematoda
Fasciola gigantica, cattle, post-mortem examinations, pathological lesions: Lubumbashi, Shaba, Zaire

Pathology, Trematoda
Schistosomiasis, humans with nephrotic syndrome, renal biopsy showed amyloid deposits, speculation that deposits are associated with circulating immune complexes

Pathology, Trematoda
Schistosomiasis, human decompensated hepatosplenic, association with chronic hepatitis B antigenaemia

Pathology, Trematoda
S[chistosoma] mansoni, human, determination of elastase in blood platelets and the role of elastase in granuloma formation in lungs

Pathology, Trematoda
Berkman, M.; et al., 1974, Semaine Hop. Paris, v. 50 (2), 143-149
Schistosoma haematobium, humans, chronic cor pulmonale resulting from schistosomal infection, case reports, medical management

Pathology, Trematoda
S[chistosoma] mansoni, humans, extragenital cutaneous lesions caused by eggs, case reports

Pathology, Trematoda
Schistosoma mansoni, humans, extragenital cutaneous lesions caused by eggs, 2 case reports

Pathology, Trematoda
S[chistosoma] mansoni, human, female, case report, pulmonary infection with mililiary distribution, diagnostic problems, confirmed by surgical biopsy: Sao Paulo

Pathology, Trematoda
Schistosoma mansoni, hepato- and splenomegaly more pronounced in mice born to infected vs. non-infected mothers and exposed as sucklings to cercariae, apparent effect of congenitally-induced modification of host immunological response (tolerance-like state)

Pathology, Trematoda
Genarchopsis goppo in Chana gachua, histopathology of stomach wall

Pathology, Trematoda
Schistosoma mansoni, T-cell deprived mice vs. normal mice, histopathology, prevention of liver cell damage surrounding egg foci by passive transfer of serum from chronically infected but not from uninfected mice

Pathology, Trematoda
Schistosoma spp., mice, hamsters, tissue eosinophil proliferation and maturation

Pathology, Trematoda
Schistosoma mansoni, human, jejunal, pathological peroral biopsy

Pathology, Trematoda
Schistosoma mansoni, human, jejunal, pathological peroral biopsy
Pathology, Trematoda
Schistosoma mansoni, patients with hepatointestinal, compensated hepatoesplenic, and decompensated hepatoesplenic forms, plasma free cholesterol and cholesterol ester concentrations

Pathology, Trematoda
Cha, Y. N.; and Bueding, E., 1978, Am. J. Trop. Med. and Hyg., v. 27 (6), 1188-1191
Schistosoma mansoni-infected mice, activities of some hepatic drug-metabolizing enzymes can be increased by treatment with inducers

Pathology, Trematoda
Clonorchis sinensis, man, case report, pathology, chlordiquone, possibly infected by eating raw fresh-water carp imported from China: Singapore

Pathology, Trematoda
Fasciola hepatica, sheep, development of hypoalbuminemia during course of primary infection, accompanying changes in albumin metabolism, influence of protein intake

Pathology, Trematoda
Cheever, A. W.; and Hyg., v. 27 (6), 1181-1187
Schistosoma mansoni in T-cell deprived vs. normal controls revealed high incidence of myocardial fibrosis with conduction disorders in the presence of infections

Pathology, Trematoda
Chi, C. W.; and Isseroff, H., 1979, J. Nutrition, Bethesda, v. 109 (7), 1299-1306
Fasciola hepatica, rats, growth studies, nitrogen balance studies, disposition of excessive proline

Pathology, Trematoda
Schistosomiasis mansoni, comparisons of electrocardiograms of infected humans vs. normal controls revealed high incidence of myocardial fibrosis with conduction disorders in the presence of infections

Pathology, Trematoda
Coelho, L. C. R. B.; and Gillett, M. P. T., 1979, Biochem. Soc. Tr., v. 7 (5), 988-990
Schistosoma mansoni, human, hepatoesplenic, effect of splenectomy on plasma phosphatidylcholine-cholesterol acyltransferase activity and on blood lipids

Pathology, Trematoda
Dubey, J. P.; et al., 1979, Vet. Parasitol., v. 5 (4), 325-337
Paragonimus kellicotti, dogs (peritoneal cavity, pleural cavity, lungs) (exper.), migration and development, fecal diagnosis (sedimentation vs. McMaster technique), clinicopathological and hematologic data, radiologic findings, gross and microscopic pathology

Pathology, Trematoda
Dargie, J. D.; and Berry, C. I., 1979, Internat. J. Parasitol., v. 9 (1), 17-25
Fasciola hepatica, sheep, development of hypoalbuminemia during course of primary infection, accompanying changes in albumin metabolism, influence of protein intake

Pathology, Trematoda
Schistosoma mansoni in T-cell deprived vs. normal mice, parasitology (worm burdens, tissue and fecal egg counts), host response (hemotatcopy, serum transaminase levels), ameliorating effect of administering homologous chronic infection serum or heterologous rabbit anti-S. mansoni egg antiserum, roles played by cell-mediated vs. humoral immune responses in reaction against schistosome egg products

Pathology, Trematoda
Schistosoma intercalatum in Syrian hamsters, ultrastructural study of pathologic lesions (mainly mature egg granulomas) in liver; Schistosoma pigment compared with malaria pigment induced by infecting hamster with Plasmodium berghei

Pathology, Trematoda
Paragonimus kellicotti, cats (exper.), clinical signs, clinicopathologic data, radiologic findings, fecal diagnosis, necropsy findings

Pathology, Trematoda
Dargie, J. D.; and Berry, C. I.; and Parkins, J. J., 1979, Research Vet. Sc., v. 26 (5), 289-295
Fasciola hepatica, sheep (exper.) given hay or hay plus pelleted supplement, feed intake and digestibility, body weight and nitrogen balance

Pathology, Trematoda
Schistosoma mansoni, mice, study of Symmers' fibrosis

Pathology, Trematoda
Dubey, J. P.; et al., 1977, J. Parasitol., v. 63 (3), 555-75
Schistosoma mansoni, S. haematobium, humans, quantitative study of 400 consecutive autopsies, extrahepatic pathologic findings correlated with presence or absence of schistosomiasis infection and with intensity of infection: Egypt

Pathology, Trematoda
Fasciola gigantica, F. hepatica, cattle (gall bladders), gross and histopathologic findings: Iraq; southern Iran
Pathology, Trematoda
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Pathology, Trematoda
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Schistosoma mansoni, human, collagen synthesis rates in fibrotic liver specimens, liver free-proline content and utilization of proline precursors

Pathology, Trematoda
Schistosoma mansoni, mice, 47-fold increase in activity of liver procollagen prolyl hydroxylase, effect of inhibitor, possibility that this enzyme may be rate-controlling in collagen deposition and that its inhibition may be therapeutically useful in liver fibrosis

Pathology, Trematoda
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Pathology, Trematoda
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Schistosoma mansoni, elderly Puerto Rican man, intratesticular ovum depositis with periortchitis, case report

Pathology, Trematoda
Schistosoma mansoni, humans, pathology, presence of bacteria, possible role in pathogenesis of parasitic infection

Pathology, Trematoda
Schistosoma haematobium, man, polypoid granulomatous and sclerosing endophlebitis of spermatic cord, pathology, clinical aspects, clinicopathologic classifications of schistosomal funiculitis, case report

Pathology, Trematoda
hepatosplenic schistosomiasis, human, thyroid function tests, liver function tests, serum protein levels

Pathology, Trematoda
human schistosomiasis, nephrotic pathology, clinical review

Pathology, Trematoda
Fahmy, B.; and Nelson, P. D., 1978, Parasitology, v. 77 (3), 49-55
Zygoctyle lunata in domestic chicks, gross and histopathological effects on caecal tissues, feeding by worms on host caecal debris, stunting due to worm crowding

Pathology, Trematoda
Fasciola hepatica-infected calves, pathological findings, erythrocyte counts, packed cell volume, hemoglobin, transferin, iron, eosinophils, neutrophils, lymphocytes, total leukocytes, implications for etiology of anemia

Pathology, Trematoda
Fasciola hepatica-infected calves, parasitological findings, erythrocyte counts, packed cell volume, hemoglobin, transferin, iron, eosinophils, neutrophils, lymphocytes, total leukocytes, implications for etiology of anemia

Pathology, Trematoda
Fasciola hepatica-infected calves, parasitological findings, erythrocyte counts, packed cell volume, hemoglobin, transferin, iron, eosinophils, neutrophils, lymphocytes, total leukocytes, implications for etiology of anemia

Pathology, Trematoda
Fasciola hepatica, humans, associated cholecystitis, case reports: Peru

Pathology, Trematoda
human schistosomiasis, esophageal motility disorders in patients with esophageal varices resulting from schistosomal portal hypertension

Pathology, Trematoda
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Pathology, Trematoda
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Pathology, Trematoda
Schistosoma mansoni, mice, humans, alterations of plasma and erythrocyte lipids associated with hepatosplenic schistosomiasis, differences between the two host species, possible applications
Pathology, Trematoda

Pathology, Trematoda

Pathology, Trematoda
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Pathology, Trematoda

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Pathology, Trematoda
Habib, Y. A.; et al., 1979, J. Trop. Med. and Hyg., v. 82 (7), 142-144 Schistosomiasis, males without ascites, estimation of hepatic intracellular electrolytes content, concluded that increase in intracellular sodium content is an early finding before ascites develops

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Pathology, Trematoda

Pathology, Trematoda
Hillett, R. A.; et al., 1979, J. Infect. Dis., v. 139 (6), 659-666 Schistosoma mansoni, human, pathogenesis of acute disease, relationships among intensity of infection, clinical signs and symptoms, and humoral and cellular aspects of immunity: Puerto Rico

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Pathology, Trematoda

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Houha, V., 1979, Kidney Internat., v. 16 (1), 30-43 schistosomiasis, experimental renal disease, extensive review

Pathology, Trematoda
Huggins, D., 1974, Rev. Soc. Brasil. Med. Trop., v. 8 (6), 307-313 Schistosoma mansoni, man, stenosis of small bowel presenting as carcinoma, microscopic findings showed schistosomal infection, clinical case report: Catende, Pernambuco, Brazil

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Jha, S. N.; et al., 1977, Kerala J. Vet. Sc., v. 8 (1), 119-125
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Pathology, Trematoda
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Pathology, Trematoda
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Schistosoma mansoni-infected mice, changes in hepatocytes adjacent to hepatic granulomas, light and electron microscopy

Pathology, Trematoda
Schistosoma mansoni, S. haematobium, human, hepatic lesions with emphasis on Symmers' fibrosis, 400 autopsies: Egypt

Pathology, Trematoda
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Pathology, Trematoda
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Pathology, Trematoda
Kaur Bedi, A. J.; and Isseroff, H., 1979, Internat. J. Parasitool., v. 9 (5), 401-404
Schistosoma mansoni-infected mice, bile duct hyperplasia, results support data linking proline to bile duct and liver fibroblast proliferation

Pathology, Trematoda
Diplozoon nipponicum in crucian carp (gills), hypochromic microcytic anemia, hematological characteristics, incidence in relation to season and host size, effective treatment with trichlorfon (DEP): basin of the river Asakawa

Pathology, Trematoda
Dicrocoelium dendriticum, F[asciola] hepatica, cattle, glutamate-dehydrogenase and L-glutamyl-transferase activities in sera, compared with cattle not showing macroscopic visceral lesions

Pathology, Trematoda
Khaftay, E. Z.; et al., 1976, Egypt. J. Bilharz., v. 3 (2), 183-197
human schistosomiasis, evaluation of leucine aminopeptidase activity and creatinine concentrations in persons with active bilharzial infections and comparison of findings with those in normal controls

Pathology, Trematoda
Khaftay, E. Z.; et al., 1976, Egypt. J. Bilharz., v. 3 (2), 199-212
human schistosomiasis, significance of alterations in urinary leucine aminopeptidase in various stages of infection in the presence and absence of hepatic involvement and in bladder cancer of schistosomal origin, correlation of findings with the presence of proteins in urine, possible application to diagnosis

Pathology, Trematoda
Fasciola sp., goats (exper.), pathological changes in liver, tissue reaction to immature and adult flukes

Pathology, Trematoda
Schistosoma mansoni, mice, venous circulation in bowel wall, tissue reactions to deposition of ova and granuloma formation

Pathology, Trematoda
Knut, R. A., 1978, J. Parasitol., v. 64 (4), 601-605
Fasciola hepatica of ovine and bovine origin, effects of experimental infection in homologous and heterologous hosts, "Since there appear to be no strain differences in infectivity and pathogenicity of flukes from sheep and cattle, sheep and cattle isolates would more correctly describe flukes cultured from one or the other host."

Pathology, Trematoda
Opisthorchis viverrini, humans, clinicopathologic findings, 154 autopsy cases, unusually high incidence of cholangiocarcinoma: Thailand

Pathology, Trematoda
Schistosoma haematobium-infected squirrel monkey as laboratory host, pathology, tissue egg deposits, general disease conditions
Pathology, Trematoda

Kuntz, R. E.; Moore, J. A.; and Huang, T. C., 1979, J. Med. Primatol., v. 8 (3), 167-178
Schistosoma haematobium, nonhuman primates (exper.), distribution of tissue egg deposits and macroscopic lesions

Pathology, Trematoda

Schistosoma mattheei in the ox, pathology, lesions attributable to eggs

Pathology, Trematoda

Schistosoma mattheei in the ox, pathology, lesions attributable to adult parasites

Pathology, Trematoda

Le Bers, H.; and Banting, A. de L., 1979, Med. & Chirr. Digest., v. 8 (5), 435-441
Fasciola hepatica, exper. infection in rabbits, sheep, and cattle, variations in blood parameters that reflect alterations in liver function compared with normal values in order to establish standards for studying toxicity of flukicides

Pathology, Trematoda

Lehman, J. S., jr.; et al., 1971, Radiology, v. 98 (2), 379-380
human mixed Schistosoma haematobium and S. mansoni infection, colonic calcification and polyposis diagnosed by radiologic examination, case report: Egypt

Pathology, Trematoda

Schistosoma mansoni, humans, hepatic infection, associated hypertension of inferior vena cava and portal vein, 39 cases reviewed

Pathology, Trematoda

Diplostomum adamsi, frequency distribution in Perca flavescens, estimate of host mortality: Bay of Quinte, Lake Ontario

Pathology, Trematoda

Lester, R. J. G.; and Huizinga, H. W., 1977, Canad. J. Zool., v. 55 (1), 64-73
Diplostomum adamsi, life cycle, pathogenesis, some comparisons with D. spathaceum and D. scudderi

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Schistosoma japonicum, human, prevalence and intensity, morbidity (hepato- and/or splenomegaly, height and weight, symptomatology), host age and sex: Barrio San Antonio, Basye, Samar, The Philippines

Pathology, Trematoda

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Schistosomatum douthitti in Lymnaea castancium (exper.), pathological changes and cellular responses induced by penetrating miracidia and developing parasites

Pathology, Trematoda

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isoparorchis hypselobagri-infected Channa punctatus, morphological, behavioural, biochemical, and haematological changes, possible human health hazard: reservoir (Khookas bundh) about 20 km north of Jaipur

Pathology, Trematoda

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schistosomiasis, human, muscular changes

Pathology, Trematoda

Markiewicz, K.; Kuleta, Z.; and Romanik, K., 1975, Acta Parasitol. Polon., v. 23 (1-11), 177-182
Fasciola hepatica, cows, laboratory rats, serum ornithine carbamoyltransferase activity as indicator of extent of liver injury, anatomopathological and histopathological examinations

Pathology, Trematoda

schistosomiasis mansoni, pathologic and epidemiologic survey indicated that in endemic areas many infected persons are asymptomatic or have very few debilitating pathologic changes: Tiuma, Sao Lourenco da Mata, State of Pernambuco, Brazil

Pathology, Trematoda

May, V.; et al., 1973, Rev. Rhumatisme et Mal. Osteo-Art., v. 40 (10), 602-605
Schistosoma haematobium, human, clinical manifestations of rheumatoid arthritis, 2 clinical case reviews: France (natives of Mali)

Pathology, Trematoda

Migaki, G.; et al., 1979, J. Am. Vet. Med. Ass., v. 175 (9), 926-928
Cyclochis camplua in Platanista gangetica (large bile ducts), pathologic changes: Steinihart Aquarium, Golden Gate Park, San Francisco, California, captured in Indus River, West Pakistan

Pathology, Trematoda

Cercaria spp. in Indoplanorbis exustus and Lymnaea luteola f. typica snails, abnormal host growth, pathology of digestive gland and gonads, intra-sporocyst and intra-redial encystment of cercariae in starved snails or in moribund snails reared in polluted water containing their metabolic waste and excreta

Pathology, Trematoda

Cercaria sp. V Kerala, Cercaria sp. XII Kerala, histopathology of digestive gland of infected Digoniostoma pulchella

Pathology, Trematoda

Echinostoma murrayanum, development in rats, heavy population density effects (lengthened prepatent period, undersized worms, decreased proteins, lipids, calcium, and ash but not glycogen); pathological changes in rat intestine; in vitro metacercarial excystment
Pathology, Trematoda
Molyneux, M. E.; et al., 1979, J. Trop. Med. and Hyg., v. 82 (9-10), 183-187
malarial and schistosomal antibodies and serum immunoglobulin concentrations in patients with massive splenomegaly measured, discussion of problems in diagnosis of gross splenomegaly in areas where schistosomiasis and malaria coexist: Malawi

Pathology, Trematoda
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Pathology, Trematoda
Schistosoma japonicum-type infection in Orange Asil male who presented with nephrotic syndrome, unclear whether nephrotic syndrome was due to schistosomal infection or to concomitant chronic hepatitis from viral B infection: Malaysia

Pathology, Trematoda
Fasciola hepatica, human case-report of hepatic distomiasis with eggs found also in the bile and biliary tract, emetine chloride therapy resulted in permanent cure; diagnostic considerations, emphasis on frequent association between parasitism and gallstones: Villa de Reyes, San Luis Potosi, Mexico

Pathology, Trematoda
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Pathology, Trematoda
Norfray, J. F.; et al., 1978, Surg. Neurul., v. 9 (1), 68-71
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Pathology, Trematoda
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Schistosoma mansoni-infected mice, measurement of concentrations of cholesterol and cholesterol esters from infected host livers and comparison with normal controls

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Pathology, Trematoda
Oshima, S.; et al., 1978, Japan. J. Exper. Med., v. 48 (6), 503-509
Schistosoma japonicum in Rattus mindanensis, localization in lungs, liver, and intestinal wall, massive pulmonary infestation with high incidence of emboli, histopathology: Leyte, Philippines

Pathology, Trematoda
Oyediran, A. B. O. O., 1979, Kidney Internat., v. 16 (1), 15-22
Schistosoma haematobium, renal impairment and damage, emphasis on radiological, biochemical, and renographic studies of renal function in affected persons

Pathology, Trematoda
Schistosoma mansoni, human chronic cholecystitis from parasite infection, pathology, case-report: Bahia, Brazil

Pathology, Trematoda
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Pathology, Trematoda
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Pathology, Trematoda
Philocreon, G. R., 1975, Rev. Goiana Med., v. 21 (1-2), 61-63
Schistosoma mansoni, woman, ovarian localization, presenting as sterility, case-report: Anapolis, Brazil

Pathology, Trematoda
Fasciola hepatica-infected rabbits, enzyme-histochemical studies of pathological process in liver

Pathology, Trematoda
Schistosoma mansoni-infected mice, effects on growth, development and gonadal function

Pathology, Trematoda
Schistosoma haematobium-infected humans, study indicates that urinary infection does not lead to hypertension: Malumfashi area, northern Nigeria
Pathology, Trematoda
Schistosoma haematobium, boys and adult males in Malumfashi schistosomal study area, changes in radiological appearance of urological lesions during a 4-year period, relationship to changing intensity of infections: Nigeria

Pathology, Trematoda
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[Schistosoma] mansoni, human case reports, parasites in central nervous system discovered at autopsies, few or no neurological symptoms presented by patients prior to deaths: Brazil

Pathology, Trematoda
Opisthorchis canis [i.e., caninus], dog (exper.), pathological changes in liver

Pathology, Trematoda
Late cutaneous bilharziasis, human, definition, macroscopic and microscopic aspects, diagnosis, pathology, frequent localization in genital and perigenital areas: Mozambique

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Fasciola hepatica, lambs (exper.), diaminetide, clinical and anthelmintic effects, value of serum gamma-glutamyl transpeptidase in detecting hepatobiliary damage

Pathology, Trematoda
[Schistosoma] mansoni, mice, studies on the liability of lysosomal membrane in infected livers and comparison with normal controls

Pathology, Trematoda
Schistosoma mansoni, chimpanzee, spontaneous infection, histopathology of liver, hepatitis

Pathology, Trematoda
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Fasciola hepatica, sheep, cattle (both exper.), bodyweight, blood and plasma analyses, emphasis on use of plasma enzyme levels to detect and monitor liver damage and to assess efficacy of diaminethidate against immature flukes

Pathology, Trematoda
Schistosoma haematobium, infection prevalence in 2 populations living in separate endemic areas compared, host age, symptoms, urological lesions, importance as public health problem: Tanzania

Pathology, Trematoda
Fasciola hepatica, sheep (nat. and exper.) (liver), intrahepatic vascular lesions, stages of portal vein stenosis identified by using acrylic resin casts prepared from diseased vasculature

Pathology, Trematoda
Saad, A. A.; et al., 1977, Acta Vitaminol. et Enzymol., v. 31 (6), 179-182
Schistosoma mansoni-infected mice, 8-glucuronidase activity in liver and spleen homogenates, possible causes for changes in enzyme activity

Pathology, Trematoda
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Schistosoma mansoni-infected and uninfected mice, 8-glucuronidase activity in whole urinary bladder tissue homogenates before and after treatment with hycanthone methanesulphonate

Pathology, Trematoda
Schistosoma mansoni, S. haematobium, humans, no evidence of association with renal amyloidosis

Pathology, Trematoda
Schistosoma nasale, histochemical alterations of livers, lungs, and hearts of mice, guinea-pigs, and rabbits and of livers of kids and lambs (all exper.)

Pathology, Trematoda
Schistosoma mansoni, human, case report of patient with hepatosplenic and pulmonary forms, discussion of pathology with emphasis on immunological factor and vascular adaptive capacity

Pathology, Trematoda
Hepatic schistosomiasis, survey of hospitalized patients for correlation between hepatic pathology and hypertension showed significantly higher blood pressures in patients without hepatic disease

Pathology, Trematoda
Schistosoma mansoni, morbidity in 593 Sudanese patients over 4-year period, laboratory findings compared in 3 egg-count groups and 4 clinical forms of infection; patients with S. haematobium and mixed infections included for comparisons: Khartoum Civil Hospital
Pathology, Trematoda
human schistosomiasis mansoni, extensive study of pulmonary form of infection and its resulting pathologic changes

Pathology, Trematoda
Schistosoma rodhaini, Kenya strain, golden hamsters (exper.), histopathology of liver, intestine, spleen, pancreas, and lungs

Pathology, Trematoda
acute fascioliasis, dairy cows, pathology, rice straw as main source of infection: Nara Prefecture

Pathology, Trematoda
schistosomiasis, female, case report, infection of spinal cord and skin, speculations on mode of infection spread: South Africa

Pathology, Trematoda
rats, induction of bile duct hyperplasia by infusion of proline (but by none of the other amino acids tested), proline-induced hyperplasia resembles that observed in bile ducts of Fasciola hepatica-infected rats

Pathology, Trematoda
Nephrotrema truncatum in Rana temporaria (exper.), histopathological changes in tail region

Pathology, Trematoda
Eurytrema pancreaticum, cattle and goats, pathological changes of pancreas: Taipei abattoir

Pathology, Trematoda
Diplostomum paraparvum, D. parvum, lowering rate of growth of [Ctenopharyngodon idella], possible factor in fish culture

Pathology, Trematoda
Singh, B. P.; and Ahluwalia, S. S., 1976, Haryana Agric. Univ. J. Research, v. 6 (3-4), 244-245
Orientobilharzia dattai white mice and goats (both exper.), histopathological changes in the liver

Pathology, Trematoda
Singh, K. P.; and Rajya, B. S., 1978, Indian J. Animal Sc., v. 48 (10), 764-768
Schistosoma incognitum, pigs, gross and histopathology in lungs and associated lymph nodes

Pathology, Trematoda
Halipegus mehransi (stomach), Mehraorchis ranarum (liver) in Rana cyanophlyctis, histopathological changes

Pathology, Trematoda
Schistosoma mansoni, human, morbidity in relation to prevalence and intensity, host age and sex, importance of environmental factors such as ecology of transmission and presence of malaria: Nduri, Kisuwa, Kenya

Pathology, Trematoda
Schistosoma mansoni, S. japonicum, absence of tyrosine aminotransferase (TAT) in adult flukes, effect of 10 week infections on TAT activity in livers of female mice

Pathology, Trematoda
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Ornithodiplostomum psychodiellus infection not found to affect stamina of Richardsonius balteatus, evolutionary implications; multivariate contingency table analysis of data

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Pathology, Trematoda
Stadniczenko, A. P., 1972, Parazitologija, Leningrad, v. 6 (2), 154-160
10 trematode spp. in Viviparius viviparoust, pathogenic effect studied by histological and histochemical methods, host sex differences with respect to parasite occurrence, intensity, and localization: Ukraine [and/or] lower Volga

Pathology, Trematoda
Bucephalus polymorphus parthenites in Unio pictorum and Anodonta piscinalis, incidence and intensity, host age and sex, histopathological and histochemical effects: Ukraine

Pathology, Trematoda
Stanislawski, E.; and Becker, W., 1979, Comp. Biochem. and Physiol., v. 63A (4), 527-533
Biomphalaria glabrata, influences of semi-synthetic diets, starvation, and Schistosoma mansoni infection on metabolism (using criteria of egg-laying activity and hemolymph components)

Pathology, Trematoda
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Biomphalaria glabrata, alterations of free amino acid content in hemolymph in starvation and after infection with Schistosoma mansoni
Pathology, Trematoda
Schistosoma mansoni with associated chronic salmonellosis, case reports of 2 patients with nephrotic syndrome who responded poorly to therapy, renal biopsies demonstrated amyloidosis: Egypt

Pathology, Trematoda
Schistosomiasis, human biliary liver fibrosis, abnormal pattern of growth hormone release and low fasting blood glucose levels interpreted in terms of circulatory changes associated with infection

Pathology, Trematoda
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Schistosoma haematobium, human genital organs, diagnosis and assessment of infections and calcifications using radiology

Pathology, Trematoda
Stellantchasmus falcatus, human (terminal ileum), 3 case reports: Thailand

Pathology, Trematoda
Tewari, H. C.; and Ramachandran, P. K., 1979, J. Helminth., v. 53 (2), 117-120
Schistosoma incognitum, histopathology following exposure to normal vs. irradiated cercariae

Pathology, Trematoda
Tewari, H. C.; and Singh, (Kr.) S., 1979, Indian J. Animal Sc., v. 49 (5), 380-383
Schistosoma incognitum, mice, egg production mainly responsible for severity of disease and for anemia

Pathology, Trematoda
Tiboldi, T., 1979, Am. J. Trop. Med. and Hyg., v. 28 (4), 670-676
Schistosoma mansoni-infected mice, histopathological changes in ovaries in acute and chronic infections, pituitary hypofunction may contribute to pathological transformation of ovarian tissue

Pathology, Trematoda
Tiboldi, T., 1979, Am. J. Trop. Med. and Hyg., v. 28 (6), 1026-1030
Schistosoma mansoni-infected mice, histopathological changes in ovaries can be reversed by adequate antischistosomal therapy

Pathology, Trematoda
Schistosoma mansoni, mice, observations on ovarian function during acute infections showed that estrus was present in some infected animals in spite of histopathological changes and decreased levels of propesterone in blood

Pathology, Trematoda
Schistosoma mansoni, mice, morphology and function of adrenals in acute infection

Pathology, Trematoda
S[chiostosoma] haematobium, humans, upper urinary tract changes after schistosomal infection are more often due to disturbances of ureteral peristalsis than ureteral structure

Pathology, Trematoda
Fasciola gigantica, Fulani Zebu cattle, hepatic changes in natural chronic infestations, gross lesions, histopathology: Nsukka abattoir, Nigeria

Pathology, Trematoda
Schistosoma mansoni-infected Mus musculus, body weight, food intake, small intestinal weight, impaired transport of glucose, 3-O-methylglucose, sorbitol, and fluid, surface appearance of intestinal mucosa

Pathology, Trematoda
Nephrotic syndrome with special reference to schistosomal nephropathy, preliminary morphological study

Pathology, Trematoda
Schistosomiasis, pathology, pathobiology, and pathogenesis, review

Pathology, Trematoda
Schistosoma haematobium, school children, relationship between egg output and morbidity: Coast Province of Kenya

Pathology, Trematoda
Schistosomiasis and/or hookworm, humans, study of blood and nutrition losses shows that diet on iron, protein, zinc and vitamin A stores plus other pathology is more significant as cause of malnutrition than abnormality of absorption functions: Egypt

Pathology, Trematoda
Wensvoort, P.; Over, H. J.; and van Strien, M. J., 1979, Vet. Quart., v. 1 (2), 75-81
Fasciola hepatica, cattle (exper.), character, extent, and localization of perilobular fibrosis in liver

Pathology, Trematoda
Wheater, P. R.; and Wilson, R. A., 1979, Parasitology, v. 79 (1), 49-62
Schistosoma mansoni, route and timing of migration in mice, quantitative histological techniques; histopathology of host response during migration
Pathology, Trematoda
Schistosoma mansoni, humans with portal hypertension resulting from hepaticosplenic involvement, comparison of diagnostic X-ray films done arterially with those done during splenorenal anastomosis

Pathology, Trematoda
Schistosoma haematobium, human, intensity and prevalence of proteinuria and hematuria determined using urinalysis reagent strips, close relationship to intensity of infection suggests these parameters may have value as indications for chemotherapy, good prognosis in subjects with heavy proteinuria suggests that this urine protein is likely to originate from lesions in lower renal tract rather than kidney: The Gambia; Egypt

Pathology, Trematoda
Witham, R. R.; and Mosser, R. S., 1979, Gastroenterology, v. 77 (6), 1316-1318
schistosomiasis mansoni in Arabian man as cause of duodenitis, successful treatment with niridazole, case report: United States (emigrated from Yemen)

Pathology, Trematoda
Wu, W. Q.; and Fripleen, T., 1976, Surg. Neurol., v. 5 (6), 333-335
cerebral schistosomiasis mansoni, 30-year-old Saudi Arabian student, parasite-associated major epileptic seizure resulted in subluxation of cervical spine, surgical therapy: Missouri (had frequently visited Egypt)

Pathology, Trematoda
Euhaplorchis californiensis rediae, effect on digestive gland cells of Cerithidea californica, light and electron microscopy

Pathology, Trematoda
Young, S. W.; et al., 1974, Radiology, v. 111 (1), 81-84
Schistosoma haematobium, human urinary tract lesions as detailed by urography, study of 153 patients

Pathology, Trematoda
Young, S. W.; et al., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (3), 249-253
Schistosoma haematobium, patients with obstructive uropathy secondary to parasitic infections, effects on hydrogen ion excretion and urine osmolality studied

Pathology, Trematoda
Paramphistomum sp., lambs (exper.), pathogenic effect on blood values, amino-transferases, alkaline phosphatase, minerals in blood serum

Pathology, Trematoda
paramphistomiasis, calves, increased activity of malate and succinate dehydrogenase in blood; changes apparently more from excretory, secretory and metabolic products than from mechanical influence of parasite

Pathophysiology. See Pathology; Physiology, Host.

Penetration. [See also Invasion mechanisms]
Penetration
Akinshina, G. T.; and Desmon, Zh., 1977, Veterinariia, Moskva (12), 80-85
Toxoplasma gondii, mechanical-secretary penetrative ability into mouse peritoneal macrophages is correlated with strain virulence, scanning electron microscopy

Penetration
Gaigeria pachyceles, lambs, guinea-pigs, and mice (all exper.), mode of penetration through skin and lungs, histopathology

Penetration
Fascioloides magna miracidia, scanning electron microscopy of penetration of snail Fossaria bulimoides, attraction, attachment, morphology of apical papilla and epidermal plates, shedding of cilia and epidermal plates

Penetration
Fasciola hepatica miracidia, scanning electron microscopy of penetration into Fossaria bulimoides, topographic miracidial morphology, course and rate of penetration

Penetration
Nippostrongylus brasiliensis, factors which determine emergence from pulmonary circulation into alveoli and bronchi of rat's lung, includes some brief observations on Ancylostoma tubaeforme

Penetration
Schneideria schneiderae, effects of several metabolic inhibitors on penetration of sporozoites into host cells and intracellular development of trophozoites

Penetration
Schneideria schneiderae in Trichosia pubescens (exper.), entry into and development in cells of intestinal caecum, host cell-symbiont interrelations, metabolic exchanges, symbiotic bacteria in cytoplasm of Schneideria, ultrastructural study
Penetration
Schistosoma mansoni cercariae, large concentrations of calcium in preacetabular glands localized in electron-lucent areas of type-A granules

Penetration
Trypanosoma brucei rhodesiense, evidence of active penetration and passage of trypanosomes across midgut cells of Glossina morsitans morsitans rather than passive uptake

Penetration
Ghandour, A. M.; and Ibrahim, A. M., 1978, J. Helminth., v. 52 (4), 339-342
Schistosoma mansoni, proportion of cercariae from "glucose-fed" Biomphalaria pfeifferi dying in mouse skin was much lower than that from normal control snails, suggests that death of cercariae during penetration of host skin is probably due to exhaustion of their energy reserves

Penetration
Schistosoma mansoni, laboratory studies using Enterolobium hexane extract as a stimulant for the first stages of cercarial penetration, cercariae burrowed into thin layer of extract without separation of head from tail during penetration

Penetration
Gorenflo, A.; et al., 1978, Ann. Pharm. Franc., v. 36 (5-6), 201-206
Plasmodium berghei, scanning electron microscopy, ionic etching of mouse erythrocytes using a cathodic evaporator permits visualization of parasitic penetration of erythrocyte membrane by invagination

Penetration
Haplorrema cylindracea, cercariae, penetration, routes of migration, and development in Rana temporaria and R. arvalis (both exper.)

Penetration
Haas, W.; and Schmitt, R., 1978, Naturwissenschaften., v. 65 (2), 110
Schistosoma mansoni cercariae, chemical stimuli for penetration of human skin

Penetration
Mesocestoides corti tetrathyridium, microtriches and sensory processes on surface, transmission and scanning electron microscopy, microtriches may have roles in tissue penetration and food uptake

Penetration
Isospora canis, fine structure of penetration of cultured cells by sporozoites

Penetration
Kipnis, T. L.; Calich, V. L. G.; and Dias da Silva, W., 1979, Parasitology, v. 78 (1), 89-98
Trypanosoma cruzi, trypanomastigote bloodstream forms of Y and CL stock, uptake by mouse peritoneal macrophages and intracellular differentiation and multiplication in vitro under a variety of conditions, results confirm that epimastigote culture forms are phagocytosed and suggest that bloodstream forms penetrate actively into macrophages

Penetration
Kongtong, P.; and Inoki, S., 1975, Kiseicho-gaku Zasshi (Japan. J. Parasitol.), v. 24 (5), 284-293
Trypanosoma cruzi, trypanomastigotes, epimastigotes, method of entry into fibroblast cells and intracellular development, scanning electron microscopy

Penetration
Loker, E. S., 1978, Exper. Parasitol., v. 45 (1), 63-73
Schistosomatium douthitti, effect of age and of size of Lymnaea catascopium on miracidium-snail interactions and on susceptibility to infection, ingestion of miracidia and their subsequent penetration through esophageal wall, miracidial penetration of external snail surfaces was rare

Penetration
Meuleman, E. A.; et al., 1978, Ztschr. Parasitenk., v. 56 (3), 227-242
Schistosoma mansoni, miracidium body wall, changes during penetration into snail and transformation into mother sporocysts, ultrastructure

Penetration
extracts of Hymenolepis diminuta oncospheres and Nippostrongylus muris invasive larvae, negative results of biochemical tests for collagenase and hyaluronidase activities; mechanism of penetration not based on enzymatic depolymerization of collagen or hyaluronate

Penetration
Hymenolepis diminuta in Tenebrio molitor, histopathologic changes in host intestine caused by penetrating oncospheres suggest that secretion of penetration glands possesses enzymatic properties

Penetration
Nguyen, B. T.; and Stadtsbaeder, S., 1979, Ztschr. Parasitenk., v. 60 (2), 135-146
Toxoplasma gondii, trophozoites, modes of entry into normal mouse peritoneal macrophage and HeLa cell monolayers, phase-contrast microcinematography

Penetration
Ixodes ricinus, penetration and host tissue reactions during feeding of viruliferous ticks on Mesocricetus auratus (exper.)
Penetration
O'Daly, J. A.; and Aso, P. M., 1979, Exper.
Parasitol., v. 47 (2), 222-231
Trypanosoma cruzi, T. leishmania spp., factor in cell-free extracts that induces lysis of mammalian red cells and Vero cells, postulated that this lytic factor is involved in penetration and damage produced by T. cruzi in vertebrate cells

Penetration
Örnberg Christensen, N.; Frandsen, F.; and Nansen, P., 1979, Ztschr. Parasitenk., v. 59 (3), 267-275
Schistosoma mansoni cercariae, mice, host-penetration capacity under selected environmental exposure conditions and in relation to some parasite- and final-host-related factors

Penetration
Palmieri, J. R.; and James, H. A., 1976, Great Basin Nat., v. 36 (1), 97-100
Apatemon gracilis in Helobdella stagnalis, Placobdella parasitica, and Erpobdella punctata, effects of leech behavior on cercarial penetration and localization

Penetration
Nosema lymantri in Lymantria dispar, ultrastructural data on intracellular development, possible method of penetration into host cell nucleus, potential of parasite in control of forest pests

Penetration
Schupp, E.; et al., 1978, Ztschr. Parasitenk., v. 55 (3), 189-193
Toxoplasma gondii, in vitro invasion of mouse erythrocytes, electron microscopy, sequence of events led to assumption of parasite actively penetrating non-phagocytic host cell

Penetration
de Souza, W.; and Souto-Padron, T., 1978, Ztschr. Parasitenk., v. 56 (2), 125-129
Toxoplasma gondii, basic proteins, ultrastructural location on conoid, rhoptries and micronemes, possible role in penetration

Penetration
Tanabe, K.; et al., 1978, Exper. Parasitol., v. 46 (1), 72-82
Toxoplasma gondii tachyzoites can penetrate differentiating Friend erythroleukaemia cells containing hemoglobin or erythrocyte membrane-specific proteins such as spectrin, these results suggest that such proteins may not be essential components in preventing this parasite's penetration into mammalian erythrocytes

Penetration
Tanabe, K.; et al., 1979, J. Gen. Microbiol., v. 113 (2), 433-437
Toxoplasma gondii, penetration of maturing red blood cells in vitro

Penetration
Ancylostoma braziliense, dogs, penetration and path of migration in skin

Penetration
Ancylostoma braziliense, dogs, penetration and path of migration in skin

Penetration
Yamaguchi, T.; et al., 1970, Taiwan i Hsueh Hui Tsa Chih (J. Formosan Med. Ass.), v. 69 (7), 371-377
Anisakids larvae, monkeys (exp.); penetration studies; prevalence survey in marine fishes purchased in local markets: fish markets in Kaohsiung City, Taiwan

Penetration
Angiostrongylus cantonensis larvae, higher numbers infected host Biomphalaria glabrata by oral route (ingestion) than by skin penetration; higher percentages found in mantle collar and muscular part of host body

Peptides. See Proteins.

Pericardium. See Heart.

Periodicity
Trichostrongylus suis larvae, marked diel pattern of emergence from Lymnaea stagnalis during periods of illumination, host movement stimulates cercarial emergence

Periodicity
Belozerov, V. N., 1971, Parazitologiia, Lenin-grad, v. 5 (6), 481-487
Ixodes ricinus, unfed nymphs, effect of changes in photoperiodic regime on development after engorgement

Periodicity
Belozerov, V. N., 1973, Parazitologiia, Lenigrad, v. 7 (1), 14-18
Dermacentor silvarum, capability of adult females to engage depends on temperature and photoperiod at prefeeding stage, thus certain conditions may give rise to a form of diapause as a seasonal adaptation

Periodicity
Belozerov, V. N.; and Chalal Murad, M., 1977, Entom. Obozr., v. 56 (3), 495-504
Trypanosoma brucei gambiense, photoperiodic regulation of malarial diapause, long-day type reaction, related to engorgement, seasonal-cyclic adaptation: Tadzhikistan and Turkmenia, USSR

Periodicity
Belozerov, V. N.; and Luzev, V. V., 1974, Parazitologiia, Leningrad, v. 8 (6), 515-523
Haemaphysalis longicornis, effect of photoperiod and temperature on behavior and development of larvae and nymphs
Periodicity
Bhat, H. R., 1978, Indian J. Animal Sci., v. 48 (11), 821-825
Amblyomma integrum, life-history under laboratory conditions, periodicity in engorgement and dropping, correlation between total egg output and weight of engorged females

Periodicity
Bhat, H. R., 1979, Indian J. Animal Sci., v. 49 (7), 517-522
Haemaphysalis spinigera, life-history under laboratory conditions, periodicity in engorgement and dropping off, total egg output directly proportional to weight of engorged female

Periodicity
Brinkmann, U. K., 1978, Tropenmed. u. Parasitol., v. 29 (1), 49-50
Wuchereria bancrofti, method for standardizing observed microfilarial densities to eliminate effect of periodicity in epidemiological comparisons

Periodicity
Moniliformis dubius, larval morphogenesis in Periplaneta americana, effect of temperature, season, photoperiod, and elevated temperature stress, morphological anomalies

Periodicity
Syringophiloidus minor, laboratory evidence of nocturnal dispersal rhythm

Periodicity
Eimeria tenella-infected chicks (exper.), periodicity of caecal defaecation

Periodicity
Combes, C.; and Theron, A., 1977, Publicaciones Exp. Station (Tohoku Nogvo Shikenjo Hokoku) (58), 261-270
Dipetalonema reconditum in dogs, morphology of daughter sporocyst burden, photoperiodicity of cercarial emergence: Monocacy River drainage, Pennsylvania

Periodicity
Trypanosoma minasense, naturally infected marmosets, parasitemia has circadian rhythm with highest level at 16:00 hrs, natural vector may be hematophagous insect with preference for afternoon feeding: Brazil

Periodicity
Schistosoma mansoni-infected snails, 'eclosion clock' apparatus for study of cercarial emergence

Periodicity
Ornithodoros gurneyi, laboratory rearing technique, feeding and detaching, molting and development, mating and oviposition, reproductive diapause, effects of temperature, photoperiod, and pressure

Periodicity
Leucocytosis in Smithi, turkeys, close correlation between turkey deep body temperature and L. smithi cyclic behavior under conditions of natural, reversed, and continuous light

Periodicity
Trypanosoma congolense, T. vivax, cattle, factors affecting blood sampling for parasitemia and anemia (diurnal variation; ear-vein vs. jugular-vein blood): The Gambia

Periodicity
Trypanosoma congolense, circadian rhythm in numbers of parasites in blood of laboratory rodents, indisputable rhythms not found in T. vivax, T. brucei, and T. lewisi

Periodicity
Haematobia irritans attacking pastured cattle, seasonal and diurnal activities: Iwate Prefecture, Honshu, Japan

Periodicity
Hendrix, S. S., 1978, J. Parasitol., v. 64 (4), 606-612
Plagioportus hypentelii, life history and seasonal biology, effect of snail sex and age on daughter sporocyst burden, photoperiodicity of cercarial emergence: Monocacy River drainage, Pennsylvania

Periodicity
Wuchereria bancrofti, Brugia malayi, B. timori, human, microfilarial periodicity, distribution survey in Indonesia

Periodicity
Brugia malayi, Brugia timori, classification of microfilarial periodicities using Aikat and Das statistical method, survey of 6 localities in Indonesia

Periodicity
Dipetalonema reconditum in dogs, morphology of adults and microfilariae, periodicity, Ctenocephalides reconditum in dogs, morphology of adults and microfilariae, periodicity, Ctenocephalides felis (nat. and exper.) as probable vector: Lebanon

Periodicity
Plasmodium yoelii, gametocytes, morphological characters as indication of age, infectivity, and periodicity...
Periodicity
Polystoma integerrimum from Rana temporaria, hatching rhythm of oncomiracidia under different experimental conditions of light and darkness and temperature

Periodicity
Diplozoon homolom gracile from Barbus meridionalis, egg-laying and hatching rhythms, probably synchronized to host behavior so as to increase chances of successful invasion by larvae

Periodicity
Ochoterenella sp., microfilarial periodicity in Bufo marinus

Periodicity
Masuya, T., 1976, Kiseichugaki Zasshi (Japan. J. Parasitol.), v. 25 (4), 283-312
microfilariae of 13 spp. with different patterns of periodicity examined for presence or absence of photodynamic substances, fluorescence microscopy, microfluorophotometry, scanning electron microscopy

Periodicity
Matskasi, I., 1970, Folia Parasitol., v. 17 (1), 25-30
Opisthodiscus diplodiscoides, neurosecretory cells, morphology, diurnal rhythm of secretory activity

Periodicity
Mansonella ozzardi, human, microfilaria concentrations in capillary and venous blood and in skin compared, 24-hour observation of circulating microfilariae showed considerable variation between subjects but no evidence of periodicity, Wuchereria bancrofti exhibited nocturnal periodicity in 2 subjects with mixed infections: Trinidad

Periodicity
Pointier, J. P.; and Theron, A., 1979, Ann. Parasitol., v. 54 (1), 43-56
Schistosoma mansoni, distribution and population dynamics of Biomphalaria glabrata, prevalence of infection, rhythm of presence and density of cercariae: freshwater mangrove, Guadeloupe, French Antilles

Periodicity
Schistosoma haematobium, boys, periodicity of egg output in urine, highest output between 12 and 15 hours: Tunau Primary School, Malumfashi, northern Nigeria

Periodicity
Amblyomma hebraeum, lack of daily rhythm in release of assembly pheromones

Periodicity
Amblyomma hebraeum, Himalayan giant rabbits (exper.), factors regulating drop-off rhythms of engorged larvae and nymphs, light is dominant synchronizer affecting endogenous rhythms

Periodicity
ticks, mortality curves of larvae dipped in dioxathion, chlorphenvimphos, and oxionthionphos, time of application, larvae of ticks exhibit diel periodicity in sensitivity to acaricides

Periodicity
Rep, B. H.; and Bos, R., 1979, Tijdschr. Diergeneesk., v. 104 (19), 747-758
Uncinaria stenocephala, dogs (exper.), worm population and topographical distribution in host intestine, prepatent and patent period, rhythm of daily worm-egg counts; egg and larval survival at low temperatures; natural infections in foxes and experimental cross-infections between dogs and foxes, epidemiological implications: Netherlands

Periodicity
Fasciola hepatica-injected or non-injected Lymnaea truncatula, disturbance of daily rhythm of behavior in presence of predators

Periodicity
Rusak, L. V., 1974, Parazitologiiia, Leningrad, v. 8 (2), 109-111
Hymenolepis nana, young and adult worms, changes in localization in intestine of white mice in course of a day

Periodicity
Schenone, H.; et al., 1977, Bol. Chileno Parasitol., v. 32 (3-4), 63-66
Trypanosoma cruzi, patient with chronic infection and constant parasitemia, xenodiagnosis for study of diurnal and nocturnal periodicity

Periodicity
Cooperia oncophora, calves (exper.), larvae conditioned at certain temperatures prior to infection had inhibited development, photoperiod or presence of light prior to infection did not affect development

Periodicity
Tashkinov, N. I., 1972, Parazitologiiia, Leningrad, v. 6 (4), 326-333
Oedemagena tarandi in reindeer of different age and sex groups, larval development, larval emergence, flight and attacking activity of imagoes: seasonal and daily dynamics, weather effects, other factors

Periodicity
Wohlfahrtia magnifica, pupal diapause, autumn temperatures and photoperiod as factors, practical importance of stronger autumn control measures to prevent population buildup
Permeation. [See also Absorption; Osmosis]

Permeation

Ascaridia galli, in vivo and in vitro studies on effect of host immunity on cuticle permeability

Permeation

Ascaridia galli, in vitro glucose uptake greater in worms from vaccinated chicks than in those from unvaccinated chicks, increased parasite surface permeability possibly related to increased host immunity

Permeation

Ascaridia galli, ATP-ase, histochemical localization in cutaneous-muscular tissue, optimal conditions for activity, effect of host immunity on activity

Permeation

Ascaris suum, role of nervous system in regulating cuticular permeability

Phagocytosis. See Endocytosis; Feeding; Immunity, Phagocytosis; Invasion mechanisms; Pinocytosis

Phagocytosis

Akinshina, G. T.; and Desmon, Zh., 1977, Veterinariia, Moskva (12), 80-85
Toxoplasma gondii, mechanical-secretory penetrative ability into mouse peritoneal macrophages is correlated with strain virulence, scanning electron microscopy

Phagocytosis

Leishmania spp., comparison of rate of parasite uptake by mouse peritoneal macrophages

Phagocytosis

Leishmania-macrophage interaction in vitro, effect of cytochalasin B, concluded that infection was by phagocytosis rather than active penetration, cells from outbred mouse strain susceptible to L. tropica phagocytosed this species less efficiently than L. enriettii or L. donovani

Phagocytosis

Trypanosoma dionisi, effect of various agents (including temperature, complement, trypsin, cytochalasin B and immune plasma) on attachment and entry to mouse peritoneal macrophages in vitro, and subsequent morphogenesis; attachment occurred to non-specific receptors, entry by phagocytosis
Phagocytosis
intracellular Phagosome-lysosomal reaction, location within host cells, host species and host cell specificity, invasion of host cells, methods of evading intracellular destruction by lysosomes, nutrition, effects on structure and composition of host cells, exit from host cell, review

Phagocytosis
Naegleria fowleri, cytopathogenicity in mouse embryo-cell cultures, no evidence that cell-free cytotoxic factors play a part, damage seemed to occur only as result of direct contact with active ameoba and appeared to be associated with phagocytic activity of trophozoites

Phagocytosis
Naegleria fowleri, cytopathogenicity in mouse embryo-cell cultures, observations by immunofluorescence microscopy and electron microscopy, concluded that trophozoites destroy cultured cells by phagocytosis-like mechanism without aid of amoeba-associated cytotoxic or cytolytic agents

Phagocytosis
Leishmania braziliensis-like, entry of promastigotes into human skin fibroblasts in vitro, lack of phagosome-lysosome fusion after entry, transformation into amastigotes, intracellular survival and multiplication: L. donovani promastigotes unable to infect human skin fibroblasts in vitro

Phagocytosis
Chang, K. P., 1979, Exper. Parasitol., v. 48 (2), 178-189
Leishmania donovani, promastigote-macrophage surface interactions in vitro

Phagocytosis
Leishmania donovani/hamster macrophage interactions in vitro: cell entry, intracellular survival, and multiplication of amastigotes

Phagocytosis
Ebert, F.; Buse, E.; and Muehlfpfordt, H., 1979, Ztschr. Parasitenk., v. 59 (1), 31-41
Leishmania donovani, virulent vs. avirulent promastigotes in hamster peritoneal macrophages in vitro, attachment, process of engulfment, amastigote multiplication, localization, light and electron microscopy

Phagocytosis
Trichomomas vaginalis in human cervical and vaginal exudates, fine structure and acid phosphatase activity, relationship with other cellular elements including phagocytosis and digestion of epithelial cells and bacteria and phagocytosis by macrophages

Phagocytosis
Gorenflo, A.; et al., 1979, Ann. Pharm. Franc., v. 37 (7-8), 275-284
Plasmodium berghei, mice (exper.), cause-effect relationship between myelin-like form of erythrocytes and that of neutrophilic granulocytes or monocytes which have phagocytized pigment grains

Phagocytosis
Toxoplasma gondii, interactions in vitro with mouse cells, review

Phagocytosis
Mrazekia limnodrili, fine structure of surface of infected phagocytes of Limnodrillus hoffmeisteri: Odra River bank, Wroclaw

Phagocytosis
Kipnis, T. L.; Calich, V. L. G.; and Dias da Silva, W., 1979, Parasitology, v. 78 (1), 89-98
Trypanosoma cruzi, bloodstream forms of Y and CL stock, uptake by mouse peritoneal macrophages and intracellular differentiation and multiplication in vitro under a variety of conditions, results confirm that epimastigote culture forms are phagocytosed and suggest that bloodstream forms penetrate actively into macrophages

Phagocytosis
Kongtong, P.; and Inoki, S., 1975, Kiseichu Zasshi (Japan. J. Parasitol.), v. 24 (5), 647-655
Trypanosoma cruzi, trypomastigotes, epimastigote bloodstream forms, method of entry into fibroblast cells and intracellular development, scanning electron microscopy

Phagocytosis
Trypanosoma dionisii, phagocytosis by mouse peritoneal macrophages in vitro and subsequent fate therein

Phagocytosis
Entamoeba histolytica trophozoites in contact with tissue culture cells with intact cell membranes, transmission electron microscopy of phagocytosis, attachment, endoplasmic streaming, and micropseudopodia
Phagocytosis
Trypanosoma cruzi trypomastigotes, interaction with hamster peritoneal macrophages at optical and ultrastructural levels in vitro, possible mechanisms of parasite intracellular fate, strain differences

Phagocytosis
Nguyen, B. T.; and Stadttsbaeder, S., 1979, Ztschr. Parasitenk., v. 60 (2), 155-166
Toxoplasma gondii, trophozoites, modes of entry into normal mouse peritoneal macrophage and HeLa cell monolayers, phase-contrast microcinematography

Phagocytosis
Balantidium coli, effect of various bacteria on propagation in vitro, on erythropagocytic capability of balantidia, and on susceptibility of balantidia to atebrin, entobex, mefacin, form, and protargol; Trichomonas hominis, Chilomastix mesnili, and Dientamoeba fragilis found to be without effect; effect of balantidia on bacteria

Phagocytosis
Roth, R. L.; and Herman, R., 1979, Exper. Parasitol., v. 47 (2), 169-179
Plasmodium berghei, correlation of in vitro erythropagocytosis with dynamics of early-onset anemia and reticulocytosis in mice

Phagocytosis
Toxoplasma gondii, effect of cytchalasin D on entry into mononuclear phagocytes and into cells generally not considered to be phagocytes, results support concept that host cells actively participate in process by which Toxoplasma gains entry into cells

Phagocytosis
Takeuchi, T., 1977, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 26 (2), 75-85
Toxoplasma gondii, mechanism of entry into host cells, ultrastructural study

Phagocytosis
Terrykis, J. A.; et al., 1979, J. Protozool., v. 26 (3), 385-389
Plasmodium berghei, exoerythrocytic stages in rat liver, possible example of phagocytosis by Kupffer cells, electron microscopy

Phagocytosis
Entamoeba, several species and strains, comparison of in vitro ingestion of human erythrocytes (HRBC), E. histolytica isolated from cases of human dysentery show significantly higher phagocytic rate of HRBC ingestion than nonpathogenic strains and than other Entamoeba not pathogenic for mammals, however all Entamoeba tested are able to ingest HRBC

Phagocytosis
Leishmania tropica, uptake of promastigotes by macrophages, scanning electron microscopy, invasion is through phagocytosis rather than penetration

Pharmacology. [See also Drugs, Mode of action; Residues; Toxicity]
Pharmacology
diethylcarbamazine, determination of concentrations in human plasma and urine

Pharmacology
Alton, K. B.; and Patrick, J. E., 1979, J. Pharm. Sc., v. 68 (5), 599-601
tinidazole in human plasma, quantitative determination by high-performance liquid chromatographic assay

Pharmacology
Alton, K. B.; Patrick, J. E.; and McGuire, J. L., 1979, J. Pharm. Sc., v. 68 (7), 880-882
mebendazole, high-performance liquid chromatographic assay, tested on human plasma with known drug amounts added; possible use with Echinococcus multilocularis patients receiving chronic high dosage

Pharmacology
metronidazole, no detectable effects on functions of human blood neutrophils and lymphocytes

Pharmacology
droncit, animals, plasma concentrations and distribution in host body determined using biological assay with helminth

Pharmacology
Banerjee, N. C.; et al., 1979, Indian Poultry Gaz., v. 63 (1), 19-21
sulfaphenazole, blood level, biological half life, volume distribution, and tissue dispersion in poultry, possible public health hazard

Pharmacology
Anocentor nitens, effects of various solvents on oviposition

Pharmacology
Beddok, R. A.; and Mansour, T. E., 1979, Biochem. Pharmacol., v. 28 (24), 3689-3692
Fasciola hepatica, serotonin-activated adenylate cyclase, antagonism by levorphanol and dextrophan

Pharmacology
Blumer, J. L.; et al., 1979, Molec. Pharm., v. 16 (3), 1019-1030
niridazole, aerobic metabolism by rat liver microsomes
Pharmacology
Bouwsma, O. J.; Stewart, J. T.; and Capomacchia, A. C., 1978, J. Pharm. Sci., v. 67 (9), 1224-1228
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antiprotozoal drugs in current use, extensive review of modes of action, epidemiologic factors, clinical administration, contraindications and cautions

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Pharmacology
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Pharmacology
Plasmodium berghei, evidence that erythrocyte surface components determine affinity with which chloroquine is accumulated and thereby determine whether or not the malaria parasite will be susceptible to the drug

Pharmacology
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Pharmacology
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Pharmacology
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Pharmacology
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Pharmacology
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Pharmacology
Diethylcarbamazine, dogs, effects of long-term administration

Pharmacology
Metronidazole, agar-well diffusion bioassay using bacteria, increased sensitivity

Pharmacology
Dichlorvos, trichlorfon, horses, decrease in plasma cholinesterase activity, concluded that relaxation of horses with succinylcholine should not be carried out within 10 days after exposure to organophosphorus type anthelmintics

Pharmacology
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Pharmacology
Metronidazole forms N-(2-hydroxyethyl)-oxamic acid, anaerobic metabolism

Pharmacology
Fasciola hepatica total and mitochondrial lipids, ox brain total lipids, and ox heart mitochondrial lipids as sources of bimolecular phospholipid membranes in which proton conductivity induced by aromatic sulfides, sulfoxides, and sulfones correlated with their fasciolicidal effects and permitted toxicity evaluation

Pharmacology
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Pharmacology
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Pharmacology
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Pharmacology
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Pharmacology
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Pharmacology
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Ostertagia ostertagi arrested 4th stage larvae, incorporation of C14-labeled thiabendazole no lower than that of adult worms, increased tolerance may be due to lower energy demands of arrested larvae, higher efficacy can be achieved by persistently high anthelmintic concentrations in host

Pharmacology
Haemonchus contortus, Trichostrongylus colubriformis, sheep, Ostertagia ostertagi, cattle, 4 benzimidazoles, mode of action and pharmacokinetic behavior, implications for prolonged administration as a new concept for increasing spectrum and effectiveness of anthelmintics

Pharmacology
Haemonchus contortus, Trichostrongylus colubriformis, sheep, thiabendazole, fenbendazole, concentrations of anthelmintics or their radiolabelled metabolites in parasite tissues after administration to host, differences between amount of each anthelmintic incorporated by susceptible and resistant parasite strains and between the two parasites, effect of route of administration on anthelmintic concentration in parasite tissue and host plasma

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Pharmacology
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Pharmacology
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Nilverm, pharmacological characteristics, effects on various organ systems

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Amprolium, inhibition of activity of some cholinesterases, possible role in molecular mechanism of side effects in livestock

Pharmacology

Pharmacology
Avermectin B1a, enhancement of in vitro binding of 3H-diazepam to rat and mouse brain membranes, can also enhance some pharmacological actions of diazepam

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Phenology. See Climate and weather.

Pheromones. [See also Attractants; Hormones]

Pheromones
Arthropods of medical and veterinary importance, mate seeking and mating sites, review

Pheromones
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Nippostrongylus brasiliensis, aggregation and sex pheromones, chromatographic fractionation

Pheromones
Nippostrongylus brasiliensis, factors influencing movement of males toward female pheromone

Pheromones
Amblyomma maculatum, cattle (exper.), male tick pheromone applied to small area on cattle attracted female ticks from other sites, mixture of pheromone and isobenzan attracted and killed female ticks

Pheromones
Ixodes ricinus, copulation, meeting of both sexes assured by female pheromone, crossed attraction between I. ricinus and I. hexagonus

Pheromones
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Pheromones
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Cimex lectularius, structure of sensilla, olfactory perception, and behavior in response to its alarm pheromone

Pheromones
Amblyomma hebraeum, lack of daily rhythm in release of assembly pheromones
Pheromones
Amblyomma hebraeum, calves, rabbits, evidence for existence of an assembly pheromone(s), behavior of adult male and female ticks in response to fed males or their extracts

Pheromones
Amblyomma hebraeum, field trials with pheromone-toxaphene mixtures applied to demarcated areas on cattle for tick control: near East London, South Africa

Pheromones
Tritylota infestans, Rhodnius prolixus (vecors of Chagas' disease), assembly pheromone of nymphs

Pheromones
Dermacerator variabilis, D. andersoni, female sex pheromone, chemical and biological evidence for existence, interspecific and intergeneric sex attractant activity involving both Dermacerator spp. and Rhipicephalus sanguineus

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Philippine Islands
prevalence survey, intestinal and blood parasitic diseases in selected areas of North Samar Province, Philippine Islands
(Entamoeba histolytica; E. coli; Endolimax nana; Giardia lamblia; Chilomastix mesnili; Ascaris lumbricoides; Trichuris trichiura; hookworm; Strongyloides stercoralis; Schistosoma japonicum; Wuchereria bancrofti)

Philippine Islands
gastro-intestinal nematodes of cattle, variation in incidence in Oriental Mindoro vs. Palawan, Philippines
(Copperia sp.; Bunostomum sp.; Mecistocirrhus sp.; Oesophagostomum sp.; Trichostrongylus sp.; Haemonchus sp.; Strongyloides sp.)

Phoresy. See Vectors, Mechanical.

Photoperiodism. See Light; Periodicity.

Phylogeny. See Evolution.

Physiology
physiology of fish parasites, review: chemical composition; physical environmental parameters (salinity, temperature, oxygen tension); nutrition (role of gut, role of tegument); metabolism (carbohydrates, nitrogenous compounds, lipids); growth physiology; host-parasite relations (pathology, host specificity and immunity)

Physiology

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Physiology, Acanthocephala
Gracilisentis gracilisentis, mechanisms of hook and proboscis actions, variability in hook number and arrangement

Physiology, Acanthocephala
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Physiology, Acanthocephala
Moniliformis dubius, carbohydrate transport: post-absorptive phosphorylation of glucose and role of trehalase in accumulation of endogenous glucose reserves

Physiology, Acanthocephala
Macracanthorhynchus hirudinaceus, body wall muscles, light and scanning electron microscopy, intracellular recording of potentials; Oligacanthorhynchus tortuosa, M. ingens, light microscopy of body wall muscles

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Boophilus microplus, salivary glands during attachment and feeding, gross anatomy, number of cell types and changes in morphology during development, histochemistry, enzymes, physiological functions of cell secretions

Physiology, Arthropoda
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Ornithodoros savignyi, rats (exper.), chemical composition of coxal fluid (electrolytes, amino acids, proteins, nucleic acids, carbohydrates, lipids), results confirm osmoregulatory role of coxal organs; sucrose detected in coxal fluid, first report in any animal tissue

Physiology, Arthropoda
Ceratophyllus hirundinis hirundinis, C. styx styx, surface structure and cellular detail of sensillum, light, stereoscan, and transmission electron microscopy, possible modes of functioning

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Ixodes ricinus, polymorphism at α-glycerophosphate dehydrogenase locus detected by electrophoresis, allele and genotype frequency patterns in natural tick populations, physiological and behavioral correlates of alternate genotypes (susceptibility to desiccation, locomotory efficiency), sex and locality differences, results provide evidence that polymorphism serves adaptive function and suggest factors that may be involved in selective maintenance of variability in natural populations: Ireland

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Physiology, Arthropoda
Hyalomma asiaticum, Cimex lectularis, locomotor responses under influence of electromagnetic fields of differing frequencies and intensities

Physiology, Arthropoda
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Physiology, Arthropoda
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Physiology, Arthropoda
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Physiology, Arthropoda
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Physiology, Arthropoda
Craeolina pallida, haltere activity and possible functions in this flightless hippoboscid fly, very brief observations on Melophagus ovis (haltere absent), Hippobosca equina, and an apterous African necteribid

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Ixodes persulcatus, lateral organs on both sides of brain, secretory activity and growth increase during feeding and coincide with vitellogenesis

Physiology, Arthropoda
Amblyomma americanum, microanatomy of eye, transmission electron microscopy

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Physiology, Arthropoda
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Physiology, Arthropoda
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Haemonchus contortus, influence of breed and haemoglobin type on clinical and pathophysiological response of sheep to moderate primary infection, concluded that genetic resistance operated primarily against worm establishment and was probably controlled by the immune response elicited, in heavy infections there was no correlation between worm establishment and haemoglobin type
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Physiology, Host
Fasciolopsis buski, schoolchildren, serum vitamin B12, serum and red cell folate, serum vitamin B12 and serum folate binding proteins, vitamin B12 absorption

Physiology, Host
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Trichinella spiralis-infected rats, alterations in function and morphology of anterior hypothalamus

Physiology, Host
Strongyle-infected ponies (nat. and exper.), disturbances of digestive motility, effect of mebendazole treatment

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Trichinella spiralis-infected vs. uninfected mice, skeletal muscle membrane potentials

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Trichinella spiralis-infected rats, inadequate oral food intake rather than changes in basal metabolism or intestinal pathophysiology accounts for weight loss during intestinal phase of infection

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Trichinella spiralis, rats, intestinal fluid movement in response to primary or secondary infection, relationship to prevention of worm establishment

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Nippostrongylus brasiliensis infections in protein-deficient rats have important effects on pathophysiological changes usually ascribed to nature of diet, significant hematologic differences and changes in protein distribution as compared to uninfected rats fed ad lib or pair-fed on same protein-deficient diet

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Physiology, Host
Trichinella spiralis-infected dogs, inhibitory action of secretin on gastrin-stimulated gastric acid and pepsin secretion is compromised

Physiology, Host
Schistosoma mansoni in T-cell deprived vs. normal mice, parasitology (worm burdens, fecal egg counts), host response (hematology, serum transaminase levels), ameliorating effect of administering homologous chronic infection serum or heterologous rabbit anti-S. mansoni egg antiserum, roles played by cell-mediated vs. humoral immune responses in reaction against schistosome egg products

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Dunn, M. A.; et al., 1978, Gastroenterology, v. 75 (6), 1010-1015
Schistosoma mansoni, conversion of arginine (but not glutamic acid) to proline in normal and fibrotic mouse liver slices and in living mice with schistosomiasis, arginine-derived proline was utilized for liver collagen synthesis, possible pathophysiological significance
Physiology, Host
Duszynski, D. W.; et al., 1978, J. Protozool., v. 25 (3, pt. 2), 370-374
Eimeria nieschulzi; rats, intestinal transit time during infection, on basis of findings it is difficult to implicate altered intestinal transit time in symptoms such as diarrhea which attend coccidiosis

Physiology, Host
Eimeria nieschulzii, structural and functional changes in small-intestine of infected rats (increase in intestinal mass; changes in mucosal structure especially increased crypt depth; decrease in peroxidase levels in lamina propria; reduction of brush border disaccharidase activity), intensity of all changes was directly dose-dependent

Physiology, Host
Sarcocystis cruzi-infected calves (exper.), pathophysiologic changes in urine and blood, several specific effects beyond those induced by nutritional stress

Physiology, Host
Eimeria acervulina-infected chickens, reduced time of generation cycle of duodenal crypt cells as measured by [3H]thyminde, increased population of dividing cells within each duodenal crypt; changes seem to result from induced changes in functional activity

Physiology, Host
Chagas disease in rats, excretion of urinary catecholamines under basal conditions, after insulin hypoglycemia and under reserpine stimulation, comparison with normal controls

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Strongyloides stercoralis, humans, investigation of intestinal malabsorption associated with parasitism; correlation between high levels of fecal fat content in persons with morphologic changes in small bowel thus indicating that fecal fat content is reliable index of malabsorption

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Babesia bovis-infected splenectomized and intact calves, changes in fibrinogen, plasminogen and IgG2 in saline eluates from sucrose-washed erythrocytes and in plasma, relationship to coagulation, fibrinolysis, and blood agglutination

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Schistosoma mansoni, humans with hepato-splenic or hepato-intestinal infections, values of 12 serum enzymes compared with normal values

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Hans, O. M.; and Stewart, T. B., 1979, J. Animal Sci., v. 49 (4), 1000-1005
Trichuris suis, pigs (exper.), effects of infection on weight gains, digestion and absorption of nutrients, and nitrogen balance

Physiology, Host
Histomonas meleagris-infected turkeys, dynamics of protozoan population density, plasma glutamic oxalacetic transaminase, plasma bilirubin concentration, relationship to clinical symptoms

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Physiology, Host
Trichostrongylus colubriformis, guinea pigs, primary and secondary infections, skeletal muscle protein catabolism, comparison with uninfected animals fed quantitatively reduced rations, catabolism which was depressed in all 3 groups was directly related to fall in food consumption

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Eimeria acervulina, chicks (exper.), stress of intestinal infection results in depletion of ascorbic acid in blood plasma and tissues, addition of dietary ascorbic acid prevents depletion

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Eimeria tenella, chickens (exper.), absorption of iron in small intestine, concentration of iron in tissues and organs

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[Schistosoma] mansoni, human hepato-splenic form, absorption of fibrinogen does not differ from that of normal persons
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Fasciola hepatica, exper. infection in rabbits, sheep, and cattle, variations in blood parameters that reflect alterations in liver function compared with normal values in order to establish standards for studying toxicity of flukicides

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Physiology, Host
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Physiology, Host
Schistosoma mansoni-infected mice, effects on growth, development and gonadal function

Physiology, Host
S[chistosoma] mansoni, humans, fat absorption, increased presence of eggs and granulomatos lesions in deep layers of small intestine, suggest possible selective malabsorption of certain nutrients

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Trichostrongylus vitrinus, sheep (exper.), chronic infection, food intake and body weight gains, food digestibility, body composition, bone chemistry and histology, serum constituents

Physiology, Host
Trichostrongylus colubridis, guinea pigs with light to heavy infections, relationships between fall of food consumption and changes of body mass and skeletal muscle and liver protein synthesis

Physiology, Host
trypanosome-infected fish, reduced serum alkaline phosphatase levels and lowered metabolic activity

Physiology, Host
trypanosome-infected fishes, lowered serum cholesterol levels, possible causes

Physiology, Host
Schistosoma mansoni, albino mice, intestinal parameters in assessing severity of disease, findings argue for small intestine as valuable organ for pathophysiological studies of acute infection

Physiology, Host
Schistosoma mansoni, mice, observations on ovarian functions during acute infections showed that estrus was present in some infected animals in spite of histopathological changes and decreased levels of progesterone

Physiology, Host
Schistosoma mansoni-infected Mus musculus, mice, morphology and function of adrenals in acute infection

Physiology, Host
Schistosoma mansoni-infected Mus musculus, body weight, food intake, small intestinal weight, impaired transport of glucose, 3-O-methylglucose, sorbitol, and fluid, surface appearance of intestinal mucosa

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Physiology, Nematoda
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Plasmodium tropiduri, P. berghei, P. gallinaceum, intraerythrocytic stages, morphological and enzyme cytochemical observations on phagotrophy

Physiology, Protozoa
de Souza, W.; et al., 1978, Exper. Parasitol., v. 45 (1), 101-115
Trypanosoma cruzi incorporates exogenous proteins by pinocytosis, pinocytic vesicles can fuse forming multivesicular structures, cell membrane and membranes of pinocytic vesicles and large multivesicular structures contain carbohydrates, many intramembranous particles in cell membrane but few or none in membranes of vesicles and multivesicular structures

Physiology, Trematoda
Schistosoma mansoni miracidia in egg, water uptake and metabolic changes, hatching mechanism

Physiology, Trematoda
Schistosoma mansoni, uptake and fate of exogenous hemoproteins (horseradish peroxidase and hemoglobin) by schistosomules maintained in vitro

Physiology, Trematoda
Schistosoma mansoni-infected mice injected via tail vein with peroxidase and Thorotrast, subsequent appearance of these tracers in worms, results suggest that tegumental and cecal surfaces may exhibit functional specialization in male vs. female worms

Physiology, Trematoda
Catto, B. A.; and Ottesen, E. A., 1979, Comp. Biochem. and Physiol., v. 63C (2), 235-242
Schistosoma mansoni schistosomules, serotonin uptake

Physiology, Trematoda
Cornef, E. H.; and Oldendorf, W. H., 1979, J. Parasitol., v. 65 (3), 577-583
Schistosoma mansoni, new method for measuring transintegumental uptake in individual male and female worms, application to uptake of glucose and selected amino acids

Physiology, Trematoda
digenetic trematodes, structure of tegument is adapted to serve the two primary functions of absorption and protection and represents a compromise between demands of the two roles, analysis and integration of already available information, implications for view of method of formation of tegument and for nomenclature of tegumental structures

Physiology, Trematoda
Ernst, S. C., 1976, Rice Univ. Studies, v. 62 (4), 81-95
Schistosoma mansoni, alkaline phosphatase activity, biochemical and cytochemical studies, tegumental localization suggests that invaginations of tegument represent surface compartments that would facilitate digestive absorptive activity of this membrane, localization of nonspecific alkaline phosphatase activity in tegument but not in esophagus or cecum may reflect regional differences in function

Physiology, Trematoda
Fetterer, R. H.; et al., 1978, Exper. Parasitol., v. 46 (1), 59-71
Schistosoma mansoni, physical and chemical factors affecting mechanical properties of adult male musculature in vitro (incubation media, buffers, temperature, osmolality, pH, ions), improvements in system for recording motor activity; results indicate that S. mansoni musculature is similar to smooth muscle found in mammals

Physiology, Trematoda
Fournier, A., 1978, Parasitology, v. 77 (1), 19-26
Euzetremia kloepferi, ultrastructure of digestive caecum, partially haematophagous diet, digestive process, evidence for synchronous cycle of gastrodermal activity and 'apocrine-like' release of residues of digestion
Physiology, Trematoda
Fournier, A.; and Combes, C., 1978, Zoomorphol., v. 91 (2), 147-155
Polystoma integerrimum, structure and function of eyespots of free-swimming larva studied by electron microscopy, light concentration occurs by reflection rather than by refraction and all Polystomatidae appear to present this reflecting system (same structure also found in P. pelobatis, Eu-polyxena alluadai, and Polystomoides ocellatum)

Physiology, Trematoda
Isoparorchis hypselobagri, distribution and amount of glycogen in unstarved, starved, and starved/refed parasites, resynthesis, biochemical and histochemical studies

Physiology, Trematoda
Didilophora merlangi, trans- tegmental absorption of L-alanine and L-leucine, worm is clearly sanguinivorous and digests blood in well-developed gut but may also be capable of supplementing this diet with low molecular weight organic nutrient absorbed directly from sea water via tegument

Physiology, Trematoda
Higgins, J. C., 1979, Parasitology, v. 78 (1), 99-106
Bucephalus haimeanus, metacercaria, role of tegument in absorption of particulate material and small molecules in solution

Physiology, Trematoda
Fasciola hepatica, phosphodiesterase, properties, kinetics, effect of phosphodiesterase inhibitors on motility and endogenous cAMP concentrations in fluke heads

Physiology, Trematoda
Matskasi, I., 1970, Folia Parasitol., v. 17 (6), 603-608
Transversotrema patialense, cercarial, postcercarial, and adult stages, influence of differing ionic environments on survival and infectivity

Physiology, Trematoda
Mills, C. A., 1979, Internat. J. Parasitol., v. 9 (6), 603-608
Transversotrema patialense, cercarial, postcercarial, and adult stages, influence of differing ionic environments on survival and infectivity

Physiology, Trematoda
Trematoda, morphophysiology of yolk glands and egg formation, review

Physiology, Trematoda
Pax, R.; Fetterer, R.; and Bennett, J. L., 1979, Comp. Biochem. and Physiol., v. 64C (1), 123-127
Schistosoma mansoni, effects of fluoxetine and imipramine on adult males in vitro, interactions with 5-hydroxytryptamine-induced contractile activity, interaction with anti-schistosomal compounds praziquantel and R011-3128

Physiology, Trematoda
Polliakova-Krusteva, O.; et al., 1977, Khelmintologija, Sofija, v. 4, 50-58
Fasciola hepatica, origin, ultrastructure, and function of subcuticular cells of tegument, localization of DNA synthesis, high degree of DNA-replication indicates mitotic activity of non-differentiated subcuticular cells

Physiology, Trematoda
Prior, D. J.; and Uglem, G. L., 1979, J. Exper. Biol., v. 83, 239-247
Proterometra macrostoma cercariae, behavioral and physiological aspects of swimming

Physiology, Trematoda
Pricea multae, and other trematodes, role of vitelline cells and Mehlis’ gland in formation of egg-shell

Physiology, Trematoda
Ceylonocotyle scoliocoelium, histochemical distribution of succinic dehydrogenase in lymphatic system, enzyme activity appeared in form of diformazon granules which are believed to consist of mitochondrial aggregates, suggested that this enzyme helps in transportation of metabolites

Physiology, Trematoda
Sharma, P. N., 1978, J. Helminth., v. 52 (2), 159-162
Ceylonocotyle scoliocoelium, histochemical distribution of succinic dehydrogenase in lymphatic system, enzyme activity appeared in form of diformazon granules which are believed to consist of mitochondrial aggregates, suggested that this enzyme helps in transportation of metabolites

Physiology, Trematoda
Fasciola hepatica, basal infolds and associated vacuoles of tegument, enzyme activity appeared in form of diformazon granules which are believed to consist of mitochondrial aggregates, suggested that this enzyme helps in transportation of metabolites

Physiological activity of non-differentiated subcuticular cells

Physiopathology. See Pathology; Physiology, Host.

Pigmentation. See Pigments.

Pigments. [See also Hemoglobin]

Pigments
Schistosoma mansoni, uptake and fate of exogenous hemeproteins (horseradish peroxidase and hemoglobin) by schistosomules maintained in vitro
Pigments
onchocerciasis, humans with low intensity of infections, skin pathology including depigmentation: Belgian Congo

Pigments
Camp, J. W.; and Huizinga, H. W.; 1979, J. Parasitol., v. 65 (4), 667-669
Acanthocephalus dirus-infected Asellus intermedius, altered color, behavior, and susceptibility to predation by Semotilus atromaculatus

Pigments
Chernin, J.; and Tilleray, V. J.; 1979, J. Helminth., v. 53 (2), 127-129
Taenia crassiceps in mice suffering from obstructive jaundice, bilirubin extracted from metacercoides, reduced activity of 8-D-glucuronidase in pigmented vs. normal parasites

Pigments
Argulus foliaceus on Gasterosteus aculeatus, comparative studies on occurrence of carotenoids in host-parasite system, not all carotenoids found in host are assimilated by A. foliaceus, some are specific to parasite

Pigments
Fasciola hepatica and bovine liver, carotenoid content, xanthophylls are dominating carotenoids in F. hepatica, column and thin-layer chromatography

Pigments
Schistosoma intercalatum in Syrian hamsters, ultrastructural study of pathologic lesions (mainly mature egg granulomas) in liver; Schistosoma pigment compared with malarial pigment induced by infecting hamster with Plasmodium berghei

Pigments
Gorenflot, A.; et al., 1979, Ann. Pharm. Franc., v. 37 (7-8), 275-284
Plasmodium berghei, mice (exper.), cause-effect relationship between myelin-like form of erythrocytes and that of neurophilic granulocytes or monocytes which have phagocytized pigment grains

Pigments
Hefnawy, T.; Khalil, G. M.; and Sidrak, W., 1979, J. Med. Entom., v. 16 (5-6), 445-451
Ornithodoros savignyi, blood meal weight and heme content during developmental cycles, technique for determining exact instar

Pigments
Diplozoon paradoxum, oncomiracidium, median, pigment-shielded eyes and lateral unshielded eyes, electron microscopy

Pigments
Kearn, G. C.; 1979, Internat. J. Parasitol., v. 9 (6), 545-552
skin-parasitic monogeneans of fish, occurrence of gut pigment in relation to habitat (host dorsal vs. ventral surface), pigment distribution in upper skin of fish hosts, chemical nature of pigment; Entobdella soleae does not contain gut pigment and does not damage host dermis during feeding

Pigments
parasite coloration, possible functions, review

Pigments
Lo, H. S.; and Reeves, R. E., 1979, Exper. Parasitol., v. 47 (2), 180-184
Entamoeba histolytica, flavins in axenic organisms and in growth medium, demonstration of in vivo biosynthesis of flavin nucleotides from riboflavin

Pigments
Dermatobia hominis, survey of lesions in Zebu cow hides of different colors, possible explanation for higher parasite distribution in dark colored hides: Brazil

Pigments
Mauro, N. A.; and Weinstein, P. C., 1979, Internat. J. Parasitol., v. 9 (5), 421-427
Nematospiroides dubius, Nippostrongylus brasiliensis, nutritional requirements for development of free-living stages in vitro: effects of sterols, rat hematin, and coproporphyrin; analysis of egg lipids

Pigments
Sano, M.; and Ishii, A., 1979, Experientia, v. 35 (4), 472-473
Schistosoma japonicum, schistosomal pigment; purification and histochemical characteristics, comparison with malarial (Plasmodium berghei) pigment

Pigments
Haemonchus contortus, morphology, histology, and biochemistry of gut, relationships to nutrition and digestion

Pigments
Isoparorchis hypselobagri, polyphenol oxidase activity, probable role in egg-shell formation; scleroprotein/melanin pigment in egg

Pigments
Demodex spp. (especially D. caprae) and 2 related genera, physical characteristics and chemistry of exoskeleton and pigment granules

Pigments
Yamada, K. A.; and Sherman, I. W., 1979, Exper. Parasitol., v. 48 (1), 61-74
Plasmodium lophurae, hemozoin (malarial pigment), composition and properties
Pneumocystis. [See also Endocytosis; Feeding; Phagocytosis]

Pneumocytosis

Trypanosoma brucei, apical part of flagellar pocket, freeze-cleaving and thin-sectioning techniques, possible role of neck region in pinocytosis

Pneumocytosis

Higgins, J. C., 1979, Parasitology, v. 78 (1), 99-106
Bucephalus haimeanus, metacercaria, role of tegument in absorption of particulate material and small molecules in solution

Pinecytosis

Schistocephalus solidus picroceroid, pinocytic uptake of macromolecules by tegument

Pinocytosis

de Souza, W.; et al., 1978, Exper. Parasitol., v. 45 (1), 101-115
Trypanosoma cruzi incorporates exogenous proteins by pinocytosis, pinocytic vesicles can fuse forming multivesicular structures, cell membrane and membranes of pinocytic vesicles and large multivesicular structures contain carbohydrates, many intramembranous particles in cell membrane but few or none in membranes of vesicles and multivesicular structures

Plasma proteins. See Proteins.

Pleomorphism. See Polymorphism.

Pleura

Dracunculus medinensis, human, localization of larvae in pleura, development of eosinophilic pleurisy, case report: Mauritanian native living in France

Pneumonia. [See also Lungs]

Pneumonia

Toxoplasma gondii, 28-year-old man, fatal case of interstitial pneumonia, lesions also found in central nervous system and heart, case report: Sao Paulo, Brazil

Pneumonia

Pneumocystis carinii, human, fatal pneumocystis pneumonia after renal transplantation, clinical and radiologic findings with diagnosis confirmed only on autopsy, clinical case report: needle biopsy recommended for definitive diagnosis

Pneumonia

Hahn, H. L., 1977, Therapiewoche, v. 27 (48), 8784-8794
pneumonia, humans, etiology, includes clinical aspects, diagnosis, therapy of toxoplasmosis and Pneumocystis carinii

Pneumonia

Kempmann, G.; Buehler, F.; and Koesters, W., 1976, ROEFO, v. 124 (5), 424-427
Pneumocystis carinii, human, fatal pneumocystis pneumonia in patients with malignant neoplasms, case reports, vs. bronchial brushing or pulmonary biopsy advised for definitive diagnosis

Pneumonia

strongyloidiasis, lambs (exper.), clinical and radiologic findings, diagnosis, therapy, light and electron microscopy, diagnosis, Pneumocystis carinii

Pneumonia

Luna, M. A.; et al., 1972, Texas Rep. Biol. and Med., v. 30 (1), 41-56
Pneumocystis carinii pneumonia in patients, clinico-pathology, radiology, light and electron microscopy, diagnosis, therapy

Pneumonia

Nimmo, J. S., 1979, Canad. Vet. J., v. 21 [i.e., v. 20] (2), 49-52
Muellerius sp., goats (lungs), case reports, verminous pneumonia, gross and histopathology

Pneumonia

Pliissart, M.; Pecheur, M.; and Pouplard, L., 1979, Tierarztl. Umschau, v. 34 (6), 388, 391-394, 397-398
Ascaris suum in calves (exper.) as cause of pneumonia, clinical studies

Pneumonia

Pneumocystis carinii, case report of recurrent pneumonia in immunocompromised patient, normal chest X-rays complicated diagnosis, bronchial brushing or pulmonary biopsy advised for definitive diagnosis

Pneumonia

Takashima, Y.; Sumi, T.; and Hizawa, K., 1977
Pneumocystis carinii pneumonia, pathologic in patients with malignant neoplasms, case reports: Japan
Pneumonia
Vessai, K.; et al., 1976, Radiologe, v. 16 (1), 38-42
Pneumocystis carinii pneumonia, infants, radiologic diagnosis, evaluation of infection course by radiology and its use as guideline for therapy

Pneumonia
Walzer, P. D.; Powell, R. D., jr.; and Yoneda, K., 1979, Infect. and Immun., v. 24 (3), 939-944
Pneumocystis carinii, cortisonized mouse as experimental model for pneumocystis pneumonia, host strain differences

Poland
Helminths of sheep, survey, comparison of infection in young and old age classes: Bialystok Palatinate, Poland
(Fasciola hepatica; Dicrocoelium dendriticum; Moniezia expansa; M. benedeni; Taenia hydatigena; Strongyloides papillosus; Chabertia ovina; Bunostomum trigonocephalum; Oesophagostomum venulosum; Trichostrongylus axei; T. colubriformis; T. vitrinus; Ostertagia ostertagi; Teladorsagia circumcincta; T. trifurcata; Haemonchus contortus; Nematodirus filicol lis; N. spathiger; Trichocephalus ovis; T. skrjabini; Dictyocaulus filaria)

Poland
Acarina of small mammals: Gory Sowie (Middle Sudetes), Poland

Poland
Ectoparasites of small mammals: Gory Sowie (Middle Sudetes), Poland

Poland
Helminths of sheep, slaughterhouse survey, simplified method of necropsy employed for collecting gastro-intestinal helminths, seasonal distribution data for Haemonchus, Teladorsagia, and Trichostrongylus: Poland
(Dicrocoelium dendriticum; Fasciola hepatica; Paramphistomataidae; Moniezia benedeni; M. expansa; Taenia hydatigena; Strongyloides papillosus; Chabertia ovina; Bunostomum trigonocephalum; Oesophagostomum venulosum; Trichostrongylus axei; T. capricola; T. colubriformis; T. vitrinus; Ostertagia ostertagi; Teladorsagia circumcincta; T. pinata; T. trifurcata; Cooperia curticeli; C. mcmasteri; C. oncophora; Haemonchus contortus; Nematodirus abnormalis; N. filicol lis; N. helvetianus; N. spathiger; Skrjabini nema ovis; Trichocephalus ovis; T. skrjabini; Capillaria biloba; C. bovis)

Poland
Helminths, sheep, postmortem examination: State Farm Gold, Province Poznan, Poland
(Fasciola hepatica; Taenia hydatigena larvae; Oesophagostomum venulosum; Trichostrongylus colubriformis; T. vitrinus; Teladorsagia circumcincta; Teladorsagia trifurcata; Haemonchus contortus; Cooperia curticeli; C. oncophora; Trichocephalus ovis; Capillaria bovis)
Polymorphism


monogeneans of fish (primarily Dactylogyrus), variation in size of body and attachment organs, of localization on host, and of developmental cycle with respect to host age and size, taxonomic implications

Polymorphism

Pilley, B. M., 1976, J. Invert. Path., v. 28 (2), 177-183

Variormoph necatrix [n. comb.] in Spodoptera exempta, pathogenicity (occurrence of bacteriosis and cytoplasmic polyhedrosis virus), life cycle (disporoblastic life cycle at 25°C and both disporoblastic and octosporoblastic life cycle at 20°C), implications of polymorphism in relation to classification of Microsporidia

Polymorphism

Poinar, G. O., jr., 1978, Nematologica, v. 24 (3), 105-114

Neoaplectana glaseri, emended description, generation polymorphism (larger first generation, smaller second generation); symbiotic bacterium in nematode released into insect haemocoel, probably aids in nematode nutrition and development; rediscovery of xenic population indicates that nematode species is native to North America not introduced with Japanese beetle; possible use for pest control renewed

Polymorphism


Haemonchus contortus utkalensis in goats, vulvar configurations, 17 variants identified among 3 phenotypes, seasonal occurrence in relation to temperature and humidity, order of dominance is knobbed > linguliform > smooth except in July when it is knobbed > smooth > linguliform; Ludhiana, India

Polymorphism

Vickerman, K., 1977, Protozoology, v. 3, 57-65

Trypanosoma evansi, SAK strain, 4'-6-diamidino-2-phenylindole (DAPI) staining of kinetoplast, dyskinetoplasty mutation, pleomorphism, comparison with other flagellates

Polymorphism


Ostertagia circumcincta in tracer lambs (susceptible) vs. continuously grazed lambs (potentially resistant) over course of seasonal exposure to natural infection, worm burdens, % larval inhibition, parasite sex ratio, vulval flap pattern, worm size, results indicate importance of host-induced effects on morphological development

Polysaccharides. See Carbohydrates.

Populations. See Ecology, Populations.

Precipitin reactions. See Immunity, Precipitation.

Pregnancy. See Reproduction.

Premunition. See Immunity, Premunition.

Prenatal infection


Neoscaris vitulorum adults, 3-week old buffalo calf (faeces, rectum), maturity of worms indicated intrauterine transmission, treatment with piperazine phosphate, case report; Assiut University

Prenatal infection


toxoplasmosis, survey of mothers with still-born infants using the complement fixation test and dye test, high antibody titers and autopsy findings substantiating infection were found in only one case: Helsinki, Finland

Prenatal infection


Chagas disease, woman, pregnancy diagnosed shortly after parasitemia discovered, spontaneous abortion after 5 months of pregnancy, evidence of transplacental transmission to fetus, case report

Prenatal infection


Protostrongylus spp., Cystocaulus ocreatus, sheep, transplacental infection of foetus

Prenatal infection


fetal risk in maternal infections, includes information on toxoplasmosis, trichomoniasis, malaria

Prenatal infection


Chagas disease, incidence of congenital transmisson in premature infants: Salvador, Bahia

Prenatal infection


human Chagas disease, 400 term pregnancies, incidence in mothers and infants, no congenital transmission

Prenatal infection


Chagas disease, human, survey of aborted fetal remains for incidence of congenital transmission; Brazil

Prenatal infection


Chagas disease, congenital, diagnosis through study of fetal remains

Prenatal infection


Schistosoma mansoni, pregnant rabbits, no evidence of transmission to offspring; schistosomules infrequently may reach placenta
Prenatal infection
Trypanosoma cruzi, congenital infections, autopsy pathology of abortus, stillborn, newborn, and infants

Prenatal infection
[Trypanosoma] gambiense, congenital infection diagnosed 48 hours after infant's birth: Republic of Zaire

Prenatal infection
Toxoplasma gondii, human congenital, significance of different diagnostic tests in screening for inapparent infections, serologic tests and serologic patterns in mothers and children studied

Prenatal infection
Candes, A.; Galeano, A.; and de De Vargas, H., 1974, Rev. Paraguaya Microbiol., v. 9 (1), 34 human toxoplasmosis, evidence of transplacental transmission, both mother and infant had positive reactions to indirect immunofluorescence test immediately after child's birth

Prenatal infection
Toxoplasma gondii, human, estimation of incidence of congenital infections during 1970: Sao Paulo City, Brazil

Prenatal infection
fetal Babesia equi as cause of abortion: Brazil, imported from Florida, USA

Prenatal infection
Toxoplasma gondii, trypanosomiasis, malaria, leishmaniasis, parasitic pathology of foetus, review

Prenatal infection
[Trypanosoma] gambiense, fatal congenital infection in 12-day-old infant: Ngene, Kasongo, Republic du Zaire

Prenatal infection
Trypanosoma cruzi, mice, transplacental transmission is dependent upon pathogenicity of parasite strain and phagocytic activity of placenta

Prenatal infection
prenatal toxoplasmosis, human, clinical, diagnostic, and therapeutic aspects, symposium presentation

Prenatal infection
toxoplasmosis, acquired infection in pregnant women, healthy babies born to 2 women in whom disease was detected early in pregnancy and treated, woman with inapparent infection gave birth to infected fatally ill infant

Prenatal infection
Protostrongylus spp., prenatal infection in 4 fetuses of Ovis c. canadensis: Alberta, Canada

Prenatal infection
hydatid cyst, occurrence in a suckling calf (liver), reasonable to assume infection is of prenatal origin

Prenatal infection
toxoplasmosis, survey of pregnant women before and after delivery, non-immune women had more frequent abortions, of women who acquired infection during pregnancy those treated with rovamycine had fewer stillborn infants and infants free of infection than those who received no treatment

Prenatal infection
Gillet, J.; and Herman, F., 1976, Ann. Soc. Belge Med. Trop., v. 56 (3), 143-150
Trypanosoma equiperdum, absence of transplacental passage in mice, comparison of similar results with congenital malaria in mice

Prenatal infection
Plasmodium falciparum, Nigerian woman, severe malarial attack within hours of giving birth to normal twins, at age 2 months one infant developed non-febrile hemolytic anemia resulting from congenital parasitic infection, other infant possibly protected by partial glucose-6-phosphate dehydrogenase deficiency: Switzerland

Prenatal infection
toxoplasmosis and pregnancy, symposium presentation

Prenatal infection
Trypanosoma cruzi, human, congenital Chagas' disease, clinical, pathological, and epidemiological studies on pair of twins, immunofluorescence tests on cord sera were negative for IgM antibodies

Prenatal infection
Jones, M. A.; and Hunter, D. H., 1979, Vet. Rec., v. 104 (23), 529
Toxoplasma gondii, newborn piglet, probable congenital infection although no significant antibody response in dam; diagnosis in piglet by mouse inoculations: United Kingdom
Prenatal infection
Khodr, G.; and Matossian, R., 1978, Obst. and Gynec., v. 51 (1), Suppl. 1, 74s-77s
Toxoplasma gondii, stillborn infant, congenital infection with resulting multiple deformities and hydrops fetalis, case report, demonstration of toxoplasmic antigenic material in fetal and placental tissue using direct immunofluorescence

Prenatal infection
Kimmig, P., 1979, Ztschr. Parasitenk., v. 58 (2), 181-186
Brugia pahangi, cats, transplacental transmission of microfilariae

Prenatal infection
Trypanosoma cruzi, human, prenatal infection which resulted in miscarriage, clinical report: Triangulo Mineiro, Minas Gerais, Brasil

Prenatal infection
Loria Cortes, R.; and Saborio Ruiz, M., 1974, Rev. Columb. Pediat. y Puercicult., v. 28 (6), 409-413
Necator americanus, prenatal infection in 1 month-old infant presenting with intestinal bleeding, successful thiabendazole therapy: Costa Rica

Prenatal infection
Toxoplasma gondii, albino rats, transplacental infection only in offspring of female rats infected during pregnancy, no infection in offspring of female rats infected before pregnancy, offspring protected by mother's infection prior to pregnancy

Prenatal infection
Toxoplasma gondii, human, immune response, risk of congenital infection during pregnancy

Prenatal infection
Mirck, M. H., 1977, Tijdschr. Diergeneesk., v. 102 (17), 1039-1043
Strongyloides westeri, equine, more common in unweaned than in weaned foals, not found in foals reared artificially (worm free), found in milk of mare, no evidence for intrauterine infection, transmammary infection possible

Prenatal infection
Mommier, J. C.; et al., 1975, Rev. Franc. Gynec. et Obst., v. 70 (5), 325-328
Toxoplasmosis, survey of pregnant women using the complement fixation and immunofluorescence tests, those found to have evidence of infection were treated with spiramycin, all had normal deliveries and infants free of infection

Prenatal infection
Toxoplasma gondii, calves (exper.), pregnant cows (exper.), antibody titres measured by indirect fluorescent antibody test and dye test, Toxoplasma reisolated from 3 of the 5 calves, no abortions in pregnant cows and no evidence of infection in their calves, concluded that cattle do not readily acquire persistent T. gondii infections

Prenatal infection
Toxoplasma gondii, cause of perinatal death in goats: Tasmania, southern Australia

Prenatal infection
Toxocara canis, laboratory mouse, fenbendazole and oxfendazole killed larvae in brains and musculature, migratory larvae more susceptible, possible use in preventing pre-natal infection in dogs

Prenatal infection
Nosema cuniculi, Alopex lagopus, clinical signs of nosophagitis in litter after artificial insemination and intrauterine injection of Nosema spores, possibility of transmission from male during mating

Prenatal infection
Philocreon, G. R., 1976, Rev. Goiana Med., v. 22 (3-4), 121-201
Toxoplasma gondii, clinical and serological survey of pregnant women, study of incidence, consequences of latent forms of disease, influential factors as age, race and origin, and relationships between toxoplasmosis and pathologic pregnancies: Golania, Brasil

Prenatal infection
Toxoplasma-cysts, increased perinatal mortality in small flock of dairy sheep: Bodenseekreis

Prenatal infection
acute congenital toxoplasmosis of generalized form diagnosed in infant presenting with severe hemorrhagic syndrome, intense jaundice, and spleno-hepatoemegaly, clinical aspects, 10-month follow-up: Uruguay

Prenatal infection
Shackelford, G. N.; and Kirk, P. R., 1977, Radiology, v. 122 (3), 753-757
congenital toxoplasmosis in twin infants with secondary neonatal hepatic calcification, clinical case reports

Prenatal infection
toxoplasmic retinochoroiditis of possible congenital origin reported in 2 siblings, clinical aspects
Prenatal infection
Stroczynska-Sikorska, M.; and Sikorski, R., 1979, Ginekol. Polska, v. 50 (12), 993-1002
Toxoplasmosis, prophylactically treated-pregnant women, pre- and post-treatment evaluation by complement fixation, determination of pregnancy complications, premature, and stillborn infants: Poland

Prenatal infection
Taenia ovis, eves which had not recently been exposed to T. ovis eggs, experimental infection one month before lambing, no organisms developed in any of their lambs

Prenatal infection
Swift, B. L.; Settlemire, J., jr.; and Thomas, G. M., 1978, Theriogenology, v. 10 (6), 481-485
Anaplasma marginale, pregnant heifers (ex-per.), oxytetracycline hydrochloride, did not abort and transplacental transmission did not occur

Prenatal infection
Frenkelia [sp.] in Clethrionomys glareolus (brain, spinal chord), apparent congenital transmission, epizootiological significance

Prenatal infection
Chagas disease, congenital case report, infant with cardiopathy and esophageal dis-peristalsis from birth: Belo Horizonte, Brazil

Prenatal infection
Human congenital malaria, extensive historical and clinical review, emphasis on possible mechanisms of placentical transmission

Prenatal infection
Trypanosoma brucei rhodesiense, human congenital, fatal infection in mother, infant successfully treated with suramin and mel-H, immunoglobulin levels at diagnosis, during treatment, and post-treatment, case reports: Zambia

Prenatal infection
Trichomonas vaginalis causing enterocolitis in 9-day-old infant, infection thought to have occurred per os during delivery

Prenatal infection
Waage, S., 1977, Norsk Vet.- Tidsskr., v. 89 (10), 637-641
Helminths, domestic animals, prenatal and lactogenic infections, review

Prenatal infection
Toxoplasma gondii, placental transmission in immunised pregnant mice and rabbits, dependent on various factors (host species, state of immunity, Toxoplasma strain); roles of cellular immune defense discussed

Prenatal infection
Toxoplasma gondii, rabbits, humoral and cellular immune response in different stages of pregnancy, no evidence that this immune response has any protective effect on foetus

Preservation. See Freezing: Technique, Specimen preparation and preservation.

Pressure, Atmospheric
Crithidia oncopheli, motile response of flagellum to changes in temperature, pressure, and viscosity of environment, results provide information about mechnochemical cycle which bends flagellum

Professional diseases. See Occupational diseases.

Prostaglandins. [See also Biochemistry; Metabolism]

Prostaglandins
Dutoit, E.; et al., 1979, Ann. Parasitol., v. 54 (4), 465-474
Trichinella spiralis in CBA mice and Wistar rats, influence of prostaglandins and vasactive amines on intestinal phase of experimental infection

Prostaglandins
Hyalomma anatolicum excavatum, synthesis and content of prostaglandins in salivary glands, reproductive organs, and egg-batches, higher in females than males

Proteins. [See also Amino acids; Biochemistry; Metabolism]

Proteins
Taenia crassiceps, mRNA isolated from parasite polysomes directs synthesis of proteins in cell-free heterologous systems which are precipitable by antisera against parasite proteins

Proteins
Berry, C. I.; and Dargie, J. D., 1978, Vet. Parasitol., v. 4 (4), 327-339
Fasciola hepatica, sheep (exper.), pathophysiology: influence of dietary protein and iron on erythrokinetics

Proteins
Bloch, K. J.; et al., 1979, Gastroenterology, v. 77 (5), 1039-1044
Nippostrongylus brasiliensis-infected rats, normal rats, or rats subjected to mild systemic anaphylaxis, intestinal uptake of protein antigen (bovine serum albumin)
Proteins
Bogitsh, B. J.; 1978, Exper. Parasitol., v. 45 (2), 247-254
Schistosoma mansoni, uptake and fate of exogenous hemeproteins (horseradish peroxidase and hemoglobin) by schistosomules maintained in vitro

Proteins
Fasciola hepatica, sheep (exper.) on diets with 2 different levels of protein content, serum protein levels, numbers of worms established and reaching maturity

Proteins
Trichinella spiralis, Alcian blue histochemistry of cyst wall in mice, consists of outer acid mucopolysaccharide layer bound to sulfated collagen

Proteins
Perez, H.; Malave, I.; and Arredondo, B., 1979, Clin. and Exper. Immunol., v. 38 (3), 453-460
Leishmania mexicana, course of infection in normally nourished vs. protein-deficient mice, possible interaction between malnutrition, impairment of immune response, and chronicity of cutaneous leishmaniasis

Proteins
Oesophagostomum dentatum, pigs (exper.) on low-protein diet, blood changes, weight differences

Proteins
Shishova-Kasatochkina, O. A.; and Leutskaya, Z. K., 1979, Biochemical aspects of the interrelationships of helminths and their hosts. Metabolism of proteins, vitamins, and steroids in the process of parasitization, 279 pp., illus.

Proteins
Ascaris suum, adult, protein absorption through mouth only (serum protein, casein, gelatin); addition of intact protein to culture media unnecessary because there is no cuticular absorption and only limited intestinal absorption

Proteins
Ascaridid gas gall in vitro uptake of proteins of differing structure and biological importance; absorption through intestine rather than through cuticle

Proteins
de Souza, W.; et al., 1978, Exper. Parasitol., v. 45 (1), 101-115
Trypanosoma cruzi incorporates exogenous proteins by pinocytosis, pinocytic vesicles can fuse forming multivesicular structures, cell membrane and membranes of pinocytic vesicles and large multivesicular structures contain carbohydrates, many intramembranous particles in cell membrane but few or none in membranes of vesicles and multivesicular structures

Proteins, Host
Dictyocaulus filaria, lambs given irradiated vaccine or non-irradiated larvae, serum protein changes

Proteins, Host
Autuori, M. J., 1979, Experentia, v. 35 (12), 1579-1580
Plasmodium berghei-infected mice, relationship between host erythrocyte mean cytoplasmic protein concentration, reticulocyte response, and percent parasitemia

Proteins, Host
Avet'ianov, A. V.; et al., 1978, Molek. Biol., v. 12 (3), 646-653
Eimeria tenella-infected chicks, relationship between RNA and protein biosynthesis in liver

Proteins, Host
Beier, T. V.; and Sidorenko, N. V., 1972, Parazitologiya, Leningrad, v. 6 (4), 385-390
Haemogregarine-infected erythrocytes of L. saxicola nainrennie, changes in hemoglobin and total protein content

Proteins, Host
Ostertagia circumcincta, sheep infected with larvae stored at low temperature, pathological HT, body weight, blood picture, serum proteins), effectiveness of infection and percent of larvae inhibited in development

Proteins, Host
Bhopale, M. K.; and Johri, G. N., 1979, J. Hyg., Epidemiol., Microbiol. and Immunol., v. 23 (1), 95-103
Ankylostoma caninum larvae in varying doses, albino mice, serum protein pattern, electrophoretic analysis

Proteins, Host
Bhopale, M. K.; and Johri, G. N., 1979, J. Hyg., Epidemiol., Microbiol. and Immunol., v. 23 (1), 95-103
Ankylostoma caninum, mice (exper.), single and repeated exposures, serum protein patterns
Proteins, Host
intestinal parasites, children from Vietnam-Cambodia at and after arrival in Denmark, 
α1-acid glycoprotein, α1-antitrypsin, and ceruloplasmin concentrations, eosinophilia, 
sedimentation rates, effect of T.A.B.-cholera vaccination

Proteins, Host
Trypanosoma brucei in rabbits, fibrin degradation products in urine, possible mechanisms of 
renal damage

Proteins, Host
Brockelman, C. R., 1978, Ztschr. Parasitenk., v. 57 (2), 137-144
Angiostrongylus cantonensis-infected Achatina fulica, effects of parasitism and stress on 
hemolymph protein

Proteins, Host
Anaplasma marginale, splenectomized and intact calves (exper.), changes in serum 
total lipid, lipoprotein, and serum proteins during infection and recovery

Proteins, Host
Chakrabarti, A.; and Chaimanee, P.; and Yuthavong, Y., 1979, Biochem. and Biophys. Research Commun., v. 87 (3), 953-959
Plasmodium berghei-infected mouse red cells, phosphorylation of membrane proteins, different pattern from normal membrane

Proteins, Host
Demodex spp., elevation of both beta and gamma globulin values in chronically infected dogs whereas only beta globulin values elevated in cattle

Proteins, Host
snail defense mechanisms, Biomphalaria glabrata challenged with bacteria, significant elevations in levels of total serum proteins, levels of lysozyme activity not altered possibly due to age of snails

Proteins, Host
protein-losing enteropathy in children including parasitosis (hookworm, ameba, schistosomiasis, filariasis, ascaris, trichuriasis), case reports involving Trichuris trichiura and Ascaris: Miami, Florida

Proteins, Host
Trypanosoma brucei-infected rabbits, quantitation of acute phase serum protein Cx-reactive, effect of anti-inflammatory drug treatment

Proteins, Host
Trichostrongylus colubriformis-infected sheep, immunoglobulin metabolism, concluded that increased synthesis of IgG, in resistant sheep continually exposed to T. colubriformis occurs as result of antigenic stimulation rather than as consequence of increased loss of plasma into intestine

Proteins, Host
Nippostrongylus brasiliensis infections in protein-deficient rats have important effects on pathophysiological changes usually ascribed to nature of diet, significant hematologic differences and changes in protein distribution as compared to uninfected rats fed ad lib or pair-fed on same protein-deficient diet

Proteins, Host
Dargie, J. D.; and Berry, C. I., 1979, Internat. J. Parasitol., v. 9 (1), 17-25
Fasciola hepatica, sheep, development of hypoalbuminemia during course of primary infection, accompanying changes in albumin metabolism, influence of protein intake

Proteins, Host
Dey-Hazra, A.; et al., 1979, Vet. Parasitol., v. 5 (4), 359-351
Strongyloides ransomi-infected piglets, protein synthesis changes in liver, glutathione status of liver, electrolyte concentrations in plasma, erythrocytes, and in different organs, plasma enzyme activities

Proteins, Host
Dhar, S.; and Gautam, O. P., 1979, Indian J. Animal Sc., v. 49 (7), 511-516
Theileria annulata, changes in serum proteins in cattle (exper.) with acute and chronic infections

Proteins, Host
Trypanosoma brucei subspp., comparative immunological analysis of host plasma proteins bound to bloodstream forms (presence, location, host specificity, identity, and quantity)

Proteins, Host
Diffley, P.; and Honigberg, B. M., 1978, J. Parasitol., v. 64 (4), 674-681
Trypanosoma congolense, identification and quantitation of host albumin, nonspecific IgG, and complement (C3) bound to surface of bloodstream forms, possible functions for these surface-bound plasma proteins

Proteins, Host
Fasciola hepatica, sheep (exper.) on diets with 2 different levels of protein content, serum protein levels, numbers of worms established and reaching maturity
Proteins, Host
Ascaridia galli, chicks (exp.), negative influence on level of free plasma amino acids, aspartate and alanine aminotransferase activities in host chick serum, single invasion failed to influence serum protein level or weight increase in chicks kept under hygienic conditions

Proteins, Host
Dunn, M. A.; et al., 1978, Gastroenterology, v. 75 (6), 1010-1015
Schistosoma mansoni, conversion of arginine (but not glutamic acid) to proline in normal and fibrotic mouse liver slices and in living mice with schistosomiasis, arginine-derived proline was utilized for liver collagen synthesis, possible pathophysiological significance

Proteins, Host
Dunn, M. A.; et al., 1979, Gastroenterology, v. 76 (5, pt. 1), May, 978-982
Schistosoma mansoni, human, collagen synthesis rates in fibrotic liver specimens, liver free-proline content and utilization of proline precursors

Proteins, Host
Schistosoma mansoni, total proteins and free amino acids in hemolymph of Biomphalaria alexandrina and Helisoma duryi pre- and post-exposure to miracidia

Proteins, Host
Galhotra, A. P.; et al., 1979, Indian Vet. J., v. 56 (6), 466-469
Anaplasma marginale, splenectomized calves (exp.), blood proteins, bilirubin and icterus index, bone marrow changes

Proteins, Host
Babesia argentina, acute cattle infection, cryofibrinogen complex in plasma contained proteins from erythrocytes and parasites plus fibrinogen and related proteins; analysis made using rabbit antiserum against fractions of complex

Proteins, Host
Babesia bovis-infected splenectomized and intact calves, changes in fibrinogen, plasminogen, and IgG in saline eluates from sucrose-washed erythrocytes and in plasma, relationship to coagulation, fibrinolysis, and blood agglutination

Proteins, Host
Goodger, B. V.; et al., 1978, Ztschr. Parasitenk., v. 58 (1), 3-13
Babesia bovis (argentina)-infected calves, cryofibrinogen complex in plasma, characterization, contribution to pathophysiology

Proteins, Host
Goodger, B. V.; and Wright, I. G., 1977, Ztschr. Parasitenk., v. 53 (1), 53-61
Babesia bigemina, acute cattle infection, plasma contains fibrin in monomer and high molecular weight forms, fibrinogen degradation products not constantly detected, little or no evidence suggesting fibrinolysis or fibrin deposition; suggested that classic disseminated intravascular coagulation not present in B. bigemina infection

Proteins, Host
Gordon, R.; et al., 1978, Parasitology, v. 77 (3), 367-374
Neomesembrinus flumenalis in Prosimulium mixtum/fuscum and Simulium venustum, effects of parasitism on hemolymph composition (protein, amino acid, carbohydrate), relation to nematode's nutritional requirements

Proteins, Host
Leishmaniasis, dogs, serum protein changes

Proteins, Host
Echinostoma revolutum, chickens, ducklings, mice, blood cell counts, hemoglobin picture, serum total proteins and their electrophoretic patterns, clinical pathology: Egypt

Proteins, Host
Herrero, C.; Arroyo, M.; and Vasallo, F., 1976, Rev. San. e Hig. Pub., v. 50 (7-8), 713-727
Trichinella spiralis, biochemical alterations in parasitized rats, findings of decrease in albumin, increase in alpha and beta globulins and in serum potassium

Proteins, Host
Echinococcus multilocularis, HH vs. S strain, mice treated with fenbendazole as emulsion or in feed, serum protein values, compared with untreated and with uninfected mice

Proteins, Host
Horton, G. M. J., 1977, J. Animal Sci., v. 45 (6), 1453-1457
Trichostrongylus colubriformis, lambs (exp.), feed utilization, calcium and phosphorus metabolism and serum protein fractions, before and after treatment with thiabendazole

Proteins, Host
Human trichinelllosis, changes in white blood cell system and protein alterations in the course of infection

Proteins, Host
Ostertagiasis, calves, serum levels of immunoglobulins, albumin, total protein, and pepsinogen
Proteins, Host
Trichosontriglyasus colubriformis, guinea pigs, primary and secondary infections, skeletal muscle protein catabolism with uninfected animals fed quantitatively reduced rations, catabolism which was depressed in all 3 groups was directly related to fall in food consumption

Proteins, Host
Kameswari, M.; Ramulu, G. R.; and Rao, L. N., 1979, Indian J. Exp. Biol., v. 17 (9), 976-979
helmint-infected Rana tigerina, macromolecular changes in liver

Proteins, Host
Trichinella spiralis, humans, differential diagnostic difficulties, analysis of cases showed a predominance of allergic symptoms in the early stages of infection and protein deficiency in late stages as the 2 most confusing diagnostic presentations

Proteins, Host
Khafagy, E. Z.; et al., 1976, Egypt. J. Biol. Harz., v. 3 (2), 199-212
human schistosomiasis, significance of alterations in urinary leucine aminopeptidase in various stages of infection in the presence and absence of hepatic involvement and in bladder cancer of schistosomal origin, correlation of findings with the presence of proteins in urine, possible application to diagnosis

Proteins, Host
Khovanetskikh, A. E.; and Kuznetsova, N. A., 1975, Parazitologiia, Leningrad, v. 9 (1), 77-81
Eimeria tenella-infected chickens, intensity of C^-glycine inclusion into proteins of various organs, changes in total proteins and gamma-globulin in blood serum, correlation between increased biosynthesis of proteins in immunocompetent organs and increase in gamma-globulin in blood serum

Proteins, Host
strongyloidiasis, lambs, protein fractions of blood in periods of invasion, superinvasion, after dehelmintization, and reinvasion

Proteins, Host
human hepatic amoebiasis, alpha-feto-protein present in serum of 45 infected patients; this normally fetal protein possibly present because of regenerating liver tissue

Proteins, Host
Lal, A. A.; and Garg, N. K., 1979, Exper. Parasitol., v. 48 (3), 331-336
Hartmanella culbertsoni, meningoencephalitic mice, biochemical changes in brain

Proteins, Host
Plasmodium vivax, man, transient an-alpha-lipoproteinemia during infection, lipid electrophoresis a sensitive test for diagnosis

Proteins, Host
[Schistosoma] mansoni, human hepatosplenic form, absorption of fibrinogen does not differ from that of normal persons

Proteins, Host
Ascaridia galli-immunized chickens with vitamin A deficiency, lipoprotein and glycoprotein fractions of serum

Proteins, Host
Cryptobia salmositica in Salmo gairdneri (exper.), plasma glucose and proteins and haematocrit levels during course of infection, changes produced in host metabolism will undoubtedly affect host growth and population size

Proteins, Host
Plasmodium vivax in 33-year-old non-immune patient being treated with chloroquine, changes in serum lipoproteins

Proteins, Host
human acute falciparum malaria, changes in serum protein patterns studied using polyacrylamide gel electrophoresis, other blood biochemical parameters

Proteins, Host
amoebic liver abscess, humans, serum protein patterns compared with those of patients with primary hepatoma using electrophoresis and immunoelectrophoresis, value in differentiating conditions

Proteins, Host
Eimeria tenella, E. mitis, chickens, serum protein changes over course of infection

Proteins, Host
Strongyloides, calves (Holstein x Zebu, exper.), electrophoresis of serum protein (total and fraction) changes

Proteins, Host
Pappas, P. W., 1978, J. Parasitol., v. 64 (2), 265-272
Plasmodium microstoma-infected mice, biochemical alterations in liver, spleen, small intestine, and bile ducts, data indicate that all organs undergo significant and that depletion of collagen does make significant contribution to process of organ growth
Proteins, Host
Microphalus spp.-infected vs. uninfected Littorina saxatilis tenebrosa var. similis, protein fractions in haemocoelic fluid as revealed by electrophoretic examination, possible association with immunity

Proteins, Host
Strongylos vulgaris, ponies (exper.), changes in serum proteins, increased IgT concentration, repeated exposure to small doses of larvae resulted in a significant degree of acquired resistance against a challenge dose

Proteins, Host
Dictyocaulus filaria, lambs infected with 1st, 2nd, or 3rd stage larvae administered by various routes and then reinfected with infective larvae, blood counts, serum proteins, antibody production, worm elimination

Proteins, Host
Oesophagostomum dentatum, pigs (exper.) on low-protein diet, blood changes, weight differences

Proteins, Host
Dicrocoelium lanceolatum, Echinococcus granulosus, sheep, changes in serum enzymes and proteins and blood bilirubin and cholesterol

Proteins, Host
Rhodes, M. B.; et al., 1978, Exper. Parasitol., v. 45 (2), 255-262
Ascaris suum-immunized pigs, specific antibodies in isolated intestinal loop washings, identification of other proteins present in these washings

Proteins, Host
trypanocidal factor in normal human serum is associated with high density lipoprotein (HDL), comparison of susceptibility of Trypanosoma brucei and T. rhodesiens to lysis by human serum and human HDL

Proteins, Host
Hypodermia bovis, pathogenesis in cattle, content of sialic acid, properdin, and proteins in blood serum during course of complete cycle of infection

Proteins, Host
Anaplasma marginale, cattle (exper.), conglutinin, immunoconglutinin, and complement levels in peracute and acute stages of infection, study of disease process, possible improvement of card agglutination test

Proteins, Host
Plasmodium knowlesi, surface properties of normal rhesus monkey erythrocytes and of infected erythrocytes, externally disposed protein used as probes of surface changes, pigment-free preparation of membrane proteins obtained, possible application in preparing specific antigens

Proteins, Host
Sherman, I. W.; and Jones, L. A., 1979, J. Protozool., v. 26 (3), 489-501
Plasmodium lophurae, membrane proteins of erythrocyte-free plasmodia and malaria-infected red cells

Proteins, Host
Viviparus contextus males infected with Neocanthoparyphium metacercariae and females infected with Cercariae, changes in blood proteins, agar gel electrophoresis

Proteins, Host
Trichostrongylus colubriformis, guinea pigs with light to heavy infections, relationships between fall of food consumption and changes of body mass and skeletal muscle and liver protein synthesis

Proteins, Host
Takhar, B. S.; and Farrell, D. J., 1979, Brit. Poultry Sc., v. 20 (2), 197-211
Eimeria acervulina- or Eimeria tenella-infect ed chickens, energy and nitrogen metabolism

Proteins, Host
Trypanosoma cruzi, children with apparent vs. inapparent acute Chagas' disease, clinical and laboratory findings, humoral antibody response, delayed-type skin responses, inhibition of leucocyte migration, serum proteins and immunoglobulins; demonstration of cell-mediated immunodepression in inapparent acute disease
Proteins, Host
Williams, R. E.; Hair, J. A.; and McNew, R. W., 1978, J. Parasitol., v. 64 (2), 336-342
Amblyomma maculatum on pastured Hereford steers, effects of tick infestation on blood composition and weight gain

Proteins, Host
Anaplasma marginale, Bos indicus cross steers (exp.), effects of reduced energy intake on humoral antibody response, parasitaemia, body weight, packed cell volumes, and plasma protein values

Proteins, Host
Paramphistomum sp., lambs (exp.), pathogenic effect on blood values, amino-transferases, alkaline phosphatase, minerals in blood serum

Proteins, Host
Toxocara canis and Ascaris suum infections compared, rabbits, monkeys, description of infection, haematological response, serum proteins, skin test with T. canis antigen

Proteins, Parasite
Ascaris suum, free amino acids and proteins in pseudocoelom, seminal vesicle, and glandular vasa deferens

Proteins, Parasite
Taenia crassiceps, mRNA isolated from parasite polysomes directs synthesis of proteins in cell-free heterologous systems which are antigenically different but bear common allergenic epitopes, development of new immediate hypersensitivity reaction test

Proteins, Parasite
Amos, W. B.; et al., 1979, J. Cell Sc., v. 35, 139-164
Trichomonas spp. from termites, costa: bending waves, birefringence, structure, composition (proteins, ATPase), results indicate type of motile system distinct from any hitherto described

Proteins, Parasite
Schistosoma mansoni, biochemical basis of continuous copulation: male worm retains little of protein it produces in greatest abundance and this protein is electrophoretically identical to most abundant protein found in, but not synthesized by, the female

Proteins, Parasite
Oedemagena tarandi, 2nd and 3rd instar larvae, content of water, dry matter, fat, glycogen, total nitrogen, and protein, dynamics of accumulation and consumption of these energy reserves
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Trypanosoma lewisi, histones from nuclei
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tion of polypeptides from pericentral, testis,
semen, and uterine fluids; comparison of
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larity; effects of seminal and uterine fluids
on spermigenesis

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Trypanosoma evansi, 10 isolates compared,
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crystallinogen complex in plasma contained
proteins from erythrocytes and parasites
plus fibrinogen and related proteins; anal-
ysis made using rabbit antisera against
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cuticle, protein composition and analysis

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for radioisotope labeling of surface proteins
from adult worms, partial characterization
of surface antigens

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immunoprecipitation with infected serum,
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host's cell for protein synthesis

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effect and immunity can be passively trans-
ferred with serum

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Ascaris suum, Contracum aduncum, maintenance in various protein solutions, effect on amino acids in body fluid and on end products of protein metabolism

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Trypanosoma congoense, characterization of surface coat, single specific glycoprotein as surface antigen, overall similarities with surface coat of T. brucei

Proteins, Parasite
Entamoeba histolytica (two strains), E. invadens, E. moshkovskii, proteins analyzed by disc electrophoresis and immunodiffusion, suggests use as taxonomic criterion

Proteins, Parasite
Trypanosoma cruzi, cytotoxicity of normal rat spleen cells to antibody-coated epimastigotes studied by assaying release of tritium-labelled RNA, DNA, and protein

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Proteins, Parasite
Crithidia oncopelti, acrilavine, effect on structure of kinetoplast, kinetoplast DNA, protein synthesis in kinetoplast and cytoplasmic ribosomes; suggests that information required for synthesis of kinetoplast ribosomes is contained in kinetoplasts
Proteins, Parasite
Ascaris suum, Ascaridia galli, Contracecium aduncum, urease activity and ureogenesis in relation to class of host, analogy between some specific metabolic processes of the host and its parasite

Proteins, Parasite
Trypanosoma cruzi epimastigotes, method of isolation of plasma membrane vesicles, general analysis of their properties, protein and carbohydrate content, antigenicity

Proteins, Parasite
Lytocestus indicus, Duthiersia fimbriata, Raillietina echinobothridia, water and protein content

Proteins, Parasite
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importance of parasitosis of Canis familiaris in public health, infections common to both dog and man

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Public health

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Public health

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Queensland. See Australia, Queensland.
RNA. See Nucleic acids.

Racial stocks. See Ethnic groups and racial stocks.

Radiation. [See also Autoradiography; Radioisotopes]

Radiation
Entamoeba histolytica strains from patients and from carriers, increase in infection rate and extent of pathological changes in irradiated vs. nonirradiated rats

Radiation
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Radiation
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Radiation
Helminth eggs and coccidia oocysts, effect of ultraviolet rays

Radiation
Schistosoma mansoni, influence of gamma radiation on egg hatching, penetration power and development of miracidia in Biomphalaria glabrata, attempted immunization of snails with irradiated miracidia was unsuccessful

Radiation
Eimeria tenella, irradiation of oocysts with gamma-rays reduced number of viable sporozoites rather than attenuating the parasite

Radiation
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Radiation
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Radiation
Ctenocephalides felis and Xenopsylla cheopis, response to electromagnetic radiation of 300-700 nm (intensity, light versus dark, light comparison, and color vision tests), C. felis is photopositive, X. cheopis is photonegative

Radiation
Echinococcus granulosus, effect of Co irrad. on cyst development, encysting capacity inhibited by 25,000 and 100,000 R

Radiation
Schistosoma mansoni, in vitro derived schistosomula attenuated by x-irradiation, infectivity and immunizing potential, mice
Radiation
Neoplectana carpopacaeae infective-stage juveniles, ultraviolet radiation and sunlight as factors affecting effectiveness as biological control agent, reduced pathogenicity and inhibition of nematode reproduction and development in Galleria mellonella larvae (exper.)

Radiation
Neoplectana carpopacaeae, gamma-irradiation at various doses caused 4 directly harmful effects: death, loss of pathogenicity, maturation inhibition, and sexual sterility

Radiation
Spironucleus muris, X-irradiated rats, ultrastructural changes in intestinal epithelium, no evidence of phagocytosis by Paneth cells

Radiation
gamma-irradiated metacercariae of Cercariae indicae XXVI, failure to infect lamb

Radiation
Babesia, Theileria, radiation and isotopic techniques in study and control of piroplasms of cattle, review

Radiation
Vairimorpha necatrix (potential biological control agent), survival (infectivity) of spores exposed to sunlight, ultraviolet radiation, and high temperature, laboratory and field tests

Radiation
Hyalomma asiaticum, Cimex lectularis, locomotor responses under influence of electromagnetic fields of differing frequencies and intensities

Radiation
Heterakis gallinarum, Ganguleterakis spumosa, ionizing radiation of eggs, effect on embryonic and postembryonic development and radiosensitivity through four generations

Radiation
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Radiation
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Radiation
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Radiation
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Radiation
Trypanosoma equiperdum, laboratory animals, treatment with irradiation (association of electromagnetic waves and magnetic field), immune response

Radiation
Trypanosoma equiperdum, immunodepressed mice cannot be cured by treatment with an association of electromagnetic waves and a magnetic field

Radiation
Trypanosoma equiperdum, mice, influence of host age on effectiveness of stimulation of its defenses by electromagnetic radiation, mature immune system is required

Radiation
Ascaridia galli, effect of ultraviolet rays on egg development

Radiation
Ascaridia galli, effect of X-irradiation on development, varied dose and time of irradiation

Radiation
Trypanosoma cruzi, effect of radiation on morphology, motility, reproduction, virulence and immunization potential

Radiation
Schistosoma mansoni, migration pattern and lung stage recovery of irradiated and cobalt 60-irradiated schistosomes in nonimmunized mice and of challenge schistosomes in mice immunized with cobalt 60-irradiated cercariae
Radiation
Heterakis gallinarum, Gangulaterakis spumosa, sensitivity of eggs to Roentgen rays

Radiation
Syngamus trachea, ionizing radiation of eggs of four successive generations, effect on development, reduced reproductive capacity

Radiation
Litomosoides carinii, quantitative transmission to un-irradiated and irradiated golden hamsters and white mice, both species highly susceptible but mice were noor hosts, some age resistance or young susceptibility in hamsters, duration and intensity of microfilaraemia higher in hamsters

Radiation
Entamoeba histolytica, human, comparative survey, conventional medications vs. radiation therapy

Radiation
Strongyulus vulgaris, ponies (exper.), demonstration of early vascular changes by arteriography; attempt to implant a catheter permanently in femoral artery to obviate repetition of surgery in production of a series of radiographs

Radiation
Strongyloides papillosus, effect of various doses of ultraviolet radiation on infective larvae

Radiation
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Radiation
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Schistosoma incognitum, histopathology following exposure to normal vs. irradiated cercariae

Radiation
Dirofilaria immitis, dogs (exper.), scintigraphic evaluation of pulmonary perfusion

Radiation
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Ascaris suum, Stephanurus dentatus, effect of ultraviolet radiation on infective stages, comparison with previously published results for other parasitic nematodes, ultraviolet susceptibility related to life cycle (those with need for sheltering of infective stages vs. preparasitic stages exposed to relatively large amounts of sunlight)

Radiation
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Lambia muris, Trichomonas muris, Octomitus muris, localization in white mice exposed to x-irradiation

Radiation
Entamoeba histolytica-infected rats pre-treated with corticosteroids, irradiation or both, exacerbation of amoebic pathology, corticosteroid therapy possibly aggravates otherwise sub-clinical infection

Radiation
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Helminth eggs, coccidia oocysts, disinfection of manure with penetrating electron radiation, dosages necessary

Radiation, X-ray diagnosis. See Diagnosis.

Radiation-attenuated vaccines. See Immunization.

Radioactivity. See Radiation; Radioisotopes.

Radioautography. See Autoradiography.

Radioimmunoassay. See Immunity, Radioimmunoassay.

Radioisotopes. [See also Autoradiography; Radiation; Tagging]

Radioisotopes
Haematobia irritans and Stomoxys calcitrans fed 32P-labelled food source to find evidence of mechanisms for transfer of pathogens via contamination of mouthparts, regurgitation, salivation, or defecation

Radioisotopes
Diplostomum spathaceum, Hypodermaeum conoidaeum, Plagiorchidae sp., Notocotylus attenuatus, labelling cercariae with radioactive iodine for other parasitic nematodes, ultraviolet doses necessary applications of technique; labelled H. conoidaeum for radioisotope assay of host-finding by measuring snail-bound radioactivity in Helisoma duryi after exposure to cercariae
Radioisotopes
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Schistosoma mansoni, evaluation of techniques for radioisotope labeling of surface proteins from adult worms, partial characterization of surface antigens

Radioisotopes
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Schistosoma mansoni, antigenicity of radio-labeled surface proteins from adult worms, immunoprecipitation with infected serum, cross-reaction with anti-Schistosoma haematobium and anti-Schistosoma japonicum serum

Radioisotopes
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Trypanosoma brucei, method of labelling with [75Se]-methionine, suitability for in vivo studies of immunological clearance, liver found to be principal site of phagocytosis in immune mice; method equally applicable to T. congolense

Radioisotopes
Babesia, Theileria, radiation and isotopic techniques in study and control of piromasplas of cattle, review

Radioisotopes
Plasmodium berghei, methods for obtaining radioactive labelled parasites during sporogony in Anopheles atroparvus (exper.), technique for study of relapse phenomena

Radioisotopes
Kassim, O. O.; and Richards, C. S., 1979, J. Invert. Path., v. 35 (3), 385-386
Schistosoma mansoni, radioisotope labeling for differentiating between strains in individual Biomphalaria glabrata snails

Radioisotopes
radioisotope use in medical parasitology, literature review

Radioisotopes
Ixodes persiculatus, radioisotope tagging, comparison of two techniques

Radioisotopes
Toxoplasma gondii, new method to evaluate capacity of monocytes and macrophages to inhibit multiplication of or kill an intracellular pathogen, involves measurement of incorporation of 3H-thymidine into parasite nucleic acids, adaptation of method to micro-system

Radioisotopes
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Megalodiscus temperatus adults in Rana pipiens, timing stages of spermatogenesis, inseminative behavior, techniques used include labelling of spermatogonial cells with NaH-adenosine, method for transplanting worms to frogs, and autoradiography

Radioisotopes
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Radioisotopes
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Trypanosoma congolense, radio-labelled diazonobenzensulfonate as marker for cell surface proteins, results indicate that surface coat is homogeneous layer composed of molecules of one type of protein

Radioisotopes
Schistosoma mansoni, scintillomicroscope for radioactive tracer detection compared with conventional autoradiographic techniques, application of scintillomicroscope to 14C detection in parasites

Radioisotopes
Trypanosoma brucei, new radioisotope assay for quantitating cell lysis, used to quntitate trypanocidal activity in normal human serum

Radioisotopes
Trypanosoma cruzi, cytotoxicity of normal rat spleen cells to antibody-coated epimastigotes studied by assaying release of tritium-labelled RNA, DNA, and protein

Radioisotopes
Permacentor andersoni, population dynamics and host utilization of immature stages, abundance measured by release and recapture of radioisotope-tagged ticks: western Montana

Radioisotopes
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Trypanosoma musculi, absence of 31Cr binding to bloodstream trypomastigotes

Radioisotopes
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Strongyloides ratti, tracking radioactive larvae in virgin female rats, nursing mothers, and suckling pups
Rearing. See Culture; Technique.

Rearing, Arthropoda. See Technique, Rearing, Arthropoda.

Recovery of parasites. See Technique, Parasite collection and recovery.

Rectum. See Intestine.

Reproduction. [See also Gametogenesis; Growth; Mitosis; Parthenogenesis; Sex and parasitism]

Reproduction, Host

Reproduction, Host
Anthony, D. W.; Lotzkar, M. D.; and Avery, S. W., 1978, Mosquito News, v. 38 (1), 116-121 Nosema algerae, infection rates, reproductive capacity, and longevity of Anopheles albimanus exposed at each larval instar, results indicate that introduction of N. algerae into natural A. albimanus populations of mixed larval instars could significantly reduce number and fertility of mosquito eggs

Reproduction, Host

Reproduction, Host
Armstrong, R. M., 1978, Ztschr. Parasitenk., v. 58 (1), 35-39 Nosema whitei, effects on fecundity of Tribolium castaneum when exposed before mating, after mating, and as larvae

Reproduction, Host

Reproduction, Host

Reproduction, Host

Reproduction, Host

Reproduction, Host
Castro, S. D., 1976, J. Med. Entom., v. 13 (3), 357-360 Syringophiloides minor, population development in juvénal and nuptial plumes of Passer domesticus, winter dispersal, dispersal into unoccupied coverts of adult birds not observed, effect of dispersal on population composition, population dynamics in the 2 plumes

Reproduction, Host
Chastel, C.; et al., 1977, Semaine Hop. Paris, v. 53 (18-19), 1059-1066 immunological status of women with regard to the Torch complex (toxoplasmosis, rubella, cytomegalovirus and herpes) surveyed, need for continued serologic surveillance during pregnancy

Reproduction, Host
Couch, J. A.; and Rosenfield, A., 1968, Proc. 1967 National Shellfish Ass., v. 54, 51-59 Minchicia nelsoni and M. costalis in Crassostrea virginica introduced from non-infected area, incidence, annual and seasonal prevalence, mortality, sporulation, effect on host reproductive capacity, comparison with Delaware and lower Chesapeake Bays, practical implications for manipulation of introduced oysters: Chincoteague Bay, at Franklin City, Virginia

Reproduction, Host

Reproduction, Host
DeVaney, J. A., 1978, Poultry Science, v. 57 (5), 1189-1191 Ornithonyssus sylviarum, White Leghorn hens (exper.), infestation lowered egg production but did not affect egg fertility or hatchability when these hens were artificially inseminated with semen from nite-infested roosters

Reproduction, Host
Falcone, I.; Wanick, M. C.; and do Nascimento, R., 1975, Rev. Brasil. Clin. e Terap., v. 4 (6), 229-232 human vaginal trichomoniasis, use of clotrimazole to treat pregnant women, drug efficacy of over 93%

Reproduction, Host

Reproduction, Host
Reproduction, Host
Fine, P. E. M., 1979, J. Parasitol., v. 65 (2), 320-321
Heterakis gallinarum, egg output of Parahistomonas venrici-infected and uninfected strains, difference not statistically significant.

Reproduction, Host
Foxley, R., 1974, Rev. Chilena Obst. y Ginec., v. 39 (3), 83-86
Trypanosoma cruzi, survey of infertile women showed that Chagas disease was an uncommon cause of reproductive problems: Chile.

Reproduction, Host
toxoplasmosis, Asian women especially Malays, high infection rate, high rates of abortion, congenital anomalies, and low birth-weight infants, possible relationships: Singapore.

Reproduction, Host
Freier, J. E.; and Friedman, S., 1976, J. Invert. Path., v. 28 (2), 161-166
Aedes aegypti feeding on Plasmodium gallinaeum-infected chickens: take less blood and lay fewer eggs, mean number of infective larvae on uninfected hosts in inverse correlation with degree of parasitemia, and ingest blood in amounts directly proportional to amount of time spent on hosts (whereas there is no relationship between host contact and blood meal size when feeding on uninfected hosts); infected chickens are less attractive to mosquitoes than uninfected chickens.

Reproduction, Host
bilharzia, humans, incidence of Fallopian tube infections, possible role as etiologic factor in ectopic pregnancy and salpingitis, tubal infection does not present typical clinical picture for diagnosis.

Reproduction, Host
Brugia pahangi, significant correlation between density of microfilariae on which Aedes aegypti feed and mean number of infective larvae produced per mosquito, and mean number of basal follicles developed per female.

Reproduction, Host
Eimeria spp., rabbits, cyclical variations in excretion of fecal oocysts, seasonal effects, effect of pregnancy, parturition, and lactation, removal of mother from litter, infection of litters, relationship between maternal coccidial levels and those in the young, performance.

Reproduction, Host
Gelle, P.; et al., 1975, Rev. Franc. Gynec. et Obst., v. 70 (5), 329-333
toxoplasmosis, survey of pregnant women before and after delivery, non-immune women had more frequent abortions, of women who acquired infection during pregnancy those treated with rovamycine had fewer stillborn infants and infants free of infection than those who received no treatment.

Reproduction, Host
Crassicauda grampicola in Lagenorhynchus acutus (mammary glands), probable life cycle, high incidence and severity of lesions have possible influence on reproductive success of the herd: stranded at Lingley Cove, Edmunds, Maine.

Reproduction, Host
intestinal amoebiasis in pregnant women, diagnostic difficulties, evidence of increased virulence and appearance of severe complications, clinical review of 6 cases: Colombia.

Reproduction, Host
Choriotes bovis, sheep, seasonality, pathogenicity, intra-flock transfer, analysis of semen quality of rams with scrotal lesions: [New Zealand].

Reproduction, Host
mermithids in Aedes caballus, sex of parasite, host fecundity, possible biological control: near Bloemfontein, Orange Free State.

Reproduction, Host
toxoplasmosis and pregnancy, symposium presentation.

Reproduction, Host
Ilja, W.; et al., 1974, Rev. Cubana Cirug., v. 15 (2), 279-288
Toxoplasma gondii, epidemiologic and immunodiagnostic survey of 131 pregnant women for evidence of infection or pathologic pregnancies.

Reproduction, Host
parasitic infestations in women using different types of contraceptive devices compared with women using no devices and with males, results correlated with haemoglobin levels of all groups, only malarial of anaemia-inducing infections occurred with significant variation, course of infections may be enhanced by presence of contraceptives.

Reproduction, Host
fleas, survey of nests of Peromyscus leucopus, data for some species on seasonal occurrence, sex ratio, abundance in relation to host sex and nesting activity: southwestern Wisconsin.

Reproduction, Host
malaria, epidemiological aspects, symposium presentation: failure of eradication programs; malaria in pregnancy; interaction between parasite and human erythrocyte.
Reproduction, Host  
May, R. M.; and Anderson, R. M., 1978, J.  
Animal Ecol., v. 47 (1), 249-267  
Dynamics of model host-parasite associations, factors that tend to have a destabilizing influence: parasite induced reduction in host reproduction; effects of parasites reproducing directly inside their host; effects of time delays in parasite reproduction and transmission

Reproduction, Host  
Michel, J. F.; Lancaster, M. B.; and Hong, C., 1979, Parasitology, v. 79 (1), 157-168  
Ostertagia ostertagi, cattle, effect of age, previous experience of infection, pregnancy, and lactation on resistance to establishment of worms, rate at which populations are turned over, and arrested development

Reproduction, Host  
Vascular lesions in testes of 40 of 41 infertile males with olosporina postulated to be result of repeated formation and deposition of circulating immune complexes, antigens could be of various origins including living or dying parasites, evidence of parasitic testicular involvement (possibly filaria) in 2 cases: Cameroon

Reproduction, Host  
Toxoplasmosis, sheep, cause of abortion, still-birth, fetal mummification, retained placentas, and lung disturbances in new-born lambs, preventive vaccination discussed

Reproduction, Host  
Fasciola hepatica, dairy heifers (exper.), production and performance (growth, gestation period, conception rate, calf birthweights, milk production)

Reproduction, Host  
Okhotina, M. V.; and Nadtochy, E. V., 1970, Acta Parasitol. Polon., v. 18 (1-12), 81-84  
Manramindula asperocutis infection exerts limiting effect on population of Sorex spp. because infected female hosts do not produce milk and their offspring therefore perish

Reproduction, Host  
Palmer, T. T., 1978, J. Parasitol., v. 64 (3), 495-496  
Plasmodium berghei, rats, effect of primary patent infection during pregnancy upon course of infection and humoral antibody response in offspring, passive transfer of protective antibody through milk, in utero sensitization by soluble malaria antigens may also exert protective effect

Reproduction, Host  
Ixodes ricinus, economic effect of ticks and louse-borne diseases on sheep and gorse, Lagopus lagopus scoticus, reduction in reproduction of gorse: Moray; Central Perthishire

Reproduction, Host  
Philocroon, G. R., 1976, Rev. Goiana Med., v. 22 (3-4), 121-201  
Toxoplasma gondii, clinical and serological survey of pregnant women, study of incidence, consequences of latent forms of disease, influential factors as age, race and origin, and relationships between toxoplasmosis and pathologic pregnancies: Goiana, Brasil

Reproduction, Host  
echinococcosis, female sheep (exper.), influence on fertility

Reproduction, Host  
Reproductive pattern of 4 genetic varieties of Biomphalaria glabrata compared in order to assess fecundity

Reproduction, Host  
Trypanosoma brucei gambiense-infected wild and laboratory Micropterus montanus males, organ weights, parasite stress as cause of enlarged spleens and smaller gonads, splenomegaly can be used as survey marker to determine extent of parasitism in field populations, reduced reproductive potential suggests that parasitism plays role in limiting host population density: Jackson Hole, Wyoming

Reproduction, Host  
Seed, J. R.; et al., 1978, Am. Midland Nat. List, v. 100 (1), 126-134  
Trypanosoma brucei gambiense-infected wild and laboratory Micropterus montanus males, organ weights, parasite stress as cause of enlarged spleens and smaller gonads, splenomegaly can be used as survey marker to determine extent of parasitism in field populations, reduced reproductive potential suggests that parasitism plays role in limiting host population density: Jackson Hole, Wyoming

Reproduction, Host  
Cuterebra larvae in Peromyscus maniculatus (exper.), significant reduction in gonad weights and breeding success

Reproduction, Host  
Sosnina, E. F.; and Davydov, G. S., 1975, Parasitologia, Leningrad, v. 9 (2), 183-189  
Neohaeamotinus palaearcticus infection exerts pathologic pregnancies: Goiania, Brasil

Reproduction, Host  
Stanislawski, E.; and Becker, W., 1979, Comp. Biochem. and Physiol., v. 63A (4), 527-533  
Biomphalaria glabrata, influences of semi-synthetic diets, starvation, and Schistosoma mansoni infection on metabolism (using criteria of egg-laying activity and hemolymph components)
Reproduction, Host
Stewart, G. L.; Solfer, F. K.; and Stewart, J. B., 1979, J. Invert. Path., v. 33 (1), 75-80
Dirofilaria immitis, effects of different carbohydrate diets on survival, fecundity, and egg viability in infected Aedes aegypti and on development of 3rd stage larvae of nematode

Reproduction, Host
Sweeting, R. A., 1976, J. Fish Biol., v. 9 (6), 515-522
Ligula intestinalis, effect on Rutilus rutilus population in gravel pit, fall in number of parasitized roach due to predation by other fish, parasitized roach failed to become sexually mature but their actual growth rate was not markedly reduced, pterocercoids grew more rapidly during summer, roach less than 9 months of age should not be introduced into confined waters: southern England

Reproduction, Host
Swift, B. L.; and Paumer, R. J., 1978, Theriogenology, v. 10 (5), 395-403
Anaplasma marginale, heifers in third trimester of gestation (exper.), fetus and dam arterial blood gases and pH measured, death of fetus following progressive parasitic anemia in dam is attributed to fetal anoxia

Reproduction, Host
Tharp, V. L., 1976, Pan Am. Health Organ., 159-163
Trichomonas foetus, recognition, transmission, pathogenesis, diagnosis, treatment and control, reproductive problems, review

Reproduction, Host
Microphallus pygmaeus and Ceracria parvicauda in Littorina saxatilis, intensity and extensity of infection by sex and size of host, and month; host reproductive capacity; experimental infection in mice: Gull Island, Witless Bay and Newman's Sound, Newfoundland

Reproduction, Host
Schistosoma mansoni, mice, observations on ovarian function during acute infections showed that estrus was present in some infected animals in spite of histopathological changes and decreased levels of progesterone in blood

Reproduction, Host
Boophilus microplus, resistance in selected Bos taurus and crossbred B. taurus x B. indicus, factors affecting resistance: age and sex of host, lactational status, pregnancy status, season, breed differences

Reproduction, Host
Trichomonas vaginalis causing enterocolitis in 9-day-old infant, infection thought to have occurred per os during delivery

Reproduction, Host
Wilson, P. A. G.; Cameron, M.; and Scott, D. S., 1978, Parasitology, v. 76 (2), 221-227
Strongyloides ratti, virgin rats at different stages of oestrous cycle, no differences in mean intestinal worm burden, thus changes in hormonal environment of migrating larvae did not alter worms' destination or affect their potential for development, other possible sources of variability in experimental infections, 'exact dose' technique as corrective for some procedural errors

Reproduction, Host
Young, R., jr.; Hass, D. K.; and Brown, L. J., 1979, J. Animal Sc., v. 48 (1), 45-51
Ascaris suum, Oesophagostomum dentatum, dichlorvos administered to non-parasitized and parasitized sows during late gestation, improved reproductive performance found to be independent of anthelmintic activity

Reproduction, Host
Dipetalonema evansi, camels, filarial orchitis and possible significance as prevalent reproductive disease; surgical treatment and use of neosulversan, foudain, and neguvon, histopathology of gonads: Egypt

Reproduction, Parasite
Nosema bombycis, propagative reproduction in silkworm larvae

Reproduction, Parasite
Adams, T. S., 1979, J. Med. Entom., v. 15 (5-6), 488-493
Cochliomyia hominivorax, mating, age, mating frequency, ovarian maturation, insemination, neuroendocrine requirement, temperature

Reproduction, Parasite
arthropods of medical and veterinary importance, mate seeking and mating sites, review

Reproduction, Parasite
regulation of host population growth by parasitic species

Reproduction, Parasite
Schistosoma mansoni, biochemical basis of continuous copulation: male worm retains little of protein it produces in greatest abundance and this protein is electrophoretically identical to most abundant protein found in, but not synthesized by, the female

Reproduction, Parasite
plathelminthes, gametogenesis, chromosome pattern, cycles, and evolution, reproductive mechanisms, cytotaxonomy
Reproduction, Parasite
Bennett, J. L.; Seed, J. L.; and Boff, M., 1978, J. Parasitol., v. 64 (5), 941-944
Schistosoma mansoni, development of rapid, simple, and sensitive fluorescence histo-chemical method for detecting phenol oxidase activity in female worms, results further demonstrate critical role of phenol oxidase in egg production.

Reproduction, Parasite
Bhatia, B. B.; et al., 1978, Indian J. Animal Sci., v. 48 (9), 688-691
Eimeria intricata, sheep (exper.), sporogony

Reproduction, Parasite
Birova, V.; and Calvo, A., 1979, Poeyana (191), 10 pp.
Strongyloides avium in Gallus gallus f. domestica, some aspects of life cycle: observation of molt in host; pattern of oviposition of parasitic female

Reproduction, Parasite
Nippostrongylus brasiliensis, factors influencing movement of males toward female pheromone

Reproduction, Parasite
Cryptobia catostomi in Catostomus commersoni (blood), division and morphogenesis, explanation for variation in parasite size

Reproduction, Parasite
Ichthyophthirius multifilis, cell division

Reproduction, Parasite
Burreson, E. M.; and Allen, D. M., [1979], J. Parasitol., v. 64 (6), 1978, 1082-1091
Mysisobdella borealis comb. n., revised diagnosis, external and internal anatomy, geographical and seasonal occurrence along northeastern coast of United States and Canada, aspects of its biology in association with mysid hosts (attachment to hosts, host preference, reproductive behavior)

Reproduction, Parasite
Clavellides macrachelus, sexuality

Reproduction, Parasite
Campbell, A.; and Glines, M. V., 1979, J. Parasitol., v. 65 (5), 777-781
Haemaphysalis leporispalustris, development, survival, and oviposition at 5 constant temperatures

Reproduction, Parasite
Dermacentor variabilis females engorged on albino rats and wild-caught Erethizon dorsatum and Procyon lotor and held under series of constant laboratory temperatures or under fluctuating temperatures in grass and woodland conditions, daily oviposition and survival rates, viability of eggs, total number of eggs deposited

Reproduction, Parasite
Syringophiloidus minor, population development in juvenile and nuptial plumages of Passer domesticus, winter dispersal, dispersal into unoccupied coverts of adult birds not observed, effect of dispersal on population composition, population dynamics in the 2 plumages

Reproduction, Parasite
Sarcocystis dispersa in mice, asexual multiplication directly in cytoplasm of hepatic cells without formation of parasitophorous vacuole, new process of endogenesis (multiple synchronous endopolygenesis)

Reproduction, Parasite
Cerny, V.; and de la Cruz, J., 1971, Folia Parasitol., v. 18 (1), 73-78
Boophilus microplus, development and survival in laboratory and natural conditions: Cuba

Reproduction, Parasite
Cheung, P. J.; Nigrelli, R. F.; and Ruggieri, G. D., 1979, J. Fish Dis., v. 2 (2), 93-97
Cryptocaryon irritans, effect of temperature and salinity on reproductive cycle

Reproduction, Parasite
Chumakova, I. V.; and Kozlov, M. P., 1979, Entom. Obozr., v. 58 (2), 244-247
Fleas, stability of sex ratio and its significance in reproduction

Reproduction, Parasite
Croll, N. A.; and Wright, K. A., 1976, Canad. J. Zool., v. 54 (9), 1466-1480
Nippostrongyulus brasiliensis, Nematospiraides dubius, copulatory bursa, fine-structural studies, general musculature and sensory components, physiology of bursal movements during copulation, and observations on control mechanisms

Reproduction, Parasite
Trypanosoma rangeli, Peruvian strain, growth and development in Rhodnius ecuadoriensis (hemocoel, glandulas salivares) (exper.)

Reproduction, Parasite
Mytilicola intestinalis in Mytilus edulis, population dynamics, parasite maturation and breeding, seasonal variation, mortality, environmental temperatures are believed to control parasite developmental cycle: Lynher River, Cornwall, England

Reproduction, Parasite
Spilopsyllus cuniculi, rabbits, influence of host endocrine system upon flea reproduction, brief review
Reproduction, Parasite
Davis, R. B.; O'Grady, J. J., jr.; and High-tower, B. G., 1972, J. Econom. Entom., v. 65 (4), 1214-1215
Chochliomyia hominivorax, reproductive capacity of laboratory-adapted flies exposed to continuous oviposition stimulus

Reproduction, Parasite
Bothroccephalus gowkongensis in cyprinid fishes, growth, development, and fertility in relation to temperature, host age and diet, and intensity of invasion

Reproduction, Parasite
Dikovskaja, V. E., 1974, Parazitologiia, Leningrad, v. 8 (6), 548-552
Eimeria tenella, 13 strains, intraspecific variability with respect to virulence, reproductive capability, and immunogenic properties: USSR

Reproduction, Parasite
Ornithodoros gurneyi, laboratory rearing technique, feeding and detaching, molting and development, mating and oviposition, reproductive diapause, effects of temperature, photoperiod, and pressure

Reproduction, Parasite
Dubinsky, P.; et al., 1979, Biologia, Bratislava, s. r. Zool. (2), v. 34 (3), 360-375
Ascaris suum, fertilization, influence on glycogen content of muscles and glycogen distribution in ovaries and uterus

Reproduction, Parasite
Dvorak, J. A. and Howe, C. L., 1979, J. Protozool., v. 26 (1), 114-117
Toxoplasma gondii-vertebrate cell interactions, kinetic study of reproductive phase utilizing controlled-environment culture system

Reproduction, Parasite
Ornithodoros savignyi, spermatophore evagination

Reproduction, Parasite
Ornithodoros savignyi, spermatophore, morphology and histochemistry, stages in formation

Reproduction, Parasite
Fine, P. E. M., 1979, J. Parasitol., v. 65 (2), 320-321
Heterakis gallinarum, egg output of Parahistomonas wenrichi-infected and uninfected strains, difference not statistically significant

Reproduction, Parasite
Ascaris suum, electrophoretic characterization of polypeptides from perienteric, testis, seminal, and uterine fluids; comparison of their protein concentrations, PH, and osmolality; effects of seminal and uterine fluids on spermiogenesis

Reproduction, Parasite
Nosema necatrix, in vivo propagation in Trichoplusia ni or Heliothis zea, effect of inoculum, temperature, and host type and age

Reproduction, Parasite
Argas persicus, Ornithodoros tholozani, O. moubata, effects of several laboratory animals on tick feeding behaviour and reproduction

Reproduction, Parasite
Ornithodoros moubata, effect of copulation on vitellogenesis and egg laying

Reproduction, Parasite
Plasmodium berghei berghei, erythrocytic forms inoculated into mouse embryos, development, reproduction, mice at birth had either no evidence of infection or had overwhelming parasitemia with extended period of parasite development

Reproduction, Parasite
Ixodes ricinus, copulation, nutrition, and oviposition, rearing method, white mouse used for larvae and nymphs, rabbit and guinea pig for females, sex of nymphs determined successfully on basis of engorgement weight

Reproduction, Parasite
Ixodes ricinus, copulation, meeting of both sexes assured by female pheromone, crossed attraction between I. ricinus and I. hexagonus

Reproduction, Parasite
Sphaeromyxa sabrazesi, 'germinal' cells are complex of three cellular types, observations support independence of Myxosporidia from Protozoa and Metazoa

Reproduction, Parasite
Ceratophyllus hirundinus hirundinus, C. styx styx, surface structure and cellular detail of sensillum, light, stereoscan, and transmission electron microscopy, possible modes of functioning

Reproduction, Parasite
Chochliomyia hominivorax, behavior of sexually active males, possible aggregation sites for mating in vegetation rather than on hosts
Reproduction, Parasite
Hippobosca longipennis, biology in Egypt, laboratory observations: adult emergence, feeding mechanism, frequency and amount of blood meal, tolerance to starvation, sexual maturity, mating behavior, sex ratio, intra-uterine larval development, larviposition and description of 3rd larval stage, adult longevity and fecundity, description of pupa, pupal duration (effect of temperature, relative humidity, and host)

Reproduction, Parasite
Hippobosca equina, field-collected and laboratory-reared on guinea pigs, biology, adult males vs. females (feeding, longevity of starved adults in 2 seasons, longevity of normal adults and fecundity in 2 seasons, effect of presence of males on fecundity of females, sexual maturation, sex ratio); larval stage (larviposition, description, and duration of 3rd larval stage; seasonal intra-uterine larval development); pupal stage (duration, effect of temperature and humidity)

Reproduction, Parasite
Handman, E.; and Spira, D. T., 1977, Ztschr. Parasitenk., v. 53 (1), 75-81
Leishmania tropica system of prolonged culture of amastigotes in mouse macrophages, dynamics of division rate and macrophage infection; macrophages from immune mice inferior for culture

Reproduction, Parasite
Haque, A.; et al., 1978, Parasitology, v. 76 (1), 77-84
Dipetalonema vitaeae, hamsters, female adult worms suppress but male adults enhance microfilaremia of infection initiated with infective larvae, male worms release factor(s) which enhance microfilaremia, microfilariae production by implanted female worms is inhibited by developing infective larvae

Reproduction, Parasite
Houlihan, D. F.; and Macdonald, S., 1979, Exper. Parasitol., v. 48 (1), 109-117
Dicylidophora spp., Entobdella soleae, egg production and respiratory rate at different oxygen partial pressures

Reproduction, Parasite
Pseudodactylogyrus microrchis on Anguilla anguilla, influence of water temperature on oviposition, hatching and development of parasite

Reproduction, Parasite
Cryptocotyle lingua, redia, surface morphology with special reference to birth papilla and release of cercariae, scanning and transmission electron microscopy

Reproduction, Parasite
Crivella silenus, data on process of pupation, duration of pupal phase and sexually mature form under conditions of South Kirgiz

Reproduction, Parasite
Heligmosomoides polygyrus, mice, low infectivity of third-stage larvae resulted in greater fecundity of female worm and vice versa, egg-output of worm increased when worm burden was smaller, decreased with greater worm burden

Reproduction, Parasite
Khojil, G. M., 1979, J. Parasitoll., v. 65 (2), 321-323
Argas arboreus, fecundity reduction as result of crowding

Reproduction, Parasite
Leishmania tropica promastigotes, purine nucleotide metabolism, inhibitory effect of allopurinol and analogues of purine nucleosides, possible mode of action of growth inhibition by allopurinol

Reproduction, Parasite
Amphipsylla rossica, ecology, field and laboratory studies: feeding, reproduction, development, survival, and longevity under various conditions of temperature and humidity; age composition and physiological state of populations in different months; abundance on Microtus arvalis and in its nests and burrow entrances in different months: Transcaucasion highlands

Reproduction, Parasite
Trichinella spiralis, mice, orientation of male and female larvae into pairs in small intestine, pairs more frequent in lower section than in upper section

Reproduction, Parasite
Kozlov, D. P., 1972, Parazitologiia, Leningrad, v. 9 (4), 360-363
Trichinella spiralis, male is able to fertilize several females, females may copulate several times in host's intestine
Reproduction, Parasite
Kusunoki, Y., 1977, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 26 (1), 6-16
Toxoplasma gondii, sporozoites, bradyzoites, and tachyzoites of RH strain, invasion and multiplication in cultured cells

Reproduction, Parasite
Monogenea, congeneric concurrent parasitism of fish gills, spatial distribution related to coevolution of competitive species, simultaneous hermaphroditism aids reproduction in restricted environment, review

Reproduction, Parasite
Trypanosoma lewisi, feral isolate, comparative activity in albino vs. black rats (parasitemia, trypanosome cell size and reproductive development, trypanosome respiration), data show that albino rats were significantly more susceptible to infection than black rats

Reproduction, Parasite
Cyamus scammoni, life cycle on gray whale, study of parasite reproduction during host migration periods, damage to host cutaneous tissue, ability to survive out of water for several days, comparisons with C. ceti and C. kessleri life cycles; off central California coast; shore station at Pt. San Pablo, California; Pt. Barrow, Alaska

Reproduction, Parasite
Long, P. L.; and Millard, B. J., 1979, Parasitology, v. 78 (1), 41-51
Eimeria dispersa, isolation from turkeys in Britain, life cycle and reproduction, cross-protection against American strain, electrophoretic analysis of enzymes, host specificity studies, in vitro growth studies, gross pathology, pathogenicity, immunogenicity

Reproduction, Parasite
Luetzen, J., 1979, Ophelia, v. 18 (1), 1-51
Enterobius oestergreni in Stichopus tremulus and E. parastichopoli in Parastichopus californicus, detailed life history, frequency, infection sites, reproduction, metamorphosis of male larvae completed by implantation in female's central cavity, biology and anatomy of male E. oestergreni; biology compared with other species of Entoconchidae; effect of E. oestergreni on host

Reproduction, Parasite
McDaniel, R. S. II; and Oliver, J. H., jr., 1978, J. Parasitol., v. 64 (3), 571-573
Dermacentor variabilis nymphs, effects of insect growth regulators on certain aspects of developmental and reproductive biology

Reproduction, Parasite
Diplozoon homoion gracile from Barbus meridionalis, egg-laying and hatching rhythms, probably synchronized to host behavior so as to increase chances of successful invasion by larvae

Reproduction, Parasite
Neoechinorhynchus agilis, ultrastructural modification of ovarian ball and spermatozoa after insemination of female, role of passive vs. active penetration

Reproduction, Parasite
dynamics of model host-parasite associations, factors that tend to have a destabilizing influence: parasite induced reduction in host reproduction; effects of parasites reproducing directly inside their host; effects of time delays in parasite reproduction and transmission

Reproduction, Parasite
Transversotrema patialense on Brachydanio rerio (exper.), host size (age) and parasite survival, (parasite) age- and density-dependent survival and reproduction, reinfection and transplantation experiments failed to provide evidence of host immunological responses

Reproduction, Parasite
Naidu, T. S. V.; and Murhar, B. M., 1979, Current Sc., Bangalore, v. 48 (10), 463-464 [Letter]
Spinostongylus indicus in Taphozous melanocephalus and Rhinolophous luctus (intestine of both), measurements, copulation: Nagpur

Reproduction, Parasite
Nollen, P. M., 1978, J. Parasitol., v. 64 (4), 613-616
Philothalamus gralli, development and movement of reproductive cells and inseminatory behavior studies using techniques of transplantation and autoradiography

Reproduction, Parasite
Nollen, P. M.; and Pyne, J. L., 1979, J. Parasitol., v. 65 (1), 35-37
Megalodiscus temperatus adults in Rana pipiens, timing stages of spermatogenesis, inseminatory behavior, techniques used include labelling of spermagotonal cells with $^{3}H$-adenosine, method for transplanting worms to frogs, and autoradiography

Reproduction, Parasite
Diplectanum aequans, D. sciænae, ovoviviparity

Reproduction, Parasite
Ixodoidea, reproduction (genetogenesis, mate finding, copulation, sperm behavior and longevity, synamy, oviposition), review
Reproduction, Parasite
Osborn, R. L.; and Oliver, J. H., jr., 1978, J. Parasitol., v. 64 (4), 719-726
Dermacentor variabilis, effects of metapa on cytology and fertility of males treated as unfed adults

Reproduction, Parasite
Amblyomma americanum, oviposition behavior and larval longevity in 4 different habitats, preoviposition time and egg incubation temperature dependent

Reproduction, Parasite
Pellegrino, J.; and Coelho, P. M. Z., 1978, J. Parasitol., v. 64 (1), 181-182
Schistosoma mansoni, mice with single worm-pair infections, oogram scanning, schematic distribution of first-stage eggs along host intestine, results confirm that female lays about 300 eggs per day, wide distribution reflects remarkable wandering capacity of schistosome pairs, findings support value of oogram method for drug screening purposes

Reproduction, Parasite
Peroutka, M.; and Cihar, R., 1978, Apidologie, v. 9 (4), 291-304
Nosema apis in drones (exper.), effect of pollen, pharyngeal gland secretions, and pteridines (stimulation, inhibition, or no effect) on parasite reproduction

Reproduction, Parasite
Octomymermis muspratti, effects of male/female ratios on mating and egg production, application of these findings may help obtain maximum laboratory production of this potential biocontrol agent of mosquitoes

Reproduction, Parasite
Ixodes ricinus, Hyalomma marginatum, effect of different combinations of temperature and humidity on oviposition

Reproduction, Parasite
Poinar, G. O., jr., 1978, Nematologica, v. 24 (1), 105-114
Nosema apis in drones (exper.), effect of pollen, pharyngeal gland secretions, and pteridines (stimulation, inhibition, or no effect) on parasite reproduction

Reproduction, Parasite
Gastrotrich, spp., deposition of eggs in gelatinous matrix produced by cells of reproductive tract, eggs adhere to debris in fast flowing stream, within host range: near Truckee, California

Reproduction, Parasite
Poinar, G. O., jr., 1979, Science (4416), v. 206, 355-357
Ornithodoros parkeri, evidence of physiological role of juvenile hormone in acarine reproduction

Reproduction, Parasite
Pye, A. E.; and Burman, M., 1978, Exper. Parasitol., v. 46 (1), 1-11
Neoaplectana carposcopae (potential biological control agent) in Helobius abietis: dose-mortality and concentration-mortality studies, nematode dispersal, invasion route, host mortality in relation to temperature and to insect stage and condition; nematode reproduction, optimal temperature

Reproduction, Parasite
Trichobilharzia ocellata, reproductive success evaluated by passage of viable eggs by ducks exposed to initial and challenge infections, possible immunological basis for decline in egg production

Reproduction, Parasite
Rengaraju, V., 1979, Current Sc., Bangalore, s. B., Biol. Sc. (1140), v. 200, 245-267
Cryptocotyle lingua, ultrastructure and development of ventrogenital complex and its mode of operation in copulation

Reproduction, Parasite
Reinhardt, E. G., 1942, J. Morphol., v. 70 (3), 389-402
Pellogaster paguri, reproductive role of cypris larvae ("complementary males"), description of cypris cells and accompanying nurse cells, masculinization of cypris larva to become functional male upon contact with young hermaphrodite, expels spermatogenic elements into hermaphrodite, ensures production of heterozygotes as well as homozygotes

Reproduction, Parasite
Rondanelli, E. G.; et al., 1976, Recent Prog. Med., v. 61 (2), 137-162
Leishmania donovani and L. tropica promastigote forms in vitro, basis for qualifying characters of ultrastructural organization of genus Leishmania and aspects of its reproduction and pathogenicity; promastigote and endomastigote phases discussed
Reproduction, Parasite
Runey, W. M.; Runey, G. L.; and Lauter, F. H., [1979], J. Parasitol., v. 64 (6), 1978, 1008-1014
Rhabdias ranae, determination of somatic, diploid, and haploid chromosome numbers; spermatogenesis, oogenesis, and fertilization; method of sex determination and chromosome elimination

Reproduction, Parasite
Eimeria stiedai, rabbits, endodyogeny observed, confirms theory that endodyogeny is primary and fundamental process of asexual reproduction in the Coccidia and that schizogony is a secondary process which has developed from endodyogeny

Reproduction, Parasite
Seed, J. L.; Beff, M.; and Bennett, J. L., 1978, J. Parasitol., v. 64 (2), 283-289
Schistosoma mansoni, phenol oxidase, biochemical method for detection (enzyme activity induced by in vitro incubation of female schistosomules, some properties and effects of various drugs upon its activity, appears to be associated with egg production and may serve as target for development of drugs, also as a useful marker for biochemical and immunological studies

Reproduction, Parasite
Haemogammasus kitanowi, biology and distribution in Kazakhstan (life cycle, feeding, reproduction, survival, parthenogenesis, starvation periods)

Reproduction, Parasite
Dermacentor variabilis, D. andersoni, female sex pheromone, chemical and biological evidence for existence, interspecific and intergeneric sex attractant activity involving both Dermacentor spp. and Rhipicephalus sanguineus

Reproduction, Parasite
Toxoplasma gondii, review of biological aspects especially ultrastructure of interphasic form and the modifications that occur during cell division

Reproduction, Parasite
Trypanosoma cruzi, fine structure morphology of epimastigotes maintained in acellular culture medium, cell division, observation of polysaccharide surface coat

Reproduction, Parasite
Schistosoma japonicum, Schistosoma incognitum, heterologous mating observed in experimentally infected rodents, implications of hybridization in increasing range of intermediate and definitive hosts

Reproduction, Parasite
Stronberg, F.; and Dubey, J. P., [1979], J. Parasitol., v. 64 (6), 1978, 998-1002
Paragonimus kellicotti, life cycle in cats (exper.): migration, development, growth, maturation, distribution in lungs, egg production

Reproduction, Parasite
Tinsley, R. C., 1978, Parasitology, v. 77 (2), 121-132
Eupolystoma anterorchis, oviposition; hatching; oncomiracidium, distribution of tegumental ciliated cells and sensillae, systematic implications

Reproduction, Parasite
Toxoplasma gondii, in vitro reproduction in tissue culture of chick embryo fibroblasts, influence of various sera on parasite growth

Reproduction, Parasite
Trypanosoma cruzi, Venezuelan strain vs. Brazilian strain, factors influencing adaptation, development, and multiplication in local race of Rhodnius prolixus vectors (laboratory strain originally from state of Gaurico, Venezuela)

Reproduction, Parasite
Ixodes persulcatus, mating and fertilization in relation to age and moulting

Reproduction, Parasite
Boophilus microplus, oviposition efficiency, no significant differences attributed to light, handling during oviposition, or manual detachment of engorged female

Reproduction, Parasite
Walter, R. D.; Buse, E.; and Ebert, F., 1978, Tropenmed. u. Parasitol., v. 29 (4), 439-442
Leishmania tropica, L. donovani, in vitro, correlation between cyclic adenosine monophosphate concentration within cells and their proliferation and transformation

Reproduction, Parasite
Bovicola tibialis, transmission from introduced Homo dama to Odocoileus hemionus columbianus apparently by direct contact at feeders, absence of males suggests that parthenogenetic reproduction occurs in B. tibialis: California

Reproduction, Parasite
Williams, G. W., 1942, J. Morphol., v. 70 (3), 545-589
Metaradiophrya lumbrici, detailed description, movement and attachment behavior, cytology of division; description of other Metaradiophrya spp. and comparison with M. lumbrici
Reproduction, Parasite


Reproductive organs. [See also Gonads]

Reproductive organs, Host

Aboul-Azm, T. E., 1979, Arch. Androl., v. 3 (4), 287-292. Schistosomiasis, human seminal vesicles and ejaculatory ducts, seminal vesiculography and castings, diseased vs. normal organs

Reproductive organs, Host


Reproductive organs, Host

Elbadawi, A.; Davis, R. S.; and Cockett, A. T., 1978, Urology, v. 12 (1), 87-90. Schistosoma mansoni, elderly Puerto Rican man, intratesticular ovum deposits with periorchitis, case report

Reproductive organs, Host


Reproductive organs, Host

Faulk, W. P.; et al., 1978, Protides Biol. Fluids, v. 26, 427-430. Several conditions of abnormal pregnancy including 3 patients with P[lasmodium] falciparum malaria, deposition of complement components within placenta

Reproductive organs, Host


Reproductive organs, Host


Reproductive organs, Host

Frost, O., 1975, South African Med. J., v. 49 (30), 1201-1203. Bilharzias, humans, incidence of Fallopian tube infections, possible role as etiologic factor in ectopic pregnancy and salpingitis, tubal infection does not present typical clinical picture for diagnosis

Reproductive organs, Host


Reproductive organs, Host


Reproductive organs, Host


Reproductive organs, Host

Kamel, I.; and Milad, M., 1977, Egypt. J. Bilharzz., v. 4 (2), 157-164. Schistosomal seminal vesiculitis, humans, quantitative and qualitative pathology

Reproductive organs, Host


Reproductive organs, Host


Reproductive organs, Host

Nasah, B. T.; and Cox, J. N., 1978, Virchows Arch. A, Path. Anat. and Histol., v. 377 (3), 225-236. Vascular lesions in testes of 40 of 41 fertile males with oligospermia postulated to be result of repeated formation and deposition of circulating immune complexes, antigens could be of various origins including living or dying parasites, evidence of parasitic testicular involvement (possibly filaria) in 2 cases: Cameroon

Reproductive organs, Host

Philocreon, G. R., 1975, Rev. Goiana Med., v. 21 (1-2), 61-63. Schistosoma mansoni, woman, ovarian localization, presenting as sterility, case report: Anapolis, Brazil

Reproductive organs, Host

Schuetz, A. W.; Selman, K.; and Samson, D., 1978, J. Exper. Zool., v. 204 (1), 81-94. Microsporidia [sp]-infected Rana pipiens, class of unique abnormally enlarged and discolored follicles and oocytes identified in ovaries, various parameters of composition, function, and structure of these large oocytes: Vermont

Reproductive organs, Host


SUBJECT HEADINGS
Reproductive organs, Host
Sousa, O. E.; and Briceno, C. E., 1976, Rev. Med. Panama, v. 1 (7), 81-86
Enterobius vermicularis, human, ovarian parasitic granuloma thought to result from the erratic migration of an adult female worm, case report: Panama

Reproductive organs, Host
Bucephalus sp., parasitic castration of Crassostrea madrasensis (gonads): South Kanara district, Karnataka

Reproductive organs, Host
Szczygiel, B., 1973, Przegl. Lek., v. 30 (9), 759-762
Schistosoma haematobium, human genital organs, diagnosis and assessment of infections and calcifications using radiology

Reproductive organs, Host
Tiboldi, T., 1979, Am. J. Trop. Med. and Hyg., v. 28 (4), 670-676
Schistosoma mansoni-infected mice, histopathological changes in ovaries in acute and chronic infections, pituitary hypofunction may contribute to pathological transformation of ovarian tissue

Reproductive organs, Host
T'booldi, T., 1979, Am. J. Trop. Med. and Hyg., v. 28 (6), 1026-1030
Schistosoma mansoni-infected mice, histopathological changes in ovaries can be reversed by adequate antischistosomal therapy

Reproductive organs, Host
Cuterebra fontinella on Peromyscus leucopus noveboracensis, mean infestation rate, host age, reduced size of reproductive organs in infected subadult males, no effect on adult male and female reproductive organs, parasite-host relationships are stable and parasite and host have evolved coadaptations and a tolerance for each other

Reproductive organs, Parasite
Ascaris suum, free amino acids and proteins in pseudocoeclid, seminal vesicle, and glandular vas deferens

Reproductive organs, Parasite
Uroginimus macrostomus, genital organs, shape, size, and surface topography, light and scanning electron microscopy

Reproductive organs, Parasite
Uroginimus macrostomus, re-investigation of type specimen confirms placement of species in Uroginimus; comparison of reproductive system of U. macrostomus with Leucochloridium and Neoleucocloridium

Reproductive organs, Parasite
Burchard, G. D.; Buettner, D. W.; and Bierther, M., 1979, Tropenmed. u. Parasitol., v. 30 (1), 103-112
Onchocerca volvulus, electron microscopy, adult worms, onchocerca-nodules removed from patients

Reproductive organs, Parasite
Lernmannoplys kroyeri, male genital system, microscopic morphology and anatomy, histochimical composition of spermatophoral secretions

Reproductive organs, Parasite
Croll, N. A.; and Wright, K. A., 1976, Canad. J. Zool., v. 54 (9), 1466-1480
Nippostrongylus brasiliensis, Nematospiridae dubius, copulatory bursa, fine-structural studies, general musculature and sensory components, physiology of bursal movements during copulation, and observations on control mechanisms

Reproductive organs, Parasite
Dubinsky, P.; et al., 1979, Biologia, Bratislava, s. B, Zool. (2), v. 34 (5), 369-375
Ascaris suum, fertilization, influence on glycogen content of muscles and glycogen distribution in ovaries and uteri

Reproductive organs, Parasite
Ascaris suum, Ascaridia galli, amino acid content in reproductive organs of males and fertilized and non-fertilized females, potential application to differentiation of species

Reproductive organs, Parasite
Moniliformis moniliformis, muscles of male reproductive system

Reproductive organs, Parasite
Ergens, R.; and Dulmaa, A., 1971, Folia Parasitol., v. 18 (1), 33-39
Ancylodiscoides spp., reliable criterion for identification is shape of individual chitinoid parts of haptor, and of copulatory organ

Reproductive organs, Parasite
Schistosoma mansoni, S. haematobium, calcareous corpuscles in vitelline cells, morphological observations, X-ray microanalysis, effect of drug treatment

Reproductive organs, Parasite
Ginetinskiakia, T. A.; et al., 1971, Parasitolog. Leningrad, v. 5 (2), 147-154
P łatyhelimis (47 species), glycogen and fat distribution in yolk glands and complex eggs, accumulation of reserve substances in yolk glands appears to vary with type of egg development (in external environment vs. in uterus of parent), digenetic trematodes accumulate only glycogen and not fat

Reproductive organs, Parasite
Ascaris suum, electrrophoretic characterization of polypeptides from perienteric, testis, seminal, and uterine fluids; comparison of their protein concentrations, pH, and osmolarity; effects of seminal and uterine fluids on spermiogenesis
Reproductive organs, Parasite
Herbaut, C.; et al., 1979, Ann. Parasitol., v. 54 (2), 237-242

Trichinella spiralis, endoplasmic reticulum of ovocytes is hypertrophied at points of contact with cuticle of hind gut

Reproductive organs, Parasite

Paragonimus peruvianus, variable position of ovary, description of certain adjoining genitals

Reproductive organs, Parasite
Irwin, S. W. B.; and Maguire, J. G., 1979, Internat. J. Parasitol., v. 9 (1), 47-53

Gorgoderina vitelliloba, ultrastructure of vitelline follicles

Reproductive organs, Parasite
Kolzow, R. G.; and Nollen, P. M., [1979], J. Parasititol., v. 64 (6), 1978, 994-997

Schistosoma japonicum, development and movement of reproductive cells, effects of stressful conditions (in vitro culture; intraperitoneal maintenance in hamsters: unisexual transplants into hepatic portal system of hamsters)

Reproductive organs, Parasite

Prosthogonimus ovatus, synonymy, extent of development of reproductive system varies with definitive host

Reproductive organs, Parasite

fleas, structure of ovaries

Reproductive organs, Parasite

Glaridacris catostomi, Penarchigetes sp., anomalies involving duplication of reproductive systems: Progonolothrium minytemri, lateral swelling containing additional testes

Reproductive organs, Parasite

Allocreadium ophiocephali, structure of female reproductive system

Reproductive organs, Parasite

Naobranchia cygniformis, structure of male genital apparatus, spermogenesis, electron microscopy

Reproductive organs, Parasite

Xystretrum caballeroi, X. solidum, description of terminal genital ducts

Reproductive organs, Parasite
Nollen, P. M., 1978, J. Parasit., v. 64 (4), 613-616

Philophthalmus grallii, development and movement of reproductive cells and inseminatory behavior studies using techniques of transplantation and autoradiography

Reproductive organs, Parasite
Ohmori, Y.; Yoshimura, H.; and Yamaguchi, T., 1976, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 25 (4), 513-518

Necator americanus, Ankylostoma duodena, morphology of copulatory bursa in cross section, comparison between species

Reproductive organs, Parasite

Camallanus lacustris female, structure of reproductive tract

Reproductive organs, Parasite

Centrorhynchus corvi, oocyte atresia in ovarian balls, morphological and histochemical observations

Reproductive organs, Parasite

Cryptocotyle lingua, ultrastructure and development of ventrogenital complex and its mode of operation in copulation

Reproductive organs, Parasite
Rees, F. G., 1979, Ztschr. Parasitenk., v. 60 (2), 157-176

Cryptocotyle lingua, development and ultrastructure of female reproductive ducts in metacercaria and adult

Reproductive organs, Parasite
Rousset, V.; et al., 1978, Ztschr. Parasitenk., v. 55 (1), 73-89

Chondracanthus angustatus reproductive apparatus, anatomy, histology, and spermogenesis

Reproductive organs, Parasite

Glossimetra orientalis, Ceylonocotyle scolicoelm, prostate glands, histochemical localization of certain enzymes and non-enzyme substances

Reproductive organs, Parasite

Hyalomma anatolicum excavatum, synthesis and content of prostaglandins in salivary glands, reproductive organs, and egg-batches, higher in females than males
Reproductive organs, Parasite
Schistosoma mansoni, female reproductive system, electron microscopy

Reproductive organs, Parasite
Hymenolepis diminuta, development of reproductive system

Reproductive organs, Parasite
ascarids, effect of pharmacological substances (acetylcholine, adrenalin, noradrenalin, gamma-aminobutyric acid, serotonin, and others) on the contractile activity of female genital tract

Reproductive organs, Parasite
Ancylostoma duodenale, A. caninum, sense organs and copulatory bursa, scanning electron microscopy

Reproductive organs, Parasite
Ancylostoma duodenale, A. caninum, sense organs and copulatory bursa, scanning electron microscopy

Reproductive organs, Parasite
Wharton, D. A., 1979, Parasitology, v. 78 (2), 131-143
Aspiculuris tetraptera, gross morphology of reproductive system, oogenesis, fertilization, egg-shell formation, cap cell and rachis, cytoplasmic inclusions of oocyte, formation of uterine layers

Reproductive organs, Parasite
Wharton, D. A., 1979, Parasitology, v. 79 (1), 13-28
Syphacia obvelata, structure and histochemistry of egg-shell, gross morphology of reproductive system, shell formation

Reproductive organs, Parasite
Wharton, D. A., 1979, Parasitology, v. 79 (1), PP. 1-12
Hammerschmiidiella diesingi, structure and histochemistry of egg-shell, gross morphology of reproductive system, cytoplasmic inclusions of oocyte, shell formation

Reproductive organs, Parasite
Trichuris muris, Capillaria hepatica, male copulatory apparatus, structure and function, light, scanning and transmission electron microscopy

Reservoir hosts. [See also Disease transmission; Epidemiology]

Reservoir hosts
Trypanosoma cruzi, search for wild reservoirs and vectors of pathogenic strain isolated from natural infection of Philander opossum quica, infective for mice and triatomines: Ribeirao Preto, Sao Paulo, Brasil

Reservoir hosts
Trypanosoma cruzi, statistics of epidemiologic survey, dogs and cats emphasized as reservoir hosts for human infections: State of Ceara (County of Russas), Brazil

Reservoir hosts
Trypanosoma cruzi, strain isolated from Holochilus brasiliensis leucogaster, infective for baby mice and triatomines: Itapira, State of Sao Paulo, Brazil

Reservoir hosts
Trypanosoma cruzi, isolation from wild rodent (Calomys musculinus) which is widely distributed in Argentina, possible implications for epidemiology of human Chagas disease: Las Higueras, Rio Cauto, Cordoba

Reservoir hosts
Leishmania. 3 strains isolated from Rattus rattus by inoculation of rat spleen into hamsters: area of Baccinello, Tuscany, Italy

Reservoir hosts
Paragonimus westermani in wild Rattus norvegicus (lungs, incidence; metacercariae developed to maturity in laboratory rats (exper.), confirms rat as natural host: Jaro, Leyte, Philippines

Reservoir hosts
Carney, W. P.; Van Peenen, P. F. D.; and Sudomo, M., [1979], J. Parasitrol., v. 64 (6), 1978, 1138-1159
Schistosoma japonicum infections found in Rattus exulans (mesenteric veins, liver), first report of mammalian reservoir in this newly discovered Oriental schistosomiasis area: Napu Valley, Central Sulawesi, Indonesia

Reservoir hosts
Schistosoma mansoni, extensive survey for possible role of rodent reservoir hosts in the epidemiology of human schistosomiasis; rodents thought to become parasitized when using brooks and lake tributaries containing cercariae shed by planorbid living in these waters: Lago da Pampulha, Belo Horizonte, Brasil

Reservoir hosts
Coeito, P. M. Z.; et al., 1979, Am. J. Trop. Med. and Hyg., v. 28 (1), 163-164
Schistosoma mansoni, small mammal reservoir hosts trapped in endemic area: Caratinga area, Minas Gerais, Brazil

Reservoir hosts
Leishmania major, search for reservoirs for human infection
Reservoir hosts
Schizotaxyton mansoni, natural infections of small mammals; daily variation in egg output; distribution, number, and sex of worms recovered during perfusion of portal system; Holochilus brasilienensis leucogaster most likely as reservoir host: valley of Paraiba do Sul river, Sao Paulo State, Brazil

Reservoir hosts
Leishmania sp., survey of wild and domestic animals as reservoir hosts, results suggest active role of dogs: Caratinga, Minas Gerais State, Brazil

Reservoir hosts
Draeger, N.; and Mehlitz, D., 1978, Tropenmed. u. Parasitol., v. 29 (2), 223-233
Trypanosoma spp., wildlife, prevalence determined by parasitological and/or serological techniques, correlation with high and low tsetse fly density areas (for buffalo and lechwe) and with host age (for buffalo): Northern Botswana

Reservoir hosts
Durfee, P. R.; and Cross, J. H., 1972, Taiwan J. Expt. Med., v. 72 (8), 509-524
catalogue of zoones of Taiwan, ready reference for physicians, veterinarians, and public health workers

Reservoir hosts
Frandsen, F.; et al., [1979], J. Parasitol., v. 64 (6), 1978, 1136
Schistosoma intercalatum, successful exper. infection of sheep suggests that indigenous sheep and possibly other ruminants may act as reservoir hosts in natural transmission foci

Reservoir hosts
Trypanosoma gambiense, epidemiology, problem of reservoirs in continuing transmission, man (symptomless carriers) as possible reservoir: Afrique Centrale

Reservoir hosts
Fuller, G. K.; Lemma, A.; and Haile, T., 1979, Am. J. Trop. Med. and Hyg., v. 28 (3), 526-530
Schistosoma mansoni, epidemiologic survey of resident population, small vectors, and wild animals after reports of infection in tourists and campers to Omo National Park, importance of infection to future developmental plans: Omo National Park, southwest Ethiopia

Reservoir hosts
Trypanosoma cruzi, morphologic characteristics of strain isolated from bat reservoir hosts: area of Sao Paulo

Reservoir hosts
Trypanosoma cruzi, new strain isolated from bat, infective for mice and triatomines in laboratory experiments: Ribeirao Preto, Sao Paulo, Brazil

Reservoir hosts
Gibson, W.; et al., 1978, Tropenmed. u. Parasitol., v. 29 (3), 335-345
Trypanosoma brucei gambiense, identification in Liberian pigs and dogs by isoenzyme electrophoresis and by resistance to human plasma, peptidase polymorphism demonstrated; stock from 2 pigs resistant to human plasma and contained enzyme marker previously found only in man, evidence that pigs are reservoirs for human infection in West Africa

Reservoir hosts
helminth parasites of sympatric Ammotragus lervia and Odocoileus hemionus, probably neither is reservoir for the other nor for domestic livestock: Palo Duro Canyon, Texas

Reservoir hosts
Inermicapsifer madagascariensis, children, case reports, niclosamide, wild rodents as reservoir hosts: Zambia

Reservoir hosts
Anaplasma marginale, Antilocapra americana not found to be infected, complement fixation test not useful for detection: eastern Montana

Reservoir hosts
helminths of roe deer, [Capreolus capreolus], role in infecting farm animals: Estonian SSR

Reservoir hosts
Trypanosoma brucei brucei, acquisition of potential infectivity for man (resistance to normal human serum when tested by blood inoculation infectivity test) after maintenance in domestic hens, suggests birds as potential reservoirs of trypanosomes of brucei group

Reservoir hosts
Trypanosoma cruzi, extensive survey of wild animals, triatomine bugs and humans for evidence of Chagas disease: State of Para, north Brazil

Reservoir hosts
Trypanosoma hippicum, importance of bats as reservoir hosts in epidemiology of zoonoses

Reservoir hosts
Mehlitz, D., 1979, Tropenmed. u. Parasitol., v. 30 (2), 212-219
Trypanosoma spp., infection rates in domestic animals; screening of dogs and pigs to indicate potential reservoirs of T. (Trypanozoon) brucei gambiense; comparison of sensitivity of 3 diagnostic techniques; comparison of number of primary isolations and derived stabilized Trypanosoma stocks: rain forest areas, Liberia
Reservoir hosts
Gambian trypanosomiasis, evidence for existence of animal reservoirs of Trypanosoma brucei gambiense reviewed; use of modified blood incubation infectivity test for diagnosis of T. brucei subspp. suggested; recommendations for long-term study of man and various animal groups as sources of various strains

Reservoir hosts
Morales, G. A.; Wells, E. A.; and Angel, D., 1976, J. Wildlife Dis., v. 12 (4), 572-574
Trypanosoma evansi in Hydrochoeris hydrochaeris as reservoir host: Eastern Plains of Colombia

Reservoir hosts
Mott, K. F.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (6), 1125-1127
Trypanosoma cruzi, infection of domestic dogs and cats in relation to household seroreactivity and household Panstrongylus megistus infestation: northeast Brazil

Reservoir hosts
Kala-azar, human, geographical distribution, age and sex distribution, clinical findings, wild carnivores as probable reservoir hosts and Phlebotomus major as probable vector: Iran

Reservoir hosts
Neves, D. P.; et al., 1975, Rev. AMMG, v. 26 (3-4), 84-87
Leishmania brasiliensis in 2 humans who had earlier visited and slept in a nearby cave where infection was thought to have occurred; Oryzomys eliurus and Cercomys cunicularis considered possible reservoirs and Lutzomyia renei possible vector: Reio do Mato cave in Sete Lagoas, Minas Gerais

Reservoir hosts
Newsome, A. L.; and Wilhelm, W. E., 1979, J. Parasitol., v. 65 (1), 108
Trichinella spiralis found in Procyon lotor (diaphragm): Tennessee

Reservoir hosts
Leishmania donovani, animal reservoir hosts: West Pokot and Baringo districts, Kenya

Reservoir hosts
Brugia malayi, humans, epidemiologic and vector survey; possible importance of cats in transmission: Kalimantan, Indonesia

Reservoir hosts
Leishmaniasis, epidemiological implications of discovery of Proechimys cuvieri sp. n.: French Guiana

Reservoir hosts
Rep, B. H.; and Bos, R., 1979, Tijdschr. Diergeneesk., v. 104 (19), 747-758
Uncinia stenocephala, dogs (exper.), worm population and topographical distribution in host intestine, prepatent and patent period, rhythm of daily worm-egg counts; egg and larval survival at low temperatures; natural infections in foxes and experimental cross-infections between dogs and foxes, epidemiological implications: Netherlands

Reservoir hosts
Trypanosoma cruzi, new rodent reservoir hosts, isolated strain infective for mice, rats and triatomines in laboratory experiments

Reservoir hosts
Trypanosoma cruzi, strain isolated from Akodon lasiotis, infective for mice and triatomines: Ribeirao Preto, Sao Paulo, Brazil

Reservoir hosts
Trypanosoma cruzi, strain isolated from Dasyprocta a. aguti (blood), possible reservoir, infectivity to triatomines and mice, mice protected against subsequent infection by human strain: Colatina, E. S., Brasil

Reservoir hosts
Toxoplasma gondii, prevalence of antibodies among wild carnivores, regional distribution, Lynx rufus and feral Felis domestica important hosts for reinforcing infection in wildlife areas: California

Reservoir hosts
Trypanosoma cruzi, isolated from Callithrix geoffroyi (blood), possible reservoir host, pathogenic for mice, infection by monkey strain gives good resistance in mice against reinoculation with Y-strain of T. cruzi: Governador Valadares, MG, Brazil

Reservoir hosts
Pan Am. Health Organ., 67-76
Leishmania, Echinococcus granulosus, E. multilocularis, role of wildlife in transmission of zoonoses

Reservoir hosts
Helminth fauna composition in wild ungulates in agricultural and forestry conditions, possible source of livestock infection, review, suggested measures for control: European part of SSSR
Reservoir hosts
Schwalder, P., 1977, Kleintier-Praxis, v. 22 (6), 237-246
Leishmaniasis, dog and cat as reservoir hosts for human infection, indigenous cases, public health importance, symptoms, clinical course, diagnosis, treatment: Switzerland

Reservoir hosts
Trypanosoma cruzi, guinea pigs (Cavia porcellus) found naturally infected in house infected with Panstrongylus megistus vectors, possible epidemiologic importance of guinea pigs as reservoirs if bred domestically in endemic areas: State of Bahia, Brazil

Reservoir hosts
Snow, W. F.; and Boreham, P. F. L., 1979, Acta Trop., v. 36 (1), 47-51
Phacoceroerus aethiopicus appears to be major maintenance host for Glossina morsitans subspecies as well as potential reservoir of trypanosomiasis: The Gambia

Reservoir hosts
Trypanosoma cruzi, T. rangeli, epidemiologic survey, vectors, reservoir hosts: Panama

Reservoir hosts
Babesia microti, human, survey of reservoir hosts and tick vector IXodes sp. nr. scapularis: Nantucket and nearby islands

Reservoir hosts
Vrablic, J.; and Hoklova, R., 1978, Veterinarstvi, v. 28 (12), 542-544
Parasitol., v. 29 (3), 281-288
Trypanosoma cruzi, guinea pigs (Cavia porcellus) found naturally infected with Panstrongylus megistus vectors, possible epidemiologic importance of guinea pigs as reservoirs if bred domestically in endemic areas: State of Bahia, Brazil

Reservoir hosts
Trypanosoma cruzi, ecological survey of triatomine vectors disclosed close association of Rhodius pallescens and Triatoma dimidiata with widely distributed palm tree species; Didelphis marsupialis, Tamandua tetradactyla, and Proechimys semispinosus seem to be principal animal reservoirs: Panama

Reservoir hosts
Young, A. S.; et al., 1978, Tropenmed. u. Parasitol., v. 29 (3), 281-288
Theilerarial parasites, incidence in Syncerus caffer, role as reservoir of cattle pathogenic theilerioses in East Africa

Residues
Banerjee, N. C.; et al., 1979, Indian Poultry Gaz., v. 63 (1), 19-21
Sulfaphenazole, blood level, biological half life, volume distribution, and tissue dispersion in poultry, possible public health hazard

Residues
Rigecoccin, very low residues in organs of broiler chickens after long-term treatment

Residues
Dedek, W.; et al., 1978, Arch. Exper. Vet.-Med., v. 32 (6), 951-955
Rafinoxanide, metabolism, residues and excretion in blood, milk, meat, and urine of lactating cows

Residues
Fasciola hepatica from bile ducts of cattle, and bovine liver samples, amount of contamination with DDT, \( \gamma \)-HCH, and \( \alpha \)-HCH

Residues
Haematobia irritans, dairy cattle, effectiveness of coumaphos on cable-type hack-rubbers, no residues detected in milk

Residues
Guerra, M. de O.; et al., 1974, Rev. Ginec. e Obst., Sao Paulo, v. 131 (9-10), 241-245
Administration of schistosomal drug hycanthone to lactating rats, offspring had decreased liver weight and evidence of liver damage, possible excretion of drug or its metabolites into mother's milk or alteration of milk metabolism by drug

Residues
Sulphaquinoxaline, poultry, concentration levels in blood and urine

Residues
\(^{14}\)C-labeled permethrin, distribution and depletion of radioactive activity in hens treated dermally and in their eggs

Residues
Jamov, V. Z., 1977, Veterinariia, Moskva (9), 64-67
[Hypoderma], cattle, ricifon effective, no toxic effects; toxicity tested in white mice; tissues of calves and cow's milk tested for residues

Residues
Ivey, M. C., 1979, J. Econom. Entom., v. 72 (6), 909-911
Chlorpyrifos and its metabolite 3,5,6-trichloro-2-pyridinol, residues in body tissues of cattle wearing impregnated plastic ear tags

Residues
Ivey, M. C.; et al., 1972, J. Econom. Entom., v. 65 (6), 1647-1649
Chlorpyrifos and oxygen analogue, residues in body tissues of dipped cattle
Residues
Ivey, M. C.; and Palmer, J. S., 1979, J. Econom. Entom., v. 72 (6), 837-838
chlorpyrifos and its metabolite 3,5,6-trichloro-2-pyridinol, residues in swine after pour-on application for control of Haematopinus suis and Sarcoptes scabiei

Residues
residues of chlorpyrifos and its metabolite 3,5,6-trichloro-2-pyridinol (pyridinol) were found in body tissues of Hereford yearlings after wearing chlorpyrifos-impregnated ear bands

Residues
sodium fluoride, swine, anthelmintic dose, no significant increase in fluoride concentration in tissues

Residues
excretion of toxaphene and dioxathion in milk of dairy cows

Residues
cambendazole, slaughterhouse ruminants, cattle, residues in meat and offal

Residues
rabon, feeding to dairy cows over extended periods, no adverse effects on general health or reproductive performance, negligible milk and tissue residues

Residues
Nepoklonov, A. A.; and Zabolotnyi, K. F., 1978, Veterinariia, Moskva (5), 99-100
warbex, method for analyzing meat and milk for residues

Residues
Ryan, J. J.; et al., 1979, J. Environ. Quality, v. 8 (3), 439-444
clopidol transferred to lambs by feeding chicken waste, did not appear to accumulate in lamb tissues or faeces

Residues
Ryan, J. J.; and McLeod, H. A., 1979, Residue Rev., v. 71, 1-82
veterinary drugs (including anthelmintics, antiprotozoals, systemic pesticides), chemical methods for analysis of residues in foods of animal origin, review

Residues
acedist, dovenix, treated sheep, residues in milk, effect on blood biochemical indices

Residues
coccidiostats aklomide and zoalene, residues in poultry meat, determination method

Resistance, Drug
Plasmodium berghei, rats, selection of pyrithiamine resistant strain by interrupted subcurative therapy (gradually increasing doses during serial passage); cross sensitivity to other antimalarials

Resistance, Drug
Plasmodium falciparum, strain resistant to chloroquine therapy discovered in Vientiane, Lao People's Democratic Republic

Resistance, Drug
Trypanosoma cruzi, mice, Peruvian or Colombian strain, Bay 2502, results varied with strain, suggestions for future research

Resistance, Drug
Trypanosoma cruzi, Colombian strain, drug resistance, Bay 2502-treated mice

Resistance, Drug
Eimeria tenella, comparison of amprolium- and buquinolate-resistant strains to a drug-sensitive strain with respect to (1) oocyst production in chicks and (2) infectivity, rate of development, and oocyst production in primary chick kidney cell cultures

Resistance, Drug
Blommers, L.; and van Lennep, M., 1978, Entom. Exper. et Applic., v. 23 (3), 243-251
Pediculus humanus capitis, school children, field trials with lindane, laboratory tests with lindane, dielectric, and malathion, presence of resistance to lindane confirmed: Netherlands

Resistance, Drug
Choriputes bovis, horse with foot-mange, resistant to coumaphos, lindane successful

Resistance, Drug
Cardenas Santiuste, C.; Rizo, F.; and Brooks, R. W., 1972, Rev. Cubana Cirug., v. 11 (1), 19-24
Ascaris lumbricoides, infection in child resulting in intestinal occlusion and perforation of Meckel's diverticulum, post-surgical therapy with piperazine unsuccessful as Ascaris continued to appear in feces up to one year later: Cuba

Resistance, Drug
Chapman, H. D., 1978, Parasitology, v. 76 (2), 177-183
Eimeria tenella, Houghton strain, experimental development of resistance to amprolium, clopidol, and methyl benzoquate
Resistance, Drug
Edgar, S. A.; and Planagan, C., 1979, Poultry Science, v. 58 (6), 1476-1482
Eimeria spp. (recent field isolates resistant to various drugs), halofuginone, action cidal rather than static

Resistance, Drug
Edgar, S. A.; and Planagan, C., 1979, Poultry Science, v. 58 (6), 1469-1475
Eimeria spp. (recent field isolates resistant to various drugs), chloroquine, halofuginone, action cidal rather than static

Resistance, Drug
Edgar, S. A.; and Flanagan, C., 1978, Avian Path., v. 7 (1), 110
Schistosoma mansoni, isolation of strain resistant to hycanthone and to oxamniquine

Resistance, Drug
ectoparasites of poultry, results of national questionnaire survey to determine presence, economic importance, drug resistance, and future research needs: United States

Resistance, Drug
Dias, L. C. de S.; et al., 1978, Rev. Saude Pub., S. Paulo, v. 12 (1), 110
Schistosoma mansoni, isolation of strain resistant to hycanthone and to oxamniquine

Resistance, Drug
falciparum malaria, children, chloroquine resistance, efficacy of quinine and fansidar, clinical study: Thailand

Resistance, Drug
Plasmodium falciparum, possible chloroquine-resistant strain, recrudescence of infection in 42-year-old hospital worker after chloroquine therapy, radical cure with sulfadiazone and pyrimethamine: Nigeria

Resistance, Drug
Entner, N., 1979, J. Protozool., v. 26 (2), 32-328
Entamoeba histolytica, emetine binding to ribosomes, inhibition of protein synthesis and amebicidal action, capacity to bind emetine is index of drug resistance

Resistance, Drug
Ferraroni, J. J.; and Hayes, J., 1979, Am. J. Trop. Med. and Hyg., v. 28 (5), 909-911
Plasmodium falciparum outbreak among indigenous Indian tribe, 3 cases resistant to chloroquine responded favorably to fansidar therapy: Uauraris, Territory of Roraima, Brazil

Resistance, Drug
Plasmodium falciparum, humans, chloroquine resistance, confirmed in vitro: Manaus, Amazonas

Resistance, Drug
Plasmodium berhei, undiminished mefloquine accumulation by erythrocytes infected with chloroquine-resistant strain provides explanation for superiority of mefloquine in treating chloroquine-resistant malaria, but competition observed between chloroquine and mefloquine raises possibility that same process of accumulation serves both drugs

Resistance, Drug
Plasmodium falciparum, Aotus trivirgatus erythrocytes infected with chloroquine-resistant strain, effect of substrate (glucose) on chloroquine and amodiaquin accumulation

Resistance, Drug
Plasmodium berhei, evidence that erythrocyte surface components determine affinity with which chloroquine is accumulated and thereby determine whether or not the malaria parasite will be susceptible to the drug

Resistance, Drug
Plasmodium falciparum, chloroquine resistant strain in non-immune male, treatment with fansidar terminated infection: Danish tourist to Kenya
Resistance, Drug
Trichomonas vaginalis, 35-year-old woman, symptomatic metronidazole-resistant vaginitis for 10 years, some resistance also to tinidazole and ornidazole: Sweden

Resistance, Drug
Trichomonas vaginalis, increasing resistance to metronidazole in parasite strains isolated in the Lombardy area of Italy

Resistance, Drug
Plasmodium falciparum, selection of increased quinine resistance in Aotus monkeys

Resistance, Drug
Plasmodium falciparum, humans, grade I chloroquine resistant strains: Bolivar State, Venezuela

Resistance, Drug
Goszczynska, K.; and Styczynska, J., 1977, Roczniki Panstwow. Zakl. Hig., v. 23 (2), 245-251
Pediculus humanus humanus, selection of laboratory strain reared through several generations aimed at induction of resistance to DDT and lindane; resistance developed to DDT but not to lindane

Resistance, Drug
Boophilus microplus, new strain 22, strain G, phosphorus-resistance to various acaricides compared; acetylcholinesterase activity of strain 22 was markedly less than that of strain G

Resistance, Drug
Boophilus microplus, strain B, inheritance of phosphorus resistance to delnav is genetically conditioned

Resistance, Drug
Schistosoma mansoni, human hepatointestinal form, resistance to hycanthone and oxamniquine: Brazil

Resistance, Drug
Gunawan, M.; et al., 1979, Research Vet. Sc., v. 27 (1), 111-115
Haemonchus contortus, Trichostrongylus colubriformis, efficacies of fenbendazole and albendazole against developing and adult stages of benzimidazole-resistant strains, sheep (exper.)

Resistance, Drug
Hall, C. A.; et al., 1978, Research Vet. Sc., v. 25 (3), 364-367
Haemonchus contortus, Trichostrongylus colubriformis, resistant strains selected with thiabendazole, dose response lines for 8 benzimidazole anthelmintics and thiophanate

Resistance, Drug
Haemonchus contortus, Trichostrongylus colubriformis, levels of benzimidazole resistance recorded from an egg hatch test procedure

Resistance, Drug
ticks, resistance survey of field strains to commonly used ixodicides, changeover from arsenic to dioxathion dipping of cattle, dramatic improvement in tick control, necessitates complete overhaul of dipping facilities and retraining of personnel: Tribal Trust Lands of Rhodesia

Resistance, Drug
Boophilus microplus, possible spread of organophosphate-resistant strain, cattle, case history, implications for control of ticks and tick-borne diseases: Rhodesia

Resistance, Drug
Entamoeba sp. (Laredo isolate), morphologically distinct colchicine-resistant variant, properties compared to those of parent strain

Resistance, Drug
Injeyan, H.; Huebner, E.; and Meerovitch, E., 1979, J. Protozool., v. 26 (2), 253-259
Monensin-treated flocks, monensin sensitivity tests revealed no monensin-resistant strains of Haemonchus contortus and Trichostrongylus colubriformis: Australia

Resistance, Drug
Jeffers, T. K., 1978, Avian Dis., v. 22 (1), 157-161
Eimeria tenella isolants obtained from monensin-treated flocks, monensin sensitivity tests revealed no monensin-resistant isolants

Resistance, Drug
Joyner, L. P.; and Norton, C. C., 1978, Parasitol. v. 76 (3), 369-377
Eimeria maxima, activity of methyl benzoquate and clopidol, synergy shown to be supra-additive, collateral sensitivity could not be demonstrated in resistant lines, effect of Lerbek against standard and drug-resistant lines, resistance transfer experiments with clopidol- and methyl benzoquate-resistant lines, preparation of bi-resistant lines, attempts to develop Lerbek-resistant strain
Resistance, Drug
Schistosoma mansoni, isolation of drug resistant strain (WW strain), reactions in mice to therapy with hygancethone, niridazole and oxamniquine compared with reactions of LE drug sensitive strain

Resistance, Drug
Trichomonas vaginalis, round strain of parasite thought to be particularly virulent and resistant to various trichomonacides, therapy trials with fasigyn 500, varying treatment results

Resistance, Drug
Plasmodium falciparum, chloroquine-resistance, 2 case reports of people having travelled in Africa

Resistance, Drug
Kelly, J. D.; et al., 1978, Research Vet. Sc., v. 25 (3), 376-385
Haemonchus contortus, effect of changes in genetic constitution associated with development of benzimidazole resistance on physiological characteristics of parasitic and free-living stages (infectivity, pathogenicity, exsheathment response, etc.)

Resistance, Drug
P [Plasmodium] falciparum, chloroquine-resistant strain reported in young child, therapy with doxycycline + chloroquine resulted in cure: Zambia

Resistance, Drug
Koontz, L. C.; et al., 1979, Exper. Parasitol., v. 48(3), 206-212
Plasmodium berghei, mice infected with clindamycin-resistant parasites, uptake of clindamycin and its metabolites by erythrocytes, impaired uptake is not mechanism of resistance

Resistance, Drug
Krylov, V. F., et al., 1975, Parazitologiia, Leningrad, v. 9 (1), 82-91
Eimeria tenella, mechanisms of resistance to glycamide

Resistance, Drug
Krylov, V. F., 1978, Veterinariia, Moskva (10), 68-69
Eimeria tenella strain resistant to pharmacocid after 35 laboratory passages in chickens, cross-resistance only to rigecoccin

Resistance, Drug
Kutzman, R. S.; and Roberts, J. F., 1978, Comp. Biochem. and Physiol., v. 61C (1), 141-145
Crithidia fasciculata, adaptation to growth in presence of carbonyl cyanide mchlorophenylhydrazone is apparently a physiological and not a genetic phenomenon, retention of this adaptive ability reported only in free-living protozoa is of interest from evolutionary standpoint and when considering drug resistance

Resistance, Drug
Eimeria tenella, drug-resistant field strains, White Leghorn chickens, single and low-level oocyst infections, treatment with robenidine or decoquinate

Resistance, Drug
Ostertagia circumcincta, O. trifurcata, sheep (exper.), effectiveness of levamisole, thiabendazole, albendazole, and oxendazole against levamisole-resistant strains

Resistance, Drug
levamisole resistant Ostertagia circumcincta and O. trifurcata, sheep, cross resistant to morantel tartrate but not to naphthalophos

Resistance, Drug
Haemonchus contortus, thiabendazole resistance in field populations, use of egg hatch assay to detect low but significant levels of resistance: Northern Tablelands of New South Wales

Resistance, Drug
Le Jambre, L. F.; Royal, W. M.; and Martin, P. J., 1979, Parasitology, v. 78 (2), 107-119
Haemonchus contortus, thiabendazole resistance is inherited as an autosomal and semi-dominant trait

Resistance, Drug
Trichostrongylus colubriformis, linear dose responses of selected and unselected strains to thiabendazole, levamisole, and morantel tartrate

Resistance, Drug
Ostertagia circumcincta, development of simultaneous resistance to thiabendazole, morantel tartrate, and levamisole, multiple selection associated with increase in O. trifurcata in population and increase in larvae inhibition

Resistance, Drug
chloroquine-resistant Plasmodium falciparum, in vitro response to mefloquine, microtechnique system

Resistance, Drug
Amblyomma variegatum, A. lepidum, baseline data on susceptibility to oxamniquine
Resistance, Drug
Lourens, J. H. M.; and Lyaruu, D. M., 1979, PANS, v. 25 (2), 135-142
Rhipicephalus evertsi evertsi, identification and inheritance of resistance factors to organochlorine acaricides, experimental hybrids between susceptible and resistant strains

Resistance, Drug
Rhipicephalus evertsi evertsi, susceptibility of organochlorine susceptible and resistant East African strains to ten cholinesterase inhibiting acaricides

Resistance, Drug
Eimeria tenella. chickens, robenidine protected against cecal coccidiosis initiated by parasite strain with no previous drug exposure, no cross resistance found with resistant strains resistant to other anticoccidials, when the sensitive strain was serially propagated in chickens medicated with robenidine it became resistant, no cross resistance found when this experimental strain was tested against 12 other anticoccidials

Resistance, Drug
Ostertagia circumcincta, O. trifurcata, larval paralysis as in vitro assay of levamisole and morantel tartrate resistance

Resistance, Drug
Trichomomas foetida, metronidazole-resistant and susceptible strains, in vitro susceptibility testing, results suggest that the two strains differ in regulation of internal redox systems and underscore the role that testing methods may play in the in vitro detection of nitroimidazole-resistant protozoa parasites

Resistance, Drug
Trichomonas vaginalis, isolation of strain resistant to metronidazole and other 5-nitroimidazoles

Resistance, Drug
Eimeria tenella field strain, sensitivity against 3 anticoccidial drugs

Resistance, Drug
Plasmodium falciparum, P. vivax, prevalence survey in hospital patients, discussion of changes in prevalence with introduction of chloroquine resistant strains of P. falciparum, treatment trials with various malarial drugs: Brazil

Resistance, Drug
Nguyen-Dinh, P.; and Trager, W., 1978, Science (4348), v. 200, 1397-1398
Plasmodium falciparum, African strain, production of chloroquine resistance in vitro

Resistance, Drug
Boophilus microplus, range of resistant strains on naturally and experimentally infected cattle, field and stall spraying trials, efficacy of synthetic pyrethroids for tick control, potentiation of pyrethroids by organo-phosphorus compounds

Resistance, Drug
Eimeria maxima, development of resistance to Lerbek, appearance of and subsequent selection for abnormal bisporocystic oocysts

Resistance, Drug
Panitz, E., 1979, Parasitology, v. 78 (1), 35-40
Eimeria spp., chicks, anticoccidial efficacy and cross-resistance patterns of N,N'-bis[3,4 ditrifluoromethylphenyl) methylmalonamide compound have no practical application because of weight gain depression

Resistance, Drug
Schistosoma mansoni, observations on oxamniquine therapy: treatment of children, drug resistance of human strain as well as its resistance to hyacanthone, hepatic histopathology during therapy, neurotoxic effects, treatment of mixed salmonellosis infection

Resistance, Drug
Peters, W., 1974, Ciba Found. Symp., n.s. (20), 309-334
trypanosomiasis, leishmaniasis, drug resistance, review

Resistance, Drug
parasites, resistance to chemical agents, modern aspects, brief review

Resistance, Drug
Toxoplasma gondii, lack of adenosine kinase is biochemical basis for resistance to adenosine arabinoside in mutant
Resistance, Drug
Plasmodium falciparum, woman, case report, probable resistance to chloroquine, successfully treated with quinine: South Africa (had recently returned from Mozambique)

Resistance, Drug
Haemonchus contortus, Trichostrongylus colubriformis, sheep, thiabendazole, fenbendazole, concentrations of anthelmintics or their radiolabelled metabolites in parasite tissues after administration to host, differences between amount of each anthelmintic incorporated by susceptible and resistant parasite strains and between the two parasites, effect of route of administration on anthelmintic concentration in parasite tissue and host plasma

Resistance, Drug
Boophilus microplus, 6 Jamaican strains, patterns of resistance to acaricides

Resistance, Drug
Plasmodium berghei in chloroquine resistant white mice, results of treatment with combinations of proguanil and dapsone

Resistance, Drug
Reich, C. I.; et al., 1978, Exper. Parasitol., v. 44 (1), 50-55
Boophilus microplus, 2 Argentinian strains, one resistant and one sensitive to organophosphate acaricides, differences in cholinesterase system

Resistance, Drug
Eimeria maxima (Weybridge) and E. maxima (indentata) were distinguished by electrophoretic mobility of phosphoglucomutase, this enzyme was used as marker to detect genetic transfer of methyl benzoxate resistance between resistant and sensitive lines of these parasites

Resistance, Drug
Rosario, V. E.; et al., 1978, Lancet, London (8057), V. 1, 185-187
Plasmodium chabaudi, infection of mice with mixtures of drug-resistant (pyrimethamine or chloroquine) and drug sensitive strains, resulting infections were maintained in absence of drugs with some persistence of resistant forms over sensitive forms

Resistance, Drug
Plasmodium falciparum, fansidar-resistant malaria in case also resistant to chloroquine: Indonesia

Resistance, Drug
Ryley, J. F.; and Hardman, L., 1978, J. Parasitol., v. 64 (5), 878-881
Eimeria acervulina, E. mivati, speciation studies (cross-immunity and drug resistance studies), some immunological relationship was demonstrated but the failure of the 2 organisms to interbreed in the drug resistance studies lends support to status of E. mivati as distinct species

Resistance, Drug
Salles, A. de A.; et al., 1977, Rev. Ginec. e Obst., Sao Paulo, v. 134 (3-4), 59-64
Trichomonas vaginalis, identification of "still" forms of parasites after therapy with single dose tinidazole, possible drug resistance in persons thought to be cured, need for treatment of sexual partners as additional precaution

Resistance, Drug
Sangster, N. G.; et al., 1979, Research Vet. Sc., v. 26 (1), 85-89
Trichostrongylus colubriformis, Haemonchus contortus, benzimidazole-resistant strains, sheep (exper.), efficacy of fenbendazole given as single or divided dose

Resistance, Drug
Sangster, N. G.; et al., 1979, Research Vet. Sc., v. 27 (1), 106-110
Trichostrongylus colubriformis, Ostertagia circumcincta, Merino and crossbred sheep, field observations and preliminary critical trials showed varying degrees of drug resistance to levamisole hydrochloride, morantel tartrate, and thiabendazole; differences in infectivity and drug efficacy between breeds: Australia

Resistance, Drug
Trichostrongylus colubriformis, levamisole-resistant strain in lambs

Resistance, Drug
Haemonchus contortus, thiabendazole-resistant strain, sheep, fenbendazole

Resistance, Drug
Trichostrongylus colubriformis, levamisole resistant strain, sheep, dl-tetramisole, thiabendazole: Itaqui county, RS

Resistance, Drug
Plasmodium falciparum and P. vivax in Aotus trivirgatus griseimembra, methods employed in search for new blood schizonticidal drugs

Resistance, Drug
Plasmodium falciparum and P. vivax in Aotus trivirgatus griseimembra, strains resistant to chloroquine, quinine, or pyrimethamine, antimalarial properties of selected 2,4-diamino-6-substituted quinazolines
Resistance, Drug
Plasmodium falciparum, P. vivax, various drug-resistant and drug-susceptible strains in Aotus trivirgatus griseimembra, capacity of sulfadiazine to enhance activities of WR-158,122 and WR-159,412

Resistance, Drug
Plasmodium falciparum in Aotus trivirgatus, activities of various 4-aminquinolines against chloroquine-resistant and -susceptible strains, observations confirm cross-resistance among 4-aminquinolines but indicate that some derivatives may be therapeutically effective against infections refractory to maximally tolerated doses of chloroquine

Resistance, Drug
Boophilus microplus, mechanisms of resistance of 2 strains to bromophos-ethyl

Resistance, Drug
Seilhamer, J. J.; and Byers, T. J., 1978, J. Protozool., v. 25 (4), 486-489
Acanthamoeba castellanii, mutants resistant to erythromycin, chloramphenicol, and oligomycin

Resistance, Drug
Plasmodium falciparum, occurrence of chloroquine-resistant infection in Bangladeshi girl with acute lymphoblastic leukaemia

Resistance, Drug
Eimeria mivati and E. mivati var. diminuta strains differing in sensitivity to sulphamethazine and electrophoretic mobility of lactate dehydrogenase crossed; electrophoretic variation of enzymes a further marker for genetic studies

Resistance, Drug
Haemonchus contortus and Trichstrongylus colubriformis in sheep (exper.), instability of egg resistance to benzimidazoles, cross resistance between drugs (thiabendazole, cambendazole, mebendazole, parbendazole, oxibendazole)

Resistance, Drug
Crithidia oncopelti, comparative study of ultrastructure, cultures differing in sensitivity to olivomycin; lipid drops in cytoplasm of resistant protozoa; nature of action of olivomycin on sensitive parasites

Resistance, Drug
Suterhst, R. W.; et al., 1979, J. Applied Ecol., v. 16 (2), 359-382
Boophilus microplus, cattle, analysis of 3 control methods used separately and in combination (acaricides, pasture spelling, tick-resistant cattle), computer model of tick population: Australia

Resistance, Drug
Chloroquine-resistant Plasmodium falciparum, mathematical models used in analysis of factors that determine optimal strategies for long-term use of chemical control, management of acaricide resistance: south-eastern Queensland, Australia

Resistance, Drug
Haemonchus contortus, sheep (nat. and exper.), efficiency of various anthelminitics against field populations resistant to thiabendazole, results confirm the usefulness of levamisole, naphthalophos, and rafonoxide for this purpose, haloxon and nitroxynil are also useful chemical alternatives

Resistance, Drug
Haemonchus contortus, sheep, resistance to oxendazole: New South Wales

Resistance, Drug

Resistance, Drug

Resistance, Drug
Boophilus, resistance to ixodicides due to altered site of drug action, altered rate of tick metabolism, and/or altered rate of drug transportation, review
Resistance, Drug
Trypanosoma cruzi epimastigotes, epoxide hydrase, characterization, may be important in detoxication of drugs
Resistance, Host
[See also Immunity]
Resistance, Host
Fasciola hepatica, cattle, resistance to re-infection, increases in plasma glutamate dehydrogenase and gamma-glutamyl transferase activities after first infection but not second, gross pathology of liver, less damage from second infection
Resistance, Host
Anderson, R. M., 1978, Parasitology, v. 77 (2), 201-224
snail infection by miracidia, population framework and Basic Model, rate of infection, infective stage density, host density, role of chance, miracidial mortality and age-dependency infective, heterogeneity between snails with respect to susceptibility and 'attractiveness'
Resistance, Host
Transversotrema patialense infections in Brachydanio rerio, overdispersion in distribution of successful infections/host can be generated within laboratory infection arenas, degree of over-dispersion or aggregation of parasites within host population increases as both infective-stage density and time of exposure to infection increases, stochastic simulation studies demonstrate that heterogeneity in host susceptibility to infection is probable generative cause of such patterns, variability in host susceptibility is most probably generated by differences in behavior
Resistance, Host
Fasciola hepatica, mice of various strains, considerable differences in susceptibility and mortality among strains, problem in chemotherapeutic studies, attempt to find strain susceptible to infection but refractory to damage
Resistance, Host
Plasmodium vivax/ovale, prevalence rates for Nilotic and Hamitic-Semitic populations residing together in small town, show that the two ethnic groups are innately different in susceptibility to patent infection with vivax malaria: Ethiopia
Resistance, Host
Schistosoma mansoni, onset of rejection in laboratory rats is dependent on parasite age and independent of length of contact with host, possible immune and nonimmune mechanisms

Resistance, Host
Civil, R. H.; and Mahmoud, A. A. F., 1978, J. Immunol., v. 120 (3), 1070-1072
Bacillus Calmette-Guerin (BCG) induces non-specific resistance to Schistosoma mansoni in only certain strains of inbred mice, BCG-induced protection does not correlate with increases in spleen weight and is not associated with genes of the major histocompatibility complex of the mouse

Resistance, Host
Schistosoma mansoni, mice, non-specific resistance induced by bacille Calmette-Guerin, variables associated with source and strain of BCG, dose, route, and timing of mycobacterial administration, and duration of protection

Resistance, Host
Clark, I. A., 1979, Parasite Immunol., v. 1 (3), 179-198
Babesia microti, mice, protection against subsequent infection by injection of cord factor, COAM, zymosan, glucan, Salmonella, or Listeria

Resistance, Host
Echinococcus granulosus, mice and Meriones unguiculatus, effect of egg dose, host age, and host sex on susceptibility to primary infection, increased resistance with increased age but no differences with sex

Resistance, Host
Plasmodium falciparum, P. vivax (2 strains), Anopheles freeborni (exper.), susceptibility of natural and selected pupal color phenotypes to infection

Resistance, Host
Cuperlovic, K.; Altaif, K. I.; and Dargie, J. D., 1978, Research Vet. Sc., v. 25 (1), 125-126
sheep with hemoglobin AA showed better antibody response to some non-parasitic antigens than those with hemoglobin BB, results indicate that greater resistance of the former sheep to gastrointestinal nematodes is a reflection of superior immunological competence

Resistance, Host
Ascaridia galli, 100 day old roosters, spontaneous dehelmintization after 13 days indicate augmented resistance; ascorbic acid diminished in adrenal gland on thirteenth day but normal in liver and blood serum; older chickens have lesser blood changes

Resistance, Host
Cvetkovic, Lj.; et al., 1978, Acta Parasitol. Yugoslavica, v. 9 (2), 75-79
Haemonchus contortus-infected sheep, genetic resistance, cigaja breed more resistant to infection than merino breed

Resistance, Host
Dargie, J. D.; et al., 1979, Research Vet. Sc., v. 26 (2), 245-247
Trypanosoma brucei, Ndama and Zebu cattle (exper.), blood volumes and erythrokinetics, susceptibility differences between breeds

Resistance, Host
Dargie, J. D.; et al., 1979, Parasitology, v. 78 (3), 271-286
Trypanosoma congolense-infected Ndama and Zebu cattle, red cell kinetics, concluded that anemia and its underlying processes are broadly in line with number of parasites in blood and that superior resistance of Ndama cattle lies in ability to control parasitemia rather than capacity to mount more efficient erythropoietic response

Resistance, Host
Dean, D. A.; et al., 1978, Am. J. trop. Med. and Hyg., v. 27 (5), 951-956
Schistosoma mansoni, mice receiving unisexual primary infection did not develop detectable resistance to reinfection, mice receiving bisexual primary infection developed high degree of resistance

Resistance, Host
Dean, D. A.; et al., 1978, Am. J. trop. Med. and Hyg., v. 27 (5), 957-965
Schistosoma mansoni, mice, resistance to secondary infection, evidence for correlation between egg deposition and worm elimination

Resistance, Host
Devereux, D.; and Ash, L. R., 1978, J. Parasitol., v. 64 (1), 115-118
Brugia pahangi in female Meriones unguiculatus, effects of host age at inoculation on prepatent periods, microfilaremias, and worm burdens, results demonstrate increased susceptibility with age

Resistance, Host
Dictyocaulus filaria, goats more susceptible than sheep

Resistance, Host
D'hondt, J.; et al., 1979, Nature, London (5739), v. 282, 613-615
Trypanosoma brucei subsp., trypanocidal activity of normal human serum: Ca^{2+} is essential cofactor, α2 macroglobulin might function as Ca^{2+} carrier, suppression by D-glucose, D-fructose, and D-mannose, glycerol has opposite effect
Resistance, Host


Fasciola hepatica, nature and characteristics of cross protection produced in sheep by infection with Cysticercus tenuicollis, mechanism unknown, may be immunological

Resistance, Host


Echinostoma audyi, Hypodermis dingeri, unsuccessful attempts to induce acquired resistance in Lymnaea stagnalis, Echinostoma using irradiated miracidia, amebocytic response to irradiated parasites was slow, no obvious enlargement of amebocyte-producing organ, no resistance to homologous challenge; development of acquired resistance may be related to speed with which snails destroy irradiated sporocysts

Resistance, Host

Dubey, J. P., [1979], J. Parasitol., v. 64 (6), 1978, 1021-1023

Toxocara canis, ascariid-naive pups vs. adult dogs fed graded doses of eggs to examine age-related resistance, results indicate resistance to patent intestinal infection is in part related to dose of eggs

Resistance, Host


Intestinal helminths, pigs, selective breeding for natural resistance, greatest resistance observed against ascaris

Resistance, Host


Nippostrongylus brasiliensis, rats (exper.), effect of iron and protein deficiency on acquired resistance to reinfection, results demonstrate that this deficiency profoundly alters host/helmint relationship and enhances parasite survival and propagation, suggested that anthelmintic programs be accompanied by nutritional supplementation

Resistance, Host


Toxoplasma gondii, wild hamster (Cricetus cricetus) highly susceptible to infection especially when parasite introduced intranasally, epidemiological implications

Resistance, Host


Plasmodium berghei-infected mice (exper.), vitamin E deficiency increases severity of infection since premature, oxidant-induced hemolysis of infected erythrocytes prevents orderly parasite maturation, restoration of susceptibility to malaria by vitamin E supplementation, observations provide basis for selective advantage of G-6-PD deficiency in areas of endemic malaria

Resistance, Host


Plasmodium berghei may utilize host-cell NADPH for maintenance of parasite glutathione, these observations may elucidate both parasite-induced red cell oxidant damage and mechanism whereby glucose-6-phosphate dehydrogenase deficiency protects against fulminating malaria infection

Resistance, Host

Ellner, J. J.; and Mahmoud, A. A. F., 1979, J. Immunol., v. 123 (2), 949-951

Schistosoma mansoni, killing of schistosomula by normal human monocytes independent of specific antibody, complement, and macrophage activation

Resistance, Host


Trypansomia vivax, Zebu vs. Muturu cattle (exper.), differences in innate resistance, comparison of haematological, clinical, and serological responses

Resistance, Host


Gastrointestinal helminths, cattle breeding, therapeutic and prophylactic control, nutrition and selection of resistant strains of cattle, extensive review: west Europe

Resistance, Host


Brugia malayi, infection of cats with sub-periodic Brugia showed that immature cats were more susceptible to infections but that cats of all ages could be infected, there was no demonstrable difference in susceptibility between male and female cats

Resistance, Host


Mice, induction of inflammatory reactions with non-biodegradable, non-diffusible, and non-antigenic substances at site distant from site of pathogen proliferation or persistence, increased resistance to various pathogens including Schistosoma mansoni, fraction extracted from granuloma is responsible at least in part for this increased resistance

Resistance, Host

Frandsen, F., 1979, Ztschr. Parasitenk., v. 58 (3), 275-296

Schistosoma spp., relationships with intermediate host snails, need for standardization of materials and methods for studying, assessment of degree of host-parasite compatibility, evaluation of schistosome taxonomy, review

Resistance, Host


Plasmodium berghei, comparison of infected mice subjected to electric shock stimulation and infected controls showed that mice subjected to stress were more resistant to infection than were controls
Resistance, Host
Toxoplasma gondii, Besnoitia jeffersoni, Listeria, and virus infections in mice and hamsters, challenge with homologous and heterologous species, components of specific immunity and nonspecific resistance

Resistance, Host
Plasmodium falciparum, development in cells with sickle cell hemoglobin, results suggest that mechanism of sickle cell resistance in vivo may be due solely to intraerythrocytic conditions

Resistance, Host
Plasmodium falciparum, α- and ß-thalassaemia trait red cells from adults, fetal red cells, and glucose-6-phosphate dehydrogenase deficiency red cells are refractory to parasite development because of oxidant sensitivity

Resistance, Host
Friedman, M. J.; et al., 1979, Am. J. Trop. Med. and Hyg., v. 28 (5), 777-780
Plasmodium falciparum, in vitro cultures, host cell competence of abnormal hemoglobin-containing erythrocytes, evolutionary significance of results

Resistance, Host
Friedman, M. J.; et al., 1979, Exper. Parasitol., v. 47 (1), 73-80
Plasmodium falciparum, intraerythrocytic conditions in infected cells, changes which would alter sickling behavior of infected AS cells, potassium levels in sickled AS cells, effect of decreased potassium on parasite survival

Resistance, Host
Fustish, C. A.; and Millemann, R. E., 1978, J. Parasitol., v. 64 (1), 155-157
Margaritifera margaritifera glochidia, host response to exper. infection, well developed hyperplasia in Oncorhynchus tshawytscha compared with slight response in O. tsawatscha, may be important in greater resistance of former host to infection

Resistance, Host
Garriss, G. T.; et al., 1979, J. Econom. Entom., v. 72 (6), 869-872
Amblyomma americanum, infestations and biotic potential on Brahman and Hereford cattle compared under field conditions: eastern Oklahoma

Resistance, Host
breeding for genetic resistance to disease, specific vs. general disease resistance

Resistance, Host
Ostertagia circumcincta, lambs (exper.), effect of different levels of larval intake on egg output and worm burden, protection against reinfection conferred by low level of initial infection, implications for husbandry practice

Resistance, Host
Ginner, R. E., 1979, J. Parasitol., v. 65 (2), 288-292
Cuterebra fontinella, susceptibility of Peromyscus leucopus in relation to host age, dietary levels of vitamin A, and previous infestation history

Resistance, Host
Plasmodium falciparum, Nigerian woman, severe malarial attack within hours of giving birth to normal twins, at age 2 months one infant developed non-febrile hemolytic anemia resulting from prenatal parasitic infection, other infant possibly protected by partial glucose-6-phosphate dehydrogenase deficiency: Switzerland

Resistance, Host
Entamoeba histolytica, susceptibility of various strains of mice to liver inoculation, infections were obtained in 6 of 9 strains but no strain was consistently susceptible

Resistance, Host
Griffin, L.; and Allonby, E. W., 1979, Vet. Parasitol., v. 5 (2-3), 97-105
Trypanosoma congolense, sheep, goats, susceptibility of various breeds to experimental infection

Resistance, Host
Trichinella spiralis, mice, BCG alters host-parasite relationship producing retention of adult worms in gut, reduction in severity of partial villous atrophy, and increased nonspecific resistance to systemic larval phase of parasite

Resistance, Host
Haggerty, R. M.; and John, D. T., 1978, Infect. and Immun., v. 20 (1), 73-77
Naegleri fowleri in mice, infecting dose and age, sex, and strain of host are important variables that markedly affect innate resistance to infection

Resistance, Host
Ornithonyssus sylviarum in roosters receiving varying doses of estradiol, slight increase in mite resistance, compared to mite resistance in untreated pullets, results indicate that estrogen alone may not be responsible for difference in mite susceptibility between male and female birds
Resistance, Host
Ornithonyssus sylviarum, roosters (exper.), increased host resistance in response to high levels of social interaction or dietary administration of steroids

Resistance, Host
Leishmania tropica, susceptibility in intact and nude mice of various genotypes and at level of macrophage in vitro, possible nature of immunological defect responsible for persistent disease in susceptible mouse strains

Resistance, Host
Hosaka, Y.; and Berry, E. G., 1975, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 24 (5), 318-331
Schistosome miracidial immobilization caused by tissue extracts prepared from various species or strains of snails, characteristics of immobilizing activity in snail tissues

Resistance, Host
Babesia divergens, B. major, attempt to infect mice (nu/nu, nu/+), nu/nu splenectomized, and Lasat, neither parasite became established, B. divergens persisted up to 10 days, B. major lasted only 1 day, B. divergens persisted longer in splenectomized mice but absence of thymus made no apparent difference

Resistance, Host
Iwanaga, Y., 1976, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 25 (2), 59-68
Schistosoma japonicum in laboratory colonies of Oncomelania hupensis nosophora, infection rates and survival

Resistance, Host
Iwanaga, Y., 1976, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 25 (2), 69-79
Schistosoma japonicum (Yamanashi strain) in laboratory colonies of Oncomelania spp. of different geographic strains, infection rate

Resistance, Host
Jaouni, G. E., 1979, Exper. Parasitol., v. 47 (1), 54-64
Entamoeba histolytica, genetic control of susceptibility in chicken eggs

Resistance, Host
Plasmadium berghei berghei, selection of a fully susceptible strain of Anopheles atroparvus, not possible to obtain a completely refractive strain, effect of reciprocal matings between susceptible and refractive strains and of backcrosses of F1 offspring with these strains on susceptibility

Resistance, Host
Echinococcus multilocularis, AKR mice, age and sex difference in host resistance

Resistance, Host
Karna, D. W.; and Møllemand, R. E., 1978, J. Parasitol., v. 64 (3), 528-537
Margartifera margaritifera, comparative susceptibility of 4 species of salmonid fish determined by examination of caged and uncaged (native) fish, parasite development and associated histopathological glochidia development in mussels in relation to temperature: Siletz River, western Oregon

Resistance, Host
Kassim, O. O.; and Richards, C. S., 1978, Exper. Parasitol., v. 46 (2), 213-221
Schistosoma mansoni, levels of lysozyme activity in Biomphalaria glabrata (hemolymph, digestive gland, and headfoot extracts) during infection with compatible and incompatible parasite strains, results suggest that lysozyme does not by itself play a major role in the destruction of a schistosome infection in a resistant snail host

Resistance, Host
Kassim, O. O.; and Richards, C. S., 1979, Internat. J. Parasitol., v. 9 (6), 565-570
Schistosoma mansoni, host reactions to miracidia in 2 strains of Biomphalaria glabrata, involving variations in parasite strains and in numbers and sequences of exposures

Resistance, Host
Schistosoma mansoni, children and adults living in endemic areas, influence of age and worm burden on re-infection after specific therapy: State of Minas Gerais, Brazil

Resistance, Host
Kendall, S. B.; et al., 1978, J. Comp. Path., v. 88 (1), 115-122
Fasciola hepatica, cattle highly resistant to re-infection after initial infection had been terminated by anthelmintic treatment 3 or 22 weeks previously, 82% reduction in worm burden of reinfected cattle, much smaller number of flukes recovered from reinfected animals, precipitin production less in response to second infection than primary infection

Resistance, Host
Klesius, P. H.; et al., 1979, Clin. Immunol. and Immunopathol., v. 12 (2), 143-149
Eimeria ferrisi, C57BL/6 mice, effects of immunization and treatment with transfer factor, results suggest this host strain has genetically determined defect in cell-mediated immune response to this infection

Resistance, Host
Klesius, P. H.; and Hinds, S. E., 1979, Infect. and Immun., v. 26 (3), 1111-1115
Eimeria ferrisi, comparison of susceptibility in various inbred and F1 hybrid mouse strains and in nu/nu and nu/+ BALB/c mice, effect of treatment with rabbit anti-mouse thymocyte serum

Resistance, Host
Cooperia spp., half sib groups of Dutch Friesian calves (nat. and exper.), number and length of worms, egg output, serum antibodies, liveweight gain, concluded that within this breed genetic variation exists in resistance to Cooperia spp.
Resistance, Host
Boophilus microplus, rejection of larvae from British breed cattle with different levels of resistance, relationship to grooming response

Resistance, Host
Orientobilharzia turkestanicum, susceptibility of various aquatic snails to infection, determination of pre-patent period in natural vector, and observation of age-resistance of snails to infection: Kashmir (suburb of Srinagar)

Resistance, Host
Romanningermis culicivorax, susceptibility of S mosquito species to infection, relationship of nematode release point and dispersal to host parasitism

Resistance, Host
Trypanosoma vaginalis, inbred strains of mice differing in histocompatibility complex and multiple strain background genes, resistance or susceptibility differences dependent on genes outside major histocompatibility complex

Resistance, Host

Resistance, Host
Trypanosoma lewisi, feral isolate, comparative activity in albino vs. black rats (parasitemia, trypanosome cell size and reproduction, development, trypanosome respiration), data show that albino rats were significantly more susceptible to infection than black rats

Resistance, Host
Brugia pahangi, ultrastructural basis of abnormal development in refractory Aedes aegypti

Resistance, Host
Lie, K. J.; and Heyneman, D., 1979, Internat. J. Parasitol., v. 9 (6), 533-537
Echinostoma spp., acquired resistance in 4 Biomphalaria glabrata strains

Resistance, Host
Lie, K. J.; and Heyneman, D., 1979, Internat. J. Parasitol., v. 9 (6), 539-543
Echinostoma spp., capacity of irradiated sporocysts to suppress natural host resistance to Schistosoma mansoni in schistosome-resistant Biomphalaria glabrata

Resistance, Host
Lie, K. J.; Heyneman, D.; and Richards, C. S., 1979, Internat. J. Parasitol., v. 9 (6), 529-531
Biomphalaria glabrata, specificity of natural resistance to trematode infections

Resistance, Host
Loker, E. S., 1978, Exper. Parasitol., v. 45 (1), 65-73
Schistosomatum douthitti, effect of age and of size of Lymnaea catascopium on miracidium-snail interactions and on susceptibility to infection, ingestion of miracidia and their subsequent penetration through esophageal wall, miracidial penetration of external snail surfaces was rare

Resistance, Host
Long, P. L.; and Millard, B. J., 1979, Parasitology, v. 78 (2), 259-247
Eimeria maxima, rejection by 'foreign' host (Numida meleagris); E. tenella, E. grenieri, survival of sporozoites in peritoneal macrophages from 'foreign' vs. normal hosts in vitro

Resistance, Host
Loose, L. D.; et al., 1978, Infect. and Immun., v. 20 (1), 30-35
polychlorinated biphenyl- and hexachlorobenzene-treated mice, impaired resistance to bacterial endotoxin and to Plasmodium berghei, data indicate that environmental chemicals impair host resistance and that the alteration may be related to presence of the chemicals in the lymphoreticular organs

Resistance, Host
Plasmodium vivax, high susceptibility of polychlorinated biphenyl- and hexachlorobenzene-treated mice, impaired resistance to bacterial endotoxin and to Plasmodium berghei, data indicate that environmental chemicals impair host resistance and that the alteration may be related to presence of the chemicals in the lymphoreticular organs

Resistance, Host
Mankau, S. K., 1975, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 24 (6), 379-384
Trypanosoma lewisi, white rats (exper.), sex difference in susceptibility to infection demonstrated, effect of gonadectomy and heterologous gonadal hormone treatment
Resistance, Host

Haemonchus contortus chemically terminated or concurrent with Nematodirus battus in lambs lowered reproductive capacity and inhibited development of N. battus, results consistent with density-dependent physiologically mechanism of population control involving changes in host alimentary physiology (abomasal pH and Na⁺ concentration).

Resistance, Host

Martin, S. K.; et al., 1978, Lancet, London (8062), v. 1, 466-468
Plasmodium falciparum, low erythrocyte pyridoxal-kinase activity in serum of non-infected black and white races in comparison to that of infected black persons; possible relation to malarial infection, possibly requirement of parasite.

Resistance, Host

Mascaro-Lazcano, C.; Osuna-Carrillo, A.; and Michelson, Trop. Med. and Hyg., v. 27 (6), 1069-1072
Trichinella spiralis, albino mice, influence of hormones on host resistance to infection.

Resistance, Host

Fasciola hepatica, sheep (exper.) maintained under grazing conditions, no evidence that previous infection conferred significant host resistance to future challenge.

Resistance, Host

Michel, J. F.; Lancaster, M. B.; and Hong, C., 1979, Parasitology, v. 79 (1), 157-168
Ostertagia ostertagi, cattle, effect of age, previous experience of infection, pregnancy, and lactation on resistance to establishment of worms, rate at which populations are turned over, and arrested development.

Resistance, Host

Schistosoma mansoni, susceptibility of 17 Biomphalaria glabrata populations to infection with allogenic parasite strain: Bahia, Brazil.

Resistance, Host

Miller, L. H.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (6), 1069-1072
Plasmodium vivax, 13 American blacks infected while in Vietnam were all Duffy blood group positive, lends support to hypothesis that Duffy negative genotype is basis for resistance of blacks to vivax malaria.

Resistance, Host

Miller, L.; et al., 1979, J. Exper. Med., v. 149 (1), 172-184
Plasmodium knowlesi, interaction between cytochalasin B-treated merozoites and erythrocytes, attachment and junction formation, results suggest that defect in invasion of Duffy-negative RBCs is at the step of junction formation.

Resistance, Host

Trypanosoma cruzi, comparative xenodiagnosis using 3 species of triatomes and materials from natural and experimental infections of man and animals; results show that interspecific differences of bloodmeal size and intrinsnic differences in susceptibility to infection between species of triatomes are limiting factors for standardization and interpretation of results.

Resistance, Host

Immunological and 'paraimmunological' responses to infection with metazoan and protozoan parasites in mouse models, extensive review.

Resistance, Host

Sickle cell disease subjects living in hyperendemic malarial area, numbers of malaria-infected persons, seroimmunologic test results, immunoglobulin levels, and age groups compared with subjects without sickle cell trait: Sudan savanna of Nigeria.

Resistance, Host

Trypanosoma congolense, marked differences in susceptibility of inbred strains of mice to infection, correlation with changes in spleen lymphocyte populations.

Resistance, Host

Morrison, W. I.; and Murray, M., 1979, Exper. Parasitol., v. 48 (3), 364-374
Trypanosoma congolense, mouse strains, genetic basis of observed differences in susceptibility to infection examined with Fl hybrids and backcrosses, influence of H-2 haplotype on susceptibility.

Resistance, Host

Toxoplasma gondii, calves (exper.), pregnant cows (exper.), antibody titres measured by indirect fluorescent antibody test and dye test, Toxoplasma reisolated from 3 of the 5 calves, no abortions in pregnant cows and no evidence of infection in their calves, concluded that cattle do not readily acquire persistent T. gondii infections.

Resistance, Host

Murray, M.; and Morrison, W. I., 1979, Parasitology, v. 79 (3), 349-366
Trypanosoma congolense, Trypanosoma brucei, non-specific induction of increased resistance in mice by immunostimulants.
Resistance, Host
parasitic (malaria, Schistosoma) and non-parasitic infections, Somali nomads, adverse effect of iron repletion on course of certain infections

Resistance, Host
Murrell, K. D.; et al., 1979, J. Parasitol., v. 65 (5), 829-831
Schistosoma mansoni, influence of mouse strain on induction of resistance with irradiated cercariae, no obvious or simple relationship to mouse H-2 haplotype

Resistance, Host
Boophilus microplus, 3 breeds of cattle, infestation rate, seasonal variation, breed susceptibility: Union Territory of Delhi

Resistance, Host
Neal, R. A.; and Harris, W. G., 1977, Protozoology, v. 3, 197-199
Entamoeba histolytica, susceptibility of various inbred strains of rats and mice

Resistance, Host
host-ectoparasite interactions, review: hematologic and clinical manifestations of infestation, arthropod antigens and host antibodies raised against them, manifestations of antigen-antibody interaction, histopathologic reactions of skin to arthropod feeding and acquired resistance to arthropods, genetics of host resistance, economic effects of parasitism, speculation on nature of innate and acquired resistance

Resistance, Host
Nelson, W. A.; Bell, J. F.; and Stewart, S. J., 1979, Exp. Parasitol., v. 48 (2), 259-264
Polyplax serrata, histopathology of skin in mice that do (CFW strain) and do not (C57BL strain) develop resistance

Resistance, Host
Toxoplasma gondii, B-1,3 glucan did not induce non-specific resistance in vivo (mice) or in vitro

Resistance, Host
Ascaris suum, rats (exper.), effect of isoenergetic fat diets on resistance, immunological and endocrine parameters

Resistance, Host
Norman, L. M.; and Hohenboken, W., 1979, J. Animal Sc., v. 48 (6), 1329-1337
parasites, foot soundness, and attrition, crossbred ewes, genetic and environmental effects (irrigated vs. nonirrigated pastures): western Oregon

Resistance, Host
host-tick interactions reviewed: tick feeding mechanism and innate and acquired host resistance; host specificity

Resistance, Host
Norval, R. A. I., 1978, J. Parasitol., v. 64 (5), 910-917
Amblyomma hebraeum, repeated feeding on rabbits and sheep, tick yield, engorged weight, and engorgement period, no acquisition of resistance by host, seasonal fluctuations in engorged weights appear to be due to changes in host physiology as result of low temperature acclimatization, tick yield is determined by amount of host grooming, feeding periods of larvae and nymphs are dependent on host skin temperature

Resistance, Host
Schistosoma mansoni, hepatic form, survey of racial admixture and ahaptoglobinemia, Negroes have higher resistance to development of severe infection than do other racial groups: Brazil

Resistance, Host
O'Grodnick, J. J., 1979, Tr. Am. Fish. Soc., v. 108 (2), 174-190
Myxosoma cerebralis, susceptibility of fry and fingerling salmonids in contaminated water supply at Cedar Run, Clinton County, Pennsylvania; Salvelinus namaycush completely refractory to infection

Resistance, Host
Omar, M. S.; and Zielke, E., 1978, Tropenmed. u. Parasitol., v. 29 (3), 364-370
Wuchereria bancrofti larvae, abortive development in refractory strain of Culex pipiens fatigans (exper.); from Liberia, West Africa

Resistance, Host
Oshima, T., 1976, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 25 (6), 447-455
Toxocara canis, specific-pathogen-free beagles vs. prenatally infected mongrel dogs dewormed before inoculation (exper.), larval migration and development, eosinophilia after primary and superinfection, age resistance

Resistance, Host
Brugia pahangi, levels of migration and exsheathment of microfilariae in species of Aedes scutellaris complex as indicators to distinguish between refractory and susceptible mosquitoes

Resistance, Host
Brugia pahangi, non-development in refractory Aedes malayensis, unsuccessful attempts to induce development by use of homogenates of susceptible mosquito species fed to females in sucrose solution, abnormal development in susceptible species fed corresponding regimen of A. malayensis homogenates

Resistance, Host
Schistosoma mansoni, susceptibility of experimentally infected Biomphalaria peregrina from Brazil and Ecuador
Resistance, Host
Parasite, W. L.; and Correa, L. R., 1978, J. Parasitol., v. 64 (5), 822-826
Schistosoma mansoni, differential susceptibility of Biomphalaria tenagophila (exper.) from 20 localities to infection with single strain of schistosomes, results seem to indicate that process of adaptation between S. mansoni and B. tenagophila is evolving, possible expansion of schistosomiasis to wide South American area where B. tenagophila occurs

Resistance, Host
Wuchereria bancrofti-infected parental stocks of Culex pipiens fatigans from non-endemic filariasis areas did not contain a major gene conferring refractiness to infection with urban Wuchereria bancrofti to their progeny

Resistance, Host
Plasmodium falciparum, hemoglobin S has detrimental effect on parasite proliferation, this involves both invasion into red cell and growth once inside and requires conditions of low oxygen tension, actual sickling of cells concerned is not necessary, provides explanation for protection of sickle cell heterozygotes against P. falciparum malaria and thus for high frequency of sickle-cell gene in parts of world where malaria is or has been endemic

Resistance, Host
Pasvol, G.; Weatherall, D. J.; and Wilson, R. J. M., 1979, Nature, London (5723), v. 274, 701-703
Plasmodium falciparum, hemoglobin S has detrimental effect on parasite proliferation, this involves both invasion into red cell and growth once inside and requires conditions of low oxygen tension, actual sickling of cells concerned is not necessary, provides explanation for protection of sickle cell heterozygotes against P. falciparum malaria and thus for high frequency of sickle-cell gene in parts of world where malaria is or has been endemic

Resistance, Host
Strongyulus vulgaris, ponies (exper.), changes in serum proteins, increased IgT concentration, repeated exposure to small doses of larvae resulted in a significant degree of acquired resistance against a challenge dose

Resistance, Host
Perez, H.; Labrador, F.; and Torrealba, J. W., 1979, Internat. J. Parasitol., v. 9 (1), 27-32
Leishmania mexicana, variations in response of 5 strains of mice (course of infection, delayed type hypersensitivity response, humoral antibody production), crossing experiments between resistant and susceptible strains suggest that resistance is inherited as dominant character

Resistance, Host
Hymenolepis nana var. fraterna, development of non-encapsulated cysticercoids in haemocoels of Leucophaea maderae after inhibition of haemocytic reaction by means of irradiation or injection of soluble antigen of H. nana, fine structure of tegument of free larvae in relation to mechanism of possible defense of parasite against host reaction

Resistance, Host
Petersen, J. J.; and Chapman, H. C., 1979, J. Med. Entom., v. 15 (5-6), 466-471
Checklist of mosquito species tested against Romanomermis culicivorax, natural infections, laboratory or field exposure, susceptibility index, and source references

Resistance, Host
Patterson, J. M.; and Allonby, E. W., 1978, Vet. Rec., v. 103 (23), 509-512
Haemonchus contortus, comparison of susceptibility of 4 breeds of sheep and 3 breeds of goats to experimental infection while maintained on both high and low planes of nutrition: Kenya

Resistance, Host
Patterson, J. M.; and Allonby, E. W., 1979, Research Vet. Sci., v. 26 (2), 134-139
Haemonchus contortus, relative resistance of 6 breeds of sheep: Kenya

Resistance, Host
Patterson, J. M.; and Allonby, E. W., 1979, Internat. J. Parasitol., v. 9 (1), 27-32
Leishmania mexicana, variations in response of 5 strains of mice (course of infection, delayed type hypersensitivity response, humoral antibody production), crossing experiments between resistant and susceptible strains suggest that resistance is inherited as dominant character
Resistance, Host
Leishmania tropica major, experimental cutaneous leishmaniasis, anergy and allergy in cellular immune response during non-healing infection in different strains of mice

Resistance, Host
Prowse, S. J.; et al., 1979, Parasite Immunol., v. 1 (4), 277-288
Nematodirus dubius, 7 inbred strains of mice, differences in natural resistance to primary infection and in development of resistance to challenge infection, host sex differences, IgG1 and IgG2a concentrations

Resistance, Host
Fasciola hepatica, rats, effectiveness of different developmental stages of parasite in stimulating resistance to challenge infection, all implanted stages conferred significant degree of protection with the exception of adult worms

Resistance, Host
Schistosoma bovis from Salamanca, Spain, receptivity of different populations of Planorbias metjedtis, Bulinus truncatus, and Biomphalaria glabrata

Resistance, Host
Randolph, S. E., 1979, Parasitology, v. 79 (1), 141-156
Ixodes trianguliceps, manifestations of acquired resistance in successive infestations of unnatural host (laboratory mice) but not of natural host (Apodemus sylvaticus), relevance to concept of host-parasite co-evolution and to tick population regulation

Resistance, Host
Rifkin, G. G.; and Dobson, C., 1979, Vet. Parasitol., v. 5 (4), 365-378
Haemonchus contortus, in vitro response of sheep lymphocytes to parasite antigens varied between animals but was heritable and positively correlated with resistance to infection, sheep which were most susceptible had lowest lymphocyte responses but highest rate weight gain during infection

Resistance, Host
Trypanosoma brucei, cytotoxic reaction induced by normal human serum, some properties of the trypanocidal factor, complement activation not required

Resistance, Host
trypanocidal factor in normal human serum is associated with high density lipoprotein (HDL), comparison of susceptibility of Trypanosoma brucei and T. rhodesiense to lysis by human serum and human HDL

Resistance, Host
Robertson, D. A., 1979, J. Fish Dis., v. 2 (6), 481-491
Ichthyobodo necator on farmed salmonids, prevalence and intensity in relation to time, temperature, and host age; suggested that some form of host defense mechanism is operating: central Scotland

Resistance, Host
Schistosoma mansoni, susceptibility of Venezuelan Biomphalaria glabrata strain to infection with strains of S. mansoni from various endemic zones

Resistance, Host
Roth, E. F., jr.; et al., 1978, Science [4368 [error as 4365 on cover]], v. 202, 650-652
Plasmodium falciparum, increased sickling propensity of infected red cell under conditions of total and partial deoxygenation in vitro, results lend support to concept that heterozygotes for Hb S in malarious region may have improved fitness for survival which in turn maintains balanced polymorphism for Hb S gene

Resistance, Host
Rothwell, T. L. W.; et al., 1978, Parasitology, v. 76 (2), 201-209
Trichosontrylus colubriformis, guinea pigs, establishment of two lines differing significantly in susceptibility to infection, difference probably based on genetically determined differences between ability of members of each line to bring about immune expulsion of parasite

Resistance, Host
Ruebush, M. J.; and Hanson, W. L., 1979, J. Parasitol., v. 65 (3), 430-433
Babesia microti, susceptibility of 5 strains of mice to parasites of human origin

Resistance, Host
Schistosoma mansoni, susceptibility of various strains to infection with parasites of human origin

Resistance, Host
Sauerlaender, R., 1979, Ztschr. Parasitenk., v. 59 (1), 53-56
Muelleria lapalae in Deroceras reticulatum (exper.), exposure period, developmental period from 1st to 3rd stage larvae, individual exposure vs. mass exposure, super-infections, infectivity following storage below freezing-point, localization of larvae, host cellular reaction
Resistance, Host
Neoapectana carpocapsae, defensive reactions of Galleria mellonella caterpillars to effect of nematodes and herbicides, or to both factors jointly

Resistance, Host
Siddiqi, M. N.; and Meerovitch, E., 1976, Pakistan J. Zool., v. 8 (2), 183-189
Trichinella spiralis, 6 strains, relative infectivity to albino rats, variable infectivity appears to be due to strain differences in transmission cycles and to natural host resistance

Resistance, Host
Siddiqi, M. N.; and Meerovitch, E., 1976, Pakistan J. Zool., v. 8 (2), 191-197
Trichinella spiralis, 6 strains, relative infectivity in mice, guinea pigs, and 2 strains of rats (albino Wistar and hooded), role of host resistance

Resistance, Host
Siddiqi, M. N.; and Meerovitch, E., 1977, Pakistan J. Zool., v. 9 (1), 51-57
Trichinella spiralis, 3 newly isolated strains compared with classical strain during intestinal phase of infection in rats (moulting pattern, % recovery of adult worms, their size and sex ratio), significantly smaller size of worms in 3 new strains, inhibition of development expressed by host resistance as one of several possible causes

Resistance, Host
Litomosoides carinii, quantitative transmission to un-irradiated and irradiated golden hamsters and white mice, both species highly susceptible to infection were poor hosts, some age resistance or young susceptibility in hamsters, duration and intensity of microfilaraemia higher in hamsters

Resistance, Host
Simpson, M. G.; and Laurence, B. R., 1979, J. Parasitol., v. 65 (5), 732-736
Brugia patei, incorporation of radioactive precursors into filarial larvae developing in susceptible vs. refractory mosquito species and into mosquito flight muscle

Resistance, Host
Octomyomermis muspratti, melanotic encapsulation by Armigeres subalbatus 4th instar larvae

Resistance, Host
Trichonema spp., re-infection of mature (9 and 10 year old) parasite-free sensitized ponies, findings indicate development of strong resistance which may be partly associated with host age and demonstrate the pathogenesis of inhibited larvae which may be retained by resistant ponies for prolonged periods of time

Resistance, Host
Plasmodium falciparum, P. vivax, human (Duffy blood group positive and negative, black and white), indirect fluorescent anti-body titers, slide-demonstrated infection rates, Duffy negative genotype appears to be factor in resistance to P. vivax: Honduras

Resistance, Host
Stepanian, S. G.; et al., 1978, Biol. Zhurnal Armenii, v. 31 (9), 971-978
Taenia pisiformis-infected rabbits, natural resistance increased by vitamin C

Resistance, Host
Stibbs, H. H.; et al., 1979, J. Invert. Path., v. 33 (2), 159-170
Hartmanella-Acanthamoeba group amoeba isolated from Biomphalaria glabrata (Schistosoma mansoni susceptible and resistant strains) (pericardium, mantle), in vitro killing of S. mansoni sporocysts by amoebae; whether amoebae contribute to snail resistance is unknown

Resistance, Host
Eimeria tenella, broiler chickens, varied temperature and moisture regimes, blood biochemistry, host resistance, efficacy of pancoxin plus

Resistance, Host
Sullivan, J. T.; and Palmieri, J. R., 1978, J. Parasitol., v. 64 (5), 939-940
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Resistance, Host
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Resistance, Host
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Resistance, Host
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Resistance, Host
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Trichinella spiralis, susceptibility of several inbred lines of mice differing at the H-2 histocompatibility locus, no significant differences found in level of infection between any of the different mouse strains used; results suggest that intensity of infections with T. spiralis is probably not controlled by genes of the H-2 region

Resistance, Host
Oedemagena tarandi, intensity of infestation of reindeer, effect of host age, sex, weight, and health, differences in degree of infestation of various age and sex groups apparently result of unequal mortality rates of grubs rather than number of eggs laid by female flies: Amur oblast

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Plasmodium falciparum, susceptibility of Aotus trivirgatus in relation to geographic origin, phenotype, and karyotype

Resistance, Host
Wuchereria bancrofti in Culex pipiens fatigans vectors, no consistent differences between vector strains in their degree of susceptibility to infections, all strains tested were highly susceptible, implications for genetic control programs

Resistance, Host
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Resistance, Host
Haemonchus contortus, Targhee lambs and Targhee-Barbados Black-Belly cross lambs (both exper. A), no differences in resistance between the two breeds

Resistance, Host
Trypanosoma vivax, T. congolense, zebu and N'Dama cattle, pathology compared, N'Dama not as susceptible as zebu and some displayed a remarkable immunity: Missira, Senegal

Resistance, Host
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Schistosoma mansoni, mice, nonspecific resistance after injection or reinjection of BCG

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Trypanosoma cruzi (Brazil strain), characteristics of resistant and susceptible strains of mice following challenge, results suggest a necessary association of natural resistance with the immune response, principal genetic determinant of resistance is not associated with H-2 haplotype

Resistance, Host
Eimeria tenella, several breeds of chickens, resistance and susceptibility correlated with heredity: Taiwan

Resistance, Host
Boophilus microplus, resistance in selected Bos taurus and crossbred B. taurus x B. indicus, factors affecting resistance: age and sex of host, lactational status, pregnancy status, season, breed differences

Resistance, Host
Boophilus microplus, resistance levels in different breeds of cattle: Queensland
Resistance, Host
Angiostrongylus cantonensis, Pila ampullacea (exper.), method of introducing larvae to individual snails to make possible quantitative evaluation of worm recovery, distribution of infective stages within snail, dose of infection, and age of snails (which may affect host susceptibility) are analyzed

Resistance, Host
Trypanosoma brucei, blood incubation infectivity test, influence of several factors on process of lysis and neutralization of T. brucei in human serum

Resistance, Host
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Resistance, Host
Gastrointestinal nematodes, pigs, incidence and intensity, female hosts less susceptible to infection than males

Resistance, Host
Boophilus microplus, dynamics of resistance in previously unexposed and exposed Bos indicus, and in previously unexposed Bos taurus, results suggest that resistance is acquired rather than innate in both breeds

Resistance, Host
Boophilus microplus, resistance in Bos indicus, ages of ticks rejected, compared with losses from Bos taurus

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Ostertagia circumcincta in tracer lambs (susceptible) vs. continuously grazed lambs (potentially resistant) over course of seasonal exposure to natural infection, worm burdens, % larval inhibition, parasite sex ratio, vulval flap pattern, worm size, results indicate importance of host-induced effects on morphological development

Resistance, Host
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Respiration. [See also Metabolism; Oxygen]

Respiration, Host
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Respiration, Host
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Respiration, Host
Lymnaea luteola vs. Pila globosa, qualitative analysis of simple sugars, tissue respiration, possible relationship to capacity to harbor larval trematode infections

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Rhabdias bufonis, respiration and carbohydrate energy metabolism

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Trypanosoma cruzi bloodstream forms, increase in respiration in presence of acetate, acetate oxidation took place via tricarboxylic acid cycle and involved antimycin A-sensitive respiratory pathway, immune sera had no effect on oxygen uptake

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Trypanosoma cruzi epimastigotes cultured in diphasic media (with and without hemin) to establish influence of growth conditions on respiration and metabolism

Respiration, Parasite
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Crithidia fasciculata, adaptation to growth in presence of carbonyl cyanide m-chlorophenylhydrazone is apparently a physiological and not a genetic phenomenon, retention of this adaptive ability reported only in free-living protozoa is of interest from evolutionary standpoint and when considering drug resistance to parasitic protozoa

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Crithidia fasciculata, α-aminoisobutyrate transport: effect of incubation medium composition, kinetic studies, effects of inhibitors, studies on respiration, metabolic effects of inhibitors

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Hymenolepis diminuta, oncosphere is anaerobic with no cytochrome oxidase activity, this enzyme begins to be synthesized not before 6th-7th day after invasion of Tribolium castaneum and then its activity increases rapidly, completely formed cysticercoid is typical aerobic
Respiration, Parasite
Diphyllobothrium latum, Ligula intestinalis, Tri_MPIHJJOHROUS nodulosus, proceroids, oxidoreductase histochemistry

Respiration, Parasite
Tritrichomonas foetus, respiration of hydrogenosomes, effect of CoA on pyruvate oxidation

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Isoparochis hyphylabolagri, accumulation of oxygen debt after various periods of anoxic incubation, respiratory overshoot dependent upon the length of anoxic incubation

Respiration, Parasite
4 digenetic trematodes, effects of metabolic inhibitors and stimulators on oxygen uptake

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Cercaria dichotoma, daughter sporocysts, variation in respiratory quotient over a period of starvation

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Ascaris suum, Ascaridia galli, ovostatic action of intestinal bacteria on egg development resulting from bacterial oxygen consumption, practical applications in parasitology

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Respiration, Parasite
Theileria annulata, atypical mitochondria identified by ultracytochemical demonstration of mitochondrial marker enzymes, presence of both succinic dehydrogenase and cytochrome oxidase activity suggests that respiratory chain is operative in sporozoites

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Respiratory system, [See also Asthma; Bronchitis; Lungs; Pleura; Pneumonia; Trachea]

Respiratory system
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Human echinococcosis, radiological course of pulmonary hydatid cyst before and after rupture into bronchial system, resultant tissue changes and discussion of surgical treatment, case report

Respiratory system
Trypanosoma cruzi, humans, associated bronchiectasis and pneumopathy, incidence survey: Brazil

Respiratory system
Amoebiasis, humans, pleuropulmonary complications: Taiwan

Reticuloendothelial system
Echinococcus multilocularis sibircensis, C57L/J mice infected with 20 or 100 cysts, pathology of spleen, lymph nodes, and thymus at 2, 4, 8, and 12 weeks postinfection, implications for immunological status

Reticuloendothelial system
Trypanosoma lewisi, rats, importance of monocytic phagocytic system in elimination of parasites during course of infection, relative importance of liver and spleen in removal of parasites, importance of specific antibody in uptake of parasites by liver, production of specific antibody during course of infection, effect of antibody and complement on parasites, fate of trypanosomes within chambers planted into peritoneal cavities of normal and immune rats

Reticuloendothelial system
Trypanosoma lewisi-infected rats, changes in activity of reticuloendothelial system
Ribonucleic acid. See Nucleic acids.

Ribosomes. [See also Nucleic acids]

Ribosomes

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Entamoeba histolytica, emetine binding to ribosomes, inhibition of protein synthesis and amebicidal action, capacity to bind emetine is index of drug resistance

Ribosomes

Crithidia fasciculata, atypical RNA components of cytoplasmic ribosomes

Ribosomes

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Ribosomes

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Plasmadium berghei yoeli, isolation of ultrastructurally intact viable parasites free from detectable host ribosome contamination, isolation of ribosomes in high yield from these parasites, ribosomal RNA analysis

Ribosomes

Moraes, N. M.; and Roberts, J. F., 1978, Comp. Biochem. and Physiol., v. 61B (1), 1-4
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Ribosomes

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Ribosomes

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Roentgenography. See Diagnosis; Radiation.

Romania

parasitological survey, humans, rural area: zona Belus, Romania

(Ascaris lumbricoides; Trichuris trichiura; Strongyloides stercoralis; Giardia intestinalis; Enterobius vermicularis; Trichostongylus)

Romania

intestinal parasites, Romanian and foreign students, incidence, 1972-1975

(Trichuris trichiura; Ascaris lumbricoides; Lambia intestinalis; Enterobius vermicularis; Ancylostoma duodenale; Strongyloides stercoralis; Trichostongylus sp.; Hymenolepis nana; H. diminuta; Raenia saginata; Diphylidium caninum; Diphyllobothrium latum)

Russia

Ixodes pavlovskyi, I. persulcatus, distribution, characteristics of distribution areas with respect to their paleogenesis: USSR

Russia

helminths of freshwater fish, list of species and hosts, brief analysis by ecological groups: Kol'skii peninsula, USSR

Russia

helminth fauna of carp and predatory fish: Astrakhan preserve
Russia
analysis of helminth fauna of Salmonidae of USSR

Russia
helminth fauna of 10 species of rodents: Black Sea preserve

Russia
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Russia
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Russia, Azerbaidzhansk SSR
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Russia, Azerbaidzhansk SSR
Trombiculidae, Leeuwenhoekiiidae, zoogeographic groups, distribution patterns, brief review: Azerbaidzhansk

Russia, Belarus SSR
helminths, cattle, specialized farms: Belorussia
(Fasciola hepatica; Paramphistomum spp.; Ostertagia ostertagi; Haemonchus contortus; Trichostrongylus axei; Strongyloides papillosus; Dictyocaulus viviparus; Trichocephalus skrjabini; Oesophagostomum venulosum; Ostertagia trifurcata; Nematodirus helvetianus; Trichocephalus ovis)

Russia, Belarus SSR
6 species of trematodes found in fish and cats of Berezhina River region

Russia, Belarus SSR
parasites of fish: Liubanskaia and Osipovichsk reservoirs

Russia, Belarus SSR
parasites of fish, survey: Kan and Beloe lakes, Grodnensk region

Russia; Belorussian SSR
helminthozoonoses of fish of Bershkovsk lake

Russia, Belorussian SSR
parasite fauna, gastrointestinal tract, calves: Belorussia
(Moniezia expansa; M. benedeni, Strongyloids papillosus; Bunostomum philebotomum; Oesophagostomum radiatum; Trichostrongyulus axei; T. colubriformis; Ostertagia ostertagi; Cooperia oncophora; C. punctata; Haemonchus contortus; Nematodirus helvetianus; Trichocephalus ovis; T. skrjabini)

Russia, Belorussian SSR
helminth fauna of dogs (intestine): zones of Belorussia
(Alaria alata; S. perfoliatus; E. granulosus; T. hydatigena; T. pisiformis; D. caninum; T. canis; T. leonina; A. caninum; U. stenocephala)

Russia, Kazakh SSR
helminthiasis of livestock on large specialized farms, current situation, prophylactic measures recommended: Kazakhstan
[Bos taurus] (strongiloids; nematodirys; dikrotselis; moniezii; diktiokauly); [Ovis aries] (dikrotselis; ekinokokki; tseynury tserebral'nye; tsistitserkii tenuikol'nye; moniezii; tzyanziezi; gomokhli; diktiokauly; nematodirys; marshallagitial; ostertagielitt; trikhostrongylit); [Sus scrofa] (askaridoz; trikhotsefalez; ezofagostomoz)

Russia, Komi ASSR
helminths of mammals

Russia, Tuva ASSR
nematodes of birds of Tuvin SSR

Russia, Yakutsk ASSR
Acanthocephala of birds: Yakutskaiia ASSR

Russia, Yakutsk ASSR
extensive host-parasite lists, review
Russia, Yakutsk ASSR
Ryzhikov, K. M.; et al., 1974, Helminths of birds of Yakutia and adjacent territories. Cestodes and trematodes, 339 pp. extensive host-parasite lists, review

Rwanda
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Salinity
[Minctinia nelsoni] MSX, cause of oyster mortality and poor seed quality, monitoring program, MSX activity in low- and high-salinity areas: James River public seed beds, Virginia

Salinity
physiology of fish parasites, review: chemical composition; physical environmental parameters (salinity, temperature, oxygen tension); nutrition (role of gut, role of tegument); metabolism (carbohydrates, nitrogenous compounds, lipids); growth physiology; host-parasite relations (pathology, host specificity and immunity)

Salinity
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larval trematode-infected Hydrobia ulvae, lowered resistance to desiccation and fresh water

Salinity
Octosporea effermiana and Thelohania hereditaria in Gammarus duebeni duebeni, feminizing influence exerted on host's offspring by parasites, role of salinity and temperature on sex determination by parasites

Salinity
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Cryptocaryon irritans, effect of temperature and salinity on reproductive cycle

Salinity
Trichodina d. domerguei, T. tenuidens, salinity tolerance, activity of contractile vacuole of T. domerguei suggests mechanism for achieving euryhalinity

Salinity
Eubothrium salvelini, E. crassum, life cycles, egg structure, influence of salinity on ontogenesis of early stages: Kamchatka river basin

Salinity
Mills, C. A., 1979, Internat. J. Parasitol., v. 9 (6), 603-608
Transversotrema patialense, cercarial, post-cercarial, and adult stages, influence of differing ionic environments on survival and infectivity

Salinity
fish parasites, effects of salinity and temperature on development and survival of parasitic and free-living stages

Salinity
Nollen, P. W.; Samizadeh-Yazd, A.; and Snyder, D. E., 1979, J. Parasitol., v. 65 (5), 772-776
Phylophthalmus spp., longevity and hatchability of miracidia, effects of salinity, pH, and temperature

Salinity
Ancylostoma tubiforme, free-living phase, roles of temperature, pH, salinity, and lipid content in development

Salinity
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Schistosoma mansoni cercariae, mice, host-penetrative capacity under selected environmental exposure conditions and in relation to some parasite- and final-host-related factors

Salinity
Ørnbjerg Christensen, N.; Nansen, P.; and Frandsen, F., 1978, J. Helminth., v. 52 (1), 61-67
Fasciola hepatica, host-finding capacity of miracidia in relation to time, number of miracidia per snail (Lymnaea truncatula), and several physico-chemical environmental factors (light/dark, water volume, pH, turbidity, salinity)

Salinity
Romanomermis sp., tolerance of preparasitic nemas and adults to different pH and salinity, laboratory and field trials, limited utility as biological agent in polluted water

Salinity
cercariae of 3 marine species vs. a freshwater species, life span and behavior in relation to changes in salinity: Atlantic tidal region in Brittany, region of Le Tour du Parc, France; artificial reservoir in Forest of Paimport near Rennes, France

Sanitation and hygiene. [See also Disease transmission; Public health]

Sanitation and hygiene
Buck, A. A.; Anderson, R. I.; and MacRae, A. A., 1978, Tropenmed. u. Parasitol., v. 29 (3), 253-268
polyparasitism, humans, epidemiology, assessment of combined effects of multiple infections on an individual's state of health, comparative analysis of field data obtained from several tropical villages

Sanitation and hygiene
Neoscaris vitulorum eggs, action of boiling water, direct sunlight, and lysis on viability, tested by infectivity to albino rats
Sanitation and hygiene

Entamoeba histolytica, comparative epidemiological survey, rural vs. urban areas, highest prevalence directly related to lowest sanitary conditions, clinical manifestations, associated parasitism: Brazil

Sanitation and hygiene

Engbaek, K.; and Larsen, S. O., 1979, Ugeskr. Laeger, v. 141 (17), 1128-1131
Giardia lamblia, Entamoeba coli, Trichuris trichiura, socio-epidemiological study of infected families, emphasis on living conditions, social standards, and clinical symptoms: Denmark

Sanitation and hygiene

parasitic problems associated with disposal of sewage, sludge, and wastes of domestic animals, suggested control measures: West Germany

Sanitation and hygiene

Taenia solium, human ocular cysticercosis, frequent occurrence, poor hygiene, case reports; localization in various countries compared: Andhra and Tamilnadu states, India

Sanitation and hygiene

contamination of various utensils with helminth eggs in children's institutions, comparison of 2 methods of examination and counting: Borispil district, Kiev region

Sanitation and hygiene

Enteroebius, lambliasis, institutionalized children, control by improved sanitation and hygiene in conjunction with anthelmintics

Sanitation and hygiene

Kuz'menko, V. D.; Pankov, N. V.; and Red'kin, A. A., 1979, Vestnik Sel'skokhoz. Nauki Kazakhstana (1), 75-78
ascariasis, trichuriasis, role of fruit and vegetable shops in spread, preventive sanitation measures

Sanitation and hygiene

Capillaria annulata, Heterakis gallinarum, fatal infection in Numida meleagris (crop, caeca), case report, commercial producers must observe strict cleanliness and management practices: Puerto Rico

Sanitation and hygiene

Cysticercus celluloseae, survey of slaughtered pigs, high incidence in some areas attributed to poor sanitation, living habits, and absence of control facilities, implications for continued spread to both man and animals: Zaire

Sanitation and hygiene

Richardson, S. H., 1976, State Vet. J., Min. Agric., Fish. and Food (95), v. 31, 256-263
Cysticercus bovis, cattle, outbreak resulting from single human carrier of Taenia ova, need for sanitary facilities for workers on beef cattle enterprise, and for veterinary control of meat inspection, review of meat inspection regulations: Scotland

Sanitation and hygiene

Rodríguez, E. C.; et al., 1972, Rev. Saude Publ., S. Paulo, v. 6 (4), 343-359
survey, health conditions of elementary school children, 89.4% of children examined had intestinal parasites, correlation with poor sanitation and living conditions: Sao Paulo City, Brazil

Sanitation and hygiene

Noesma apis, bees, prophylactic control by sanitation and other management tactics, drugs used only on supplementary basis

Sanitation and hygiene

prevalence survey of taeniasis in humans and cysticercosis in pigs, socio-ecological data indicated infections in humans to be more common in those who ate raw meat dishes rather than those who were mostly fish eaters, poor sanitary conditions and easy access of pigs to human feces perpetuated infections in both pigs and humans: Bali Island, Indonesia

Sanitation and hygiene

Uvallev, I. U.; and Baigaziev, K. K., 1979, Vestnik Sel'skokhoz. Nauki Kazakhstana (1), 75-78
besnoitiosis, bovine, disinfection of animals or hides by sodium hydroxide solution spray; disinfection of premises by sodium hydroxide or chlorine solution sprays

Sanitation and hygiene

Willomitzer, J.; and Tomank, J., 1978, Veterinarni věz, v. 28 (12), 533-534
Taeniarychnus saginatus, bovine, veterinary hygienic aspects, review

Sanitation and hygiene

Zharikov, I. S.; and Antonenko, A. E., 1978, Veterinariia, Moskva (12), 63-64
helminth eggs, coccidia oocysts, disinfection of manure with penetrating electron radiation, dosages necessary

Sardinia. See Italy, Sardinia.

Saskatchewan. See Canada, Saskatchewan.

Saudi Arabia

insects and other pests affecting man and animals in Saudi Arabia

Seas, Baltic Sea

Diphyllobothrium latum, main foci of occurrence and their character, infection of human population and of fishes, question of first intermediate host (Copepoda), epidemiology, review: Baltic region
Seasonal distribution

Seas, Baltic Sea
conclusion of systematic list of trematodes and their host species recorded from German Democratic Republic and adjacent region of Baltic Sea

Seas, Black Sea
Ichthyophyraparasite fauna, extensity and intensity of invasion, species composition: 4 estuaries, Black Sea (northern coastal region)

Seas, Caspian Sea
nematodes of fishes, ecological-faunistic analysis, families and feeding habits of fishes, host specificity, review: Caspian Sea

Seasonal distribution. [See also Overwintering]

Seasonal distribution
Proteocephalus exciuus, seasonal and age dynamics in [Coregonus]: Tiumen oblast

Seasonal distribution
gamasid mite fauna of Rhombomys opimus; seasonal variation in density and age composition of Hirstionyssus meridianus, Haemolaelaps longipes, and H. angustiscutis: submountain plains of Kopetdag

Seasonal distribution
fleas of mammals, morphological variations in certain key diagnostic characters, seasonal distribution, sex ratio, host sex: southeastern Wisconsin

Seasonal distribution
Amin, O. M.; and Burrows, J. M., 1977, J. Fish Research Board Canada, v. 34 (9), 325-331
Echinorhynchus salmonis in fishes, seasonal distribution, sex ratio, distribution in host intestine, host age and sex, pathogenicity: southwestern Lake Michigan

Seasonal distribution
helminths, Perca fluviatilis gut, seasonal appearance and abundance, possible associations between various species, small oligotrophic lake: southern Norway

Seasonal distribution
Andersen, R. M.; and May, R. M., 1979, Parasitology, v. 79 (1), 63-94
Schistosoma spp. infections within snail populations, prevalence, spatial and temporal heterogeneity, duration of larval development and its dependence on temperature, mortality rates of infected and uninfected hosts; comparison of observed patterns with model predictions; new age-prevalence model, predictions compared with observed patterns; implications for overall transmission dynamics

Seasonal distribution
Minchinia nelsoni in Crassostrea virginica (susceptible imports, native oysters and progeny), seasonal patterns of morbidity and mortality, survival of early generations in MSX-prevalent areas suggests that acquired resistance is involved; hypotheses on origin of infection and life cycle of pathogen: Virginia waters

Seasonal distribution
Thelazia skrjabini, T. gulosus, cattle (eyes), seasonal prevalence, increase during late June, July, and August, 1976, more common in cattle 21-39 months old than in those under 21 months: Surrey abattoir, England

Seasonal distribution
Armour, J.; et al., 1979, Vet. Rec., v. 105 (22), 500-503
Ostertagia ostertagi, cattle, epidemiology of naturally acquired infections studied through 2 successive grazing seasons with particular reference to faecal egg counts, herbage larval numbers, worm burdens, and plasma pepsinogen levels: south west Scotland

Seasonal distribution
human amoebiasis, evaluation of the gel diffusion test for diagnostic purposes, definite seasonal variation in number of clinical cases and number of positive tests for amoebic precipitins (increase during wet season): Nigeria

Seasonal distribution
Haemoproteus, Plasmodium, and hippoboscid ectoparasites of Zenaidia auriculata caucae, infection patterns and dove population dynamics, seasonal prevalence: Cauca River valley, Colombia

Seasonal distribution
Dicrocoelium lanceolatum, sheep, annual activity cycle of intermediate hosts (Cionella lubrica, Formica nigricana and F. cunicularia), seasonal variation in number of parasitized ants, effect of climatic factors (temperature, rainfall), application to forecasting method: Limousin

Seasonal distribution
Bae, P. A.; Kang, P. A.; and Kim, Y., 1977, Bull. Fish. Research and Development Agency (Kungnip Susan Chinghungwon yon'gu pogo) (18), 131-140
Bacciger harengulae, cercarial development and seasonal incidence in hard clam, Meretrix lusoria (gonad, midgut, gill): seasonal variation in number of parasites (increase during wet season): southern coasts of Korea

Seasonal distribution
Neomesomermis flumenalis in Simuliidae, spatial and host differences in rates of infection, temporal and (parasite) sex differences in emergence pattern of postparasites
Seasonal distribution
Bain, S. A.; and Kelly, J. D., 1977, N. Zea-
Anoplocephala perfoliata, survey of preva-
elence in horses, seasonal occurrence, no
significant differences between ages or sexes
of host: abattoir, South Auckland

Seasonal distribution
Baird, C. R., 1979, J. Parasitol., v. 65 (4),
639-644
Cuterebra tenebrosa, incidence in Neotoma
cineria from April to November of 1970 and
1971, experimental infections attempted in
captured rodents and rabbits, dosage level and
effect on hosts, larval migration, site of
larval development, acquired immunity, egg
viability

Seasonal distribution
(5), 1026-1031
Oswaldocruzia pipiens, development and trans-
mission in amphibians, prevalence and inten-
sity in different months and in different
host size classes: near Guelph, Ontario

Seasonal distribution
Ball, M. K.; and Singh, R. P., 1977, Haryana
Agric. Univ. J. Research, v. 7 (3), 143-148
Haemonchus contortus, sheep and goats, sea-
sonal prevalence apparently influenced by
temperature, relative humidity, and rain-
fall: Hisssar

Seasonal distribution
Bartoli, P.; and Prevot, G., 1978, Ann. Para-
sitol., v. 55 (2), 181-193
Maritremna misenensis, ecological conditions
required for life cycle, different inter-
mediate hosts utilized in lagoon vs. marine
habitat, method of infestation of second
intermediate host, variation in parasitism of
second intermediate host in relation to sea-
son and age and sex of host: region de
Brusc, Provence, France

Seasonal distribution
Trudy, Minsk, v. 12, 130-132
nematodes, trematodes, cattle, age and
seasonal dynamics on specialized farms:
Belorusia

Seasonal distribution
Bauch, R. J., 1973, Ang. Parasitol., v. 14
(4), 208-213
Ixodes ricinus larvae on Apodemus flaviol-
lis and Clethrionomys glareolus, seasonal
occurrence, localization on host body: DDR-
Bezirk Magdeburg

Seasonal distribution
Beck, J. T., 1979, Parasitology, v. 79 (3),
431-449
Probopurus pandalicolica-infected Palaeonemes
paludosus, distribution, infection levels
by site and season and by host sex and size,
parasite burden, regulation of host-parasite
(parasitic castrator) interactions: Florida

Seasonal distribution
Beesley, J. E., 1977, J. Invert. Path., v. 30
(2), 249-254
Rasajeyna nannyla in Tipula paludosa and T.
vittata, incidence throughout 2-year sample
period, incidence as a function of tempera-
ture: 2 different sites (one damp and one
dry) in Northumberland, England

Seasonal distribution
Beesley, J. E., 1978, J. Invert. Path., v. 31
(2), 253-259
Rasajeyna nannyla, seasonal abundance of
three life cycle stages in Tipula paludosa
and T. vittata: Northumberland, United
Kingdom

Seasonal distribution
Bejsovec, J., 1976, Ang. Parasitol., v. 17
(4), 199-207
Syngamus tracheus in domestic and free-living
birds, influence of ecological factors on
occurrence and seasonal dynamics with
particular attention to effect of large-
scale farming: Czechoslovakia

Seasonal distribution
(2), 76-85
Eimeria phasiani and E. colchici in Phasianus
colchicus, dynamics of incidence dependent
upon host biotope, host movements, season,
temperature, and humidity: Mittelbohmen

Seasonal distribution
Beleznerov, V. M., 1973, Parasitologia, Lenin-
grad, v. 7 (1), 14-18
Dermacentor silvarum, capability of adult
females to engorge depends on temperature
and photoperiod at prefeding stage, thus
certain conditions may give rise to a form
of diapause as a seasonal adaptation

Seasonal distribution
Health and Prod. Africa, v. 25 (3), 325
Sarcocystis sp., cattle, incidence in re-
lation to rainy vs. dry seasons: abattoir,
Zambia

Seasonal distribution
Beverley-Burton, M.; and Pippy, J. H. C.,
1978, Environment. Biol. Fish., v. 3 (2),
211-222
Anisakis simplex in Salmo salar, sites of
infection, prevalence, variation in mean
numbers of larvae per fish in relation to
host's sex, age, geographic locality, and
year and season of capture; mean numbers as
biological indicator of host stock composit-
ion: 14 sampling stations, North Atlantic

Seasonal distribution
Bezubik, B.; Sinski, E.; and Swietlikowski,
(2), 255-259
Syngamus tracheus in domestic and free-living
birds, influence of ecological factors on
occurrence and seasonal dynamics with
particular attention to effect of large-
scale farming: Czechoslovakia

Seasonal distribution
Bejsovec, J., 1976, Ang. Parasitol., v. 17
(4), 199-207
Syngamus tracheus in domestic and free-living
birds, influence of ecological factors on
occurrence and seasonal dynamics with
particular attention to effect of large-
scale farming: Czechoslovakia

Seasonal distribution
(2), 76-85
Eimeria phasiani and E. colchici in Phasianus
colchicus, dynamics of incidence dependent
upon host biotope, host movements, season,
temperature, and humidity: Mittelbohmen
Seasonal distribution
Boiko, V. A.; Alupov, A. S.; and Iyliiev, V. G., 1973, Parazitologiya, Leningrad, v. 7 (6), 536-540
Ornithomya avicularia on birds, host size, age, habitat, and colonial vs. solitary
habit, seasonal dynamics; possible role in circulation of virus of tick-borne encephalitis: Middle Povolzh’e

Seasonal distribution
Borisova, V. I., 1972, Parazitologiya, Leningrad, v. 6 (5), 457-464
Ecoology of moth parasites of birds with emphasis on Dermapyrius hirudinis, Ceratophyl- lus gallinae, and Carnus haemapterus, seasonal changes in populations, adaptation of life cycles to host life cycles: Tatar ASSR

Seasonal distribution
copepods of Menidia spp., incidence, intensity, host-parasite interactions with emphasis on effect of host size, season, habitat, inter- and intraspecific parasite competition on host

Seasonal distribution
Boxrucker, J. C., 1979, Parasitology, v. 78 (2), 193-206
Metazoan parasites of Ictalurus melas, seasonal incidence and abundance in thermal outfall area vs. unaltered area, thermal effluent had little effect on incidence, differences in abundance are considered due to factors other than temperature: Lake Monona, Dane County, Wisconsin

Seasonal distribution
Plasmodium falciparum, prevalence and density in pregnant women (by age/parity), recently pregnant women, and infants, malarial antibody levels in cord blood, seasonal variations: The Gambia

Seasonal distribution
Breev, K. A.; and Sultanov, F. R., 1975, Parazitologiya, Leningrad, v. 9 (1), 47-56
Oestrus ovis, sheep, body length of 1st instar larvae and body weight of 2nd and 3rd instar larvae at different times of year and in different regions, statistical analysis, implications for course of development: Azerbaizhan

Seasonal distribution
copepods of Merlangius merlangus and Platichthys flesus, seasonal changes in levels of infestation related to annual migrations of young fish into estuary, localization, age of host: Medway Estuary, Kent

Seasonal distribution
van den Broek, W. L. F., 1979, J. Fish Biol., v. 14 (4), 591-592
Cryptocotyle lingua, incidence and intensity of infection, seasonal levels of infection prove useful indicators to migratory movements of individual fish populations, localization, host age: Medway Estuary, Kent

Seasonal distribution
Xenopsylla cheopis, X. astia, vectors of plague in small mammals, seasonal distribution of plague-positive animals closely the peak index of fleas on the animals: Rangoon, Burma

Seasonal distribution
Bukshtynov, V. I., 1978, Veterinariia, Moskva (9), 60-62
Oestrus ovis, sheep, temperature as most significant factor in predicting time of development in relation to season

Seasonal distribution
Bulow, F. J.; Winningham, J. R.; and Hooper, R. C., 1979, Tr. Am. Fish. Soc., v. 108 (1), 100-102
Lernaea cyprinacea, seasonal occurrence in stream fish population: Blackburn Fork watershed, Tennessee

Seasonal distribution
Burresson, E. M.; and Allen, D. M., [1979], J. Parasitol., v. 64 (6), 1978, 1082-1091
Mysisidobdella borealis comb. n., revised diagnosis, external and internal anatomy, geographical and seasonal occurrence along northeastern coast of United States and Canada, aspects of its biology in association with mysid hosts (attachment to hosts, host preference, reproductive behavior)

Seasonal distribution
Tylodelphys clavata and Diplostomum spathaceum in roach, rudd, and roach/rudd hybrids, population biology, seasonal changes in incidence, intensity of infection, and frequency distribution, relationship of infection to fish size (age)

Seasonal distribution
Moniliformis dubius, larval morphogenesis in Periplaneta americana, effect of temperature, season, photoperiod, and elevated temperature stress, morphological anomalies

Seasonal distribution
gastrointestinal nematodes, calves of various ages born during rainy season: State of Goias

Seasonal distribution
Syringophiloidus minor, population development in juvenile and nuptial plumages of Passer domesticus, winter dispersal, dispersal into unoccupied coverts of adult birds not observed, effect of dispersal on population composition, population dynamics in the 2 plumages

Seasonal distribution
Demodex canis, dogs, incidence in relation to season, host age, sex, and breed, clinical manifestations, in vivo and in vitro activity of several acaricides: India
Seasonal distribution
Chambers, R.; et al., 1979, J. Trop. Med. and Hyg., v. 82 (8), 156-172
conference on seasonal dimensions to rural poverty, including tropical parasitic diseases in tropical areas of Africa and Asia

Seasonal distribution
Chernysheva, N. B., 1973, Parazitologiia, Leningrad, v. 7 (8), 485-488
Sphaerospora cristata, plasmodia and spores found in Lota lota (kidneys), life cycle, host age, infection rate increases during winter: lake Vrevo, Leningradsk oblast

Seasonal distribution
Chieffi, P. P.; and Mueller, E. E., 1978, J. Parasitol., v. 64 (1), 105-108
Toxocara sp. eggs, monthly variation of soil contamination: urban area of Londrina, state of Parana, Brazil

Seasonal distribution
Ostertagia ostertagi, cattle, epidemiology, herbage infection, disease incidence, serum pepsinogen levels (useful reflection of seasonal incidence), weather, 1974-1976: East Midlands, England

Seasonal distribution
Cloutman, D. G., 1978, J. Parasitol., v. 64 (1), 170-172
Cleidodiscus pricei on Ictalurus platycephalus (gills), significant difference in intensity among different host age groups but not between males and females, seasonal abundance, possible role of immunity: Lake Norman, North Carolina

Seasonal distribution
Conlogue, G.; et al., 1979, J. Parasitol., v. 65 (1), 105-108
Capillaria hepatica in Rattus norvegicus, infection rate, host age and sex, seasonal variation, possible public health implications: Hartford, Connecticut

Seasonal distribution
Gastro-intestinal nematodes, development in calves born during dry season: Guaira, Sao Paulo State, Brazil

Seasonal distribution
Minchinia nelsoni and M. costalis in Crassostrea virginica introduced from non-infected area, incidence, annual and seasonal prevalence, mortality, sporulation, effect on host reproductive capacity, comparison with Delaware and lower Chesapeake Bays, practical implications (useful manipulation of introduced oysters: Chincoteague Bay, at Franklin City, Virginia

Seasonal distribution
gastrointestinal nematodes, calves, seasonal transmission in two environmentally dissimilar areas, weather conditions more important than vegetation type in larval transmission: Texas Gulf Coast

Seasonal distribution
Fasciola hepatica, Fascioloides magna, seasonal transmission to cattle pastured in 2 ecologically dissimilar areas of Texas, drug treatment in late summer, especially of young cattle, may considerably reduce Fasciola hepatica in small vectors, while control of Fascioloides magna is not considered practicable at present time

Seasonal distribution
Giardia lamblia, humans, waterborne outbreaks occurring during summer and fall: seasonal distribution, data indicate that disinfection as only treatment for surface water sources is ineffective, review: United States

Seasonal distribution
Dracunculus insignis in Procyon lotor (legs), pathology, seasonal prevalence, experimental transmission to copepods and possible parasitic hosts: southern Ontario

Seasonal distribution
Czaplinski, B., 1975, Acta Parasitol. Polon., v. 23 (26-40), 305-327
Hymenolepididae of wild Cygnus olor, extensive and intensity of infestation, age and sex of host, seasonal variation, distribution within digestive tract: Poland

Seasonal distribution
Hymoderma lineatum and H. bovidrinking water, seasonal distribution, data indicate that disease rate is effective, review: United States

Seasonal distribution
Dari, J. G.; Gatmaitan, O. M.; and Aglibut, P. B., 1975, Philippine Agric., v. 59 (5-6), 127-136
Cooperia sp., Trichostrongylus sp., Bunostomum sp., Haemonchus sp., backyard cattle, seasonal distribution, age of host, characteristics of farms, location in host, seasonal variation, recommended period for curative and for preventive treatments: Sidi-Slimane (Morocco)

Seasonal distribution
Anodonta cygnea glochidia on Gasterosteus aculeatus, incidence and intensity, seasonal variation, effect of fish size, distribution on host: Shoulder of Watton Pond in Epping Forest, Essex

Seasonal distribution
mange, livestock, seasonal incidence: Hissar, Haryana
Seasonal distribution
helminths of Somateria fischeri (intestina
tracts), survey by host age and sex, seasona
fluctuations in parasite numbers: Yukon-
Kusukokwim Delta, Alaska

Seasonal distribution
Mytilicola intestinalis in Mytilus edulis, popula
tion dynamics, parasite maturation and breedi
seasonal variation, mortality, environmen
tal temperatures are believed to control parasite developmental cycle: Lynher River, Cornwall, England

Seasonal distribution
Davis, J. R.; and Huffman, D. G., 1978, Texas J. Sc., v. 30 (1), 43-55
helminths of Gambusia affinis from ecologi
cally different habitats, variation with habitat, season, and host size: near San Marcos, Texas

Seasonal distribution
Deliamure, S. L.; and Popov, V. N., 1974, Acad. Sc., v. 52 (1), 57-59
helminths of Pusa hispida ochotensis, seasona
variation: Okhotsk Sea

Seasonal distribution
Derylo, A., 1978, Polskie Pismo Entom., v. 48 (2), 253-259
Hydopera bovis, cattle, incidence prior to and during control with neguvon, seasona
dynamics

Seasonal distribution
Lernaea cyprinacea on Catostomus commersoni and Carpiodes cyprinus, incidence and in
tensity of infection, host sex, seasonal distribu
tion, infection sites on hosts: Susquehanna River, Pennsylvania

Seasonal distribution
blood parasites, domestic animals, survey, monthy incidence: Nigeria

Seasonal distribution
ticks of cattle, sheep, and goats, survey, monthly incidence: Nigeria

Seasonal distribution
Donald, A. D.; et al., 1978, Austral. J. Agric. Research, v. 29 (1), 189-204
gastrointestinal nematodes, availability to shee
grazing on summer-contaminated pastur
February contamination), rates of decline of infec
tive larvae, effects of weather condi
tions, implications for anthelmintic treat
ment and grazing management: Canberra, A. C. T.

Seasonal distribution
Haematoloechus coloradensis, population dyna
mics in various hosts, incidence and inten
density of infection according to host age, seasona
periodicity, life cycle efficiency: ponds in Sierra Co., New Mexico

Seasonal distribution
Sarcocystis fusiformis, cattle, incidence tested by trichinoscopy, age of host, seasona
variation: Sanitatsschulchtbe
triebes, Nordwesten DDR

Seasonal distribution
Cephenemyia stimulator in Capreolus capreolus, distribu
tion within head cavity, seasonal incidence and development of larval stages throughou
t year, experimental infection of host, rearin
of imagos, unsuccessful attempt

to catch imagos in the field: Poland

Seasonal distribution
Cephenemyia stimulator on Capreolus capreolus, incidenc
and intensity in relation to host age and sex, time of year, and host density, effect of parasite on host, possible control by planned reduction of host population: Po
land

Seasonal distribution
Ixodes pacificus, Dermacentor occidentalis, D. andersoni, total collections by sex, stage, and county of collection, collections by month; D. variabilis, possible small established focus: Oregon

Seasonal distribution
Ixodes angustus, I. pacificus, and I. soricus from coastal and valley forest habitats, abundance, seasonal occurrence, host specifi
city, site of attachment on hosts, environm
ental influences on tick populations: western Oregon

Seasonal distribution
patterns of parasitic infection in villages of Lagos State, Nigeria

Seasonal distribution
equine strongyles, free-living stages in feces and on pasture, seasonal changes in rates of development and survival: Moggill, Brisbane, Queensland

Seasonal distribution
equine strongyles, infective larvae, survival and migration on herbage with reference to season, climatic conditions, and types of pasture: southern Queensland
Seasonal distribution
S. onychoglymus vulgaris, horses, seasonal variation in arterial populations of larvae: Albany Creek abattoir, near Brisbane, southern Queensland

Seasonal distribution
Epistylis-Aeromonas complex, centarchid fish, incidence, spatial distribution of lesions, host size class (age), body condition, seasonal periodicity, influence of thermal effluent on disease: Par Pond reservoir, Savannah River Plant near Aiken, South Carolina

Seasonal distribution
Evans, N. A.; Threlfall, W., 1976, Canad. J. Zool., v. 54 (10), 1694-1711
Asymphylodora kubanicum, occurrence in Bithynia tentaculata (intermediate host) and Rutulus rutilus (intestine) (definitive host), seasonal variation, age of definitive host; annual cycle of occurrence and maturation in roach due primarily to host feeding habits and water temperature: Worcester and Bromsgrove. Birmingham canal 1 km south of Stoke Works, Bromsgrove

Seasonal distribution
Evenge, E. S.; and Kon'shina, L. N., 1972, Parazitologiya, Leningrad, v. 6 (2), 180-184
Mallophaga on Alcidae, prevalence and intensity, seasonal and annual data, burdens of adult hosts vs. chicks, distribution on host, louse population structure: Newfoundland

Seasonal distribution
Faizulin, F. G.; and Kon'shina, L. N., 1972, Parazitologiya, Leningrad, v. 6 (2), 180-184
Leishmania tropica major, existence of natural nidi of zoonotic cutaneous leishmaniasis in Rhombomyos opimus, seasonal dynamics, clinical manifestations, distribution: Karakalpak ASSR

Seasonal distribution
Fashuyi, S. A.; and Williams, M. O., 1977, Ztschr. Parasitenk., v. 54 (1), 55-60
trematode-infected snails, role of oligochaete Chaetogaster limnaei in dynamics of trematode transmission (possibly protects snails against miracidia, plays no part in reducing number of cercariae), seasonal distribution in relation to cercarial shedding

Seasonal distribution
Oestrus ovis, geographic distribution and seasonal dynamics in sheep (nasal cavities and sinuses): Egyptian Nile Delta and its western and eastern perimeters

Seasonal distribution
Parvatrema timondavidi, synonymy, description, infection of molluscan intermediate host in relation to season and host age, sex, and size: region of Sevastopol, Black Sea

Seasonal distribution
Fasciola hepatica, length of development in Galba truncatula (nat. and exper.), seasonal distribution of cercarial release, overwintering: Rhodope mountains; Thracian lowlands

Seasonal distribution
Fasciola hepatica, length of development in Galba truncatula (nat. and exper.), seasonal distribution of cercarial release, overwintering: Rhodope mountains, Bulgaria

Seasonal distribution
Obeliscoides cuniculi in Lepus americanus (stomachs), seasonal prevalences of immature vs. mature nematodes in male vs. female hosts: area of East Corinth, Maine

Seasonal distribution
Fasciola hepatica, sheep, Lymnaea truncatula population density determined by adequate rainfall, parasite transmission mainly 'overwintering' variety, 'summer infection' and acute fascioliasis outbreaks in above average rainfall: Central Highlands, Ethiopia

Seasonal distribution
Baeeoctenus bicolor, yearly fluctuations in frequency and period of occurrence, mean density

Seasonal distribution
endo-parasites of Lepus europaeus, seasonal dynamics, distribution according to locality, sex and age of host, economic importance of parasitism for regional hunting: Ostthuringen, DDR

Seasonal distribution
endo-parasites of Lepus europaeus, seasonal dynamics, distribution according to locality, sex and age of host, economic importance of parasitism for regional hunting: Ostthuringen, DDR

Seasonal distribution
endo-parasites of Lepus europaeus, seasonal dynamics, distribution according to locality, sex and age of host, economic importance of parasitism for regional hunting: Ostthuringen, DDR
Seasonal distribution
feels of small mammals, abundance, seasonal occurrence, and host preference: Chaves County, New Mexico

Seasonal distribution
Ixodes ricinus, ecology, comparison of 2 methods of population assessment (blanket dragging and counts on sheep), seasonal activity appears to be independent of weather; no correlation between tick activity and redwater fever, strong correlation between redwater fever incidence and air temperature: Co. Wicklow, Ireland

Seasonal distribution
Greiner, E. C.; and Mundy, P. J., 1979, J. Parasitol., v. 65 (1), 147-153
Hippobosca equina, ecological studies: host sex ratio, breeding season: suburban London

Seasonal distribution
gastrointestinal parasites in dairy cows, seasonal distribution: all from Wisconsin; Pennsylvania; North Carolina

Seasonal distribution
helminths of dairy cows, organs, parasitized, prevalence, age of host, seasonal distribution; Wisconsin sugar flotation technique more sensitive than Cornell McMaster: Wisconsin

Seasonal distribution
Hippobosca equina, field-collected and laboratory-reared on guinea pigs, biology, adult males vs. females (feeding, longevity of starved adults in 2 seasons, longevity of normal adults and fecundity in 2 seasons, effect of presence of males on fecundity of females, sexual maturation, sex ratio); larval stage (larviposition, description, and duration of 3rd larval stage; seasonal intrauterine larval development); pupal stage (duration, effect of temperature and humidity)

Seasonal distribution
Hafez, M.; Hilali, M.; and Fouda, M., 1979, Ztschr. Ang. Entom., v. 87 (3), 327-335
Hippobosca equina, ecological studies: host preference, seasonal abundance, adult habits, effect of host sex and colour on attraction of flies, mating behaviour, distribution on host body, sex ratio, breeding season: El-Aziziyah village, El-Faiyum governorate, Egypt

Seasonal distribution
Han, T. W., 1978, Research Rep., Office Rural Develop., Min. Agric. and Fish., Korea, v. 20, 53-88
theileriosis, cattle, historical review, seasonal and host age incidence, duration of parasitaemia, relapse time; transmission of Theileria sp. to cattle using Boophilus microplus and Haemaphysalis longicornis; pathogenicity and immunogenicity of Korean and Japanese strains of T. sergenti compared: Korea

Seasonal distribution
Urocleidus ferox on Lepomis gibbosus, seasonal dynamics and spatial distribution: Glenora and West Lake, Ontario

Seasonal distribution
Cleididesis stentor, Ergasilus centrarchidaruin Ambloplites rupestris, seasonal dynamics and spatial distribution: West Lake and Glenora, Ontario

Seasonal distribution
Harris, S.; and Thompson, G. B., 1978, J. Zool., v. 186 (1), 83-93
Ixodides hexagonus and I. canisuga populations on Vulpes vulpes, distribution within host population; I. hexagonus, seasonal dynamics, occurrence in relation to host sex, age, and behavior, effect on host: suburban London

Seasonal distribution
Entamoeba histolytica, human, prevalence, parasite-specific IgG and IgM, and total and parasite-specific IgE during 4-month wet season: The Gambia

Seasonal distribution
botflies and helminths of horses and ponies for 12 states, prevalence, seasonal influence, age of host: United States

Seasonal distribution
Haematobia irritans attacking pastured cattle, seasonal and diurnal activities: Iwate Prefecture, Honshu, Japan

Seasonal distribution
Hazen, T. C.; and Esch, G. W., 1978, J. Fish Biol., v. 12 (5), 411-420
Clinostomum marginatum in Micropterus salmoides, infection percentages compared in thermal and ambient parts of a reservoir, relationship to body condition and length of host, seasonal changes: Par Pond, near Aiken, South Carolina

SUBJECT HEADINGS
Classical and experimental studies on seasonal distribution of theileriosis and related diseases in cattle, with special reference to the role of seasonal factors, host age class, sex, and geographical location.
Seasonal distribution

Healy, J. A., 1979, Parasitology, v. 78 (1), 7-17

Ixodes ricinus, samples from several Irish localities and from spring and autumn ticks collected in one area, detection by electrophoresis of very high allelic variation at locus coding for phosphoglucomutase, allele frequency patterns, both spatial and temporal genetic differentiation exist, possible use of this polymorphism in population and taxonomic studies, possible adaptive significance of polymorphism in autecology of parasite

Seasonal distribution

Heath, A. C. G., 1978, N. Zealand Entomol., v. 6 (4), 364-365

ectoparasites, factors which influence seasonal fluctuations (climate, host physiology, and parasite physiology)

Seasonal distribution


Chorioptes bovis, sheep, seasonality, pathogenicity, intra-flock transfer, analysis of semen quality of rams with scrotal lesions: [New Zealand]

Seasonal distribution


helminths, cattle, field autopsy and abattoir survey, seasonal fluctuation in relation to temperature and rainfall: northern Australia

Seasonal distribution

Hendrix, S. S., 1978, J. Parasitol., v. 64 (4), 606-612

Plagioporus hypentelii, life history and seasonal biology, effect of snail sex and age on daughter sporocyst burden, photoperiodicity of cercarial emergence: Monocacy River drainage, Pennsylvania

Seasonal distribution


Diphyllobothrium dendriticum and D. ditremum in Salvelinus alpinus, intensity of infection and length distribution of plerocercoid populations, seasonal variation, Cyclops scutifer proposed as main 1st intermediate host, potential final hosts: Lake Bjellojaure, Sweden

Seasonal distribution


trichostrongylids, cattle, prevalence during second grazing season, estimation of daily production of eggs in feces

Seasonal distribution


Seasonal distribution


Eimeria spp., calves reared under conditions of industrialized cattle farming, course of infection, clinical symptoms, monthly distribution, control measures: DDR

Seasonal distribution


Sarcocystis spp., cattle, monthly occurrence, localization, diagnosis: Osterreich

Seasonal distribution


gastrointestinal nematodes, ovine, epidemiology, effect on host growth and plasma pepsinogen levels: Limousin

Seasonal distribution

Huizinga, H. W.; Cosgrove, G. E.; and Koch, C. F., 1971, J. Wildlife Dis., v. 7 (3), 205-212

Diplostomum spathiferum, seasonal distribution, intensity of infection, lesions in walls of pulmonary arteries: Illinois

Seasonal distribution


helminths of voles, ecology, age and sex of host, seasonal changes: Nopporo National Forest, east of Sapporo, Hokkaido, Japan

Seasonal distribution

Iunchis, O. N., 1974, Parazitologia, Leningrad, v. 8 (3), 205-207

Dactylogyrus nasalis on Rutilus rutilus, occurrence in relation to season and host age, localization on host at different stages of infection, life span of worms: Lake Verkhnee Vrevo, Leningrad oblast

Seasonal distribution


ectoparasites, free-ranging livestock, seasonal infestation rates, influence of climatic factors on parasite population patterns: Nsukka, Nigeria

Seasonal distribution


Analggesoidea mites on turdid birds, occurrence during host spring and autumn migrations, incidence, intensity, distribution on wings, population structure (sex ratios, developmental stages), host specificity, simultaneous infections: Poland

Seasonal distribution


fleas, survey of nests of Peromyscus leucopus, data for some species on seasonal occurrence, sex ratio, abundance in relation to host sex and nesting activity: southwestern Wisconsin
Subject headings

Seasonal distribution
Jacobson, H. A.; Kirkpatrick, R. L.; and McGiennes, B. S., 1978, Wildlife Monogr. (60), 53 pp. disease and physiologic characteristics of cottontail rabbits in 2 study areas in relation to population density, includes data on seasonal and sex differences: Virginia

Seasonal distribution
Jagannath, M. S.; Muraleedharan, K.; and Hiregoudar, L. S., 1979, Indian J. Animal Sc., v. 49 (11), 890-894 ixodid ticks, cattle, seasonal prevalence: Bangalore, India

Seasonal distribution

Seasonal distribution
Jarroll, E. L., jr., 1979, Parasitology, v. 79 (2), 183-195 Bothriocephalus rarus, natural and experimental infections of copepod intermediate hosts, distribution and abundance in adult and larval Notophthalmus viridescens, parasite recruitment by N. viridescens, seasonal cycles in population structure, intensity of infection, maturation, and reproduction, effect of temperature on egg development

Seasonal distribution

Seasonal distribution
Jilek, R., 1978, J. Parasitol., v. 64 (5), 951-952 Gracilisentis gracilisentis and Tanaorhamphus longirostris in Dorosoma cepedianum (pyloric ceca and duodenum), definite seasonal periodicity, highly host specific, prevalence and intensity in male and female hosts of different age/size classes: Crab Orchard Lake, Williamson County, Illinois

Seasonal distribution
Joy, J. E.; Tarter, D. C.; and Franklin, H., 1978, Tr. Am. Micr. Soc., v. 97 (1), 100-104 Octomacrum spinum and Unicauda sp. in Campostoma anomalum (gills), prevalence and parasite load, sex of parasite, seasonal occurrence: Fourpole Creek, Cabell Co., West Virginia

Seasonal distribution
Jurasek, V.; and Ovies Diaz, D., 1975, Folia Vet., v. 19 (1-2), 175-189 cestodes and nematodes, Gallus gallus f. domestica, seasonal dynamics, prevalence, breed and age of host: Havana province, Cuba

Seasonal distribution
Kadulski, S., 1974, Acta Parasitol. Polon., v. 22 (12-21), 219-228 Haematopinus apri on wild Sus scrofa, incidence and intensity, geographic distribution, host age and sex, seasonal dynamics of infestation and louse population structure, distribution on host body: Poland

Seasonal distribution
Kadulski, S., 1975, Acta Parasitol. Polon., v. 23 (41-51), 493-535 ectoparasites of artiodactylous game animals, survey with information for some parasite species on seasonal and short term fluctuations, age and sex of host, localization on host, economic importance: Poland

Seasonal distribution
Kang, Y. B.; et al., 1977, Research Rep. Office Rural Develop., Min. Agric. and Fish., Korea (Vet. and Sericult.), v. 19, 33-39 Dictyocaulus viviparus, cattle, survey, regional and seasonal fluctuation, yearlings more susceptible to infection than other age groups, Korean native cattle more vulnerable than other breeds

Seasonal distribution

Seasonal distribution
Karpovich, V. N., 1970, Parazitologiia, Leningrad, v. 4 (4), 345-351 Ceratixodes putus, incidence on adult and juvenile birds, distribution of various life cycle stages on host in relation to surface temperatures of various sections of body, dates of attacking behavior and development in relation to temperature and microclimate of habitats: east Murmans

Seasonal distribution

Seasonal distribution

Seasonal distribution
Kaushik, R. K.; Banerjee, D. P.; and Bali, M. K., 1978, Haryana Agric. Univ. J. Research, v. 8 (1), 71-74 Toxocara canis, dogs (faeces), prevalence, host age, season: Haryana State and Union Territory of Delhi, India

Seasonal distribution
Seasonal distribution
Kaya, H. K.; and Moon, R. G., 1978, J. Nematol., v. 10 (4), 333-341
Heterothelechus autumnalis in Musca autumnalis, occurrence, within-pasture distribution of nematode and its host, frequency of nematodes within male and female hosts, effects of nematode on host (sterility, differential feeding behavior of infected and uninfected females of different age classes), seasonal population dynamics of nematode and host: northern California

Seasonal distribution
helminths of British freshwater fish, population biology: the systems approach; distribution of parasites in the fish population; intermediate host-parasite systems; definitive host-parasite systems (life span and maturation cycle, population changes and their controlling factors, species exhibiting and not exhibiting seasonal cycles in incidence)

Seasonal distribution
Eubothrium parvum in Mallotus villosus, distribution, incidence, intensity, seasonal changes in size and maturity, dispersion throughout its host populations (in relation to host age and size; frequency distributions), possible use as biological tag: Barents Sea; Balsfjord, close to Lyngen Fjord, North Norway

Seasonal distribution
gastro-intestinal strongylosis, ruminants, proposed theories for explaining 'spring-rise' in elimination of helminth eggs, review with new theory

Seasonal distribution
Argas arboreus, diapause incidence, intensity, and seasonal distribution in field collected vs. laboratory-reared females

Seasonal distribution
Khudaverdiev, T. P., 1977, Veterinariia, Moskva (3), 72-74
[Onchocerca sp.], cattle, seasonal distribution, fly vectors, control with chlorophos: Nakhichevansk ASSR

Seasonal distribution
Khudaverdiev, T. P., 1979, Veterinariia, Moskva (9), 46-50
[Dirofilaria], canine, seasonal distribution in mosquitoes, control of larval, pupal, and adult mosquitoes by insecticides: Nakhichevansk ASSR

Seasonal distribution
fleas of Mustela nivalis, seasonal distribution, host specificity, origin of fleas on host: Wytham Woods, near Oxford

Seasonal distribution
Porocephalus crotali in Oryzomys palustris (spleen, liver, lungs, mesenterics, epididymis, walls of abdominal and pleural cavities), seasonal incidence: Cedar Key, Levy Co., Florida

Seasonal distribution
Xenopsylla spp., occurrence and timing of one generation per year, implications for role of fleas in disease transmission: northern Kzylkum

Seasonal distribution
intestinal helminths of Clethrionomys glareolus, structure and seasonal dynamics of helminth groupings in a host population: Bialowieza National Park, Poland

Seasonal distribution
structure and seasonal dynamics of intestinal helminth groupings in Clethrionomys glareolus populations of various forest biocoenoses in Poland

Seasonal distribution
intestinal helminths of Clethrionomys glareolus, distribution pattern of helminth species within host population, seasonal variability, age and sex structure of host population: Poland

Seasonal distribution
intestinal helminths of Clethrionomys glareolus, inter-specific relationships within one host individual (agonistic, indifferent, beneficial), seasonal variations: Poland

Seasonal distribution
Eimeria spp., calves, heifers, and cows, age and seasonal dynamics: Loveleshk okrug

Seasonal distribution
Kolonin, G. V., 1978, Ekologiia, Sverdlovsk (1), 104-105
ixodid ticks, sex ratios of natural pasture populations, seasonal changes: Primorskii krai

Seasonal distribution
Amphiptylly rossica, ecology, field and laboratory studies: feeding, reproduction, development, survival, and longevity under various conditions of temperature and humidity; age composition and physiological state of populations in different months; abundance on Microtus arvalis and in its nests and burrow entrances in different months: Transcaucasian highlands
Seasonal distribution
parasites of Atherina mochoi pontica, seasonal variation of invasion extensity and intensity: Black Sea (region of Karadag)

Seasonal distribution
Plasmodium falciparum, risk of contracting malaria as derived from entomological data, comparison with parasitologically-estimated infection rates and seasonal distribution in children vs. adults: Gambela, western Ethiopia

Seasonal distribution
Plagiorchis elegans, development in final hosts, morphological variation, effect of host species, parasite age, and season

Seasonal distribution
Krishnamurthy, R.; and Kshirsagar, H. S., 1976, Marathwada Univ. J. Sc. (Nat. Sc.), v. 15 (8), 153-156
Eimeria spp., goats (feaces), prevalence and seasonal incidence: slaughter house at Parbhani, Maharashtra state

Seasonal distribution
Trypanosoma congoense, prevalence by host sex and weight and by months, splenomegaly, only Ixodes ricinus found on mammals and vegetation of surveyed area; experimental host range: westlich von Munchen

Seasonal distribution
Wuchereria bancrofti, human epidemiology in savannah vs. forest regions, dynamics and intensity of transmission, vector survey: Liberia

Seasonal distribution
Kulachkova, V. G., 1972, Parazitologija, Leningrad, v. 6 (3), 297-304
Helminths of Sagitta elegans, annual and seasonal dynamics, occurrence compared with other geographic areas: White Sea

Seasonal distribution
Gyrodactylus sp., size of anchors and marginal hooks on opisthaptor, seasonal variation, dependence on water temperature, natural and experimental evidence

Seasonal distribution
Trichobius corynorhini on hibernating Plecotus townsendii, parasite distribution on host, frequency and levels of infestation in relation to host density and clustering behavior and sex, value of these adaptations

Seasonal distribution
Onchoerca gibsoni, slaughtered cattle, infection rate and nodule characteristics in relation to geographic region, season, breed, sex, and age of host: Australia

Seasonal distribution
Eimeria spp., chickens, incidence of clinical coccidiosis vs. month of year and age of host in the Ontario Veterinary Services Branch records 1973-1977, possible use of data to synchronize drug rotation with change in incidence

Seasonal distribution
Helminth fauna of Larus argentatus, intensity and extensity, host age and seasonal dynamics: Black Sea preserve, Kherson oblast

Seasonal distribution
Letch, C. A.; and Ball, S. J., 1979, Parazitologija, v. 79 (3), 199-214
Trypaonosemiboides bovis, prevalence in fish, seasonal fluctuation, host age: River Lee at Enfield Lock

Seasonal distribution
Epistylis [sp.], fishes, host specificity, intensity of infestation, attachment site, factors affecting prevalence (host length, water quality, season): North Carolina

Seasonal distribution
Intestinal nematodes of dogs and cats, prevalence, sex and age of host, seasonal patterns, statistics obtained from records of the Iowa State University Veterinary Clinic: Ames, Iowa

Seasonal distribution
Moniezia expansa, goats, seasonal incidence, age of host, biology of oribatid mite vectors, control measures: Sieng-Yu district, coastal Fukien
Seasonal distribution
Haemophysalis leporispalustralis infestations of juvenile and adult Sylvilagus floridanus from January 1974-December 1975 in Douglas County, Kansas, relationship to skin-sensitizing antibody production, models used to interpret data show promise for predicting tick population fluctuations and incidence of vector borne disease outbreaks, implications of existence of resistance to tick attachment

Seasonal distribution
Ixodid ticks of wild animals and cattle, anomalous infestation patterns in 3 ecologically different areas, seasonal distribution: Zambia

Seasonal distribution
Madhavi, R., 1979, J. Fish Biol., v. 14 (1), 47-58
Allocreadium fasciatusi in Aplocheilus melastigma, seasonal changes in incidence and intensity, maturation cycle, host sex and length, seasonal occurrence in intermediate host Amnicola travancorica: stream at Waltair, India

Seasonal distribution
Helminth fauna of sheep, slaughterhouse survey, simplified method of necropsy employed for collecting gastro-intestinal helminths, seasonal distribution data for Haemonchus, Teladorsagia, and Trichostrongylus: Poland

Seasonal distribution
Ostertagia ostertagi, Trichostrongylus axei, Haemonchus contortus, seasonal dynamics in calves, discussion in relation to inhibition of larval development and spring rise phenomenon: Poland

Seasonal distribution
Coccidiosis, cattle, zebu, buffalo, age and seasonal dynamics: Azerbaidzhan

Seasonal distribution
Manas Almendros, I.; et al., 1978, Rev. Iber. Parasitol., v. 38 (3-4), 751-773
Dicrocoelioides dendriticus, frequency in cattle, according to host age and sex, seasonal distribution: Granada, Spain

Seasonal distribution
van Maren, M. J., 1979, Bijdr. Dierk., Amsterdam, v. 48 (2), 97-110
Pomphorhynchus laevis, Polymorphus minutus, and Metechinorhynchus truttae in Gammarus fossarum, occurrence and infestation rates in relation to intermediate host life cycle, occurrence in final hosts: Rhone river system, near Lyon

Seasonal distribution
Entero-parasitic cysts and eggs, contamination of green vegetables and kitchen garden soils, epidemiological survey, most commonly found during dry-season when fecal polluted brooks were used for irrigation: Ribeirao Preto, Sao Paulo, Brasil

Seasonal distribution
Nematodes, coccidia, age and seasonal dynamics of infection rates of chickens

Seasonal distribution
Fasciola hepatica, sheep grazing on irrigated vs. non-irrigated pastures, temporal distribution of acquisition of infection, influence of infection on productivity, outline of suitable treatment regimen: northern Victoria

Seasonal distribution
Mehrotra, P.; and Singh, T., 1979, Indian J. Animal Sc., v. 49 (9), 755-756
Haemotoplus tuberculatus, seasonal occurrence on buffalo: Bikaner Division, Rajasthan

Seasonal distribution
Gastro-intestinal nematodes, incidence in cattle on pastures during dry period: Savannah area of Mato Grosso State, Brazil

Seasonal distribution
Ostertagia ostertagi, Cooperia oncophora, arrested development, seasonal effects on conditioning and deconditioning of infective larvae were minimal

Seasonal distribution
Milin, A. J., 1978, N. Zealand Entom., v. 6 (4), 392-399
Mattesia sp. and Nosema takapauensis in Costelytra zealandica, incidence among larvae, seasonal distribution, growth and development of diseased larvae, mortality, transmission by soil: New Zealand

Seasonal distribution
Minar, J.; and Dorzh, C., 1970, Folia Parasitol., v. 17 (1), 91-92
Hypoderma spp., cattle, infestation in relation to host age and breed, geographical area, season, and method of breeding; rearing experiments: Mongolia

Seasonal distribution
Moravec, F., 1971, Folia Parasitol., v. 18 (2), 107-112
Cystidicoloïdes tenuissima, life history, seasonal changes in incidence, mean intensity of infection, maturation: vicinity of Hruby Voda, Czechoslovakia
Seasonal distribution
Cardioiodes medusaeus on Stenobrachius leucoparsus, prevalence in different collection sites and seasons, effects on host (pathology, mortality, parasitic castration, promoting somatic growth); hyperparasitism of copepods by Hydrichthys sp.: off Los Angeles; off Santa Barbara; off San Diego

Seasonal distribution
Schistosoma nasale in Indoplanorbis exustus, seasonal prevalence: Karnataka

Seasonal distribution
ecology of parasites of Apodemus sylvaticus and Cleithronomyos glareolus: analysis of parasite populations and their seasonal variation in two contrasting habitats: Bristol area, England

Seasonal distribution
Fessisentis friedii in Caecidotea communis (hemocoel), prevalence and mean intensity in hosts of various size classes and in different seasons: 'Old Reservoir,' Durham, New Hampshire

Seasonal distribution
Muzzall, P. M., and Bullock, W. L., 1978, J. Parasitol., v. 64 (5), 860-865
Neoechinorhynchus saginatus in Semotilus corporalis, seasonal changes in prevalence and intensity, parasite population structure, distribution in host intestine, relationship between fish size and parasite prevalence and intensity, occurrence in other hosts: Oyster River, Durham, New Hampshire

Seasonal distribution
Fasciola gigantica, ecology of intermediate host, Lymnaea natalensis; seasonal distribution of fluke infestation in snail: Malawi

Seasonal distribution
Boophilus microplus, 3 breeds of cattle, infestation rate, seasonal variation, breed susceptibility: Union Territory of Delhi

Seasonal distribution
Gamasid mites, seasonal fluctuations on small rodents in a wind-shelter belt: Tonden, Sapporo, Hokkaido

Seasonal distribution
trichostrongylid, grazing cattle, factors influencing fluctuations in herbage contamination, epidemiological consequences of intensification of animal husbandry methods: Denmark

Seasonal distribution
hookworms, acquisition and loss by children over 22-month study period, host age, sex, and religion, seasonal patterns, extrapolation of estimates for larval efficiency and adult life spans: rural West Bengal

Seasonal distribution
Trypanosoma theileri, cattle (blood), incidence, seasonal distribution: Iran

Seasonal distribution
Ixodes ricinus larvae, overdispersed distribution on small mammal species in field during spring and autumn, host sex, feeding success on different host species under laboratory conditions, orientation, movements, and spatial frequency distribution on host body: Kullaberg, southern Sweden

Seasonal distribution
seasonal occurrence of ectoparasites of Cleithronomyos glareolus and inhabitants of its nest, interrelationships between different groups of arthropods on the host and/or in its nest: Komi ASSR

Seasonal distribution
Oestrus ovis, West African Dwarf goats, monthly incidence: Ibadan, Nigeria

Seasonal distribution
Haemonchus contortus, Trichostrongylus spp., sheep, termination of arrested development, time of year: northern Nigeria

Seasonal distribution
trichostrongylid larvae, pasture infectivity for tracer lambs throughout period of one year, weather data: Guinea Savannah, Nigeria

Seasonal distribution
Haemonchus contortus, Gaigeria pachyscelis, Oesophagostomum columbianum, goats, incidence, peak adult worm burden reached by end of rains, proposed regime of anthelmintic treatment: Guinea Savannah, Sahel, and Rain Forest zones of Nigeria
Seasonal distribution


Seasonal distribution

Olsson, G., 1977, Svensk Vet.-Tidn., v. 29 (9), 361-365 Ostertagia sp., cattle, inhibited fourth stage larvae found in abomasum from September-October until May: Uppsala, Sweden

Seasonal distribution


Seasonal distribution


Seasonal distribution

Paniz, E., 1978, Vet. Parasitol., v. 4 (2), 161-166 Gastrophilus intestinalis, G. nasalis, seasonal prevalence and infection dynamics in horses in the Mid-Atlantic United States

Seasonal distribution

Patrick, C. D.; and Hair, J. A., [1979], J. Parasitol., v. 64 (6), 1978, 1100-1106 Amblyomma americanum, effect of habitat utilization by white-tailed deer on seasonal abundance of tick populations in 3 different habitats

Seasonal distribution

Pederson, J. C., 1977, Great Basin Nat., v. 37 (3), 407-409 Dermacentor albipictus on Odocoileus hemionus (anus, ears, areas of flank and udder), rates of occurrence and infestation, seasonal distribution, age of host and parasite: Utah County, Utah

Seasonal distribution

Petersen, G. W., 1979, N. Zealand J. Zool., v. 6 (2), 319-320 Ornithonyssus bursa on Sturnus vulgaris (folds of skin, base of bill below eyes, under chin near mandible), small overwintering population forms in nucleus for rapid buildup in nest boxes during host breeding season: Aokautere and near Masterton

Seasonal distribution


Seasonal distribution

Phillips, W. J.; and Cannon, L. R. G., 1978, J. Fish Dis., v. 1 (2), 137-149 Sacculina granifera infections of Portunus pelagicus, prevalence, host age and sex, seasonal distribution, influence of parasite upon host: morphological and behavioural modifications, inhibited molting, male sterility: Moreton Bay, Queensland

Seasonal distribution

Piesman, J.; and Spielman, A., 1979, Ann. Entom. Soc. Am., v. 72 (6), 829-832 immature Ixodes dammini, host association and seasonal abundance, role as vectors of Babesia microti: southeastern Massachusetts

Seasonal distribution


Seasonal distribution

Pointier, J. P.; and Theron, A., 1979, Ann. Parasitol., v. 54 (1), 43-56 Schistosoma mansoni, distribution and population dynamics of Biomphalaria glabrata, prevalence of infection, rhythm of presence and density of cercariae: freshwater mangrove, Guadeloupe, French Antilles

Seasonal distribution

Prestwood, A. K.; Smith, J. F.; and Brown, J., 1971, J. Wildlife Dis., v. 7 (3), 149-154 Dictyocaulus viviparus in Odocoileus virginianus (lungs), prevalence and numbers, seasonal abundance, host age and sex: Alabama; Arkansas; Florida; Georgia; Kentucky; Louisiana; Maryland; Mississippi; North Carolina; South Carolina; Texas; Virginia; and West Virginia

Seasonal distribution


Seasonal distribution


Seasonal distribution

Pyen, C. K.; et al., 1978, Bull. Fish. Research and Development Agency (Kungnip Susan Chinghungwon yon’gu pogo) (20), 97-108 Bacciger harengulae (Cercaria pectinata) in Meretrix lusoria, infection rate, monthly variation, influence of environmental factors and parasitism on mortality of hard clams: west and south coast of Korea

Seasonal distribution

Seasonal distribution
Ranque, P.; et al., 1979, Med. Trop., v. 39 (5), 545-548

Seasonal distribution
dracunculiasis, humans, distribution and incidence, seasonal variations, vectors and their habitats: Mali

Seasonal distribution
Boophilus microplus, seasonal variation of larval population density in four pasture locations, variations related to rainfall: Jamaica

Seasonal distribution
Ostertagia leptospicularis, Spiculopteragia alcis, winter-slaughtered reindeer, lower prevalence in calves than in adults, lower number of species than in autumn, possible significance: Sweden

Seasonal distribution
Gamais mites on [Meriones tamariscinus] and [M. meridianus] and in their nests: Tersko-Kumsk territory (North Caucasus)

Seasonal distribution
Remiannikova, С.; and von Szokolay, P., 1978, J. Fish. Research Bd., v. 2 (6), 481-491
Ichtyobodo necator on farmed salmonids, prevalence and intensity in relation to time, temperature, and host age; suggested that some form of host defense mechanism is operating: central Scotland

Seasonal distribution
Anaplasma marginale in Bos taurus and B. indicus types, clinical outbreaks, serological survey, seasonal distribution, age, sex, and breed of host, high prevalence in Boophilus microplus infested areas: southern Queensland

Seasonal distribution
Ectoparasites of fish, particularly Monogenea, critical evaluation of intrinsic and extrinsic factors responsible for niche restriction

Seasonal distribution
Giardia lamblia, children, age and seasonal incidence: urban district, Bucuresti

Seasonal distribution
Rumiantsev, E. A., 1972, Parazitologiia, Leningrad, v. 6 (5), 416-418
Dactylogyrus populations on Rutilus rutilus, effect of annual changes in water temperature on time of infection peak: Kuito lakes, northern Karelia

Seasonal distribution
Cephenemyia spp. on Odocoileus virginianus, prevalence and numbers, seasonal distribution, age and sex of host, habitat: Welder Refuge, San Patricio County, south Texas

Seasonal distribution
Sankurathri, C. S.; and Holmes, J. C., 1976, Canad. J. Zool., v. 54 (10), 1742-1753
Parasites and commensals (Oligochaeta and larval Diplozoon) of Physa gyrina in control area vs. area affected by thermal effluents, prevalence, seasonal changes, interactions (including ingestion of cercariae by oligochaetes), ecological model: Lake Wabamun, Alberta

Seasonal distribution
Sannia, A.; and James, B. L., 1978, Ztschr. Parasitenk., v. 56 (1), 1-11
Cercaria cerastodermae I in Cerastoderma edule, variations in occurrence as related to season, size, age, distribution and species of host; double infections with other trematodes: Thames estuary

Seasonal distribution
Santiago, M. A. M.; Benevenga, S. F.; and da Costa, U. C., 1976, Pesquisa Agropec. Brasil., v. 11 (9), 1-7
Helminthiasis, sheep, epidemiology, monthly incidence, proposed control scheme: Itaquí county, Rio Grande do Sul, Brazil

Seasonal distribution
Ascarops strongyline, Physcocephalus seralatus, Simondsia paradoxa, pigs (stomach), seasonal incidence and intensity: slaughterhouses in western region of Uttar Pradesh

Seasonal distribution
Trichostongylid fecal egg output of lambing and non-lambing ewes in 2 sheep flocks in dry season of 1975/1976 and 1976/1977, effect of lactation vs. that of seasonal development of hypobiotic larvae, difference between the 2 dry seasons was associated with different rainfall patterns during 1975 and 1976: northern Nigeria

Seasonal distribution
Helminths, calves, seasonal incidence: Northern Transvaal Bushveld, South Africa

Seasonal distribution
Trematode parasites of Argentina silus, incidence and intensity in different host length groups, as indicators of change in host feeding habits, not suitable as biological tags to distinguish host populations; Lecithophyllum botryophorum, parasite length/frequency distribution in different host length groups, seasonal variation, parasite life span and growth: western Atlantic
Seasonal distribution
fascioliasis, sheep, epidemiology: seasonal availability of metacercariae, parasite stages overwintering on pasture: Denmark

Seasonal distribution
Gigantocotyle explanatum in domestic ruminants and Gyraulus convexiusculus, frequency of occurrence, seasonal variations: northern India

Seasonal distribution
Echinophaga myrmecobi, E. perilis, and E. gallinacea on Oryctolagus cuniculus, seasonal occurrence, ratio of male/female fleas, age and sex of host: Mallee region, north-west of Victoria, Australia

Seasonal distribution
Shepherd, R. C. H.; and Edmonds, J. W., 1979, Med. and Hyg., v. 27 (2), 261-271
Echinophaga myrmecobi and E. perilis on Oryctolagus cuniculus, distribution on host, seasonal patterns of increase and decrease, sex of parasite, age and sex of host: Pine Plains, Mallee region of Victoria

Seasonal distribution
Spilopsyllus cuniculi, distribution and spread on different land forms at regular intervals following release, seasonal occurrence on male vs. female rabbits, development of stable host-parasite relationship over period of several years: Central District of Victoria

Seasonal distribution
Sherkov, S. N. ; et al., [1977], Egypt. J. Vet. Sc., v. 3 (3), 287-295
survey of Eimeria spp., chickens, no significant seasonal fluctuation of coccidiosis outbreaks: Jordan

Seasonal distribution
Linguatula serrata, domestic animals, survey, highest intensity of invasion in mountainous areas, seasonal distribution, age of infection in young animals, control measures: Jordan

Seasonal distribution
survey of tick-borne protozoa in domestic animals, spring-summer distribution: Jordan

Seasonal distribution
Sarcosporidia, survey of incidence in domestic animals by examining for cystozoites rather than cysts, distribution by season, age of host, species of animal, and climate: Jordan
Seasonal distribution
Haemonchus contortus utkalensis in goats, vulvar configurations, 17 variants identified among 3 phenotypes, seasonal occurrence in relation to temperature and humidity, order of dominance is knobbed > linguiform > smooth except in July when it is knobbed > smooth > linguiform: Ludhiana, India

Seasonal distribution
sucking lice on small rodents, infestation in relation to type of forest, host age and sex, and season: Crimean mountains

Seasonal distribution
Sosnina, E. F.; and Davydov, G. S., 1975, Parazitologiia, Leningrad, v. 9 (2), 183-189
Neohaematopinus palaearcticus infestation of Marmota caudata in relation to geographic regions and vertical zones, season, host activity period (hibernation, reproduction, etc.), host age and sex, age and sex structure of louse populations: Tadzhikistan

Seasonal distribution
Isoparorchis hypselobagri in Mystus aor and M. seenghala, intensity of infestation, seasonal variation, host size (age) and sex: river Jamuna, Allahabad, India

Seasonal distribution
Strazhnik, L. V.; and Davydov, O. N., 1975, Parazitologiia, Leningrad, v. 9 (1), 37-48
3 spp. of fish cestodes, glycogen content of parasites and host tissues, seasonal changes in glycogen content of parasites; effect of experimental exposure to various temperatures on parasite glycogen content, motor activity, and duration of life; effect of starvation on glycogen content of parasite and host in aquaria at various temperatures

Seasonal distribution
Paragonimus kelliottii, population biology of metacercariae in crayfish (Orconectes rusticus, Orconectes sp.): prevalence and intensity in relation to host size (age) and sex, frequency distribution (negative binomial) and abundance in two different localities (in municipal park vs. in undisturbed woodlot), seasonal variation, no apparent detrimental effect of infection on host, seasonal timing of life cycle events is postulated: tributary of Alum Creek near Westerville, Franklin County, Ohio

Seasonal distribution
Suh, M. D.; et al., 1978, Research Rep., Office Rural Develop., Min. Agric. and Fish., Korea, v. 20, 47-52
Dictyocaulus viviparus, cattle, infestation rates in relation to season, fattening vs. individual farm-houses, native vs. dairy cattle, and host age: Seoul abattoir, Korea

Seasonal distribution
Sulgostowska, T.; and Grytnert-Zielica, B., 1974, Acta Parasitolog. Polon., v. 22 (3-4-44), 401-413
trematodes, seasonal distribution, distribution in intestine of Clangula hyemalis: Baltic Coast, Gdansk Province, Poland

Seasonal distribution
Oestrus ovip, sheep, extensity and intensity of infection, time of development, localization of different stage larvae within host, time and distance of flight of adult females: lowland, foothill, and mountain zones of Azerbaidzhan SSR

Seasonal distribution
Sutherst, R. W.; et al., 1979, J. Applied Ecol., v. 16 (2), 397-403
Boophilus microplus, density-dependent mortality of ticks on cattle in relation to season, host sex, breed, and level of tick resistance

Seasonal distribution
Haematobia stimulans, seasonal dynamics of attacks on Bos taurus and B. (Poephagus) grunniens, intermediate host of Setaria cervi: vicinity of Tevshruulekh, N. Khangai aimak, Khangai mountainous region, Mongolian People's Republic

Seasonal distribution
Tashkinov, N. I., 1976, Parazitologiia, Leningrad, v. 6 (4), 326-333
Oedemagenia tarandi in reindeer of different age and sex groups, larval development, larval emergence, flight and attacking activity of imagos: seasonal and daily dynamics, weather effects, other factors

Seasonal distribution
parasite fauna of Perca flavescens, seasonal changes in incidence and intensity: Bay of Quinte, Lake Ontario

Seasonal distribution
Wolffahrtia magnifica, pupal diapause, autumn temperatures and photoperiod as factors, practical importance of stronger autumn control measures to prevent population build up

Seasonal distribution
Tesarcik, J., 1972, Parazitologiia, Leningrad, v. 6 (2), 190-191
Neoechinorhynchus rutili, localization in intestine of carp, changes during season, anthelmintic introduced per rectum is not effective, better results with tetraphinol fed to fish at 1 mg/kg body weight

Seasonal distribution
Thomas, R. J.; and Starr, J. R., 1978, Vet. Rec., v. 103 (21), 465-468
sheep nematodes, pattern of infective larvae on pasture, correlation between time of summer peak and cumulative rainfall, possible use in forecasting onset of major infection in lambs

SUBJECT HEADINGS
Seasonal distribution
Sulgostowska, T.; and Grytnert-Zielica, B., 1974, Acta Parasitolog. Polon., v. 22 (3-4-44), 401-413
trematodes, seasonal distribution, distribution in intestine of Clangula hyemalis: Baltic Coast, Gdansk Province, Poland
Seasonal distribution
Thomas, R. J.; and Waller, P. J., 1979, Research Vet. Sci., v. 26 (2), 209-212
abomasal nematodes, lambs, epidemiology during winter and spring: infective pasture larval availability, parasite population changes and inhibition patterns: Northumberland

Seasonal distribution
Microphallus pygaeus and Cercaria parvicaudata in Littorina saxatilis, intensity and extensity of infection by sex and size of host and month; host reproductive capacity; experimental infection in mice: Gulf Island, Witless Bay and Newman's Sound, Newfoundland

Seasonal distribution
Seasonal distribution
parasitic gastro-enteritis, epidemiological pattern in calves born during dry season vs. wet season, genera of strongyles that affect calves at certain ages and seasons of year, suggested deworming practices: ANSA Cattle and Crop Farms, Philippines

Seasonal distribution
longevity of strongyle larvae in cattle dung pats on pasture, larvae persisted longer in pats deposited during dry vs. rainy season
Seasonal distribution
Varma, S.; et al., 1978, Haryana Agric. Univ. J. Research, v. 8 (1), 40-44 gastrointestinal nematodes, domestic pigs, seasonal variation: Hissar

Seasonal distribution
Vasil'ev, G. I.; Elistratova, N. P.; and Lazareva, L. A., 1979, Ekologiya, Sverdlovsk (1), 97-99 Paradoxopsyllus scorodumovi parasitizing Ochotona princei in plague focus, ecology: seasonal distribution, abundance on animals, in nests, and in burrow entrances, age and sex composition of populations, high alimentary activity: Gorno-Altaig

Seasonal distribution

Seasonal distribution
Volianskii, Yu. E., 1972, Parazitologiya, Leninigrad, v. 6 (1), 54-56 fleas in nests of Microtus arvalis, seasonal changes in number and fauna in 2 different habitats: environs of Odessa

Seasonal distribution
Volianskii, Yu. E., 1974, Parazitologiya, Leninigrad, v. 8 (1), 12-14 gamasid mites in nests of Microtus arvalis, seasonal changes in abundance, females were dominant in collections: vicinity of Odessa, south-eastern Ukraine

Seasonal distribution

Seasonal distribution
Waller, P. J.; and Thomas, R. J., 1978, Internat. J. Parasitol., v. 8 (4), 275-283 Ostertagia spp., epidemiology in natural parasite populations in sheep raised under intensive conditions, climatic conditions, egg counts and pasture larval availability, seasonal worm burdens, inhibition of larval development: north-east England

Seasonal distribution
Waller, P. J.; and Thomas, R. J., 1978, Internat. J. Parasitol., v. 8 (5), 365-370 Ostertagia circumcincta in tracer lambs (susceptible) vs. continuously grazed lambs (potentially resistant) over course of seasonal exposure to natural infection, worm burdens, % larval inhibition, parasite sex ratio, vulval flap pattern, worm size, results indicate importance of host-induced effects on morphological development

Seasonal distribution

Seasonal distribution
Wang, C. L.; and Chen, C. R., 1975, Tung Wu Hsueh Pao (Acta Zool. Sinica), v. 21 (2), 199-204 Stephanurus dentatus, pigs, seasonal infestation of soil, viability of larvae in different soil types, tetramisole sulphamidine, other control measures: Fukien

Seasonal distribution
Ward, J. K.; Ferguson, D. L.; and Parkhurst, A. M., 1979, J. Animal Sc., v. 49 (2), 306-309 gastrointestinal parasites, beef cows (feces), level of infection, effect of animal age and season of year: Wead, Nebraska

Seasonal distribution
Wierzbitzka, J., 1977, Acta Parasitol. Polon., v. 25 (1-10), 1-16 survey of trematodes of 3 species of fish with some data on seasonal dynamics of infestation: Dabie lake, Poland

Seasonal distribution
Wilkins, H. A.; and Scott, A., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (4), 397-404 Schistosoma haematobium, children, 4-year study of egg counts, variations with age and with season, significant degree of stability of individual counts relative to those of group as whole, immunity as possible regulating factor: The Gambia

Seasonal distribution
Williams, D. D., 1979, Iowa State J. Research, v. 53 (4), 305-310 Isoglaridacris wisconsinensis in Hypentelium nigricans, seasonal incidence, parasite maturation: Red Cedar River (southern Barron Co.), Wisconsin

Seasonal distribution
Williams, D. D., 1979, Iowa State J. Research, v. 53 (4), 311-316 Glaridacris laruei and G. catostomi in Catostomus commersoni, seasonal incidence, parasite maturation: Red Cedar River (Barron County), Wisconsin

Seasonal distribution

Seasonal distribution

Seasonal distribution
Woodward [i.e. Woodard], D. B., 1978, Mosquito News, v. 38 (1), 80-83 Diximermis peterseni, laboratory reared, successfully established in field populations of Anophelus, continuous introduction of nematode not required to maintain infections, seasonal variation of parasite activity: southwest Louisiana
Seasonal distribution
Wu, B.; et al., 1979, Tung Wu Hsueh Pao (Acta Zool. Sinica), v. 25 (1), 50-57
Myxobolus djragini in Hypophthalmichthys molitrix, seasonal fluctuations with regard to occurrence and development of parasites, recommended prophylactic measures and treatment: hatchery ponds, Hangzhou region of Jiang Province.

Seasonal distribution
Myxobolus insidiosus in Oncorhynchus tschawytscha, epizootiology, factors affecting prevalence of infection in naturally contaminated waters, no infection could be induced in susceptible fish in disease free water supply: Oregon.

Seasonal distribution
Zolotov, P. E.; et al., 1974, Parazitologija, Leningrad, v. 8 (2), 116-122
Ixodes persulcatus, I. ricinus, ecology, seasonal activity: Leningrad oblast.

Seasonal distribution
Xenopsylla numbers of generations in northern desert subzone, overlapping of generations, overwintering: Bakannassk GMS.

Seasonal distribution
Gamasid mites in nest of Arvicola terrestris, seasonal changes: Tiumensk oblast.

Self-cure. See Immunity.

Self-infection. See Disease transmission, Auto-infection.

Senegal
Coccidia and helminths of cattle, economic importance: Senegal. (Toxocara vitulorum; Strongyloides papillosus; Oesophagostomum radiatum; Bunostomum phlebotomum; Trichostrongylus colubriformis; T. axei; Cooperia punctata; C. pectinata; Haemonchus placei; H. contortus; Nematodirus spathiger; Thelazia rhodesi; T. balayi; Onchocerca ochengi; O. armillata; O. gutturosa; Elaeophora poelli; Setaria labiatopapillosa; Trichuris globulosa; Moniezia expansa; M. benedeni; Stilesia globipunctata; Avitellina centripunctata; Thysaniezia ovilla; Cysticercus bovis; Echinococcus polymorphus; E. granulosus; Dicrocoelium hospes; Fasciola gigantica; Schistosoma bovis; S. curassoni; Pararthrobothrium microbothrium; P. liorchiis; Cotylophoron cotylophorum; C. fullebornii; C. jacksoni; C. caricophorum; Carmanyelius spathius; Eimeria zuernii; E. bovis; E. ellipsoidalis; E. auburnensis; E. subspherica; E. cylindrica; E. brasiliensis; E. alabamensis; E. wyomingensis)

Serial passage. See Passage.

Serum proteins. See Proteins.

Sewage
Helminths in sewage, decontamination by electrophaguation and electrofлотation after preliminary treatment with calcium hydroxide: livestock farms, Bulgaria.

Sewage
Schistosoma mansoni, sewage stabilization ponds efficient barrier against transmission, laboratory and field experiments, egg hatchability, miracidia infectivity, and survival of Biophthalmia glabrata.

Sewage
Thermophilic pig slurry recycling process rapidly killed free living stages of Trichuris suis, Ascaris suum, and Oesophagostomum spp.

Sewage
Chevranova, Iu. A.; Bukhtoiarov, A. I.; and Fastrebov, E. E., 1978, Gig. i Sanitariia (4), 100-102
Ascaris suum, A. lumbricoides, use of ammonia to destroy ascidian eggs in sewage sludge.

Sewage
Fitzgerald, P. R.; and Prakasam, T. B. S., 1978, J. Parasitol., v. 64 (3), 445-447
Trichinella spiralis larvae in muscle tissue were able to survive anaerobic digestion in sewage sludge.

Sewage
Parasitic problems associated with disposal of sewage, sludge, and wastes of domestic animals, suggested control measures: West Germany.

Sewage
Transmission of parasitic diseases of livestock by stable manure, waste water, and sludges, preventive measures, review.

Sewage
Taenia saginata cysticerci, grazing steers exposed to nonheat-treated city sewage sludge; multiple incisions of heart during meat inspection needed to increase efficiency of detection; southern Virginia.

Sewage
Khizhnijak, N. I., 1977, Gig. i Sanitariia (12), 76-78
Ascarid eggs from swine used in test of extent of spreading of helminth eggs by sewage used for pasture irrigation, various sprinkler apparatuses.
Sex and parasitism

Beck, J. T., 1979, Parasitology, v. 79 (3), 431-449

Probopurus pandalicola-infected Palearmonetes paludosus, distribution, infection levels by site and season and by host sex and size, parasite burden, regulation of host-parasite (parasitic castrator) interactions: Florida

Sex and parasitism

Bishop, R. K.; and Cannon, L. R. G.; 1979, J. Fish Dis., v. 2 (2), 131-144

Sacculina granifera, morbid behavioral changes in infected Portunus pelagicus; concluded that parasite secretes hormonal mimic which induces ovigerous behavior which maximizes survival of parasite population

Sex and parasitism

Bulnheim, H. P.; 1978, Helgoland. Wissensch. Meeresuntersuch., v. 31 (1-2), 1-33

Octosporea effemins and Thelohania hereditaria in Gammarus duebeni duebeni, feminizing influence exerted on host's offspring by parasites, role of salinity and temperature on sex determination by parasites

Sex and parasitism


Bucephalus sp. in Crassostrea madrasensis (mantle, digestive gland, normal site of gonad, gills, labial palps), worm measurements, parasitic castration, total inhibition of gametogenesis, seasonal incidence: Mulki estuary

Sex and parasitism


nematodes of family Allantonematidae causing parasitic castration in fleas: southwest Europe

Sex and parasitism

Mahon, R.; 1976, Canad. J. Zool., v. 54 (12), 2227-2229

Ligula intestinalis-infected Notropis hudsonius, parasitism results in sterilization, poor condition, and small size, infected fish mainly over 1 year of age; south shore of Long Point, Lake Erie

Sex and parasitism

van Maren, M. J.; 1979, Bijdr. Dierk., Amsterdam, v. 48 (2), 97-110

Pomphorhynchus laevis and Polymorphus minutus in Gammarus fossarum, occurrence and infestation rates in relation to intermediate host life cycle, occurrence in final hosts, parasite membrane, parasitic castration of intermediate host: Rhone river system, near Lyon

Sex and parasitism

Moser, M.; and Taylor, S.; 1978, Canad. J. Zool., v. 56 (11), 2372-2376

Cardiocetes medusus on Stenobrachius leucomarginatus, prevalence in different collection sites and seasons, effects on host (pathology, mortality, parasitic castration, promoting somatic growth); hyperparasitism of copepods by Hydrichthys sp.: off Los Angeles; off Santa Barbara; off San Diego

Sex and parasitism

Nassi, H.; 1978, Acta Trop., v. 35 (1), 41-56

Ribeiroia marini guadeloupensis n. sp., life cycle, sterilization of Biomphalaria glabrata (vector of schistosomiasis), method for producing large quantities of trematode eggs with view to eventual control of snail populations: Guadeloupe

Sex and parasitism

Phillips, W. J.; and Cannon, L. R. G.; 1978, J. Fish Dis., v. 1 (2), 137-149

Sacculina granifera infections of Portunus pelagicus, prevalence, host age and sex, seasonal distribution, influence of parasite upon host: morphological and behavioural modifications, inhibited moulting, male sterility: Moreton Bay, Queensland

Sex and parasitism


Empidomeris cozii n. gen., n. sp., life cycle, parasitized adult female Anopheles funestus were sterilized and died soon after nematodes emerged
Sex and parasitism
Samuel, D.; 1978, Indian J. Fish., v. 23 (1-2), 1976, 153-159
Bucephalopsis hamaimus cercariae in Crassostrea madrasensis (gonads), parasite morphology, effect on host (sterility; gianitism in 2 cases, loss of flesh weight in 1 case): Karapad Creek, Tuticorin

Sex and parasitism
Microsporidia [sp.]-infected Rana pipiens, class of unique abnormally enlarged and discolored follicles and oocytes identified in ovaries, various parameters of composition, function, and structure of these large oocytes: Vermont

Sex and parasitism
Bucephalopsis sp., parasitic castration of Crassostrea madrasensis (gonads): South Kanara district, Karnataka

Sex and parasitism
mermithid infection of chironomid larvae, effects upon genital imaginal discs, specific aberrations concerning mitotic rate, cell death, organogenesis, cell pattern differentiation, and cell differentiation, review

Sex of host
Alikhanov, Sh. G., 1973, Parazitologiia, Leningrad, v. 7 (2), 175-179
Theholania opacita in Aedes caspius caspius, changes in host sex ratio of populations as result of infection, more females than males

Sex of host
human pulmonary echinococcosis, surgical management of 37 cases, localization, age and sex distribution of patients, surgical complications, criteria for surgical methods employed

Sex of host
fleas of mammals, morphological variations in certain key diagnostic characters, seasonal distribution, sex ratio, host sex: southeastern Wisconsin

Sex of host
Echinorhynchus salmonis in fishes, seasonal distribution and development, sex ratio, distribution in host intestine, host age and sex, pathogenicity: southwestern Lake Michigan

Sex of host
Appleton, G. L.; Arlian, L. G.; and Boise, P. C., 1979, Ohio J. Sc., v. 79 (3), 136-138
Dirofilaria immitis, dogs, prevalence with respect to several factors (source, breed, age, sex, etc.): Dayton, Ohio area

Sex of host
paragranimiasis, humans, incidence survey (1972-1976) by age and sex: Ecuador

Sex of host
blood parasites, livestock, incidence in relation to host sex and age and to husbandry and management practices: Accra Plains, Ghana

Sex of host
Atangana, S.; et al., 1979, Med. Trop., v. 39 (5), 537-543
onchocerciasis, malaria, humans, epidemiological and vector survey; no evidence of schistosomiasis but potential vectors are present; little evidence of Toxoplasma gondii: lac de retenue de Bamendjin, Cameroun

Sex of host
Atkinson, T. H.; and Wilkinson, R. C., 1979, Florida Entom., v. 62 (3), 169-175
Unikaryon minutum and Contortylenchus brevicomini in Dendrocothone frontalii, incidence in live-trapped males vs. reared males and females; modified livetrap: Eglin AFB Foreest, FL; near Athens, GA

Sex of host
Anoaplocephala perfoliata, survey of prevalence in horses, seasonal occurrence, no significant differences between ages or sexes of host: abattoir, South Auckland

Sex of host
Maritrema misenensis, ecological conditions required for life cycle, different intermediate hosts utilized in lagoon vs. marine habitat, method of infestation of second intermediate host, variation in parasitism of second intermediate host in relation to season and age and sex of host: region de Brusc, Provence, France

Sex of host
Trypanosoma cruzi, rural people, serological prevalence survey by complement fixation: South Region of Rio Grande do Sul State, Brazil

Sex of host
Beck, J. T., 1979, Parasitology, v. 79 (3), 431-449
Probopyrus pandalicola-infected Palaemonetes paludosus, distribution, infection levels by site and season and by host sex and size, parasite burden, regulation of host-parasite (parasitic castrator) interactions: Florida

Sex of host
[Letter]
Onchocerca lienalis, cattle (gastro-splenic ligament), prevalence, age and sex of host: north Queensland
Sex of host

Anisakis simplex in Salmo salar, sites of infection, prevalence, variation in mean numbers of larvae per fish in relation to host's sex, age, geographic locality, and year and season of capture; mean numbers as biological indicator of host stock composition: 14 sampling stations, North Atlantic

Sex of host
Bezubik, B.; Stankiewicz, M.; and Sinski, E., 1974, Acta Parasitol. Polon., v. 22 (35-44), 441-446

helminths, sheep, coproscopical examinations, comparison with earlier post-mortem studies, age and sex: Olecko and Kumielsk, Poland

Sex of host
Bozdech, V.; and Moronfoye, I. S., 1974, Parasiitol., v. 15 (3), 141-150

Schistosoma haematobium, humans, incidence, age and sex, hematuria: Kaduna, northeast Nigeria

Sex of host
Buck, A. A.; et al., 1978, Tropenmed. u. Parasitol., v. 29 (1), 61-70

human poly-parasitism, epidemiological and ecological features, occurrence, frequency, and distribution of multiple infections in rural communities, age and sex patterns: Chad; Peru; Afghanistan; Zaire

Sex of host
Buck, A. A.; et al., 1978, Tropenmed. u. Parasitol., v. 29 (2), 137-144

human poly-parasitism, types of combinations, relative frequency, and associations of multiple infections, age and sex patterns: Chad; Peru; Zaire

Sex of host
Buck, A. A.; Anderson, R. I.; and MacRae, A. A., 1978, Tropenmed. u. Parasitol., v. 29 (3), 226-268

polyparasitism, humans, epidemiology, assessment of combined effects of multiple infections on an individual's state of health, comparative analysis of field data obtained from several tropical villages

Sex of host
Bywater, J. E.; and Kellett, B. S., 1978, Infect. and Immun., v. 21 (2), 360-364

Encephalitozoon cuniculi, existence in specific-pathogen-free rabbit colony, small-sized samples failed to reveal presence of infection with low prevalence, organism probably present in original stock of unit, possibility of establishing Encephalitozoon-free colony by culling all positive reactors using India ink immunoreaction test, incidence (familial, sexual, and age-related) and possible routes of transmission

Sex of host
Canese, A.; et al., 1975, Rev. Paraguaya Microbiol., v. 10 (1), 55-66

human intestinal parasites, statistics of extensive epidemiologic survey comparing age and sex of hosts, and socioeconomic levels in 4 geographic areas of Paraguay

Sex of host
Canese, P.; et al., 1978, Bull. World Health Organ., v. 56 (1), 147-154

Anopheles gambiae, aggressiveness in relation to age and sex of human subjects, implications for malaria epidemiology

Sex of host

Entamoeba histolytica, Toxoplasma gondii, humans, serological survey using indirect hemagglutination test, prevalence of antibody titers by host age, sex, and village (altitude): Malili area, South Sulawesi, Indonesia

Sex of host

relationship of mean parasitic burden and frequency of Octodon degus parasitized with 4 common helminths, host sex and age: Lo Curro, a 2.5 km al N.E. de Santiago

Sex of host

Demodex canis, dogs, incidence in relation to season, host age, sex, and breed, clinical manifestations, in vivo and in vitro activity of several acaricides: India

Sex of host
Cheever, A. W.; et al., 1978, Am J. Trop. Med. and Hyg., v. 27 (1, pt. 1), 55-75

Schistosoma mansoni, S. haematobium, humans, quantitative study of 400 consecutive autopsies, extrahepatic pathologic findings correlated with presence or absence of schistosome infection and with intensity of infection: Egypt

Sex of host

Toxoplasma gondii in Bos indicus, serological survey, age and sex prevalence: Chandigarh, north India

Sex of host

Trichomonas vaginalis, humans, prevalence in selected groups (females with leucorrhea and without gynecological disorders, men with non-specific urethritis and without symptoms of urethritis): Bangkok

Sex of host

Echinococcus granulosus, mice and Meriones unguiculatus, effect of egg dose, host age, and host sex on susceptibility to primary infection, increased resistance with increased age but no differences with sex

Sex of host

parasites of Lepomis gibbosus, prevalence and intensity in relation to host age and sex: Ryan Lake, Algonquin Park, Ontario
Sex of host
Conlogue, G.; et al., 1979, J. Parasitol., v. 65 (1), 105-116
Capillaria hepatica in Rattus norvegicus, infection rate, host age and sex, seasonal variation, possible public health implications: Hartford, Connecticut

Sex of host
Entotheonella histolytica, comparative epidemiological survey, rural vs. urban areas, highest prevalence directly related to lowest sanitary conditions, clinical manifestations, associated parasitism: Brazil

Sex of host
Currier, R. W.; et al., 1979, Proc. Iowa Acad. Sci., v. 86 (2), 41-43
Pediculus humanus capitis, outbreak in school children, epidemiology, control: Ames, Iowa

Sex of host
Czaplinski, B., 1975, Acta Parasitol. Polon., v. 23 (26-40), 305-327
Hymenolepididae of wild Cygnus olor, tensiveness and intensity of infestation, age and sex of host, seasonal variation, distribution within digestive tract: Poland

Sex of host
Schistosoma haematobium, water contact patterns of people according to age, sex, and type of activity, multiple regression analysis: Fatem, Lake Volta, Ghana

Sex of host
helminths of Somateria fischeri (intestinal tracts), survey by host age and sex, seasonal fluctuations in parasite numbers: Yukon-Kuskokwim Delta, Alaska

Sex of host
Larvae cypri nceae on Catostomus commersoni and Carpiodes cyprinus, incidence and intensity of infection, host sex, seasonal distribution, infection sites on hosts: Susquehanna River, Pennsylvania

Sex of host
Deverux, D.; and Ash, L. R., 1978, J. Parasitol., v. 64 (1), 115-118
Brugia pahangi in female Meriones unguiculatus, effects of host age at inoculation on prepatent periods, microfilaremias, and worm burdens, results demonstrate increased susceptibility with age

Sex of host
Dhar, D. N.; and Sharma, R. L., 1979, Indian J. Animal Sci., v. 49 (7), 585-588
lungworms, sheep and goats (feaces of both), sex and age prevalence: Tehsil Kargil, District Ladakh (Jammu and Kashmir)

Sex of host
Nematospiroidea dubius in different mouse strains, sex resistance, passive transfer experiments
SUBJECT HEADINGS

Sex of host
Toxocara canis, patients with diagnostic ELISA titres vs. patients with presumed visceral larva migrans but less or no detectable antibody, clinical findings (including leucocytosis, eosinophilia, increased anti-A or anti-B isohaemagglutinin titre), elevated serum IgG level, epidemiological characteristics (age, sex, northern vs. southern residence, history of pica)

Sex of host
Echinococcus granulosus, humans, slaughtered domestic animals, prevalence survey, cyst locations, host age and sex, urban vs. rural sector: County of Cauquenes, Chile

Sex of host
Endo-parasites of Lepus europaeus, seasonal dynamics, distribution according to locality, sex and age of host, economic importance of parasitism for regional hunting: Ostthuringen, DDR

Sex of host
Schistosoma haematobium, possible relationships between infection and severe anaemia, hemoglobin levels of adolescent boys particularly low in the presence of schistosomiasis: Kenya

Sex of host
Wuchereria bancrofti, dynamics of filariasis in village inhabitants, clinical, parasitological, immunological, and social aspects: village of Paraiso, Province of Catanduanes, Philippines

Sex of host
Hippobosca equina, ecological studies: host preference, seasonal abundance, adult habits, effect of host sex and colour on attraction of flies, mating behaviour, distribution on host body, sex ratio, breeding season: El-Aziziya village, El-Faiyum governate, Egypt

Sex of host
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Ornithonyssus sylviarum in roosters receiving varying doses of estradiol, slight increase in mite resistance, compared to mite resistance in untreated pullets, results indicate that estrogen alone may not be responsible for difference in mite susceptibility between male and female birds

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Sex of parasite
Do Duong Thai; and Nguyen Tuyet Mai, 1973, Rev. Med., Hanoi, 165-168
Ascaris lumbricoides, laboratory studies on drug resistance to anthelmintics (ascaridin used in experiments), finding that sex of worm, maturity of worm, and drug concentrations all influenced reactions to drugs

Sex of parasite
Ascaridia galli, amino acid analysis, differences with respect to stage of development and sex and in different organs and tissues

Sex of parasite
Ascaris suum, Ascaridia galli, amino acid content in reproductive organs of males and fertilized and non-fertilized females, potential application to differentiation of species

Sex of parasite
Elsey, K. D., 1977, Canad. Entom., v. 109 (9), 1283-1285
Howardula sp., rate of dissemination of juveniles by adult Epitrix hirtipennis at two temperatures, no significant difference between the total number of juveniles released from male vs. female beetles, sex ratio of released juveniles highly in favor of females: Oxford, North Carolina

Sex of parasite
Eveleigh, E. S.; and Threlfall, W., 1976, Canad. J. Zool., v. 54 (10), 1694-1711
Mallophaga on Alcidae, prevalence and intensity, seasonal and annual data, burdens of adult hosts vs. chicks, distribution on host, louse population structure: Newfoundland

Sex of parasite
Schistosoma mansoni, adults, separation of several a-naphthyl acetate esterase isoenzymes by thin layer polyacrylamide gel electrophoresis, enzyme patterns differ between sexes

Sex of parasite
Xenopsylla skrjabini, X. nuttalli, longevity of males and females at different temperatures and humidities under laboratory conditions
Amblyomma inornatum, collected from native wild hosts, adult ticks colonized in laboratory with guinea pigs as hosts, life cycle studies, measurements of larvae and nymphs, great difference between males and females: south Texas

Ascaris lumbricoides var. suum, ultrastructural analysis of sex determination, first spermatocyte meiotic division, origin of univalent chromosomes

Ixodes ricinus, copulation, nutrition, and oviposition, description of 3rd larval stage, sequence used for larvae and nymphs, rabbit and guinea pig for females, sex of nymphs determined successfully on basis of engorgement weight

Hippobosca longipennis, biology in Egypt, laboratory observations: adult emergence, feeding mechanism, frequency and amount of blood meal, tolerance to starvation, sexual maturity, mating behavior, sex ratio, intrauterine larval development, larviposition and description of 3rd larval stage, adult longevity and fecundity, description of pupa, pupal duration (effect of temperature, relative humidity, and host)

Hippobosca equina, field-collected and laboratory-reared on guinea pigs, biology, adult males vs. females (feeding, longevity of adult males vs. females, longevity of normal adults and fecundity in 2 seasons, effect of presence of males on fecundity of females, sexual maturation, sex ratio); larval stage (larviposition, description, and duration of 3rd larval stage: seasonal intrauterine larval development); pupal stage (duration, effect of temperature and humidity)

Hippobosca equina, ecological studies: host preference, seasonal abundance, adult habits, effect of host sex and colour on attraction of flies, mating behaviour, distribution on host body, sex ratio, breeding season: El Aziyia village, El-Faiyum governate, Egypt

Sex of parasite: Haque, A.; et al., 1978, Parasitology, v. 76 (1), 77-84
Dipetalonema viteae, hamsters, female adult worms suppress but male adults enhance microfilaraemia of infection initiated with infective larvae, male worms release factor(s) which enhance microfilaraemia, microfilariae production by implanted female worms is inhibited by developing infective larvae

Sex of parasite: Healy, J. A., 1979, Genetica, v. 50 (1), 19-30
Ixodes ricinus, polymorphism at α-glycerophosphate dehydrogenase locus detected by electrophoresis, allele and genotype frequency patterns in natural tick populations, physiological and behavioral correlates of alternate genotypes (susceptibility to desiccation, locomotory efficiency, sex and locality differences), results provide evidence that polymorphism serves adaptive function and suggest factors that may be involved in selective maintenance of variability in natural populations: Ireland

Meromithid in Aedes caballus, sex of parasite, host fecundity, possible biological control: near Bloemfontein, Orange Free State

Analogoeidea mites on turdoid birds, occurrence during host spring and autumn migrations, incidence, intensity, distribution on wings, population structure (sex ratio, developmental stages), host specificity, simultaneous infections: Poland

Fleas, survey of nests of Chromus leucopus, data for some species on seasonal occurrence, sex ratio, abundance in relation to host sex and nesting activity: southwestern Wisconsin

Octomacrum spinum and Unicauda sp. in Campo-stoma anomalum (gills), prevalence and parasite load, sex of parasite, seasonal occurrence: Fourpole Creek, Cabell Co., West Virginia

Sex of parasite: Kenmoku, M.; et al., 1976, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 25 (5), 356-359
Schistosoma japonicum in Oncobalania nosophora, significant difference in rate of single-sex vs. bisexual infections: district of Usui-numa, Yamanashi prefecture

Sex of parasite: Knos, G. B.; and Short, R. B., 1979, J. Parasitol., v. 65 (3), 350-356
Schistosomatium douthitti, cercariae, argentophilic papillae (numbers, types, distribution patterns), degree of variation, sex-related differences, possible use in identification and systematics

Schistosoma mansoni, survival time of male vs. female adult worms in 0.85% NaCl or phosphate buffered saline

Sex of parasite: Kolonin, G. V., 1978, Ekologija, Sverdlovsk (3), 104-105
Ixodid ticks, sex ratios of natural pasture populations, seasonal changes: Primorskii krai
Sex of parasite

fleas, cats and dogs, patterns of infestation, seasonal prevalence, parasite sex ratio, probable causes of increased incidence, public health importance: Denmark

Sex of parasite

Skrjabiniglyus nasicola in Mustela nivalis (nasal sinuses), correlation of intensity of infestation with severity of skull damage and with host age and sex, host factors influencing worm size and sex ratios, crowding effect in heavy infestations: Berkshire, Northumberland, and Sussex

Sex of parasite

Luetzen, J., 1979, Ophelia, v. 18 (1), 1-51
Enteroctenos oestergreni in Stichopus tremulus and E. parasticophili in Parasticophili californicus, detailed life history, frequency, infection sites, reproduction, metamorphosis of male larvae completed by implantation in female's central cavity, biology and anatomy of male E. oestergreni; biology compared with other species of Entoconchidae; effect of E. oestergreni on host

Sex of parasite

Moncol, D. J.; and Triantaphyllou, A. C., 1978, J. Parasitol., v. 64 (2), 220-225
Strongyloides ransomi, factors influencing sex expression and developmental pattern of progeny of parasitic females: appearance of males attributed to effect of host immunity, physiological ageing of parasitic females, or both, sex determined prior to hatching; cultural conditions (pH, culture substrate) influenced direction of development of female rhabditoid larvae

Sex of parasite

Monteoliva, M., 1976, Rev. Iber. Parasitol., v. 36 (3-4), 189-201
Ascaris lumbricoides, volatile fatty acid content of tissues, significant differences between males and females, statistical study

Sex of parasite

Mutafova, T., 1976, Khelmintologiia, Sofia, v. 2, 68-74
Ascaris suum, morphology and behavior of sex chromosomes during meiosis

Sex of parasite

Raillietia auris, cattle (ears), incidence, intensity, numbers of different stages and of males vs. females: Sao Paulo State, Brazil

Sex of parasite

Octomyomermis muspratti, effects of male/female ratios on mating and egg production, application of these findings may help obtain maximum laboratory production of this potential biocontrol agent of mosquitoes

Sex of parasite

Gastromermis sp. in anopheline larvae, parasite sex ratio, life cycle, value as possible biological control agent: southwestern Louisiana

Sex of parasite

Premvati, G.; and Chopra, A. K., 1979, Parasitology, v. 78 (3), 355-359
Haemonchus contortus, Oesophagostomum columbianum, Trichurus ovis, in vitro glycojen content under aerobic conditions, differences between females and males and among species, rate of change with time

Sex of parasite

Dipetalonema vitiae in Cricetes auratus, effect of host sex on microfilarial count and on numbers of male and female worms

Sex of parasite

Leptotrombidium fletcheri, L. arenicola, sex ratios in Rickettsia tsutsugamushi-infected and noninfected colonies, oviposition and hatching rates, no infected males were produced in either infected colony, nearly all female progeny were infected

Sex of parasite

Runey, W. M.; Runey, G. L.; and Lauter, F. H., [1979], J. Parasitol., v. 64 (6), 1978, 1008-1014
Rhabdias ranae, determination of somatic, diploid, and haploid chromosome numbers; spermatogenesis, oogenesis, and fertilization; method of sex determination and chromosome elimination

Sex of parasite

Argulus foliaceus, localization on integument of Xiphophorus helleri and occurrence of free-swimming parasites in relation to water temperature and to parasite age and sex

Sex of parasite

Schulz-Key, H.; and Albiez, E. J., 1977, Tropenmed. u. Parasitol., v. 28 (4), 431-438
Onchocerca volvulus, human, numbers of nodules excised, worm burden, parasite sex ratio: Liberian rain forest village, West Africa

Sex of parasite

Sharma, R. L.; and Dhar, D. N., 1979, Indian J. Animal Sci., v. 49 (3), 203-208
Oesophagostomum columbianum, lambs (exper.), impact of varying levels of primary infections on length of pre-patent period, worm establishment, adult length and sex ratio, fecundity, and clinical disease

Sex of parasite

Hyalomma anatolicum excavatum, synthesis and content of prostaglandins in salivary glands, reproductive organs, and egg-hatches, higher in females than males
Sex of parasite
Echidnophaga myrmecobi, E. perillosis, and E. gallinaeae on Oryctolagus cuniculus, seasonal occurrence, ratio of male/female fleas, age and sex of host: Mallee region, north-west of Victoria, Australia

Sex of parasite
Shepherd, R. C. H.; and Edmonds, J. W., 1979, Austral. J. Zool., v. 27 (2), 261-271
Echidnophaga myrmecobi and E. perillosis on Oryctolagus cuniculus, distribution on host, seasonal patterns of increase and decrease, sex of parasite, age and sex of host: Pine Plains, Mallee region of Victoria

Sex of parasite
Siddiqi, M. N.; and Meervitch, E., 1977, Pakistan J. Zool., v. 9 (1), 51-57
Trichinella spiralis, 3 newly isolated strains compared with classical strain during intestinal infection in rats (moulting pattern, % recovery of adult worms, their size and sex ratio), significantly smaller size of worms in 3 new strains, inhibition of development expressed by host resistance as one of several possible causes

Sex of parasite
Rictularia jodhpurensis in male and female Rattus rattus of 3 different age categories, incidence, intensity, seasonal variation, parasite sex ratio, worm length in relation to host weight and worm burden: Jodhpur, India

Sex of parasite
Sosnina, E. F.; and Davydox, G. S., 1975, Parazitologiya, Leningrad, v. 9 (2), 183-189
Neohaematopinus palaearcticus infestation of Marmota caudata in relation to geographic regions and vertical zones, season, host activity period (hibernation, reproduction, etc.), host age and sex, age and sex structure of louse populations: Tadzhikistan

Sex of parasite
Torres, P.; and Barriga, O. O., 1975, Acta Parazitol., Polon., v. 23 (26-40), 441-451
Ascaris suum, A. lumbricoides, Toxocara mystax, A. galli, adult specimens, common and species-specific antigens, antigenic composition of different sexes within each species

Sex of parasite
Angiostrongylus cantonensis, rats, immunization with excretory/secretory antigens of male vs. female worms, effect on subsequent infection by infective 3rd stage larvae

Sex of parasite
Ixodes persulcatus, Haemaphysalis concinna, Dermacentor silvarum, analysis of regions of high population density near northern and high altitude limits, seasonal variations in abundance and sex ratios: Amur oblast

Sex of parasite
Paradoxopsylus scorodomovi parasitizing Ochotona pricei in plague focus, ecology: seasonal distribution, abundance on animals, in nests, and in burrow entrances, age and sex composition of populations, high alimentary activity: Gorno-Altaik

Sex of parasite
Voge, M.; Price, Z.; and Bruckner, D. A., 1978, J. Parasitol., v. 64 (5), 944-947
Schistosoma mekongi, changes in tegumental surface of male and female worms during development in mice

Sex of parasite
Volianskii, Iu., E., 1974, Parazitologiya, Leningrad, v. 8 (1), 12-14
gamasi mites in nests of Microtus arvalis, seasonal changes in abundance, females were dominant in collections: vicinity of Odessa, south-eastern Ukraine

Sex of parasite
Ostertagia circumcincta in tracer lambs (susceptible) vs. continuously grazed lambs (potentially resistant) over course of seasonal exposure to natural infection, worm burdens, % larval inhibition, parasite sex ratio, vulval flap pattern, worm size, results indicate importance of host-induced effects on morphological development

Sex of parasite
fleas of small mammals, prevalence, intensity, monthly fluctuations, sex ratios, potential public health importance as vectors of human plague: Rangoon, Burma

Sex of parasite
Wysoki, M.; and Bolland, H. R., 1978, Genetica, v. 48 (3), 233-238
Rhipicephalus ssp., spermatogenesis, chromosomes, sex determination: East Africa

Sex of parasite
Wysoki, M.; and Bolland, H. R., 1979, Genetica, v. 50 (1), 73-77
Amblyomma variegatum, A. lepidum, course and timing of spermatogenesis, sex determination, and chromosome numbers

Sierra Leone
wild animal host-parasite list

Silage
Farquhar, A. S.; Anthony, W. B.; and Ernst, J. V., 1975, J Animal Sc., v. 49 (5), 1331-1336
Eimeria bovis oocysts in manure-blended diet, adequate ensiling prevents sporulation
Silage
Fasciola hepatica metacercariae, longevity and infectivity in hay, effect of different methods of hay drying used in Poland, concluded that hay may contain infective metacercariae in spite of adequate drying methods, only proper ensilage of green roughage makes it safe from infective forms of liver fluke.

Simultaneous infections. See Mixed infections.

Singapore
Helminthic infections, intestinal protozoa, prevalence and intensity among ethnic groups: Singapore (Ascaris lumbricoides; Trichuris trichiura; hookworm; Strongyloides stercoralis; Enterobius vermicularis; Clonorchis sinensis; Hymenolepis nana; Giardia lamblia; Entamoeba histolytica; E. coli)

Site selection. See Localization.

Skeleton. See Bones; Musculoskeletal system.

Skin. [See also Dermatitis]

Skin
Abdus Sattar, A. B. M., 1979, J. Trop. Med. and Hyg., v. 82 (9-10), 201-202
Entamoeba histolytica, 35 year-old male, case report, cutaneous amoebic ulcer on right leg: Bangladesh

Skin
Human cutaneous and mucocutaneous amoebiasis, differential diagnosis, pathology, therapy, case reports: Mexico

Skin
Beaver, P. C.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (6), 1133-1136
Entamoeba histolytica, 4-month-old girl, infection of skin of eyelid with extension into orbit, case report: Colombia

Skin
Trypanosoma cruzi, human congenital infections, histopathology of skin infections

Skin
Schistosoma mansoni, humans, extragenital cutaneous lesions caused by eggs, 2 case reports

Skin
Onchocerciasis, humans with low intensity of infections, skin pathology including depigmentation: Belgian Congo

Skin
Deore, P. A.; Sabnis, M. G.; and Bendre, V. H., 1979, Indian Vet. J., v. 56 (9), 794-795
Theileria annulata, bovine, atypical cutaneous case

Skin
Onchocerca volvulus, skin distribution of microfilariae in Sudanese cattle, prevalence according to host age: Khartoum, Sudan

Skin
Leishmaniasis, clinical and histological features of South West African form

Skin
Gullet, J.; et al., 1979, Am. J. Med., v. 67 (5), 891-896
Acanthamoeba astronyxis, Mexican woman, fatal case of disseminated granulomatous infection with skin lesion and focal encephalitis: San Francisco

Skin
Nelson, W. A.; Bell, J. F.; and Stewart, S. J., 1979, Exper. Parasitol., v. 48 (2), 259-264
Polyplax serrata, histopathology of skin in mice that do (CFW strain) and do not (C57BL strain) develop resistance

Skin
Late cutaneous bilharziasis, human, definition, macroscopic and microscopic aspects, diagnosis, pathology, frequent localization in genital and perigenital areas: Mozambique

Skin
Cutaneous leishmaniasis, 54-year-old woman, microscopical findings, ultrastructure of lesion presented to facilitate diagnosis in South West Africa

Skin
Uilenberg, G.; and Zwart, D., 1979, Research Vet. Sc., v. 26 (2), 243-245
Theileria parva, calves (exper.) with advanced East Coast fever, occurrence of skin nodules with schizonts and/or skin nodules with Demodex bovis

Skin
Onchocerca volvulus, human, coast erysipelas (Guatemala) or 'purple illness' (Mexico) refers to cutaneous pathology of Arthus type reaction, treatment

Skin tests. See Immunity, Skin tests.

Slide preparation. See Technique, Specimen preparation and preservation.

Sludge. See Sewage.

Snail control. [See also Molluscs in Treatment Catalogue; Vectors, Mollusca]

Snail control
Schistosomiasis vector snail control, recommendations for use on small scale or by poor developing countries
Snail control
Amin, M. A., 1972, Sudan Med. J., v. 10 (2), 75-82
Biomphalaria and Bulinus vector snails, evaluation of drip-feed application of copper sulphate as molluscicide and use of mechanical barriers for mollusk control: Gezira, Sudan

Snail control
Ayad, N., 1976, Egypt. J. Bilharz., v. 3 (2), 129-155
Vector control programs (molluscicides, biological and physical control) being carried out in Egypt in an attempt to achieve permanent results in control of human schistosomiasis

Snail control
Slow-release copper molluscicide tested against Biomphalaria glabrata, laboratory and field trials: St. Lucia

Snail control
Schistosoma haematobium, snail control trials by modification of habitat and application of niclosamide: Volta Lake village, Ghana

Snail control
Fascioliasis, cattle, high incidence of abortions reduced substantially and permanently following bilevon R treatment and snail control programme using copper sulphate: Venezuela

Snail control
Fascioliasis, cattle, bilevon-R treatment combined with prophylactic decontamination of pastures with frescon evaluated during 3-year control scheme

Snail control
Bacterial flora of field and laboratory populations of schistosome vector Biomphalaria glabrata, relevance for biocontrol: Puerto Rico; St. Lucia; Guadeloupe

Snail control
El Kheir, Y. M.; and El Tohami, M. S., 1979, J. Trop. Med. and Hyg., v. 82 (11-12), 237-241
Molluscicidal activity of certain Sudanese plants evaluated, preliminary screening of 78 plants used in folk-medicine

Snail control
El Kheir, Y. M.; and El Tohami, M. S., 1979, J. Trop. Med. and Hyg., v. 82 (11-12), 242-247
Molluscicidal activity of certain Sudanese plants evaluated, screening of Gnidia kraussiana Meisn leaf, stem and root

Snail control
Frandsen, F.; and Madsen, H., 1979, Acta Trop., v. 36 (1), 67-84
Schistosomiasis, possible use of Helisoma duryi in biological control as competitor of intermediate host snails, review

Snail control
Indoplanorbis exustus (vector of animal schistosomiasis), susceptibility of eggs to certain molluscicides, suggested that snail control might be accomplished more economically and with less damage to ecosystem if low concentrations of molluscicides were directed primarily against eggs rather than high concentrations against adult snails

Snail control
Schistosomiasis vectors, Biomphalaria glabrata, predatory capability of American crayfish, Cambarus affinis

Snail control
Schistosomiasis vectors, Biomphalaria glabrata, predation by American crayfish, Cambarus affinis, exerted principally during period from April to October

Snail control
Schistosomiasis, humans, evaluation of current control measures, recommendations for future strategies, report of workshop held in Bellagio, Italy

Snail control
Fasciola hepatica, decline of fluke and Lymnaea truncatula populations on reclaimed western blanket peat, possible relationship to predation by Hydromya dorsalis: Co. Mayo, Ireland

Snail control
Schistosomiasis control, 6 pilot projects, review with emphasis on cost of mollusciciding programs

Snail control
Schistosoma mansoni, evaluation of Marisa cornuarietis for biological control of schistosome transmission in flowing water habitats with population of infected Biomphalaria glabrata, costs: Puerto Rico

Snail control
Jordan, P.; et al., 1978, Bull. World Health Organ., v. 56 (1), 139-146
Schistosoma mansoni, evaluation of experimental mollusciciding program to control transmission: St. Lucia

Snail control
S[chistosoma] mansoni, recommendations for construction of simple water supplies to reduce transmission of parasitic infections
Snail control
Madsen, H., 1979, Hydrobiologia, v. 66 (2), 181-192
Schistosoma mansoni, interspecific competition between Helisoma duryi and intermediate hosts Biomphalaria alexandrina or B. camerunensis

Snail control
Lymnaea spp., molluscicidal assay of 200 Puerto Rican terrestrial plants, possible use in biological control of snail vectors of fascioliasis hepatica

Snail control
Biomphalaria glabrata, Helisoma duryi, competition under laboratory conditions

Snail control
Milward-de-Andrade, R.; and Carvalho, O. dos S., 1979, Rev. Saude Pub., S. Paulo, v. 13 (2), 92-107
Schistosoma mansoni, exper. biological control of Biomphalaria vectors in endemic area by introducing Pomacea hastrum predators into brooks and ditches: Baldim, MG (Brasil)

Snail control
possible use of the mollusk Pomacea hastrum for biological control of snail vectors of human schistosomiasis, field and laboratory studies show Pomacea to be a predator and competitor of the vector snails: Brazil

Snail control
schistosomiasis, control of snail vectors by tropical fish

Snail control
Nassi, H., 1978, Acta Trop., v. 35 (1), 41-56
Ribeiroia marini guadeloupensis n. ssp., life cycle, sterilization of Biomphalaria glabrata (vector of schistosomiasis), method for producing large quantities of trematode eggs with view to eventual control of snail populations: Guadeloupe

Snail control
Nassi, H.; Pointier, J. P.; and Golvan, Y. J., 1979, Ann. Parasitol., v. 54 (2), 185-192
Biomphalaria glabrata, biological control using Ribeiroia marini guadeloupensis (an autochthonous trematode which sterilizes this snail vector of Schistosoma mansoni), field trials: Guadeloupe

Snail control
schistosomiasis, update on control program initiated in 1953 in Puerto Rico

Snail control
molluscicidal activity of 2,5-bis(1-aziridinyl)-p-benzoquinone on Biomphalaria snails, very effective in field trials

Snail control
schistosomiasis snail vectors, molluscicidal activity of aflatoxin B-1 in Aspergillus parasiticus extract

Snail control
long-term results of biological control of Lymnaea truncatula by predation of Zonitidae snails, population dynamics of several species of snails in two types of habitats

Snail control
advantages of an association of predatory snails (Physa acuta with Zonitidae) in biological control of Lymnaea truncatula

Snail control
Fasciola hepatica, Lymnaea glabra, L. truncatula, and L. palustris found in malacological survey of water-cress pools responsible for human cases of fascioliasis, exper. infections show that L. glabra as well as L. truncatula can serve as vector, biological control by introduction of predatory snail Zonitoides nitidus: Limousin

Snail control
use of predatory Zonitidae molluscs to control vector Lymnaea truncatula: Haute-Vienne, France

Snail control
Rondelaud, D.; and Barthe, D., [1979], J. Parasitol., v. 64 (6), 1130-1131
Fasciola hepatica, presence of erratic cercariae in lumina of digestive gland of Zonitoides snails preying on infested Lymnaea truncatula, lack of infestation in Zonitoides after ingesting prey makes it suitable for biological control

Snail control
Saliternik, Z., 1979, Trop. and Geogr. Med., v. 31 (2), 175-184
Schistosoma mansoni, S. haematobium, human control and eradication, historical review: Israel

Snail control
bilharzia control, for rapid reduction of prevalence of parasites, molluscicides are best combined with improved hygiene and sanitation, and suppressive chemotherapy: Africa

Snail control
Schistosoma haematobium, seasonal patterns in transmission, epidemiology in school children, control by winter application of molluscicides: Rhodesia
Snail control
Shoeb, H. A.; and El-Emam, M. A., 1976, Egypt. J. Bilharz., v. 3 (2), 157-167
screening of active chemical constituents of Ambrosia maritima for possible molluscicidal activity against snail vectors of human schistosomiasis

Snail control
Sullivan, J. T.; and Palmieri, J. R., 1979, J. Parasitol., v. 65 (1), 50-54
Echinostoma audyi: effect of duration and intensity of infection on survival of Lymnaea rubiginosa exposed to copper sulfate

Snail control
Thomas, J. D.; and Assefa, B., 1979, Comp. Biochem. and Physiol., v. 63C (1), 99-108
Biomphalaria glabrata juveniles, behavioral responses to amino acids, possible practical application in control of snail hosts of schistosomiasis

Snail control
Schistosoma mansoni, identification of chemicals that attract or trap its snail vector, Biomphalaria glabrata, results indicate that it should be possible to formulate slow- or no-release molluscicides coupled with controlled-release attractants, may attract and kill larval schistosomes as well as snail vectors

Snail control
Fasciola gigantica, survival of Lymnaea natalensis in drought conditions, beginning of rainy season optimal time for molluscidic application: Senegal

Snail control
molluscicidal efficacy of lastanox, powdered colophony, macerates of spruce and fir needles, and 2'-chloro-4-fluro-4'-nitrosalicylanilide, toxic effects on aquarium fish

Snail control
Stagnicola palustris, Lymnaea tomentosa, laboratory rearing of Dictya umbrarum for control of intermediate host snails

Sociology. [See also Epidemiology]
Sociology
Hymenolepis diminuta in Palembus dermestoides (exper.); beetle-eating as a Malaysia folk medical practice and its public health implications: Kuala Lumpur

Sociology
Currier, R. W.; et al., 1979, Proc. Iowa Acad. Sci., v. 86 (2), 41-43
Pediculus humanus capitis, outbreak in school children, epidemiology, control: Ames, Iowa

Sociology
Schistosoma haematobium, parasitological and malacological survey, Afar tribe infection highest among seminomadic Afars living around swamp and lake areas, female members most affected because of water contact patterns: flood plains of Awash River, Ethiopia

Sociology
human hookworm, extensive epidemiologic survey and control campaign conducted 1956-1972: rural Surinam

Sociology
prevalence survey of taeniasis in humans and cysticercosis in pigs, socio-ecological data indicated infections in humans to be more common in those who ate raw meat dishes rather than those who were mostly fish eaters, poor sanitary conditions and easy access of pigs to human feces perpetuated infections in both pigs and humans: Bali Island, Indonesia

Sociology
Tarsitani, G.; et al., 1979, Nuovi Ann. Ig. e Microbiol., v. 30 (2), 197-206
parasites of children, prevalence factors (age, sex, socio-economic class, crowding): Rome, Italy

Sociology
Tomaszunas, S., 1974, Przegl. Epidemiol., v. 28 (2), 139-148
human malarias, nomadic migration, local customs, low levels of education and lack of sufficient health services contribute to spread of infections and difficulties in establishing control measures in Afghanistan

Sociology
schistosomiasis, children, health handicap in underprivileged peoples, comparative study of those with and without infection in both black and white races in Southern Africa

Sociology
Ward, W. B.; et al., 1979, Trop. and Geog. Med., v. 31 (1), 155-164
guinea worm, survey of villagers from 5 communities during epidemics to determine disease-associated attitudes, beliefs, and practices, differences between 2 ethnic groups, implications for health education: Southern Ghana

Soil. [See also Disease transmission, Soil]
Soil
Fasciola hepatica and Clostridium novyi (oedemations) type B causing infectious necrotic hepatitis, sheep, epidemiological survey: southern Scotland
Sonic vibrations. See Sound.

Sonication. See Sound.

Sound
Babesia rodhaini, centrifugation times and speeds to obtain maximum yield of free parasites following passage of infected blood through sonic oscillation field, infectivity of free parasites in comparison to that of infected red blood cells

Sound
Echinococcus granulosus, humans, diagnosis by gray scale ultrasonography

Sound
Boulbee, J. E.; and Lloyd, D. A., 1979, Brit. J. Radiol. (623), v. 52, 899-901
amoebic liver abscess rupturing into subphrenic space, child, diagnosis using radiography followed by ultrasound

Sound
Entamoeba histolytica, man, hepatic abscess, serial ultrasonography used to monitor resolution of abscess after therapy with amoebicides

Sound
Strongyulus vulgaris, horse, mesenteric aneurysm detected by ultrasound

Sound
human hepatic amoebic abscess, ultrasonographic studies on 50 patients, usefulness of this diagnostic method

Sound
Schistosoma mansoni, activity of pairs of adults as modified by various oxamniquine concentrations monitored in continuous flow culture system by means of ultrasound

Sound
Schistosoma mansoni, ultrasound compares favorably with other activity monitoring methods used to assess drug effects on worms; response to 5-hydroxytryptamine as indicator of neuromuscular status

Sound
Echinococcus cysticus, E. alveolaris, humans, diagnosis in liver by ultrasound

Sound
Peyron, J. P.; Marbot, J. M.; and Pascal-Suisse, P., 1979, Med. Trop., v. 39 (6), 665-673
amoebic liver abscesses, humans, echography in diagnosis, treatment and surveillance, especially useful in tropical areas

Sound
Pochacevsky, R.; and Sugar, A., 1979, Am. J. Roentgenol., v. 132 (1), 126-129
Taenia solium cysticerci, 14-year-old girl (eye), case report, diagnosis by contact B-scan ultrasonography

Sound
human hepatic amoebic abscess, diagnosis, ultrasound

Sound
Sokhrokov, Kh. Kh., 1979, Veterinariia, Moskva (1), 56-57
Ascaris suum eggs, destruction by ultrasonic vibration
Sound
Tiberio, G.; et al., 1976, Surg. Italy, v. 6 (3), 168-185
hydatid cyst of liver, humans, diagnosis using ecohygraphy

South Africa
intestinal parasites, survey, Xhosa schoolchildren living in rural vs. urban environ-
ments: Cape Town, South Africa (Trichuris trichiura; Hymenolepis nana; Ascaris lumbricoides; Taenia; hookworm)

South Africa
Schistosoma haematobium and other intestinal parasites of black children in an endemic schistosomiasis area, incidence survey by age and sex: Natal, South Africa (S. haematobium; S. mansoni; S. mattheei; Entamoeba coli; E. histolytica; E. nana; E. hartmanni; Iodamoeba butschlii; Isospora hominis; Giardia lamblia; hookworm; Trichuris trichiura; Ascaris lumbricoides; Strongyloides spp.; Enterobius vermicularis; Hymenolepis nana; Taenia spp.)

South West Africa
survey, human intestinal parasites of pa-
tients admitted to mission hospital in
Owamboland, South West Africa
(Necator americanus, Strongyloides stercoralis, S. fuelleborni, Hymenolepis nana, Taenia saginata, Trichuris trichiura, Enterobius vermicularis, Fasciola gigantica, Schistosoma mansoni, S. haematobium, Entamoeba histolytica, Giardia lamblia, hookworm, Trichuris trichiura, Ascaris lumbricoides; Strongyloides spp.; Enterobius vermicularis; Hymenolepis nana; Taenia spp.)

Spain
gastrointestinal nematodes of sheep, in-
cidence, distribution: Spain
(Haemonchus contortus; Ostertagia circumcincta; O. trifurcata; Marshallagia marshali; O. (Grossipulagia) occidentalis; Trichostrongylus axei; T. vitrinus; T. columbiformis; T. capricola; Nematodirus filicollis; N. abnormalis; N. pathiger; Bunostomum trigonoccephalum; Chabertia ovina; Trichuris ovis; Oesophagostomum (H.) venulosum; Skrja-
binema ovis)

Spain
Baird, C. R., 1979, J. Parasitol., v. 65 (4), 639-644
Cuterebra tenebrosa, incidence in Neotoma cinerea from April to November of 1970 and 1971, experimental infections attempted in captive rodents and rabbits, dosage level and effect on hosts, larval migration, site of larval development, acquired immunity, egg viability
Specificity, Host
Siphonaptera, altitudinal distributions of fleas and hosts do not coincide, this lack explained by climatic factors influencing habitats of flea larvae and different levels of host specificity of adult fleas, four different strata or floors of faunistic composition identified. Popocatépetl Volcano and Trans-Volcanic Belt

Specificity, Host
Plasmodium coturnix in Coturnix coturnix and C. coromendelica, host specificity, susceptibility factors, analysis of serum of susceptible and non-susceptible birds

Specificity, Host
Belova, E. W., 1971, Parazitologiya, Leningrad, v. 5 (4), 316-319
leptomonad cultures obtained from reptiles did not produce infection when injected into warm-blooded laboratory animals

Specificity, Host
Bona, F. V., 1974, Parassitologia, v. 16 (1), 63-78
Dilepididae, specificity for Ciconiiformes

Specificity, Host
Cryptobia catostomi n. sp., morphological variation, host specificity

Specificity, Host
Burreson, E. M.; and Allen, D. M., [1979], J. Parasitolog., v. 64 (6), 1978, 1082-1091
Mysidobdella borealis comb. n., revised diagnosis, external and internal anatomy, geographical and seasonal occurrence along northeastern coast of United States and Canada, aspects of its biology in association with mysid hosts (attachment to hosts, host preference, reproductive behavior)

Specificity, Host
Schistosoma haematobium, mixing of 'rohlfsi' and 'globosus' strains among human and intermediate hosts: Anyaboni, Ghana

Specificity, Host
parasite fauna of British freshwater fish, relationship between parasite, host, and environment, lake and flowing water species of parasites compared

Specificity, Host
nematodes of reptiles, analysis of host range and zoogeographic distribution: Cuba

Specificity, Host
Dunbar, J. R.; and Moore, J. D., 1979, J. Tennessee Acad. Sci., v. 54 (3), 106-109
helmints of plethodontid salamanders, host specificity correlated with host habitat: Horse Cove area, Washington County, Tennessee

Specificity, Host
Ixodes angustus, I. pacificus, and I. s.orcis from coastal and valley forest habitats, abundance, seasonal occurrence, host specificity, site of attachment on hosts, environmental influences on tick populations: western Oregon

Specificity, Host
Hymenolepis sulcata from Glis glis, redes-cription, comparison with H. myoxi, host specificity of both: nord du Jura (Ajoie)

Specificity, Host
Argas persicus, Ornithodoros tholozani, Ornithodoros moubata, effects of several laboratory animals on tick feeding behaviour and reproduction

Specificity, Host
Grant, D.; and Woo, P. T. K., 1978, Canad. J. Zool., v. 56 (6), 1360-1366
Giardia spp. in small mammals, comparative studies, results suggest host specificity of some spp., infectivity of stored cysts varies with temperature, lack of prophylactic effect in rats treated with metronidazole or quinacrine hydrochloride

Specificity, Host
fleas of small mammals, abundance, seasonal occurrence, and host preference: Chaves County, New Mexico

Specificity, Host
Halvorsen, O., 1969, Norwegian J. Zool., v. 17 (1), 93-103
Diplozoan paradoxum on roach, bream, hybrids of roach and bream, and white bream, morpho- logical adaptability, host specificity: river Glomma, Norway

Specificity, Host
Holmes, J. C., 1979, Host-Parasite Interfaces, 27-46
biohelminth parasite populations and host community structure, theoretical review
Specificity, Host
Issi, I. V., 1971, Parazitologiia, Leningrad, v. 5 (4), 297-301
Plistophora schubergi, subspecies are morphologically identical but characterized by a certain degree of host specificity and possibly by divergence of biochemical and physiological characters, implications for possible methods of speculation among the Microsporida

Specificity, Host
Alagoseoida mites on turdus birds, occurrence during host spring and autumn migrations, incidence, intensity, distribution on wings, population structure (sex ratios, developmental stages), host specificity, simultaneous infections: Poland

Specificity, Host
Jackson, J. A. and Nikol, B. B., 1979, J. Parasitol., v. 65 (1), 167-169
Mediobrychus centurorum, host specificity for Melanerpes carolinus is thought to result from differences in nesting sites, nest sanitation, foraging behavior, and food items among woodpeckers: Louisiana

Specificity, Host
Jilek, R., 1978, J. Parasitol., v. 64 (5), 951-952
Gracilisentis gracilisentis and Tanarohamphus longirostris in Dorosoma cepedianum (pyloric caeca and duodenum), definite seasonal periodicity, highly host specific, prevalence and intensity in male and female hosts of different age/size classes: Crab Orchard Lake, Williamson County, Illinois

Specificity, Host
Jogis, V. A., 1970, Eschscholtzia, limited to oligochaetes of order Lumbriciformes

Specificity, Host
Eubothrium spp., fishes, specificity, distribution, and habitat, life cycle, use as biological tags, review

Specificity, Host
Flies of Mustela nivalis, seasonal distribution, host specificity, origin of flies on host: Wytham Woods, near Oxford

Specificity, Host
Ashworthius sidemi, specificity, lambs (exper.), infected with parasites from Sika nippom, normal host

Specificity, Host
Krylov, M. V.; and Krylova, N. P., 1972, Parazitologiia, Leningrad, v. 6 (6), 493-505
Piroplasmida, analysis of host specificity

Specificity, Host
Krylov, M. V.; and Krylova, N. P., 1972, Parazitologiia, Leningrad, v. 6 (6), 493-505
Piroplasmida, analysis of host specificity

Specificity, Host
Triaenophorus, monographic review of morphology, life cycle, development, geographic distribution, interrelation with host and pathogenic role, host specificity, evolution, species formation; key to species, host list, synonymy, includes: T. nodulosus (Pallas, 1781); T. amurensis Kuperman, 1968; T. stizostedionis Müller, 1945; T. crassus Forel, 1868; T. meridionalis Kuperman, 1968; T. orientalis Kuperman, 1968

Specificity, Host
Marsuplobdella africana, morphology, life history, localization, host specificity (Xenopus toads)

Specificity, Host
Letch, C. A., 1979, Parasitology, v. 79 (1), 107-117
Trypanosoma cobitis should be regarded as single species of trypanosomes from 6 spp. of British fish on basis of morphology, iso-enzyme patterns, and cross-transmission (by syringe passage of culture forms and by leech vector Hemiclipsis marginata), specific names T. phoxini, T. elegans, T. harribatulae, T. occidentalis, and T. langeroni "should be disregarded"

Specificity, Host
Coptopsyllidae, Pygiopsyllidae, Stephanocircidae, Xiphopsyllidae, world-wide distribution by zoogeographic regions, host preferences; list of genera and species

Specificity, Host
Epistylis [sp.], fishes, host specificity, intensity of infestation, attachment site, factors affecting prevalence (host length, water quality, season): North Carolina

Specificity, Host
Cuterebra sp., differential parasitism of sympatric Peromyscus maniculatus and P. truei may be due to host specificity, differential parasitism of P. maniculatus may be due to habitat selection: Nevada
Specificity, Host

Specificity, Host
Long, P. L.; and Millard, B. J., 1979, Parasitology, v. 78 (2), 239-247

Specificity, Host

taxa of Saemundssonia occuring on Scolopaci- nae and Erollinae classified in 4 polytypic species; host-parasite relationships, distribution patterns, geographical and ecological factors

Specificity, Host

Specificity, Host

Posthodiplostomum minimum, development in variety of vertebrate hosts

Specificity, Host
Palmieri, J. R., 1977, Great Basin Nat., v. 37 (2), 129-137

Posthodiplostomum minimum, centrarchid strain in various ecologically abnormal experimental hosts, host-induced variations of body measurements and tagment

Specificity, Host

Posthodiplostomum minimum, host induced morphological variations (testes number, size, and shape; ovary measurements and position; vitelline gland distribution; egg size); due to lack of host specificity as well as overlap of egg and body sizes of species of Posthodiplostomum, it is apparent that several reported species are not valid
Spleen. See Gametes.

Spermatogenesis. See Gametogenesis.

Spinal cord. See Nervous system.

Spleen
Echinococcus granulosus, mice, pathological changes in thymus-dependent areas of spleen and lymph nodes

Spleen
Plasmodium spp., association with tropical splenomegaly syndrome in Indians from Alto Xingu region, Central Brazil

Spleen
Callow, L. L.; Mellors, L. T.; and McGregor, W., 1979, Internat. J. Parasitol., v. 9 (4), 333-338
Babesia bovis, reduction in virulence due to rapid passage in splenectomized cattle, change reversed by passing in intact hosts

Spleen
Coelho, L. C. B. B.; and Gillett, M. P. T., 1979, Biochem. Soc. Tr., v. 7 (5), 988-990
[Schistosoma] mansoni, human, hepatosplenic, effect of splenectomy on plasma phosphatidylcholine-cholesterol acyltransferase activity and on blood lipids

Spleen
Freeman, R. R.; and Parish, C. R., 1978, Immunology, v. 35 (3), 479-484
Plasmodium, spleen cell changes during fatal P. berghei vs. those during self-limiting P. yoelii infections in mice, protective immunity is associated with marked and sustained increases in numbers of IgG and Thy-1+ spleen cells and in fatal infections these proliferative responses are apparently suppressed

Spleen
Galhotra, A. P.; et al., 1979, Indian Vet. J., v. 56 (6), 466-469
Anaplasma marginale, splenectomized calves (exper.), blood proteins, bilirubin and leucocytes index, bone marrow changes

Spleen
Hussein, H. S., 1979, Exper. Parasitol., v. 47 (1), 1-12
Babesia microti, B. hylomysci, mice, role of spleen during infection, erythrophagocytosis, determination of phagocytic activity of reticuloendothelial system

Spleen
Babesia divergens, B. major, attempt to infect mice (nu/nu, nu/+), nu/nu splenectomized, and Lasat, neither parasite became established, B. divergens persisted up to 10 days, B. major lasted only 1 day, B. divergens persisted longer in splenectomized mice but absence of thymus made no apparent difference

Spleen
Babesia microti in Microtus agrestis, prevalence by host sex and weight and by months, splenomegaly, only Ixodes ricinus found on mammals and vegetation of surveyed area; experimental host range: westlich von Munchen

Spleen
Haemobartonella felis in splenectomized vs. non-splenectomized cats, relations between parasitemia and hematocrit value, erythrocyte osmotic fragility and direct Coombs tests, organ distribution of 51Cr-labeled erythrocytes

Spleen
Haemobartonella felis, detachment of organisms from parasitized erythrocytes by reticular cells in spleen of cat, ultrastructural observations

Spleen
Mahmoud, A. A. F.; and Woodruff, A. W., 1978, Clin. Sc. and Molecular Med., v. 54 (4), 397-401
Schistosoma mansoni, mice, splenomegaly, anemia, dependent not only on parasite factors but also on host immunologic response to infection

Spleen
malaria, humans, role in tropical splenomegaly syndrome, current appraisal, review

Spleen
Molyneux, M. E.; et al., 1979, J. Trop. Med. and Hyg., v. 82 (9-10), 183-187
malarial and schistosomal antibodies and serum immunoglobulin concentrations in patients with massive splenomegaly measured, discussion of problems in diagnosis of gross splenomegaly in areas where schistosomiasis and malaria coexist: Malawi

Spleen
males of 3 ethnic groups and 3 age groups inhabiting same locality, haematological status (including anemia), spleen and liver enlargement, immunoglobulin status, malaria parasite rates, other parasite infections, possible associations between these and other factors (including nutrition, sickle cell trait, altered immune response to malaria): Northern Nigeria
Spleen. See Spleen.

Spleen
Theileria hirci, carrier sheep, parasite counts and haemotological observations before and after splenectomy.

Spleen
Premvati, G., 1979, J. Trop. Med. and Hyg., v. 82 (5), 105-109
Leishmania donovani-infected mice, correlation of hyperplasia, splenomegaly and hematological changes with parasite population, possible application to early diagnosis of visceral leishmaniasis.

Spleen
Rickman, W. J.; and Cox, H. W., 1979, J. Parasitol., v. 65 (1), 65-73
Trypanosoma brucei rhodesiense-infected rats, syndrome characterized by anemia, splenomegaly, and glomerulonephritis, accompanied by presence of 3 autoantibodies and by presence of fixed complement and fibrinogen on trypanosomes and erythrocytes.

Spleen
Plasmodium yoelii in immunologically competent mice and mice with defined immunological deficiencies, results indicate that splenomegaly, enhanced phagocytosis, and anemia are thymus-dependent responses to malaria infection.

Spleen
Robinet, J. P.; and Rank, R. G., 1979, Infect. and Immun., v. 23 (2), 270-275
Trypanosoma musculi, mice, splenomegaly is T cell-dependent and is the result of proliferation of B and/or T lymphocytes.

Spleen
Romestand, B.; and Trilles, J. P., 1977, Ztschr. Parasitenk., v. 52 (1), 91-95
Anilocra physodes, Heinertia oestroides, Emetha audouini, teleost fishes, blood values, anemia, hypertrophy and hypertvascularization of spleen: Herault, France.

Spleen
Seed, J. R.; et al., 1978, Am. Midland Naturalist, v. 100 (1), 126-134
Trypanosoma brucei gambiense-infected wild and laboratory Microtus montanus males, organ weights, parasite stress as cause of enlarged spleens and smaller gonads, splenomegaly can be used as survey marker to determine extent of parasitism in field populations, reduced reproductive potential suggests that parasitism plays role in limiting host population density: Jackson Hole, Wyoming.

Spleen
Silakova, L. N.; and Pustovgar, I. E., 1971, Parazitologija, Leningrad, v. 5 (6), 539-541
Trichinella spiralis in white mice, effect of splenectomy on course of infection.
Sporulation
Eimeria brunetti, sporulation of oocysts, development of zygote and formation of sporoblasts, light and electron microscopy

Sporulation
Eimeria brunetti, sporulation of oocysts, development into sporocyst, formation of sporozoite, light and electron microscopy

Sporulation
Toxoplasma gondii, ultrastructure of sporocyst, initiation of sporozoite formation

Stains. See Technique, Stains.

Statistical models and theory. See Mathematical models and theory; Technique, Statistical methods.

Sterility. See Reproduction; Sex and parasitism.

Sterols. See Lipids.

Stomach. [See also Digestive system; Gastritis; Gastroenteritis]

Stomach
Mel'nikova, K. V., 1972, Parazitologiya, Leningrad, v. 6 (6), 549-554
Acarus stryngylium, pigs (exper.), accumulation of acid and neutral mucopolysaccharides in gastric mucosa in relation to duration of invasion, possible protective role and significance in pathogenesis of acute and chronic disease

Storage of specimens. See Freezing; Technique, Specimen preparation and preservation.

Strains, Host
Altaif, K. I.; and Dargie, J. D., 1978, Parazitology, v. 77 (2), 161-173
Haemonchus contortus, influence of breed and haemoglobin type on clinical and pathophysiological response of sheep to moderate primary infection, concluded that genetic resistance operated primarily against worm establishment and was probably controlled by the immune response elicited, in heavy infections there was no correlation between worm establishment and haemoglobin type

Strains, Host
Taenia crassiceps, rats, differences in susceptibility to infection and development of immunocompetence in relation to host strain and age

Strains, Host
Schistosoma mansoni strains from northern Brazil, strains of Biomphalaria glabrata experimentally infected proved susceptible to schistosome infections, experimentally infected B. straminea strains were consistently poor vectors

Strains, Host
Behin, R.; Mawel, J.; and Sordat, B., 1979, Exp. Parasitol., v. 48 (1), 81-91
Leishmania tropica major in various strains of mice, course of infection and size distributions of cutaneous lesions, in vitro macrophage function

Strains, Host
Leishmania tropica, newly isolated West African strain in several mouse strains, general course of infection, dose-response relationships, histopathology, specificity of lesions and evidence for dissemination of infection

Strains, Host
Leishmania donovani, acute growth rates in 25 inbred mouse strains fall into susceptible and resistant groups, breeding experiments show that single gene or linkage group controls acute susceptibility to this parasite in the mouse

Strains, Host
Leishmania donovani, course of infection and pathology in 7 strains of mice with varying degrees of susceptibility, results demonstrate strong control by genetic constitution of host and provide model for study of innate and acquired immunity to chronic intracellular parasites

Strains, Host
Schistosoma mansoni, 3 strains, susceptibility of various strains of Biomphalaria tenagophila

Strains, Host
Civil, R. H.; and Mahmoud, A. A. F., 1978, J. Immunol., v. 120 (3), 1070-1072
Bacillus Calmette-Guerin (BCG) induces nonspecific resistance to Schistosoma mansoni in only certain strains of inbred mice, BCG-induced protection does not correlate with increases in spleen weight and is not associated with genes of the major histocompatibility complex of the mouse
Strains, Host
Claas, F. H. J.; and Deelder, A. M., 1979, J. Immunogenet., v. 6 (3), 167-175
Schistosoma mansoni, mice of 2 congenic inbred strains, immune response (worm burden, mortality, antibody titre, spleen index, eosinophilia, delayed type hypersensitivity, in vitro response to 3 S. mansoni antigen preparations), results indicate H-2 region influences course of acute infection but not susceptibility to infection

Strains, Host
Jennings, F. W.; et al., 1978, Exper. Parasitol., v. 44 (2), 202-208
Trypanosoma brucei brucei, mice, influence of host strain and parasite antigenic type on course of infections

Strains, Host
Plasmodium falciparum, P. vivax (2 strains), Anopheles freeborni (exper.), susceptibility of natural and selected pupal color phenotypes to infection

Strains, Host
Schistosoma mansoni, mice with strain differences in H-2 gene complex, no differences in worm burden but considerable differences in mortality and in antibody titer

Strains, Host
De Jongchheere, J., 1979, Path. Biol., v. 27 (8), 453-458
Naegleria fowleri, virulence for mice of isolates from environment, effect of axenic cultivation, brain passage, and passages in Vero cell cultures, mouse strain and age differences

Strains, Host
Nematospiroides dubius in different mouse strains, sex resistance, passive transfer experiments

Strains, Host
Eling, W., 1978, Tropenned. u. Parasitol., v. 29 (2), 204-209
Plasmodium berghei-immunized mice, parasite survival in relation to time and host strain

Strains, Host
Plasmodium berghei in mice, 6 different host strains compared, course of infection, mortality patterns, parasitemia, pathological changes, host genetic variation, implications for laboratory model studies

Strains, Host
Franstdsen, F., 1979, J. Helminth., v. 53 (3), 205-212
Schistosoma haematobium, strains from Sudan, Zaire, and Zambia, compatibility with various species and strains of Bulinus

Strains, Host
Franstdsen, F., 1979, J. Helminth., v. 53 (4), 321-348
Schistosoma mansoni, 7 geographical strains, compatibility with various species and strains of Biomphalaria

Strains, Host
Frandsen, F.; and Helminth., v. 53 (4), 349-355
Schistosoma bovis from Morocco, compatibility with various species and strains of Bulinus

Strains, Host
Entamoeba histolytica, susceptibility of various strains of mice to liver inoculation, infections were obtained in 6 of 9 strains but no strain was consistently susceptible

Strains, Host
Haggerty, R. M.; and John, D. T., 1978, Infect. and Immun., v. 20 (1), 73-77
Naegleria fowleri in mice, infecting dose and age, sex, and strain of host are important variables that markedly affect innate resistance to infection

Strains, Host
Leishmania tropica, susceptibility in intact and nude mice of various genotypes and at level of macrophage in vitro, possible nature of immunological defect responsible for persistent disease in susceptible mouse strains

Strains, Host
Heumann, A. M.; et al., 1979, Infect. and Immun., v. 24 (3), 829-836
Plasmodium berghei, high and low antibody responder lines of mice and their interline hybrids, antibody response induced by vaccination with irradiated parasitized erythrocytes, innate resistance and protective efficacy of vaccination, results indicate vaccination-induced immunity is essentially due to antibody response

Strains, Host
Schistosoma japonicum (Yamanashi strain) in laboratory colonies of Oncomelania spp. of different geographic strains, infection rate

Strains, Host
Jennings, F. W.; et al., 1978, Research Vet. Sc., v. 25 (3), 399-400
Trypanosoma congolense, T. brucei, survival time of various strains of mice, C57 B1 mouse might provide laboratory model for study of trypanotolerance in cattle

Strains, Host
Kassim, O. O.; and Richards, C. S., 1979, Internat. J. Parasitol., v. 9 (6), 565-570
Schistosoma mansoni, reactions to miracidia in 2 strains of Biomphalaria glabrata, involving variations in parasite strains and in numbers and sequences of exposures
Subjects headings

Strains, Host
Perez, H.; Labrador, F.; and Torrealba, J. W., 1979, Internat. J. Parasitol., v. 9 (1), 27-32
Leishmania mexicana, variations in response of 5 strains of mice (course of infection, delayed type hypersensitivity response, humoral antibody production), crossing experiments between resistant and susceptible strains suggest that resistance is inherited as dominant character

Strains, Host
Trichinella spiralis, primary and secondary infections with 50 larvae in mice genetically selected for high and low antibody production, differential response, implications for mechanism of resistance

Strains, Host
Prowse, S. J.; et al., 1979, Infect. and Immun., v. 24 (3), 927-928
Nematospiruodes dubius, 7 inbred strains of mice, differences in natural resistance to primary infection and in development of resistance to challenge infection, host sex differences, IgG1 and IgG2a concentrations

Strains, Host
Schistosoma bovis from Salamanca, Spain, receptivity of different populations of Planorbis metidjensis, Bulinus truncatus, and Biomphalaria glabrata

Strains, Host
Giardia muris, course of infection in inbred mouse strains and in nude mice, susceptibility to primary infection and in development of resistance to challenge infection, host sex differences, potential use of this Giardia model

Strains, Host
Roberts-Thomson, I. C.; and Mitchell, G. F., 1979, Infect. and Immun., v. 24 (3), 971-973
Giardia muris, mice, protective effect of injection of trophozoites in Freund complete adjuvant, host strain differences

Strains, Host
Schistosoma mansoni, susceptibility of Venezuelan rats of Biomphalaria glabrata strain to infection with strains of S. mansoni from various endemic zones

Strains, Host
Ruebush, M. J.; and Hanson, W. L., 1979, J. Parasitol., v. 65 (3), 430-433
Babesia microti, susceptibility of 5 strains of mice to parasites of human origin

Strains, Host
Antigens of swine ascarids administered to three different strains of rat, differences in immune response

Strains, Host
Siddiqi, M. N.; and Meeroovitch, E., 1976, Pakistan J. Zool., v. 8 (2), 191-197
Trichinella spiralis, 6 strains, relative infectivity in mice, guinea pigs, and 2 strains of rats (albinos and hooded), role of host resistance

Strains, Host
Tanner, C. E., 1978, J. Parasitol., v. 64 (5), 956-957
Trichinella spiralis, susceptibility of several inbred lines of mice differing at the H-2 histocompatibility locus, no significant differences found in level of infection between any of the different mouse strains used, results suggest that intensity of infections with T. spiralis is probably not controlled by genes of the H-2 region

Strains, Host
Wuchereria bancrofti in Culex pipiens fatigans vectors, no consistent differences between vector strains in their degree of susceptibility to infections, all strains tested were highly susceptible, implications for genetic control programs

Strains, Host
Trischmann, T.; et al., 1978, Exp. Parasitol., v. 45 (2), 160-168
Trypanosoma cruzi (Brazil strain), characteristics of resistant and susceptible strains of mice following challenge, results suggest a necessary association of natural resistance with the immune response, principal genetic determinant of resistance is not associated with H-2 haplotype

Strains, Host
Wakeley, D., 1978, Advances Parasitol., v. 16, 219-308
Gentic control of susceptibility and resistance to parasitic infection, review

Strains, Host
Walzer, P. D.; Powell, R. D., jr.; and Yoneda, K., 1979, Infect. and Immun., v. 24 (3), 939-947
Pneumocystis carinii, cortisonized mouse as experimental model for pneumocystis pneumonia, host strain differences

Strains, Host
Plasmodium vivax- and P. falciparum-infected Anopheles albimanus (exper.), susceptibility of natural pupal phenotypes to infection

Strains, Host
Wassom, D. L.; David, C. S.; and Gleich, G. J., 1979, Immunogenetics, v. 9 (4-5), 491-496
Trichinella spiralis, genes within major histocompatibility complex influence susceptibility to infection in the mouse
Strains, Host
Dipetalonema viteae in 2 strains of hamster, lymphocyte blastogenesis (during different stages of primary infection, after injection of dead larvae, after implantation of adult worms, in mixed infection with Schistosoma mansoni), attempt to relate results with parasitological findings and with humoral immune response, analysis of cellular unresponsiveness to filarial antigens in chronically infected LAK2 hamsters

Strains, Host
Toxoplasma gondii, mice, genetic control of resistance, data demonstrate that murine susceptibility to T. gondii is under multigenic control with at least one of genes linked to H-2 locus and different mechanisms of action are suggested for some of infection susceptibility genes because of phenomenon of genetic complementarity

Strains, Host
Angiostrongylus cantonensis in 8 strains of inbred rats, occurrence of acquired resistance, kinetics of humoral immune response (reaginic and indirect hemagglutination antibody response)

Strains, Host
Plasmodium berghel, histo- and immunopathology in 6 different mouse strains, symposium presentation

Strains, Parasite
Ahrens, F. H.; et al., 1976, J. Med. Entom., v. 12 (6), 691-694
Cochliomyia hominivorax, new strain ('TEX-MEX') outperformed standard production strain ('APHIS') in dispersal and survival in field trials: Central Texas river valley; South Texas rangeland

Strains, Parasite
Albar, S. M.; et al., 1972, Parazitologiia, Lexington, v. 6 (1), 19-21
Entamoeba histolytica, hyaluronidase activity of 10 strains compared, activity reduced but not lost by long laboratory cultivation, does not depend on associated microflora but on amoebae themselves

Strains, Parasite
Akahane, H.; and Oshima, T., 1976, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 25 (4), 231-234
Fasciola sp., existence of strain with large eggs and strain with small eggs, heritability of trait: Japan

Strains, Parasite
Akinshina, G. T.; and Desmon, Zh., 1977, Veterinariia, Moscow (12), 80-85
Toxoplasma gondii, mechanical-secretory penetrative ability into mouse peritoneal macrophages is correlated with strain virulence, scanning electron microscopy

Strains, Parasite
Schistosoma mansoni, variation in number of ciliated papillae on miracidia of different strains, variations are related to intermediate and definitive hosts

Strains, Parasite
Albar, J. L.; and Leger, N., 1978, Amm. Parasitol., v. 53 (6), 617-622
Schistosoma mansoni, miracidial chetotaxic index, changes during adaptation of human strain to white mice, use in determining human vs. murine character of natural infections in Guadeloupe, possibility of murine strains infecting humans

Strains, Parasite
Trypanosoma cruzi, re-examination of person from whom extensively studied virulent Y strain had been isolated 23 years earlier, typical signs of chronic infection not evident

Strains, Parasite
Andrade, S. G., 1974, Rev. Patol. Trop., v. 3 (1), 65-121
Trypanosoma cruzi, characteristics of strain isolated in area of Salvador (virulence, tissue tropism, morphology, pathology), comparison with characteristics of strains from other areas, extensive bibliography: Bahia, Brazil

Strains, Parasite
Trypanosoma cruzi, mice with chronic infection with Colombian strain, inoculation with virulent Y strain, results demonstrate that chronic infection produces partial immunity and that co-existence of parasite strains is possible

Strains, Parasite
Trypanosoma cruzi, Colombian strain, mice with reticuloendothelial blockade due to India ink injections, cortisone-treated mice, suckling mice, severe infection with high parasitemia occurred in these animals with lowered resistance but basic strain pattern was not changed

Strains, Parasite
Trypanosoma cruzi, mice, Peruvian or Colombian strain, Bay 2502, results varied with strain, suggestions for future research

Strains, Parasite
Trypanosoma cruzi, 3 strains with differences in antigenic structure, strain F1 always yielded lower titers in immunofluorescent test, use of pool of several strains recommended
Strains, Parasite

Toxoplasma gondii strains isolated from rabbits and fetuses of ewes which miscarried, comparative studies of virulence and immunogenicity, role in etiology of abortion

Strains, Parasite

Elmeria tenella, comparison of amprolium- and buquinate-resistant strains to a drug-sensitive strain with respect to (1) oocyst production in chicks and (2) infectivity, rate of development, and oocyst production in primary chick kidney cell cultures

Strains, Parasite

Bachrach, U.; et al., 1979, Exper. Parasitol., v. 48 (3), 457-463
Leishmania spp., cellular levels and synthesis of polyamines during growth cycle, polyamines characteristics might serve as further criterion for strain identification and classification

Strains, Parasite

Schistosoma mansoni strains from northern Brazil, strains of Biomphalaria glabrata experimentally infected proved susceptible to schistosome infections, experimentally infected B. straminea strains were consistently poor vectors

Strains, Parasite

Trypanosoma cruzi, morpho-biometric and biologic comparisons of 17 strains; results showed no relationships between morphology and pathogenicity of strains studied

Strains, Parasite

Babesia microti, 1 human-derived and 2 rodent-derived isolates from Long Island, immunological relationships

Strains, Parasite

Bjorneboe, A.; and Frandsen, F., 1979, J. Helminth., v. 53 (3), 195-203
Schistosoma intercalatum, comparison of characteristics of 2 strains (Cameroon vs. Zaire) in mice (worm return, male/female worm ratio, growth rate, number of testes in adult male worms, quantitative distribution of eggs in host tissue, size and shape of eggs, changes in weight of host spleen and liver)

Strains, Parasite

Trypanosoma cruzi, life cycle in vertebrate and invertebrate hosts, influence of parasite strains, host genetic factors, bacterial flora, and parasite morphology on host susceptibility

Strains, Parasite

Trypanosoma cruzi, mice treated wit nitrofurazone, nifurtimox, or Ro 7-1051, differences in susceptibility of 4 parasite strains to active drugs attributed to biological characteristics of strains rather than to mode of drug action

Strains, Parasite

Entamoeba histolytica, strain Eh 1 isolated from woman with acute infection, virulence in laboratory animals and utilization in drug screening in hamsters

Strains, Parasite

Plasmodium (Vinckelia) spp., value of DNA studies employing buoyant density determinations and measurements of nucleotide sequence homology in systematics and identification

Strains, Parasite

Trypanosoma cruzi, mice, culture forms (Y and MR strains) previously kept for 1 1/2 to 18 years without animal passage, infectivity compared

Strains, Parasite

Trypanosoma cruzi, strains Y and MR cultured for different periods of time, comparison of growth curves and differentiation (eipimastigotes to metacyclic trypomastigotes) rates

Strains, Parasite

Schistosoma mansoni, 3 strains, susceptibility of various strains of Biomphalaria tenagophila

Strains, Parasite

Schistosoma haematobium, mixing of 'rohfisi' and 'globosus' strains among human and intermediate hosts: Anyaboni, Ghana

Strains, Parasite

Plasmodium falciparum, P. vivax (2 strains), Anopheles freeborni (exper.), susceptibility of natural and selected pupal color phenotypes to infection
Strains, Parasite
De Jonghkeere, J., 1979, Path. Biol., v. 27 (8), 453-458
Naegleria fowleri, virulence for mice of isolates from environment, effect of axenic cultivation, brain passage, and passages in Vero cell cultures, mouse strain and age differences

Strains, Parasite
Trichomonas vaginalis, comparison of soluble antigens of 2 cultured clones of different age originating from the same strain

Strains, Parasite
Trypanosoma cruzi, mice, transplacental transmission is dependent upon pathogenicity of parasite strain and phagocytic activity of placenta

Strains, Parasite
Dias, L. C. de S.; et al., 1978, Rev. Saude Pub., S. Paulo, v. 12 (1), 110
Schistosoma mansoni, isolation of strain resistant to hyancanthone and to oxamnique

Strains, Parasite
Dick, T. A.; and Belosevic, M., [1979], J. Parasitol., v. 64 (6), 1978, 1143-1145
Trichinella spiralis, Churchill isolate from polar bear, infectivity for laboratory animals (mice, rats, golden hamsters), effects of freezing before and after passaging in experimental animals

Strains, Parasite
Dikovskaia, V. E., 1974, Parazitologiia, Lenigrad, v. 8 (6), 548-552
Eimeria tenella, 13 strains, intraspecific variability with respect to virulence, re-productive capability, and immunogenic properties: USSR

Strains, Parasite
Toxoplasma gondii, affinity of 4 strains to mice brains over other organs

Strains, Parasite
Frandsen, F., 1978, J. Helminth., v. 52 (1), 11-22
Schistosoma intercalatum, results of hybridization between different strains from Cameroun and Zaire

Strains, Parasite
Frandsen, F., 1979, J. Helminth., v. 53 (3), 205-212
Schistosoma haematobium, strains from Sudan, Zaire, and Zambia, compatibility with various species and strains of Bulinus

Strains, Parasite
Frandsen, F., 1979, J. Helminth., v. 53 (4), 321-348
Schistosoma mansoni, 7 geographical strains, compatibility with various species and strains of Biomphalaria

Strains, Parasite
Funayama, G. K.; and Prado, J. C., jr., 1974, Rev. Soc. Bras. Med. Trop., v. 7 (2), 75-81
Trypanosoma cruzi, strain isolated from Triatomae infestans captured in Vitchi, Bolivia, severe pathogenicity for mice, mice recovered from infection have high resistance against reinfection by the V strain, Bolivia strain easily cultured and regularly infective for several triatomines

Strains, Parasite
Trypanosoma evansi from cattle and buffaloes, 3 biometric strains described: Philippines

Strains, Parasite
Gibson, W. C.; et al., 1978, Comp. Biochem. and Physiol., v. 60B (2), 37-142
Trypanosoma evansi, 10 isolates compared, isoenzymes, soluble proteins, polypeptides, free amino acids (starch gel electrophoresis, isoelectric focusing, SDS polyacrylamide electrophoresis, amino acid analysis)

Strains, Parasite
Han, T. W., 1978, Research Rep., Office Rural Develop., Min. Agric. and Fish., Korea, v. 20, 53
Theileriosis, cattle, historical review, seasonal and host age incidence, duration of parasitaemia, relapse time; transmission of Theileria sp. to cattle using Roophilus microplus and Haemaphysalis longicornis; pathogenicity and immunogenicity of Korean and Japanese strains of T. sergenti compared: Korea

Strains, Parasite
Theileria annulata, 3 strains of varying virulence, calves (exper.), primary infections with different doses, parasitological findings, host temperature, resistance to challenge with homologous and heterologous strains

Strains, Parasite
Echinococcus multilocularis, mice, fenbendazole, significant reduction in worm burden and number of protoscolices, degree of efficiency subject to way of application, duration of medication and parasite strain

Strains, Parasite
Echinococcus multilocularis, HH vs. S strain, mice treated with fenbendazole as emulsion or in feed, serum protein values, compared with untreated and with uninfected mice

Strains, Parasite
Echinococcus multilocularis, HH vs. S strain, mice treated with fenbendazole as emulsion or in feed, indirect fluorescent antibody titers, compared with untreated mice
Strains, Parasite
Trypanosoma brucei brucei complex, antigenic variants in cyclically transmitted strains

Strains, Parasite
Joyner, L. P.; et al., 1978, Parasitology, v. 77 (1), 27-31
coccidia, particularly of the genus Eimeria, proposed terminology which provides for discussion of variation at infrasubspecific levels, guidelines for designation of strains and lines

Strains, Parasite
4 strains of free-living amoebae isolated from lakes in Poland, pathogenicity for mice, response to several drugs, identified as Acanthamoeba spp. on basis of morphology and protein disc electrophoretic patterns

Strains, Parasite
Kassim, O. O.; Cheever, A. W.; and Richards, C. S., 1979, Exper. Parasitol., v. 48 (2), 220-224
Schistosoma mansoni, mice infected with different worm strains, significant differences in prepatent period, egg distribution, and numbers of eggs in tissue and feces

Strains, Parasite
Kassim, O. O.; and Richards, C. S., 1978, Exper. Parasitol., v. 46 (2), 213-217
Schistosoma mansoni, levels of lysozyme activity in Biomphalaria glabrata (hemolymph, digestive gland, and headfoot extracts) during infection with compatible and incompatible parasite strains, results suggest that lysozyme does not by itself play a major role in the destruction of a schistosome infection in a resistant snail host

Strains, Parasite
Kassim, O. O.; and Richards, C. S., 1979, Internat. J. Parasitol., v. 9 (6), 555-570
Schistosoma mansoni, host reactions to miracidia in 2 strains of Biomphalaria glabrata involving variations in parasite strains and in numbers and sequences of exposures

Strains, Parasite
Kassim, O. O.; and Richards, C. S., 1979, J. Invert. Path., v. 33 (3), 385-386
Schistosoma mansoni, radioisotope labeling for differentiating between strains in individual Biomphalaria glabrata snails

Strains, Parasite
Katz, N.; et al., 1973, Rev. Soc. Brasil Med. Trop., v. 7 (6), 381-387
Schistosoma mansoni, isolation of drug resistant strain (WW strain), reactions in mice to therapy with hycanthone, niridazole and oxamnique compared with reactions of LE drug sensitive strain

Strains, Parasite
Trypanosoma cruzi, immunofluorescence of F vs. Y strain, host immunoglobulins attached to surface of F strain, capping of immunoglobulins during differentiation in culture medium

Strains, Parasite
Knight, R. A., 1978, J. Parasitology, v. 64 (4), 601-605
Fasciola hepatica of ovine and bovine origin, effects of experimental infection in homologous and heterologous hosts, "Since there appear to be no strain differences in infectivity and pathogenicity of flukes from sheep and cattle, sheep and cattle isolates would more correctly describe flukes cultured from one or the other host."

Strains, Parasite
Plasmodium juxtanucleare, new foci, prevalence survey, pathology, recently isolated strain and 20 year old strain compared for forms and virulence

Strains, Parasite
Plasmodium berghei normal and chloroquine-resistant strains, mice, comparative study of hematology, parasitemia curves, and mortality rate

Strains, Parasite
Krettli, A. U.; Weisz-Carrington, P.; and Nussenzweig, R. S., 1979, Clin. and Exper. Immunol., v. 37 (3), 416-423
Trypanosoma cruzi, in vitro lysis of blood-stream forms mediated by antibodies and complement, strain differences in susceptibility to lysis

Strains, Parasite
Kuntz, R. E.; Huang, T. C.; and Moore, J. A., 1979, J. Parasitology, v. 65 (3), 464-464
Schistosoma mansoni, comparisons of infections with 3 parasite strains (Kenya, Puerto Rico, South Africa) in Papio cynocephalus

Strains, Parasite
Echinococcus granulosus, zymograms of glucose phosphate isomerase to differentiate biochemical strains, results indicate an 'ovine' strain (in sheep and cattle) and an 'equine' strain (in horses), strain from camels may also be biochemically different

Strains, Parasite
Long, P. L.; and Millard, B. J., 1979, Parasitology, v. 79 (3), 451-457
Eimeria maxima, immunological differences between laboratory strains and field isolates effect of mixed immunizing inoculum on heterologous challenge

Strains, Parasite
Rhipicephalus appendiculatus, susceptibility of organochlorine susceptible and resistant East African strains to ten cholinesterase inhibiting acaricides

Strains, Parasite
Luckins, A. G.; and Gray, A. R., 1979, Parasitology, v. 79 (3), 337-347
Trypanosoma congoense, stocks from East and West Africa, antigenicity and serological relationships
Strains, Parasite
Luecht, I. G.; Millard, B. J.; and Scholtyseck, E. O., 1978, Parasitology, v. 76 (2), 185-191
Eimeria tenella, embryo-adapted strain, fine structure and development in chicken embryos, complete endogenous cycle is restricted to epithelial cells of chorio-allantoic membrane, no major ultrastructural changes have occurred as result of repeated embryo passage

Strains, Parasite
Entamoeba histolytica, viral conversion of virulence, data indicate that amebae surviving virus infection may be increased, decreased, or unaltered in virulence unrelated to virulence of amebal strain serving as viral donor

Strains, Parasite
Melo, R. C.; and Brener, Z., 1978, J. Parasitol., v. 64 (3), 475-482
Trypanosoma cruzi, distribution of intracellular parasites in organs and tissues of mice inoculated with 4 different strains, some aspects of tissue tropism related to physiological characteristics of bloodstream forms, importance of this distribution in pathogenesis of disease

Strains, Parasite
Trypanosoma cruzi, cultivated Y strain, avirulence demonstrated by failure to infect immunosuppressed mice

Strains, Parasite
Trypanosoma cruzi, demonstration of avirulence of PF strain in mice vaccinated and treated with immunosuppressive drugs

Strains, Parasite
Trypanosoma cruzi, antilymphocytic serum enhanced infection in dogs infected with virulent strain of parasite but could not promote evident infection and disease in dogs injected with live avirulent T. cruzi PF strain

Strains, Parasite
Trypanosoma cruzi, PF strain, avirulence in mice, protective effect against subsequent challenge with virulent strain

Strains, Parasite
Mercado, T. I.; and Garbus, J., 1979, Comp. Biochem. and Physiol., v. 64B (1), 11-15
Trypanosoma cruzi, mice infected with myotropic vs. reticulotropic parasite strains, creatine phosphokinase isoenzymes in plasma and tissues
Strains, Parasite
Trypanosoma cruzi trypomastigotes, interaction with hamster peritoneal macrophages at optical and ultrastructural levels in vitro, possible mechanisms of parasite intracellular fate, strain differences

Strains, Parasite
Nasirov, F. Sh.; and Iusypov, K. A., 1974, Parasitologiiia, Leningrad, v. 8 (1), 77-81
Leishmania tropica major, 13 strains isolated from humans, virulence for white mice, pathogenicity factors (hyaluronidase, fibrinolysin, plasmocosgulase, Duran-Reynals factor, demembranolytic properties): Termez

Strains, Parasite
Nerad, T. A.; and Daggett, P. M., 1979, J. Protozool., v. 26 (4), 613-615
Naegleria fowleri, N. gruberi, isoenzyme electrophoresis as effective method for separation of pathogenic and nonpathogenic Naegleria strains

Strains, Parasite
Mi, G. V., 1973, Parazitologiia, Leningrad, v. 7 (1), 75-78
Leptomonads, differentiation of pathogenic (Leishmania tropica major) from non-pathogenic strains by their reaction to increased incubation temperatures in vitro

Strains, Parasite
Toxoplasma, 11 strains, susceptibility to 6 drugs, mice

Strains, Parasite
Onchocerca volvulus, histochemical enzyme-staining patterns of microfilariae from persons in different geographical areas

Strains, Parasite
Theileria parva, cross-immunity trials in recovered cattle indicate that Ugandan isolates differ immunologically from T. parva (Muguga) and among themselves and that several strains and/or species are responsible for field cases of East Coast fever: Uganda

Strains, Parasite
Perez, H.; Arredondo, B.; and Gonzalez, M., 1978, Infect. and Immun., v. 22 (2), 301-307
Leishmania mexicana, human strains (one from typical case of American cutaneous leishmaniasis and one from case of diffuse cutaneous leishmaniasis) in 2 strains of inbred mice, course of lesions, delayed hypersensitivity response, agglutinating antibodies, in vitro responses to leishmanial antigens and to mitogens, results show impaired immune response in BALB/c mice

Strains, Parasite
Trypanosoma cruzi, comparison of 9 strains isolated from man, animals, and triatomine bugs, host pathology, virulence, infectivity, importance of strain differentiation: Brazil
Strains, Parasite  
Schistosoma bovis strains, S. mattheei, S. margebrowiei, S. leiperi, isoenzymes compared by isoelectric focusing, technique for further studies of inter- and intraspecific relationships  

Strains, Parasite  
populations of Biomphalaria tenagophila and B. glabrata which are highly susceptible to Schistosoma mansoni strains from the Valley of Paraiba do Sul River and Belo Horizonte areas have been obtained after four generations by using a schedule of individual selections; this rapid genetic gain in susceptibility shows that molluscan susceptibility is highly inheritable and apparently conditioned by a few genes  

Strains, Parasite  
Trypanosoma cruzi in Rhodnius prolixus, infectivity of avirulent PF strain compared with virulent Y strain  

Strains, Parasite  
Trypanosoma cruzi, lymphocytes of mice inoculated with avirulent PF strain conferred immunity in mice (treated with immunosuppressive drugs) against infections with the virulent Y strain; newborn mice treated with immunosuppressive drugs showed no protection against the virulent strain  

Strains, Parasite  
Toxoplasma, low-virulence strains, frequent serial passage in mice increased virulence  

Strains, Parasite  
Serebriakov, V. A.; et al., 1973, Parazitologiya, Leningrad, v. 7 (5), 385-388  
Leishmania tropica major, evaluation of criteria for determining strain virulence in vitro, ability to form fibrinolysin is only reliable indicator  

Strains, Parasite  
Shechoulev, A. P., 1974, Parazitologija, Leningrad, v. 8 (6), 553-562  
Toxoplasma gondii, rabbits immunized with high vs. low virulence strain, immunodiffusion and complement fixation tests, serum protein fractions  

Strains, Parasite  
Eimeria mivati and E. mivati var. diminuta strains differing in sensitivity to sulphamarine and electrophoretic mobility of lactate dehydrogenase crossed; electrophoretic variation of enzymes a further marker for genetic studies  

Strains, Parasite  
Siddiqi, M. N.; and Meerovitch, E., 1976, Pakistan J. Zool., v. 8 (2), 183-189  
Trichinella spiralis, 6 strains, relative infectivity to albino rats, variable infectivity appears to be due to strain differences in transmission cycles and to natural host resistance  

Strains, Parasite  
Siddiqi, M. N.; and Meerovitch, E., 1976, Pakistan J. Zool., v. 9 (1), 47-50  
Trichinella spiralis, stability of 4 strains, no significant increase in infectivity after 5-8 serial passages through rats although individual variations from one passage to another were observed  

Strains, Parasite  
Siddiqi, M. N.; and Meerovitch, E., 1977, Pakistan J. Zool., v. 9 (1), 51-57  
Trypanosoma cruzi, 3 newly isolated strains compared with classical strain during intestinal phase of infection in rats (moulting pattern, % recovery of adult worms, their size and sex ratio), significantly smaller size of worms in 3 new strains, inhibition of development expressed by host resistance as one of several possible causes  

Strains, Parasite  
Simpson, L., 1978, J. Parasitol., v. 64 (2), 360  
Trypanosoma brucei, glucose-sensitive culture strain  

Strains, Parasite  
Babesia bovis, vaccine (NT) strain, unmodified (T) strain, differential infectivity for Boophilus microplus, differences observed in parasite structure in gut contents following ingestion by tick, NT strain was incapable of penetrating epithelial cells of tick gut  

Strains, Parasite  
Echinococcus granulosus, horse and sheep strains in Great Britain, aspects of speciation, value of considering epidemiological, developmental, and biochemical criteria, review of recent work  

Strains, Parasite  
Tompel, Kh. Ia.; and Teras, Iu. Kh., 1978, Veterinariya, Moscow (9), 96-98  
Trichromonas foetus, strain differences in antigenic properties tested in rabbits
Strains, Parasite
Trypanosoma cruzi, Venezuelan strain vs. Brazilian strain, factors influencing adaptation, development, and multiplication in local race of Rhodnius prolixus vectors (laboratory strain originally from state of Guanico, Venezuela)

Strains, Parasite
Trypanosome strains of subgenus Trypanozoon, comparison of variable antigenic types

Strains, Parasite
Voge, M.; Price, Z.; and Jansma, W. B., 1978, J. Parasitol., v. 64 (2), 368-372
Schistosoma japonicum adults, surface structure, no obvious differences among several geographic strains

Strains, Parasite
Werner, H.; et al., 1977, Tropenmed. u. Parasitol., v. 28 (4), 528-532
Toxoplasma gondii, latent infected mice, substantial reduction in brain cysts obtained by administration of hyperimmune serum, pyrimethamine, and SDDS in various combinations; effectiveness of therapy varied with parasite strain

Strains, Parasite
Trypanosoma brucei gambiense strains from Zaire, comparative infectivity in various laboratory animals

Strains, Parasite
Naegleria fowleri, variants in Australian strains, immunoelectrophoretic analysis shows them to have antigenic identity with human strains causing meningoencephalitis in other parts of world

Strains, Parasite
Wright, C. A.; Southgate, V. R.; and Ross, G. C., 1977, Internat. J. Parasitol., v. 9 (6), 523-528
Schistosoma intercalatum, Lower Guinea vs. Zaire strains, enzyme analysis by isoelectric focusing

Strains, Parasite
Anaplasma marginale, calves, pathogenesis of a virulent vs. non-virulent Columbian strain, possible application for immunization

Strains, Parasite
Trypanosoma vivax, 3 mouse-infected strains, review: parasitology (history, morphology, surface coat, tsetse transmission, infectivity and virulence for rodents), clinical and pathological observations in ruminants (virolence, anaemia, free serum amino acids, bradykinin, serotonin), vascular leakage, thrombus formation, fever, myocarditis, drug susceptibility

Stress
Malaria, overt attacks in humans as cause of post-operative fever, depressed acquired immunity resulting from stress of surgery, recommends routine administration of chloroquine prior to surgical procedures: Nigeria

Stress
Moniliformis dubius, larval morphogenesis in Periplaneta americana, effect of temperature, season, photoperiod, and elevated temperature stress, morphological anomalies

Stress
Esch, G. W.; Gibbons, J. W.; and Bourque, J. E., 1979, J. Parasitol., v. 65 (4), 633-638
Enteric helminths in Chrysemyx s. scripta from variety of habitats, species diversity and mean number of parasite species per host, relationship of various life history strategies of helminth parasites and predictability (or stability) of local environmental conditions: Savannah River Plant, near Aiken, South Carolina

Stress
Plasmodium berghei, comparison of infected mice subjected to electric shock stimulation and infected controls showed that mice subjected to stress were more resistant to infection than were controls

Stress
Ornithonyssus sylviarum, roosters (exper.), increased host resistance in response to high levels of social interaction or dietary administration of steroids

Stress
Eimeria acervulina, chicks (exper.), stress of intestinal infection results in depletion of ascorbic acid in blood plasma and tissues, addition of dietary ascorbic acid prevents depletion

Stress
Koloz, R. G.; and Nollen, P. M., [1979], J. Parasitol., v. 64 (6), 1978, 994-997
Schistosoma japonicum, development and movement of reproductive cells, effects of stressful conditions (in vitro culture; intraperitoneal maintenance in hamsters; unisexual transplants into hepatic portal system of hamsters)

Stress
Novak, M., 1978, Experientia, v. 34 (9), 1149
Taenia crassiceps, heat- and cold-stressed mice harbored significantly less cysticerci than controls, effect more pronounced in heat-stressed than in cold-stressed animals and more in males than in females, results show that environmental temperature affects growth of cysticerci in mice
Stress


histomoniasis, turkeys, age and seasonal dynamics in relation to epizootiology; disease outbreaks in young birds under stress conditions; nitazol satisfactory, trichopol good prophylactic and therapeutic effect

Stress

Quarles, C. L.; and Fagerberg, N. J., 1979, Poultry Science, v. 58 (2), 465-468

Eimeria acervulina, chicks (exper.), ammonia stress, mortality and growth performance

Stress

Seed, J. R.; et al., 1978, Am. Midland Naturlist, v. 100 (1), 126-134

Trypanosoma brucei gambiense-infected wild and laboratory Microtus montanus males, organ weights, parasite stress as cause of enlarged spleens and smaller gonads, splenomegaly can be used as survey marker to determine extent of parasitism in field populations, reduced reproductivity potential suggests that parasitism plays role in limiting host population density: Jackson Hole, Wyoming

Stress

Sharma, O. P.; et al., 1979, Indian J. Med. Research, v. 69, 251-254

Plasmodium berghei, mice, effect of starvation, infection, and interactions between the two on lipid peroxide and protein levels of liver and spleen

Stress

Sogandares-Bernal, F.; Hietala, H. J.; and Gunst, R. F., 1979, J. Parasitol., v. 65 (4), 616-623

Ornithodiplostomum psychocheilus infection not found to affect stamina of Richardsonius balteatus, evolutionary implications; multivariate contingency table analysis of data

Sugars. See Carbohydrates.

Superinfection

Kassim, O. O.; and Richards, C. S., 1979, Internat. J. Parasitol., v. 9 (6), 565-570

Schistosoma mansoni, host reactions to miracidia in 2 strains of Biomphalaria glabrata, involving variations in parasite strains and in numbers and sequences of exposures

Superinfection

Oikawa, H.; and Kawaguchi, H., 1976, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 25 (3), 141-147

Eimeria praecox, E. mitis, chickens, single, repeated or successive infection, effect on manifestation of symptoms and oocyst production

Superparasitism. See Hyperparasitism; Mixed infections.

Surfaces, Parasite. See Parasite surfaces.

Surgery


hydatidosis, human, modern surgical treatment, review

Surgery


human pulmonary echinococcosis, surgical management of 450 cases, cyst localization, age and sex distribution of patients, surgical complications, criteria for surgical methods employed

Surgery


human ocular cysticercosis, pathology, possible complications, currently used surgical procedures and new technique described: Brazil

Surgery


Chagas disease, human, tachycardia and aneurysms, case reports, medical and surgical management

Surgery


human hepatic hydatid disease, current alternate surgical management with emphasis on omentoplasty

Surgery

Aslamazov, E. G., 1979, Urol. i Nefrol. (4), 23-29

filariasis, human urogenital infections, surgical management, case report

Surgery


patients with Chagas cardiomypathy and Stokes-Adams syndrome with total atrioventricular block, modifications of anaesthesia technique for surgical implantation of epicardial pacemakers

Surgery


Echinococcus, human, surgical evacuation of hepatic cyst using a cryogenic cone, sterilization of cavity with silver nitrate, prevents spillage of cyst fluid and possible anaphylactic shock

Surgery


human hepatic echinococcosis, statistical data of surgical cases and their management, recent improvements in surgical care: La Plata, Argentina

Surgery

Bianca, T.; et al., 1977, Studi Sassaresi, Sez. II, Med., v. 55 (5-6), 515-538

echinococcosis, human kidney, extensive clinical review, diagnosis, pathology, therapy, surgical management, case report

Surgery

Boragina, R. C.; Procupet, L.; and Coyego, M. O., 1977, Semana Med. (4974), an. 84, v. 150 (1), 2-4

echinococcosis, human pulmonary cysts, surgical therapy using Mabit procedure: Argentina

Surgery

Burlui, D.; et al., 1974, Rev. Chir. (Chirurgia), Bucuresti, v. 23 (8), 669-676

human hepatic hydatid cysts with complicating obstructive jaundice, case reviews of successful therapeutic surgical intervention
Surgery
Byon, J. S., 1975, Taehan Uihak Hyophoe Chi (J. Korean Med. Ass.), v. 18 (7), 348-351
Ascaris, human, removal of worms from bile duct using a duodenofiberscope, 3 case reports

Surgery
human hepatic hydatid cysts, diagnostic scintigraphy, surgical methods used in treatment

Surgery
Coman, C.; et al., 1978, Rev. Chir. (Chirurgia), Bucuresti, v. 27 (1), 21-28
human thoracic hydatic cysts, review of current surgical procedures and description of new surgical procedure for excision of intact cysts

Surgery
Schistosoma mansoni, man, case report, techniques of extracorporeal filtration followed by splenectomy and portal vein decompression: Ethiopian student at Vanderbilt University, Nashville, Tennessee

Surgery
human Chagas disease with resulting megas-ophagus, surgical procedure for successful repair of diseased area

Surgery
cysticercosis meningitis complicated by double compartment hydrocephalus, 38-year-old Mexican American male, case report, clinical presentation and surgical management

Surgery
Eggleston, F. C.; et al., 1978, Surgery, St. Louis, v. 83 (5), 536-539
amoebic liver abscess, human, indications for surgery, operative procedures, and surgical results, 83 cases reviewed

Surgery
Echinococcus granulosus, scoicidal activity of centrimeido compared to that of sodium chloride; findings suggest that centrimeido can be used successfully during human hydatid surgery

Surgery
pulmonary echinococcosis, terminology and classification of surgical methods

Surgery
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schistosomiasis, human bladder, 138 cases surveyed after 5 years, tumor grade most important prognostic factor, most treatment failure due to local recurrence which developed early after treatment; preoperative radiation suggested for possible improvement of survival rate: Egypt

Surgery
Echinococcus granulosus, humans, etiology, treatment through surgical removal: Turkana District, Kenya

Surgery
echinococcosis, human, history, etiology, epidemiology, epizootiology, locations, and prevention, extensive review with emphasis on surgical treatment

Surgery
schistosomal hepatic fibrosis, humans, gastroesophageal decongestion and splenectomy in cases with and without portal and splenic venous thrombosis

Surgery
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human hepatic amoebic abscess, statistics of 50 cases and review of surgical management: Cuba

Surgery
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human echinococcosis, large pulmonary cysts, surgical method for residual drainage of cyst cavity, procedure superior to other accepted surgical methods

Surgery
Echinococcus granulosus, human, intrabiliary rupture of cysts into liver, guidelines for operative management

Surgery
Schistosoma mansoni, successful extracorporeal filtration of schistosomes in unanesthetized man

Surgery
cysticercosis cerebri, human, clinical presentation, diagnosis, indications for surgery; clinical case report: Mexican-American living in California

Surgery
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human echinococcosis, radiological course of pulmonary hydatid cyst before and after rupture into bronchial system, resultant tissue changes and discussion of surgical treatment, case report

Surgery
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Echinococcus, human hepatic abscessed cysts, assessment of size, character and surrounding changes by means of endoscopic retrograde cholangio-pancreatography before surgical intervention is attempted
Surgery
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human hepatic echinococcosis, surgical management

Surgery
Longo, O. F.; et al., 1974, Rev. Argent. Cirug., v. 26 (4), 57-59
human hepatic hydatid cysts with drainage into biliary tract, description of surgical management with cholecystectomy and cysto-jejunostomy, case reports: Cordoba, Argentina

Surgery
human hepatic echinococcosis, review of and commentary on current surgical methods of treatment, surgical case reports

Surgery
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human spinal echinococcosis, discussion of surgical removal of spinal cysts, 2 case reports

Surgery
Wuchereria bancrofti, Brugia malayi, humans, advances in surgical treatment of filariasis with emphasis on elephantiasis and chyluria

Surgery
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human hepatic echinococcal cysts, Tom-That Tung method of cyst resection, application to other hepatic surgery

Surgery
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hepatic echinococcal cysts, human, diagnosis and surgical management of cysts that rupture into bile ducts, case reports

Surgery
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Taenia solium, human (eye), removal of cysts by pars plana vitrectomy: central Pennsylvania

Surgery
Habronema sp. larvae, horses (legs, nares), cryosurgical treatment (double freeze-thaw cycle), good results

Surgery
human hepatic echinococcal cysts, review of currently used surgical treatment methods

Surgery
schistosomiasis, human, complicated by portal hypertension, differential diagnosis, methods of surgical treatment

Surgery
Ascaris, adult male removed from biliary tract of woman undergoing endoscopic examination for suspected gall bladder disease, condition improved after removal of worm

Surgery
human schistosomiasis mansoni with complicating portal hypertension, surgical treatment by splenorenal shunt

Surgery
Ascaris lumbricoides, woman, migration into common bile duct following cholecystectomy and T-tube choledochotomy, pre-operative vermifuge recommended

Surgery
human hepatic echinococcosis, difficulties involved in surgical treatment and management

Surgery
Panikarolvskii, V. V.; et al., 1976, Stomatology, Moskva, v. 55 (1), 1-4
Leishmaniasis, human, acute necrosing skin lesions, surgical removal at node stage gives better results than surgical treatment of ulcer stage

Surgery
Chagas disease, humans with advanced megasophagus, subtotal esophagostomy, new surgical technique: Brazil

Surgery
bilharziasis, human, chronic infections involving urinary tract, diagnosis, surgical repair of obstructions: South West Africa

Surgery
Chagas disease, humans with megasophagus, new surgical treatment

Surgery
echinococcosis, human hepatic cysts with complications involving other organs, symptoms, surgical management

Surgery
schistosomiasis mansoni with bleeding esophageal varices, procedure for embolization of left gastric vein

Surgery
patients with schistosomiasis found to have subnormal levels of metal ions, recommendation that preoperative and postoperative monitoring of metal ions (particularly zinc and magnesium) should be considered in infected patients undergoing major surgery under ether anesthesia
Surgery
Reventos, J.; et al., 1976, Surg., Gynec. and Obst., v. 143 (4), 570-574
hepatic echinococcosis with intrathoracic involvement, human, radiodiagnosis, surgical management

Surgery
human echinococcosis of liver and spleen, study of angiographic changes in cysts, use in localizing cysts and in planning surgical approach for removal

Surgery
human echinococcal cysts, new approach to surgical management

Surgery
Echinococcus alveolaris, human hepatic infection, case reports, difficulties of surgical resection when jaundice is present

Surgery
human schistosomiasis, comparison between splenorenal anastomosis and splenectomy as treatment for portal hypertension of schistosomal origin, mortality and incidence of gastrooesophageal hemorrhage

Surgery
Ascaris lumbricoides, persistent biliary ascariasis in 8-year-old girl, worm removed successfully through duodenum by endoscopy: South Africa

Surgery
biliary ascariasis, children, diagnosis, evaluation of therapy, and removal of worms from biliary system using cholangiography and duodenoscopy, alternative to surgery

Surgery
fulminating amoebic colitis, humans, indications for surgical intervention, surgical management, case reviews

Surgery
Habronema, horses, surgical removal of affected urethral process

Surgery
human hepatic echinococcosis, Lagrot surgical method evaluated and compared with other types of surgical treatments

Surgery
heartworm, dog (eye), successful surgical removal

Surgery
Tsakayannis, E.; Pappis, C.; and Moussatos, G., 1970, Surgery, St. Louis, v. 68 (2), 379-382
hydatid disease of lung, children, conservative surgical procedures, indications for surgery in intact or ruptured cysts, review of 70 cases: Greece

Surgery
Schistosoma mansoni, humans with portal hypertension resulting from hepatosplenic involvement, comparison of diagnostic X-ray films done arterially with those done during splenorenal anastomosis

Surgery
Yacoubian, H. D., 1976, Surgery, St. Louis, v. 79 (5), 544-548
hydatid cysts involving dome of liver, humans, thoracic complications, surgical management, case reports: Lebanon

Surgery
Dipetalonema evansi, camels, filarial orchitis and possible significance as prevalent reproductive disease: surgical treatment and use of neosulversan, fouadin, and neguvon, histopathology of gonads: Egypt

Surgery
opisthorchosis, humans, diagnosis, surgical management, importance of patient history in differentiating from other surgical emergencies, case reports

Surinam
parasitic mites of Surinam, host-parasite list, key to genera and species

Surinam
human intestinal helminths, survey in rural Surinam (Schistosoma mansoni; hookworm; Strongyloides stercoralis; Ascaris lumbricoides; Trichuris trichiura)

Survival and viability. [See also Age; Longevity; Overwintering]
Survival and viability
Trichinella spiralis larvae in experimentally infected swine meat, morphological changes and viability following freezing and cryodecimation

Survival and viability
Trypanosoma cruzi, parasite survival in frozen infected human plasma, implications for human plasma transfusions
Survival and viability
Andersen, F. L.; and Loveless, R. M., 1978, J. Parasitol., v. 64 (1), 78-82
Echinococcus granulosus, survival time of protoscolices of ovine origin stored at constant temperatures of -20 to 50 C, ability to survive extended periods of time after an infected sheep has died or been killed suggests that stringent preventive and control measures should be established in areas where hydatid disease is endemic

Survival and viability
Ansari, M. Z.; and Singh, K. S., 1978, J. Helminth., v. 52 (4), 283-286
Gaigeria pachyscelis, gamma-irradiation of infective larvae, no significant effect on in vitro survival, marked reduction in worm establishment in lambs with development of sterile and stunted worms, male larvae more sensitive to irradiation effects than female

Survival and viability
Arroyo, R.; and Morera, P., 1978, J. Parasitol., v. 64 (1), 146
Angiostrongylus costaricensis, survival time of first stage larvae in rat feces

Survival and viability
Haemonchus contortus, survival of third-stage larvae on irrigated vs. nonirrigated experimental pasture plots: Provo, Utah

Survival and viability
Trichuris suis ova in pig feces, development and survival on pasture plots: south of England

Survival and viability
Ostertagia circumcincta, ecology of free-living stages, development and survival on herbage and soil: western Victoria, Australia

Survival and viability
Trichostrongylus axei, ecology of free-living stages: development and survival of eggs and larvae, corresponding meteorological data: Pastoral Research Institute, Hamilton, Victoria, Australia

Survival and viability
Trichostrongylus vitrinus, development and survival of free-living stages, some corresponding meteorological data: western Victoria, Australia

Survival and oviposition
Campbell, A.; and Glines, M. V., 1979, J. Parasitol., v. 65 (5), 777-781
Haemaphysalis leporispalustris, development, survival, and oviposition at 5 constant temperatures

Survival and oviposition
Campbell, A.; and Harris, D. L., 1979, Environment. Entom., v. 8 (4), 734-739
Dermacentor variabilis females engorged on albino rats and wild-caught Erethizon dorsatum and Procyon lotor and held under series of constant laboratory temperatures or under fluctuating temperatures in grass and woodland conditions, daily oviposition and survival rates, viability of eggs, total number of eggs deposited

Survival and oviposition
Cerny, V.; and Wedrychowicz, H., 1976, Acta Parasitol. Polon., v. 24 (11-12), 185-190
4 sheep nematodes, in vitro survival of larvae exposed to UV irradiation, preliminary to immunization studies
Survival and viability
Boophilus microplus, attachment and survival of larvae on skin slices in vitro, influence of temperature, relative humidity, and host factors

Survival and viability
equine strongyles, free-living stages in feces and on pasture, seasonal changes in rates of development and survival: Moggill, Brisbane, Queensland

Survival and viability
Anaplasma marginale, Fluorescein diacetate viability-staining technique

Survival and viability
Anaplasma marginale, Fluorescein diacetate viability-staining technique

Survival and viability
Ostertagia, Trichostrongylus, Haemonchus, Nematodirus, sheep, development and survival of third-stage larvae on paddocks after summer and autumn contamination dependent upon ground temperature; overwintering of all four genera until start of next grazing season

Survival and viability
Sarcocystis fusiformis, viability in meat and meat products in relation to temperature and salting

Survival and viability
Anisakis simplex larvae, survival in salted-spiced herring and mackerel, depended upon concentration of salt used as well as period of storage in brine, recommendations to processing industry on proper processing

Survival and viability
Healy, J. A., 1979, Genetica, v. 50 (1), 19-30
Ixodes ricinus, polymorphism at α-glycero-phosphate dehydrogenase locus detected by electrophoresis, allele and genotype frequency patterns in natural tick populations, physiological and behavioral correlates of alternate genotypes (susceptibility to desiccation, locomotory efficiency), sex and locality differences, results provide evidence that polymorphism serves adaptive function and suggest factors that may be involved in selective maintenance of variability in natural populations: Ireland

Survival and viability
Hinton, H. E., 1977, J. Insect Physiol., v. 23 (7), 785-800
Haematopinus suis, functional significance of structures of eggshell, how egg maintains low equilibrium temperature in direct sunlight, brief complementary observations on other Anoplura and some Mallophaga

Survival and viability
Honzakova, E., 1971, Folia Parasitol., v. 18 (2), 155-159
ticks, survival, submerged in clear water, water containing litter, various temperatures, laboratory experiments

Survival and viability
Neoaplectana carpopcapsae, new storage methods, survival up to 19 months on moist filter paper, improved trapping techniques

Survival and viability
Dictyocaulus viviparus, calves, winter survival of infective larvae, decreased infectivity

Survival and viability
Iurgenson, I. A.; and Teplykh, V. S., 1971, Parazitologiia, Leningrad, v. 5 (2), 119-127
Ctenophthalmus orientalis, preimaginal phases, effect of temperature and relative humidity on survival and development

Survival and viability
Naegleria, viability of pathogenic strain in water media (public water supply, swimming-pool, inland lake) at various temperatures

Survival and viability
Vairimorpha necatrix (potential biological control agent), survival (infectivity) of spores exposed to sunlight, ultraviolet radiation, and high temperature, laboratory and field tests

Survival and viability
Khan, A. R., 1978, Canad. J. Zool., v. 56 (9), 2061-2063
Trypanosoma murmanensis, longevity in marine leech, Johanssonia sp., infection can persist through 5-6 host feedings, survival attributed to residual stages in proboscis

Survival and viability
Fasciola gigantica, survival of metacercariae on rice plants exposed to various room temperatures and relative humidities for varying lengths of time, infectivity to rabbits (exper.), significance in use of rice stems as cattle feed
Survival and viability
Schistosoma mansoni, survival time of male vs. female adult worms in 0.85% NaCl or phosphate-buffered saline

Survival and viability
Amphipsylla rossica, ecology, field and laboratory studies: feeding, reproduction, development, survival, and longevity under various conditions of temperature and humidity; age composition and physiological state of populations in different months; abundance on Microtus arvalis and in its nests and burrow entrances in different months: Transcaucasian highlands

Survival and viability
gastrointestinal nematodes, lungworms, sheep and cattle, survival of larvae on pastures

Survival and viability
Krivenko, V. V., 1979, Gig. i Sanitariia (4), 80-81
Opisthorchis eggs, survival in water and soil, influence of oxygen, chloride and hydrogen ions: Tiumensk region, Tiumensk oblast

Survival and viability
Spironucleus muris, faecal cysts, resistance to physical and chemical factors tested, data may be useful for control of infection in rodents and for cryopreservation of parasite

Survival and viability
Lengy, J., 1974, Israel J. Zool., v. 22 (2-4), 1973, 75-82
Strongyloides ratti filariform larvae, albino rats (exper.), viability and infectivity after exposure to various temperature regimes

Survival and viability
Cymamus scammoni, life cycle on gray whale, study of parasite reproduction during host migration periods, damage to host cutaneous tissue, ability to survive out of water for several days, comparisons with C. ceti and C. kessleri life cycles: off central California coast; shore station at Pt. San Pablo, California; Pt. Barrow, Alaska

Survival and viability
Romanomermis culicivorax as biological control agent of Culex quinquefasciatus, polluted water had little or no adverse effect on viability, infectivity, or development of nematode: Sanibel Island, Lee County, Florida

Survival and viability
Africana bufonis, in vitro survival with different pH values and at different temperatures

Survival and viability
Giardia, concentration and purification of cysts from feces, induction of and determination of factors involved in excystation, effect of various storage temperatures on survival as determined by cultural excystation method

Survival and viability
Mills, C. A., 1979, Internat. J. Parasitol., v. 9 (6), 603-608
Transversotrema patialense on Brachydanio rerio (exper.), host size (age) and parasite survival, (parasite) age- and density-dependent survival and reproduction, reinfection and transplantation experiments failed to provide evidence of host immunological responses

Survival and viability
Mizayans, A., 1971, Folia Parasitol., v. 18 (1), 93-95
Trichostrongylus axei, development and survival of free-living stages on grass plots during autumn: south-east England

Survival and viability
Haemonchus contortus, survival of infective larvae at various temperatures, laboratory conditions

Survival and viability
fish parasites, effects of salinity and temperature on development and survival of parasitic and free-living stages

Survival and viability
trichostrongylid eggs and larvae, occurrence in weaning cattle slurries stored in dung-steads vs. slatted floor units, egg viability: Ireland

Survival and viability
Trypanosoma brucei, changes in allantoid fluid composition during development of chick embryo that influence viability of parasite, increased phosphodiesterases main causal factor for disappearance of trypanosomes during embryonic development

Survival and viability
Nilova, G. N.; and Strel'nikova, L. V., 1974, Parazitologiya, Leningrad, v. 8 (5), 463-468
Plastophora schubergi, Nosema agrotidis, effect of ultraviolet radiation on viability of spores
Survival and viability
Nollen, P. M.; Samizadeh-Yazd, A.; and Snyder, D. E., 1979, J. Parasitol., v. 65 (5), 772-776
Philophthalmus spp., longevity and hatchability of miracidia, effects of salinity, pH, and temperature

Survival and viability
Ancylostoma tubaeforme, eggs and third-stage larvae, survival of desiccation under defined relative humidities at high temperatures in the laboratory

Survival and viability
Nwosu, A. B. C., 1979, J. Helminth., v. 53 (3), 223-228
Ancylostoma tubaeforme, 3rd stage infective larvae, relationship between neutral lipid depletion and longevity/survival, effect of various environmental stresses (temperature, pH, anaerobiosis)

Survival and viability
Oakley, G. A., 1979, Vet. Rec., v. 104 (23), 530-531
Dicyclocaulus viviparus, overwintering of larvae on pasture and survival until mid-summer without passage through grazing cattle, experimental trials

Survival and viability
Haemonchus contortus, factors influencing development and survival of larvae on pasture; rainfall appeared to be the most important: Ibadan, Western Nigeria

Survival and viability
Amblyomma americanum, oviposition behavior and larval longevity in 4 different habitats, preoviposition time and egg incubation temperature dependent

Survival and viability
Rhipicephalus appendiculatus, survival in relation to induced activity (stimulation by breathing on ticks or by warming them to 37°C) at varying intervals

Survival and viability
nematode eggs, effects of composting on viability of eggs recovered from compost material and soil beneath after 12-month period, recommended that kennel waste be subjected to slow combustion burning before disposal

Survival and viability
Anaplasma marginale, inability to survive natural winter conditions on Dermacentor andersoni-infested pastures in absence of infected cattle, results suggest that anaplasmosis can be eliminated in selected herds: Oregon

Survival and viability
Romanomermis sp., tolerance of pre-parasitic nemas and adults to different pH and salinity laboratory and field trials, limited utility as biological agent in polluted water

Survival and viability
Rep, B. H.; and Bos, R., 1979, Tijdschr. Diergeneesk., v. 104 (19), 747-758
Uncinaria stenocephala, dogs (exper.), worm population and topographical distribution in host intestine, prepatent and patent period, rhythm of daily worm-egg counts; egg and larval survival at low temperatures; natural infections in foxes and experimental cross-infections between dogs and foxes, epidemiological implications: Netherlands

Survival and viability
Psoroptes cuniculi populations from domestic rabbits, 2 strains, differences in body size and survival time in vitro of all developmental stages

Survival and viability
Cysticercus cellulosae in swine meat fragments, effect of refrigeration temperature and salt on viability

Survival and viability
Fasciola, survival of metacercariae encysted on rice straws and polyethylene sheets in field, infectivity to mice measured monthly: Sendai, northern Japan

Survival and viability
new technique for studying survival of helminth eggs in soil

Survival and viability
Fasciola, survival of metacercariae encysted on rice straws and polyethylene sheets in field, infectivity to mice measured monthly: Sendai, northern Japan

Survival and viability
Amblyomma americanum adults, molting time, overwintering survival, and longevity in selected woodlots: Cherokee Co., Oklahoma

Survival and viability
Heterakis gallinarum, Ganguleteraspis spumosa, sensitivity of eggs to Roentgen rays

Survival and viability
Smith, J. P., 1979, Southwest. Vet., v. 32 (1), 33-35
Ascaris suum eggs, viability for 12 months in non-aerated manure collection pits, hazards related to recycling

Survival and viability
Columbicola columbiae, survival at low temperatures
Survival and viability
Amidostomum anseris, development and viability of eggs and larvae during winter and early spring under field conditions: central Poland

Survival and viability
3 spp. of fishcestodes, seasonal changes in glycogen content of parasites and host tissues, seasonal changes in glycogen content of parasites; effect of environmental exposure to various temperatures on parasite glycogen content, motor activity, and duration of life; effect of starvation on glycogen content of parasite and host in aquariums at various temperatures

Survival and viability
cercariae of 3 marine species vs. a freshwater species, life span and behavior in relation to changes in salinity: Atlantic tidal region in Brittany, region of Le Tour du Parc, France; artificial reservoir in Forest of Paimpont near Rennes, France

Survival and viability
Trichomonas spp. of rodents, resistance to high and low temperatures

Survival and viability
Trichomonas vaginalis, survival in local thermal waters compared with survival in other media: Sarvar

Survival and viability
Fasciola hepatica metacercariae, longevity and infectivity in hay, effect of different methods of hay drying used in Poland, concluded that hay may contain infective metacercariae in spite of adequate drying methods, only proper management of green roughage makes it safe from infective forms of liver fluke

Survival and viability
Timchenko, A. D., 1972, Parazitologiala, Leningrad, v. 6 (6), 509-512.
Eimeria spp., survival of non-sporulated and sporulated oocysts on soil surface and at various depths under conditions prevailing in southern Ukraine during winter to spring period, implications for prophylaxis and control of coccidiosis

Survival and viability
endoparasites, pigs, origin and age of host, mixed infections, parasitological and pathological findings: Switzerland (Ascaris suum; Trichuris suis; Oesophagostomum spp.; Strongyloides ransomi; Eimeria debielecki; E. scabra; E. polita; E. perminuta; E. spinosa; Isospora suis; Balantidium coli)

Swimmer's itch. See Dermatitis, Trematoda.

Survival and viability
endoparasites, sheep, coprological analysis: Canton of Berne, Switzerland (Magen-Darm-Strongylden; Marshallagia marshalli; Nematomuris spp.; Strongylodes papillosus; Trichuris ovis; Skrjabinema ovis; Capillaria hovisi; Fasciola hepatica; Muelleria capillaris; Protostrongylus rufescens; Neostrongylus longibursatus; Cystocaulus crotatus; Bictocaulus filaria; Kojzidien, Eimeria arloingii; E. nina-kohyakimovae; E. faurei; E. parva; E. intricata; E. absata/granulosa)

Survival and viability
Fasciola hepatica eggs from bile of infected bovines, viability and survival as affected by in vitro development in outdoor temperatures: Valdivia, Chile

Survival and viability
Ascaris lumbricoides eggs, effect of humidity on embryonic development, rate of water loss during desiccation, effect of temperature on water loss

Survival and viability
Toxoplasma oocysts, No. 1 and Fukaya strains, effects of low temperature and dryness on viability

Survival and viability
Nematodirus spathiger eggs and larvae in water, dry, and in feces, effects of freezing or high temperatures

Sweden
Survey of intestinal parasites and other infectious diseases of young male immigrants from Turkey who now reside and work in Stockholm, Sweden (Entamoeba coli; Endolimax nana; Trichuris trichiura; Ascaris lumbricoides; Entamoeba histolytica; Iodamoeba butschlii; Entamoeba hartmanni; Taenia; Hymenolepis nana; Giardia lamblia; Chilomastix mesnili)

Switzerland
endoparasites, sheep, coprological analysis: Canton of Berne, Switzerland (Magen-Darm-Strongyliden; Marshallagia marshalli; Nematodurus spp.; Strongylodes papillosus; Trichuris ovis; Skrjabinema ovis; Capillaria hovisi; Ascaris lumbricoides; Moniezia benedeni; M. expansa; Dicrocoelium lanceolatum; Cystocaulus ocreatus; Protostrongylus rufescens; Neodimorylum linearis; Cystocaulus crotatus; Bictocaulus filaria; Kojzidien, Eimeria arloingii; E. nina-kohyakimovae; E. faurei; E. parva; E. intricata; E. absata/granulosa)
Symbiosis
Lom, J., 1971, Folia Parasitol., v. 18 (3), 197-205
Trichophrya piscium, fine structure in relation to fish host, feeding, attachment, ultrastructural evidence is in favour of ectocommensal nature of this protozoon

Syria
helminths of lambs: abattoir of Hama, Syria (Nematodirus oiratianus; Moniezia benedeni; Neosstrongylus linearis; Marshallagia marshalli; Ostertagia circumcincta; O. trifurcata; Haemonchus contortus; Trichostrongylus axei; Camelostongylus mentulatus; Trichostrongylus vitrinus; T. colubriformis; T. capricola; Nematodirus filicollis; N. spathiger; Moniezia expansa; Avitellina centripunctata; Thysaniezia giardi; Trichuris ovis; T. globulosa; T. skrjabini; T. gazellae; Cysticercus tenuicollis; Dictyocaulus filaria; Protostrongylus rufescens; Cystocaulus ocreatus; Muellerius capillaris; Echinococcus sp.)

Systematics. See Taxonomy.
Tagging. [See also Radioisotopes]

Tagging
Anisakis simplex in Salmo salar, parasite population genetics (acid phosphatase phenotypes), use as biological indicators of host stocks: Atlantic Ocean

Tagging
Anisakis simplex larvae in Salmo salar and Clupea harengus harengus, morphometric variations including influence of host sex and age, geographic variations, and worm population composition, use of morphometrics for biological tagging: North Atlantic

Tagging
Anisakis simplex in Salmo salar, sites of infection, prevalence, variation in mean numbers of larvae per fish in relation to host's sex, age, geographic locality, and year and season of capture; mean numbers as biological indicator of host stock composition: 14 sampling stations, North Atlantic

Tagging
Immunoelectron microscopic applications of ferritin-tagging, review with brief mention of Plasmoodium berghei and Trypanosoma brucei

Tagging
Aponomma hydrosauri, dispersal distance measured by host movement, tests with paint-marked and radio-marked Trachydosaurus rugosus: near Tickera, Yorke Peninsula, South Australia

Tagging
Coppedge, J. R.; et al., 1979, J. Econom. Entom., v. 72 (1), 40-42
Chloromyia flavinina, fluorescent sodium as dye for internally marking adults feeding on Screwworm Adult Suppression System units, excellent technique for evaluating relative effectiveness of various insecticides

Tagging
Cystidicola cristivomeri, presence in Salvelinus alpinus (swim bladder) as indicator of char feeding habits and as possible means of demonstrating that some char remain in lake for extended periods rather than migrating regularly to sea: Stanwell-Fletcher Lake, Somerset Island, N.W.T.

Tagging
Holmes, P. H.; et al., 1979, Immunology, v. 36 (3), 415-420
Trypanosoma brucei, method of labelling with [35S]-methionine, suitability for in vivo studies of immunological clearance, liver found to be principal site of phagocytosis in immune mice; method equally applicable to T. congolense

Tagging
Plasmoodium berghei, methods for obtaining radioactive labelled parasites during sporogony in Anopheles atroparvus (exper.), technique for study of relapse phenomena

Tagging
Kassim, O. O.; and Richards, C. S., 1979, J. Invert. Path., v. 33 (3), 385-386
Schistosoma mansoni, radioisotope labeling for differentiating between strains in individual Biomphalaria glabrata snails

Tagging
Eubothrium spp., fish, specificity, distribution, and habitat, life cycle, use as biological tag, review

Tagging
Kennedy, C. R.; and Hsu, K. C., 1979, J. Fish. Biol., v. 15 (2), 223-235
Eubothrium parvum in Mallotus villosus, distribution, incidence, intensity, seasonal changes in size and maturity, dispersion throughout its host populations (in relation to age and size; frequency distributions), possible use as biological tag: Barents Sea; Balsfjord, close to Lyngen Fjord, North Norway

Tagging
Ixodes persulcatus, radioisotope tagging, comparison of two techniques

Tagging
Makhovenko, E. T., 1972, Parazitologiia, Leningrad, v. 6 (4), 369-375
Salvelinus alpinus inhabiting different ecological niches, possible use of differences in parasite fauna between groups as biological tags: Lake Azabach'e, Kamchatka

Tagging
Ørbjerg Christensen, N., 1977, Tztschr. Para. sitesk., v. 54 (3), 275-279
Schistosoma mansoni, S. intercalatum, cercariae, technique for in vivo labelling with radioselenium, possible applications in cercarial ecology studies

Tagging
Pomphorhynchus laevis in Salmo salar, site and abundance in intestine, pathology, geographic distribution, incidence, intensity, sex, weight, and length of host, potential 'living tag' for defining stocks: West Bay, Galveston, Texas

Tagging
Prochristianella penaei in Penaeus aztecus, incidence and intensity, sex, weight, and length of host, potential 'living tag' for defining stocks: West Bay, Galveston, Texas
Tagging
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<td>Eimeria spp., method of sampling surface litter of commercial broiler houses for laboratory estimation of numbers of coccidial oocysts</td>
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<td>Schistosoma mansoni human, immunofluorescence and hemagglutination techniques used in serologic surveys, results compared with fecal egg counts, possible application of serologic tests to epidemiological surveys</td>
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<td>Justesen-van Sloterdijck, D. W., 1977, Acta Leidensia, v. 45, 61-66</td>
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Technique, Electron microscopic
Gorenflot, A.; et al., 1978, Ann. Pharm. Franc., v. 36 (5-6), 201-206
Plasmodium berghei, scanning electron microscopy, ion etching of mouse erythrocytes using a cathodic evaporator permits visualization of parasitic penetration of erythrocyte membrane by invagination
Technique, Electron microscopic
simple method of preserving nematodes for electron microscopy

Technique, Electron microscopic
Dirofilaria immitis microfilaria, heated centrifuge for orientation of electron microscope specimens for sectioning along specific axis

Technique, Electron microscopic
Soares, T. C. B.; and de Souza, W., 1977, Ztschr. Parasitenk., v. 53 (2), 149-154
Trypanosoma cruzi, Herpetomonas samuelpons-soai, fixation with glutaraldehyde-tannic acid for electron microscopy; structural details

Technique, Electron microscopic
Plasmodium lophurae, differentiation of parasite membrane, parasitophorous vacuole membrane, and duck erythrocyte membrane with cationized ferritin staining as an electron microscope cytochemical method

Technique, Electron microscopic
Trypanosoma brucei, T. cyclops, application of scanning electron microscopic techniques to study of trypanosome biology

Technique, Electrophoresis. See Electrophoresis.

Technique, Experimental hosts
Aitken, M. M.; et al., 1978, J. Comp. Path., v. 88 (4), 555-562
Fasciola hepatica, effects of flukes on response of rats to Salmonella dublin (lethal dose reduced; excretion of S. dublin enhanced and prolonged; infection persisted longer) were similar to those in cattle; similar effects not produced by Nippostrongylus brasiliensis

Technique, Experimental hosts
Dictyocaulus filaria, response of Suffolk lambs to escalating experimental infection, pattern of larval excretion in faeces and eosinophil counts approximated those seen in natural infection although exper. hosts were resistant to challenge infection

Technique, Experimental hosts
Anaplasma marginale-infected bovine erythrocytes, serologic and hematologic response of rabbits; rabbits not susceptible to A. marginale despite specific antibody production as measured by card and complement fixation tests, therefore can not be substituted for calf inoculation as a confirmatory test for anaplasmosis

Technique, Experimental hosts
Entamoeba histolytica, natural outbreak of amebic dysentery in colony of Atelis spider monkeys with severe hepatic abscesses in many, may provide valuable model host: primate colony, Patuxent Wildlife Research Center, Laurel, Maryland

Technique, Experimental hosts
Fasciola hepatica, mice of various strains, considerable differences in susceptibility and mortality among strains, problem in chemotherapeutic studies, attempt to find strain susceptible to infection but refractory to damage

Technique, Experimental hosts
Thelazia spp., direct inoculation to eyes of cattle, failure to establish infection

Technique, Experimental hosts
Plasmodium knowlesi infection in Macaca mulatta terminated by curative therapy and followed by P. cynomolgi infection greatly increases gametocyte infectivity of latter species

Technique, Experimental hosts
Plasmodium vivax, consecutive mosquito transmission from Aotus trivirgatus to A. trivirgatus

Technique, Experimental hosts
Babesia microti, rodent- and human-derived Long Island isolates in Mesocricetus auratus, course of infection, effect of splenectomy and inoculum size, pathogenesis

Technique, Experimental hosts
Opisthorchis viverrini-infected Syrian golden hamsters, liver histopathology, immunopathologic mechanisms may be important in pathogenesis, hamster is suitable model host

Technique, Experimental hosts
Bjorvatn, E.; and Neva, F. A., 1979, Experientia, v. 35 (4), 463-464
Anacylostoma duodenale, establishment of patent infection in infant rabbits

Technique, Experimental hosts
Leishmania tropica, newly isolated West African strain in several mouse strains, general course of infection, dose-response relationships, histopathology, specificity of lesions and evidence for dissemination of infection
Technique, Experimental hosts
Blair, L. S.; and Campbell, W. C., [1979], J. Parasitol., v. 64 (6), 1978, 1052-1034
Dirofilaria immitis, pre-cardiac stages in Mustela putorius furo, trials of avermectin B,a, mebendazole, and mebendazole, possible value of Dirofilaria-Mustela model for chemotherapy studies

Technique, Experimental hosts
toxoplasmosis, small animals, description of techniques for drawing blood samples; serologic testing for antibodies

Technique, Experimental hosts
Schistosoma mansoni, Cebus apella macrocephalus (exper.), fluctuations in numbers of eggs in feces, suitable experimental host

Technique, Experimental hosts
Leishmania b. braziliensis, hamsters (exper.), oxamniquine, basis for study of human Leishmania species

Technique, Experimental hosts
Bywater, J. E.; and Kellett, B. S., 1978, Infect. and Immun., v. 21 (2), 360-364
Encephalitozoon cuniculi, existence in specific-pathogen-free rabbit colony, small-sized samples failed to reveal presence of infection with low prevalence, organism probably present in original stock of unit, possibility of establishing Encephalitozoon-free colony by culling all positive reactors using India ink immunoreaction test, incidence (familial, sexual, and age-related) and possible routes of transmission

Technique, Experimental hosts
de Camargo, M. T.; and Krettli, A. U., 1978, J. Parasitol., v. 64 (5), 924-925
Plasmodium gallinaceum, Aedes fluviatilis as a new experimental host

Technique, Experimental hosts
Collins, H. T.; and Blair, L. S., 1978, J. Parasitol., v. 64 (1), 119-122
Dirofilaria immitis, successful experimental establishment of patent infections in Mustela putorius furo

Technique, Experimental hosts
Plasmodium fragile in Macaca mulatta as model system for study of malarial vaccines

Technique, Experimental hosts
de Carneri, I.; and Trane, F., 1976, Parasitologia, v. 18 (1-3), 13-18
Giardia muris, specific pathogen-free mice, experimental infection by oral administration of trophozoites, quantitative studies, model for drug screening

Technique, Experimental hosts
Dermatobia hominis, life cycle maintained under laboratory conditions, infection of rats for study of chemotherapeutics

Technique, Experimental hosts
Entamoeba histolytica, strain Eh1 isolated from woman with acute infection, virulence in laboratory animals and utilization in drug screening in hamsters

Technique, Experimental hosts
Chandler, F. W., jr.; Frenkel, J. K.; and Campbell, W. G., jr., 1979, Am. J. Path. (444), v. 95 (2), 571-574
Pneumocystis carinii pneumonia in immunosuppressed rat, animal model of human disease

Technique, Experimental hosts
Entamoeba histolytica, experimental muscular infection in hamsters, pathology, metronidazole trial; useful biological model, particularly for chemotherapy studies

Technique, Experimental hosts
Plasmodium fragile, successful continuous cultivation with rhesus monkey red blood cells using the Trager-Jensen method, availability of this parasite-monkey model would allow in vitro and in vivo study of immunologic responses in a more natural host

Technique, Experimental hosts
Echinococcus granulosus, mice and Meriones unguiculatus, effect of egg dose, host age, and host sex on susceptibility to primary infection, increased resistance with increased age but no differences with sex

Technique, Experimental hosts
Plasmodium fragile in Macaca mulatta as model system for study of malarial vaccines

Technique, Experimental hosts
Collins, W. E.; and Contacos, P. G., 1979, J. Parasitol., v. 65 (4), 609-612
Plasmodium simiovale, infection and transmission studies with Macaca mulatta and Anopheles spp.

Technique, Experimental hosts
Strongyloides ratti, rats, standardized techniques developed for maintenance of laboratory infections, strong active acquired immunity demonstrated
Technique, Experimental hosts
Plasmodium knowlesi infections in Saimiri sciureus (exper.), may prove to be suitable host for vaccine studies

Technique, Experimental hosts
Cornet, J. P.; et al., 1978, Cahiers O.R.S.T.O.M., s. Entom. Med. et Parasitol., v. 16 (1), 53-54
Amblyomma variegatum, Boophilus annulatus, B. decoloratus, inoculation of pregnant female mice with tick-egg emulsion induces resistance to ixovotoxin in their new-born offspring, technique permits inoculation of tick eggs into new-born mice without abnormal mortality rates, potential use in virus isolation

Technique, Experimental hosts
Wuchereria bancrofti, experimental transmission to Macaca spp., recovery of adult male and female worms, demonstration of patent infections

Technique, Experimental hosts
Trypanosoma gambiens, methods for mass preparation of crude antigen and exoantigen from Cricetomys gambianus (exper.)

Technique, Experimental hosts
Echinococcus granulosus of equine origin, serial passages of larval stages in mice, infection with protoscolices

Technique, Experimental hosts
De Rycke, P. H.; and Pennoit-De Cooman, E., 1978, Ztschr. Parasitenk., v. 57 (3), 251-254
Echinococcus granulosus of equine origin, serial passages of larval stages in mice, infection with sterile daughter cysts

Technique, Experimental hosts
Dirofilaria immitis-infected dogs with severe adverse reactions after diethylcarbamazine treatment, rapid and marked decrease in precipitating and reaginic antibodies, possible model for reactions in human filariasis

Technique, Experimental hosts
Plasmodium knowlesi in Macaca assamensis (exper.), possible alternate host for experimental studies

Technique, Experimental hosts
Hirstionyssus utahensis, unusual population buildups on Spermophilus lateralis in the laboratory, extensive hair loss on one animal, emphasizes necessity for disinfecting and quarantining wild rodents before introducing them into the laboratory

Technique, Experimental hosts
Echinococcus granulosus in Cavia cobaya (exper.) (omentum), various infection routes, potential laboratory host for immunological studies

Technique, Experimental hosts
El-Abdin, A. Z.; and Roushdy, M. Z., 1977, Egypt. J. Bilharz., v. 4 (2), 165-178
Schistosoma benamouium, optimum conditions for life cycle maintenance in Bulinus snails and laboratory mammals; hamsters more susceptible to infection than gerbils or mice

Technique, Experimental hosts
Plasmodium berghei in mice, 6 different host strains compared, course of infection, mortality patterns, parasitemia, pathological changes, host genetic variation, implications for laboratory model studies

Technique, Experimental hosts
[Trichostrogylyus], rabbits infected with sheep species as models for anthelmintic study, tests of nilverm, banninith-C, cupric carbonate

Technique, Experimental hosts
Facer, C. A.; et al., 1978, Exper. Parasitol., v. 44 (2), 249-261
Trypanosoma brucei, rabbits, renal pathology, glomerular changes result from deposition of soluble trypanosome immune complexes, tubular changes are typical of tissue ischemia, trypanosomiasis in rabbit could be valuable model

Technique, Experimental hosts
Fink, E.; and Schmidt, H., 1979, Tropenmed. u. Parasitol., v. 30 (2), 206-211
Trypanosoma brucei rhodesiense, EATRO 1989 strain in white mice induced chronic infection with meningoencephalitis similar to infection in humans, suitable model for studying human infection and screening drug compounds for activity during late stages of infections

Technique, Experimental hosts
Fascioloides magna, susceptibility of selected nonruminant mammalian hosts

Technique, Experimental hosts
schistosomes, rodents as laboratory hosts, review
Technique, Experimental hosts
Anaplasma marginale, cattle, exper. infection using infected blood inoculation along with splenectomy and/or antimalarial therapy; efficacy of various staining techniques

Technique, Experimental hosts
Schistosoma mansoni, technique for laboratory rearing of Biomphalaria glabrata

Technique, Experimental hosts
Grove, D. I.; Davis, R. S.; and Warren, K. S., 1979, Parasitology, v. 79 (3), 303-316
Brugia malayi, microfilaremia in mice as model for study of host response to microfilariae

Technique, Experimental hosts
Gutteridge, W. E.; Cover, B.; and Gaborak, M., 1978, Parasitology, v. 76 (2), 159-176
Trypanosoma cruzi, methods for isolation of blood and intracellular forms from rats and other rodents, preliminary studies on metabolism of these stages

Technique, Experimental hosts
Herman, S. M.; and Bachrach, W. J., Jr., 1978, J. Parasitol., v. 64 (5), 827-830
Himasthla quissetensis, successful infection of domestic chicks per cloaca using cercariae, growth, development, and site location (preference for ileum where worms grew and developed at rate comparable to those raised in gill, worms from bursa of Fabricius showed relatively little growth and exhibited gonadal atrophy in some cases)

Technique, Experimental hosts
Higby, G. C.; et al., 1979, Parasitology, v. 78 (2), 155-170
Nosema curnytremae derived from nematode larvae, propagation in abnormal (insect) hosts and in tissue culture

Technique, Experimental hosts
Naegleria fowleri, chick embryos are susceptible to infection and may represent useful host for experimental studies

Technique, Experimental hosts
Holbrook, T. W.; and Parker, B. W., 1979, Am. J. Trop. Med. and Hyg., v. 28 (6), 984-987
Naegleria fowleri incubated on chick embryos, effects of embryo age and temperature on maintenance, infectivity maintained after 25 serial passages

Technique, Experimental hosts
Irvin, A. D.; et al., 1977, Tropenmed. u. Para
ditol., v. 28 (4), 507-512
Theileria parva, mice, pioplasminfection of erythrocytes following intraperitoneal inoculation with irradiated cultures of infected bovine lymphoid cells, infection could not be transmitted to cattle using Rhipicephalus appendiculatus

Technique, Experimental hosts
Babesia divergens, B. major, attempt to infect mice (nu/nu, nu/+, nu/nu splenectomized, and Lasat), neither parasite became established, B. divergens persisted up to 10 days, B. major lasted only 1 day, B. divergens persisted longer in splenectomized mice but absence of thymus made no apparent difference

Technique, Experimental hosts
Jennings, F. W.; et al., 1978, Research Vet. Sc., v. 25 (3), 399-400
Trypanosoma congoense, T. brucei, survival time of various strains of mice, CS7 RI mouse might provide laboratory model for study of trypanotolerance in cattle

Technique, Experimental hosts
Jervis, H. R.; and Takeuchi, A., 1979, Am. J. Path. (440), v. 94 (1), 197-200
Entamoeba histolytica, germfree guinea pigs, pathological changes, usefulness as an animal model

Technique, Experimental hosts
Johnson, A. M.; McDonald, P. J.; and Neoh, S. H., 1979, Internat. J. Parasitol., v. 9 (1), 55-56
Toxoplasma gondii, RH strain, method for obtaining maximum yield of tachyzoites from peritoneal cavity of infected mice, host does not mount detectable humoral response to the parasite

Technique, Experimental hosts
Johnstone, C.; Leventhal, R.; and Soulsby, E. J. L., [1979], J. Parasitol., v. 64 (6), 1978, 1015-1020
Ascaris suum, CS7BL/6 mice, centrifugation method for recovering tissue larvae is superior to both Baerman and tissue digest methods, use of this method in evaluating this mouse strain as model for study of immune resistance to infection

Technique, Experimental hosts
Kaliakin, V. N.; and Slepchenko, A. R., 1971, Parasitologia, Leningrad, v. 5 (6), 559-562
Encephalitozoon cuniculi, mice of several strains and substrains, no natural infections found, susceptibility to experimental infection, parasite virulence increases with mouse passage

Technique, Experimental hosts
Kilgore, R. L.; et al., 1979, Poultry Science, v. 58 (1), 67-71
Eimeria spp., chickens, floor-pen trials evaluating 4 methods of induced exposure to coccidiosis suitable for use in drug research operations, laboratory sporulated oocysts spread over litter most satisfactory method
Technique, Experimental hosts
Schistosoma mansoni-Toxoplasma gondii concomitant infections, mice, Schistosoma-Toxoplasma order of infection caused massive mortality, great weight loss and striking splenomegaly, Toxoplasma-Schistosoma order caused few notable effects

Technique, Experimental hosts
Alveococcus multilocularis and Echinococcus granulosus in Phodopus sungorus cambellii as laboratory model

Technique, Experimental hosts
Kumar, V.; et al., 1979, Ann. Parasitol., v. 54 (3), 331-339
Dictyocaulus viviparus, effect of immunosuppressive therapy on course of development in guinea pigs

Technique, Experimental hosts
Schistosoma mattheei, Papio cynocephalus as satisfactory experimental host

Technique, Experimental hosts
Schistosoma intercalatum, successful experimental infection of Pan troglodytes and Hylobates lar, possible use as laboratory hosts

Technique, Experimental hosts
Kuntz, R. E.; et al., 1978, Internat. J. Parasitol., v. 8 (1), 65-68
Schistosoma intercalatum in Erythrocebus patas (exp.), high compatibility for parasitism, high egg production, most eggs deposited in large intestine but elicit slight pathology, no pathologic involvement of urinary bladder

Technique, Experimental hosts
Kuntz, R. E.; et al., 1979, Internat. J. Parasitol., v. 9 (3), 213-220
6 schistosome species, susceptibility of Saimiri sciureus (exp.)

Technique, Experimental hosts
Schistosoma haematobium-infected squirrel monkey as laboratory host, pathology, tissue egg deposits, general disease conditions

Technique, Experimental hosts
Langhorne, J.; and Cohen, S., 1979, Parasitology, v. 78 (1), 67-76
Plasmodium knowlesi in Callithrix jacchus investigated, possible model for immunological studies, course of infection, differential susceptibility, resistance to challenge infection

Technique, Experimental hosts
Le Bars, H.; and Banting, A. de L., 1979, Med. & Chir. Digest., v. 8 (5), 435-441
Fasciola hepatica, exper. infection in rabbits, sheep, and cattle, variations in blood parameters that reflect alterations in liver function compared with normal values in order to establish standards for studying toxicity of flukicides

Technique, Experimental hosts
Babesia divergens, successful experimental infection of Meriones unguiculatus by intra-peritoneal inoculation of infected bovine blood, parasite is then transmissible to further gerbils and can be used to infect splenectomised calves once again after 2 gerbil passages

Technique, Experimental hosts
Trypanosoma rhodesiense-infected rats, proliferative glomerulonephritis, hypocomplementemia, nucleic acid antibodies, feasibility of rat as model host

Technique, Experimental hosts
Lowrie, R. C., jr.; Eberhard, M. L.; and Orihel, T. C., [1978], J. Parasitol., v. 64 (6), 1978, 1003-1007
Tetrapetalonema marmosetae, development to infective stage in Culicoides hollensis and C. furens (thoracic flight muscles) (both expr.), results suggest species of Culicoides are probable natural vectors and also open way for laboratory maintenance of this parasite

Technique, Experimental hosts
Schistosoma mansoni-infected rhesus monkey, experimental animal model for dialyzable transfer factor

Technique, Experimental hosts
Babesia equi, failure to transmit in laboratory animals

Technique, Experimental hosts
Brugia pahangi-infected Mesocricetus auratus (exp.), greater susceptibility of PD-4 inbred hamsters than of outbred

Technique, Experimental hosts
Fasciola gigantica, rabbits and guinea pigs, mortality, susceptibility, prepatency, and worm recovery, rabbits slightly more resistant than guinea pigs

Technique, Experimental hosts
Mangold, B. L.; and Knopf, P. M., 1978, J. Parasitol., v. 64 (5), 813-821
Schistosoma mansoni, recovery of schistosomula from lungs of normal and resistant rats was dependent upon assay conditions employed (incubation medium, incubation time, perfusion procedure), optimal assay conditions established
Technique, Experimental hosts
Trypanosoma brucei gambiense, susceptibility of Mastomys natalensis, suitable experimental host for isolation of strains of subgenus Trypanozoon and for differentiation of these strains in blood incubation infectivity test

Technique, Experimental hosts
immunological and 'para-immunological' responses to infection with metazoa and protozoan parasites in mouse models, extensive review

Technique, Experimental hosts
Leishmania mexicana amazonensis and L. b. brasilienensis in Microtus agrestis and Clethrionomys glareolus, may be more useful as exper. hosts for study of visceral and cutaneous leishmaniasis than conventional laboratory rodents

Technique, Experimental hosts
Moulton, J. E.; and Stevens, D. R., 1978, Am. J. Path. (433), v. 91 (3), 693-699
Trypanosoma brucei, Peromyscus maniculatus as laboratory model for human disease, review

Technique, Experimental hosts
Murrell, D.; et al., 1979, J. Parasitol., v. 65 (5), 829-831
Schistosoma mansoni, influence of mouse strain on induction of resistance with irradiated or unirradiated oocysts, sterilization by autoclaving and enzyme linked immunosorbent assay tests

Technique, Experimental hosts
Dipetalonema viteae-infected Mesocricetus auratus, kinetics of infections established by surgical implantation of adult worms

Technique, Experimental hosts
Entamoeba histolytica, exper. infected Mesocricetus auratus, measurement of serologic responses using indirect hemagglutination and enzyme linked immunosorbent assay tests

Technique, Experimental hosts
Eimeria stiedae, E. intestinalis, standard rabbit diet heavily contaminated with oocysts, sterilization by autoclaving and irradiation was satisfactory for elimination of oocysts from diet but pelleting even at 68° was unsatisfactory

Technique, Experimental hosts
Leishmania tropica, albino hairless Mus musculus is suitable laboratory animal for studying experimental cutaneous leishmaniasis, several animals also developed generalized leishmaniasis

Technique, Experimental hosts
Payne, W. L.; and Jackson, G. J., 1978, J. Parasitol., v. 64 (1), 44
Angiostrongylus cantonensis, reasons for not using commercially available food snails as laboratory hosts

Technique, Experimental hosts
Echinococcus granulosus of equine origin, serial passages of larval stages in mice, infection with small sterile secondary cysts

Technique, Experimental hosts
Leishmania mexicana mexicana, Mastomys natalensis readily infected and could serve as useful laboratory host for immunological and chemotherapeutic studies

Technique, Experimental hosts
[Strongylata] eggs, sheep (feces), attempts to infect laboratory animals, only [Trichostrongylus] in rabbits successful, possible laboratory model

Technique, Experimental hosts
Leishmania tropica major, experimental cutaneous leishmaniasis, anergy and allergy in cellular immune response during non-healing infection in different strains of mice

Technique, Experimental hosts
Przyjalkowski, Z.; and Gorecka, T., 1976, Acta Parasitol. Polon., v. 24 (1-10), 57-177
Angiostrongylus cantonensis in germfree and conventional mice, establishment and migration, packed cell volume and differential white blood cell counts, in neither hosts did parasites reach maturity

Technique, Experimental hosts
Raillietiella gehyrae from Calotes versicolor (lungs), description, male and female reproductive systems, genome is 4 and somatic chromosome number is 8, transplantation to Rana hexadactyla (convenient laboratory host for short-term observations): Kerala, India

Technique, Experimental hosts
sporozoite-induced Plasmodium berghei in mice, development of high volume tissue schizontocidal drug screen based upon mortality of infected mice

Technique, Experimental hosts
Giardia muris, course of infection in inbred mouse strains and in nude mice, susceptibility to re-infection in inbred strains, cell and serum transfer studies in nude mice, small bowel morphology in infected mice, potential use of this Giardia model
Technique, Experimental hosts
Trypanosoma congolense, isolation and purification: methods for reducing peripheral distribution of trypanosomes, for increasing yield of infected blood from each rat, and for selectively lysing erythrocytes; latter 2 methods are equally applicable to T. brucei

Technique, Experimental hosts
Rothwell, T. L. W.; et al., 1978, Parasitology, v. 76 (2), 201-209
Trichostrongylus colubriformis, guinea pigs, establishment of two lines differing significantly in susceptibility to infection, difference probably based on genetically determined differences between ability of members of each line to bring about immune expulsion of parasite

Technique, Experimental hosts
Shad, G., 1979, J. Parasitol., v. 65 (3), 430-433
Babesia microti, susceptibility of 5 strains of mice to parasites of human origin

Technique, Experimental hosts
Saenger, I.; and Laemmler, G., 1979, Tropenmed. u. Parasitol., v. 30 (1), 81-87
Dipetalonema viteae in Mastomys natalensis (exper.), quantitative aspects of infection, prepatent period, level and duration of microfilaraemia, and recovery rate of adult parasites

Technique, Experimental hosts
Saenger, I.; and Laemmler, G., 1979, Tropenmed. u. Parasitol., v. 30 (1), 53-66
Muellerius capillaris in Cepaea nemoralis (exper.), exposure period, developmental period from lst to 3rd stage larvae, individual exposure vs. mass exposure, superinfections, infectivity following storage below freezing-point, localization of larvae, host cellular reaction

Technique, Experimental hosts
Ancylostoma duodenale, maintenance through 6 generations in helminth-naive pups

Technique, Experimental hosts
Plasmodium falciparum and P. vivax in Aotus trivirgatus griseimembra, courses of untreated infections, in-depth characterization

Technique, Experimental hosts
Plasmodium falciparum and P. vivax in Aotus trivirgatus griseimembra, responses of established infections to chloroquine, quinine, and pyrimethamine

Technique, Experimental hosts
Plasmodium falciparum and P. vivax in Aotus trivirgatus griseimembra, methods employed in search for new blood schizonticidal drugs

Technique, Experimental hosts
Nippostrongylus braziliensis, migratory phase, white mice, 16 anthelmintics tested, model for larval nematode treatment studies

Technique, Experimental hosts
Litomosoides carinii, quantitative transmission to un-irradiated and irradiated golden hamsters and white mice, both species highly susceptible but mice were poor hosts, some age resistance or young susceptibility in hamsters, duration and intensity of microfilaraemia higher in hamsters

Technique, Experimental hosts
Schistosoma mansoni in Cebus apella, course of infection, response to repeated challenges; suitable model

Technique, Experimental hosts
Sogandares-Bernal, F.; and Chandler, J., 1978, J. Parasitol., v. 64 (3), 547-548
Haemobartonella muris infections of laboratory mice as problem in routine passage of trypanosomes, method devised to remove most of Haemobartonella from donor blood sample to be transferred to recipient

Technique, Experimental hosts
Stevens, D. P.; and Robert-Thomson, I. C., 1979, Am. J. Path. (429), v. 90 (2), 529-532
Trypanosoma cruzi, rhesus monkey infected for 29 years, detection of tissue-reacting antibodies similar to those described in human Chagas' disease

Technique, Experimental hosts
Tadros, W.; and Siddiqui, W., 1979, Am. J. Trop. Med. and Hyg., v. 27 (4), 832-834
Trypanosoma cruzi, rhesus monkey infected for 29 years, detection of tissue-reacting antibodies similar to those described in human Chagas' disease

Technique, Experimental hosts
Lithomosoides carinii-infected cotton rats, improved method for intrapleural injection of anti-filarial drugs to evaluate macrofilaricidal action

Technique, Experimental hosts
Plasmodium falciparum, in vitro mitogen responses of spleen and peripheral blood lymphocytes from infected Aotus trivirgatus griseimembra

Technique, Experimental hosts
Taylor, D. W.; and Siddiqui, W. A., 1979, J. Parasitol., v. 65 (2), 267-271
Plasmodium falciparum, susceptibility of Aotus trivirgatus in relation to geographic origin, phenotype, and karyotype

SUBJECT HEADINGS
Technique, Experimental hosts
Thomas, H., 1970, Tropenmed. u. Parasitol., v. 30 (2), 170-173
Dipetalonema vitei, exper. infection of Ornithodoros moubata with microfilariae, advantages of method described compared with using natural tick infections

Technique, Experimental hosts
Thomas, H.; and Meister, G., 1979, Tropenmed. u. Parasitol., v. 30 (3), 170-173
Dipetalonema vitei, new cheap and time saving method to detect microfilariae in peripheral blood of Mastomys natalensis

Technique, Experimental hosts
Angiostrongylus cantonensis, Pila ampullacea (exper.), method of introducing larvae to individual snails to make possible quantitative evaluation of worm recovery, distribution of infective stages within snail, dose of infection, and age of snails (which may affect host susceptibility) are analyzed

Technique, Experimental hosts
Giardia lamblia, experimental infection in weanling Swiss mice

Technique, Experimental hosts
Schistosoma mansoni, simple restraining case for exposing mice to schistosome cercariae

Technique, Experimental hosts
Walzer, P. D.; Powell, R. N., jr.; and Yoneda, K., 1979, Infect. and Immun., v. 24 (3), 939-947
Pneumocystis carinii, cortisonized mouse as experimental model for pneumocystis pneumonia, host strain differences

Technique, Experimental hosts
Dirofilaria immitis, efforts to rear mosquitoes for production of infective larvae, extremely high rate of mosquito mortality, concluded that Aedes taeniorhynchus, A. aegypti, A. quadriraculatus, and Culex quinquefasciatus are not efficient as experimental vectors

Technique, Experimental hosts
Brugia pahangi, rats, sequential changes in cell-mediated immunity studied by following in vitro lymphocyte blastogenesis to filarial stage-specific antigens and to B- and T-cell mitogens using acute and chronic infection, possible model for immunological studies of filarial infections

Technique, Experimental hosts
Wilson, H. R.; and Childs, G. E., 1979, Exper. Parasitol., v. 47 (2), 270-283
Leishmania braziliensis and L. mexicana in Mesocricetus auratus (exper.), effect of certain inoculation conditions on incubation period and development of cutaneous lesions (site and route of inoculation, amastigotes vs. promastigotes as inocula)

Technique, Experimental hosts
Angiostrongylus cantonensis, development in Meriones unguiculatus and Praomys natalensis compared for determining suitable laboratory model

Technique, Experimental hosts
Zielke, E., 1979, Tropenmed. u. Parasitol., v. 30 (2), 163-169
Brugia malayi, Meriones unguiculatus used in model system for establishing patterns of microfilaremia and increasing infection rates of microfilariae in peritoneal cavity

Technique, Experimental hosts
Toxocara canis, histopathology in mice

Technique, Fecal examination
Akahane, H.; et al., 1979, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 24 (2), 55-60
Fasciola sp. eggs in human feces, comparison of various pre-treatment and concentration techniques

Technique, Fecal examination
Akharuzzaman, K. M.; et al., 1978, Tropenmed. u. Parasitol., v. 29 (4), 427-431
comparison of different methods for detection of intestinal protozoa and helminths in human stool

Technique, Fecal examination
Necator americanus, Strongyloides stercoralis, humans, incidence; comparison of Harada-Mori, formalin-ether, and Hoffman methods for hookworm larvae identification: Pernambuco

Technique, Fecal examination
Schistosoma mansoni and other intestinal helminths, sedimentation method for counting eggs in feces, economical, simple and suitable for use in small laboratories

Technique, Fecal examination
Bartlett, M. S.; et al., 1978, J. Clin. Microbiol., v. 7 (6), 524-528
modified zinc sulfate flotation technique evaluated in comparison with formalin-ether concentration method for recovery of protozoan cysts and helminth eggs and larvae from feces preserved in formalin less than and longer than 1 month, results suggest that (except for schistosomes) F-ZnSO4 compares favorably to FE method for detecting infections of clinical significance

Technique, Fecal examination
intestinal bilharziasis, human, diagnosis, fecal examination, rectal biopsy
Technique, Fecal examination
intestinal helminths, humans, diagnosis, fecal examination by filtration technique, review

Technique, Fecal examination
copropscopic examination of sheep, extensive-ness of helminth infection in different host age groups and in different seasons of year, results compared with previously published post-mortem examinations of sheep in same area: Carpathian Mountains

Technique, Fecal examination
human intestinal parasites, recommendations that routine fecal analysis and quantification of helminth eggs should be carried out in order to differentiate minor infection from severe disease that will require therapy

Technique, Fecal examination
Schistosoma mansoni, improved thick-smear technique for fecal diagnostic examination, simple and reliable test for schistosomiasis and other helminth infections

Technique, Fecal examination
hookworms and other human helminths, diagnosis, Borda & Pellegro's technique vs. Stoll & Hausheer dilution

Technique, Fecal examination
Breza, M.; and Corba, J., 1976, Veterinarstvi, v. 26 (10), 453-455
fascioliasis, cattle, comparison of two new coprological techniques (sedimentation method and flotation-sedimentation method)

Technique, Fecal examination
Cotteleer, C.; and Famerree, L., 1975, Rev. Med. Liege, v. 30 (23), 823-828
intestinal parasites of man and carnivorous animals, fecal examination technique applicable to fatty fecal substances, results with various parasites discussed, emphasis on parasitic zoonoses

Technique, Fecal examination
Strongyloides stercoralis, humans, diagnosis, fecal examination, immunofluorescence, clinical aspects, review

Technique, Fecal examination
human intestinal parasites (especially Schistosoma mansoni), comparison of several fecal techniques used for diagnosis, concluded that Hoffman-Pons-Janer is most sensitive

Technique, Fecal examination
human intestinal parasites, comparison of Stoll and Kato methods of fecal egg counts for diagnosis; Stoll technique more sensitive for diagnosing hookworm but results were equal for other parasites

Technique, Fecal examination
Schistosoma mansoni, human, immunofluorescence and hemagglutination techniques used in serologic surveys, results compared with fecal egg counts, possible application of serologic tests to epidemiological surveys

Technique, Fecal examination
Paragonimus kellicotti, cats (exper.), clinical signs, clinicopathologic data, radiologic findings, fecal diagnosis, necropsy findings

Technique, Fecal examination
Dubey, J. P.; et al., 1979, Vet. Parasitol., v. 5 (4), 325-337
Paragonimus kellicotti, dogs (peritoneal cavity, pleural cavity, lungs) (exper.), migration and development, fecal diagnosis (sedimentation vs. McMaster technique), clinicopathological and hematologic data, radiologic findings, gross and microscopic pathology

Technique, Fecal examination
El Harouchi, M. S.; et al., 1978, Microvia, v. 4 (2), 57-67
intestinal parasites, concentration of eggs and cysts from fecal material, flotation technique, improved Faust reagent, non-corrosive and inexpensive for use in routine laboratory analysis

Technique, Fecal examination
Entamoeba histolytica, humans, review of currently available diagnostic methods (fecal examination, search for trophozoites in body exudates and fluids, seroimmunologic methods)

Technique, Fecal examination
Schistosoma mansoni, human hepatosplenic form, comparison of rectal biopsy and stool examinations for diagnosis

Technique, Fecal examination
human intestinal parasites, analysis of selected techniques for prevalence surveys, review of literature; Kato, Harada-Mori, merthiolate-iodine-formaldehyde, scotch-tape and egg-count techniques described
Technique, Fecal examination

Schistosoma mansoni, human, diagnosis, simple device for obtaining (without scales) a uniform weight of fecal sample for egg counts using the Kato thick smear technique

Technique, Fecal examination

Dicytocaulosis, sheep, rapid diagnosis, sedimentation and flotation methods of fecal examination

Technique, Fecal examination

Intestinal helminths, Microtus arvalis, fecal examination, Fulleborn flotation method evaluated under field conditions, useful in helminth population dynamics, not in diagnosis

Technique, Fecal examination

Intestinal parasites, human, diagnosis, Kato technique

Technique, Fecal examination

Krivanc, K.; Prokopic, J.; and Novakova, L., 1978, Veterinarstvi, v. 28 (9), 421-423
Nematodes, pigs, comparison and evaluation of various flotation solutions for fecal examination

Technique, Fecal examination

Entamoeba histolytica, epidemiologic investigations of suspected foci of human amoebiasis occurring in the United States from 1971-1974, findings suggest diagnostic problems and misdiagnosis, suggests that stool examinations be supplemented with serology and microscopic diagnosis

Technique, Fecal examination

Kutsumi, H.; Minai, M.; and Kajihara, N., 1979, Hokkaido Igaku Zassi (Hokkaido J. Med. Sc.), v. 32 (23), 902-904
Schistosoma japonicum, efficiency of merthiolate-iodine-formaldehyde-concentration technique for fecal examination, recovery of schistosome eggs used to assess current epidemiologic status in Kofu area, Japan

Technique, Fecal examination

Leonhard, G.; and Nickel, S., 1977, Monatsh. Vet.-Med., v. 52 (23), 902-904
New piacrylic counting chamber for determining helminth ova and coccidial oocysts in sheep and cattle faeces

Technique, Fecal examination

Eimeria tenella, efficiency of Seinhorst filter for recovery of oocysts from large quantities of feces as compared to 3 previously applied methods

Technique, Fecal examination

Entamoeba histolytica, usefulness of modified Stuart medium as transport medium for fecal samples and maintenance medium for laboratory strains (eliminates repeated subcultures)

Technique, Fecal examination

Melo, D. A., 1974, Rev. Patol. Trop., v. 3 (2), 41-42
Stool concentration techniques, study of screens commonly used to retain helminth eggs showed that ordinary gauze retained larger numbers of Ascaris lumbricoides eggs than did nylon screen

Technique, Fecal examination

Gastrointestinal helminths, collection technique based on continuous washing of fecal material

Technique, Fecal examination

Mohapatra, T. M.; et al., 1979, Tropenmed. u. Parasitol., v. 30 (1), 53-58
Entamoeba histolytica, humans with symptomatic and asymptomatic amoebiosis, comparative evaluation of parasitological and serological diagnostic techniques

Technique, Fecal examination

Human intestinal parasites, comparison of Kato and Hoffmann diagnostic methods; Kato method clearly superior only in detecting Trichocephalus trichiurus

Technique, Fecal examination

Giardia lamblia, human, comparative evaluation of diagnostic techniques (examinations of 3 stool samples, jejunal aspirate, and jejunal mucosal impression smears)

Technique, Fecal examination

Nitzulescu, V.; and Corijescu, V., 1975, Rev. Med. Vet., v. 22 (35-44), 423-440
Ascaris lumbricoides eggs than did nylon screen

Technique, Fecal examination

Nitzulescu, V.; and Corijescu, V., 1975, Rev. Med. Vet., v. 22 (35-44), 423-440
Ascaris lumbricoides eggs than did nylon screen

Technique, Fecal examination

Human intestinal parasitic diseases, summary of current diagnostic techniques

Technique, Fecal examination

Human intestinal parasitic diseases, summary of current diagnostic techniques

Technique, Fecal examination

Parasite egg count and detection technique, animal faecal material
Technique, Fecal examination
intestinal parasites, primary school children, prevalence survey using duplicated series of stool examinations by 5 different methods; serologic survey for invasive amoebiasis and schistosomiasis: Nairobi

Technique, Fecal examination
intestinal helminthiasis, humans, epidemiological survey and comparative study of fecal diagnostic methods: Haiti

Technique, Fecal examination
Rosabal Conejo, R., 1976, Rev. Med. Costa Rica, am. 43 (457), v. 55, 169-174
human intestinal parasites, diagnosis, comparison of Kato fecal examination method with that of the Richie method

Technique, Fecal examination
Schistosoma mansoni, human, 6 serologic tests evaluated by comparing their results with those of sensitive stool examination method, relationship between intensity of infection and sensitivity and specificity of serologic tests: Parcels de Boqueron, Puerto Rico

Technique, Fecal examination
Riley, N. G.; and Riley, J. F., 1978, Parasitology, v. 77 (1), 33-39
Entamoeba histolytica, human, diagnosis, comparison of microscopic, cultural, counterimmunoelectrophoresis, and indirect hemagglutination techniques

Technique, Fecal examination
nematodes, cattle, quantitative and qualitative diagnosis, fecal egg count vs. larval culture

Technique, Fecal examination
Shethan, D. J.; et al., 1979, J. Clin. Microbiol., v. 10 (2), 128-133
Entamoeba histolytica, human, diagnosis, comparison of microscopic, cultural, counterimmunoelectrophoresis, and indirect hemagglutination techniques

Technique, Fecal examination
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human intestinal parasites, diagnosis, modified Baermann's technique compared with standard diagnostic methods

Technique, Fecal examination
Giardia lamblia, human, practical, rapid, fecal diagnostic test

Technique, Fecal examination
human intestinal parasites, Kato thick smear technique superior to Stoll's method for quantitative estimation and determination of severity of infection

Technique, Fecal examination
helminth eggs, single, rapid, cheap and accurate method for recovery from human and animal feces, special reference to Schistosoma mansoni, possible application also to egg counts in research laboratories or for soil helminths

Technique, Fecal examination
Schistosoma japonicum, humans, diagnosis, comparative evaluation of quantitative stool examination vs. circumoval precipitin test using serum or eluate from blood dried on filter paper: Barrio San Antonio, Basey, Samar, Philippines

Technique, Fecal examination
Young, K. H.; et al., 1979, J. Clin. Microbiol., v. 10 (6), 852-853
parasites, ethyl acetate as satisfactory substitute solvent in formalin-ether sedimentation technique for fecal specimens

Technique, Fecal examination
gastrointestinal nematodes, sheep, comparison of two methods of fecal examination (Wetzel method (1951); Breza and Svarc method (1968))

Technique, Fecal examination
Schistosoma mansoni, human, diagnosis, standardization of new semi-quantitative egg hatching technique for use in fecal examination

Technique, Fecal examination
human intestinal parasites, description of simple method for recovery of eggs, larva and cysts from feces by concentration device, comparison with other methods of parasite recovery

Technique, Fecal examination
amoebiasis and other human intestinal parasites, persons returning from tropical countries, laboratory diagnostic problems, test recommendations: Poland

Technique, Gel diffusion. See Immunity, Precipitation.

Technique, Gel filtration. See Gel filtration.

Technique, Immunodiffusion. See Immunity, Precipitation.

Technique, Immuno-electrophoresis. See Immunity, Precipitation.
Technique, Immunofluorescence. See Immunofluorescence.

Technique, Immunological. See Immunity and its subdivisions.

Technique, Implantation. See Transplantation.

Technique, Isoelectric focusing. See Electrophoresis.

Technique, Laboratory hosts. See Technique, Experimental hosts.

Technique, Laboratory rearing of arthropods. See Technique, Rearing, Arthropoda.

Technique, Manuals and textbooks

Technique, Mass production, Nematoda. See Culture, Nematoda; Technique, Nematoda.

Technique, Mass production, Protozoa. See Culture, Protozoa; Technique, Protozoa.

Technique, Mass production, Trematoda. See Culture, Trematoda; Technique, Trematoda.

Technique, Microscopic. [See also Technique, Electron microscopic]

Technique, Microscopic
Densen, P.; et al., 1978, Infect. and Immun., v. 22 (1), 282-285
Schistosoma mansoni, demonstration of eosinophil degranulation on surface of opsonized schistosomules by phase-contrast cinemicrography

Technique, Microscopic
Schistosoma mansoni, anticholinergic drugs as inhibitors of labeling of parasite by a fluorescent derivative of acetylcholine, scanning microfluorimetric system

Technique, Mollusca. See Vectors, Mollusca.

Technique, Nematoda
Bird, A. F., 1979, J. Nematol., v. 11 (1), 103-105
method of distinguishing between living and dead nematodes by enzymatically-induced fluorescence

Technique, Nematoda
Brugia pahangi and other sheathed microfilariae, reproducible techniques for exsheathment in vitro under controlled conditions

Technique, Nematoda
Dictyocaulus viviparus, chamber method for cultivating uniformly infective larvae in faeces, method suited to mass breeding of D. viviparus as well as Trichostrongylidae larvae

Technique, Nematoda
Fagerholm, H. P., 1979, J. Parasitol., v. 65 (2), 334-335
Eustrongylides tubifex, length changes in individual nematodes when treated with different fixatives, method for determining length of live specimens

Technique, Nematoda
Neoaplectana carpopusae, N. glaseri, Heterorhabditis heliophilis, propagation (42 million per week) and storage using Amyelois transitella (exper.)

Technique, Nematoda
Octomomyomermis muspratti (=Reesistreps muspratti), possible biological control agent, preliminary studies on development of in vivo mass-rearing system

Technique, Nematoda
Romanomermis culicivorax, laboratory mass production for biological control, effects of host-parasite ratios and flooding patterns upon level of parasitism and total yield

Technique, Nematoda
Petersen, J. J., 1979, J. Invert. Path., v. 31 (1), 103-105
Octomomyomermis muspratti, effects of male/female ratios on mating and egg production, application of these findings may help obtain maximum laboratory production of this potential biocontrol agent of mosquitoes

Technique, Nematoda
Petersen, J. J., 1979, Southwest. Entom., v. 4 (1), 65-69
Romanomermis culicivorax, longevity of laboratory cultures extended by low temperatures, mass rearing techniques

Technique, Nematoda
Romanomermis culicivorax, mass production

Technique, Nematoda
Romanomermis culicivorax, modified rearing procedures, pH change

Technique, Nematoda
Ancylostoma caninum, Strongylus spp., methods and modified apparatus for studying in vitro feeding behavior and pharyngeal activity
Technique, Nematoda
Roman汞meris culicivorax parasitized by Catenaria anguillulae, disease controlled by rerating nematodes in water adjusted to a pH of 4.5

Technique, Nematoda
Verenchuk, G. V., 1972, Parazitologiia, Leninograd, v. 6 (4), 376-380
Neoapectina carpocapsae agriotos, mass rerating techiques

Technique, Parasite collection and recovery
Argulus coregoni, new method for catching fish louse, trapping free-living stage, growth patterns: Lake Malsjoen, Sor-Trondelag

Technique, Parasite collection and recovery
Babesia rodhaini, centrifugation times and speeds to obtain maximum yield of free parasites following passage of infected blood through sonic oscillation field, infectivity of free parasites in comparison to that of infected red blood cells

Technique, Parasite collection and recovery
Alvarenga, N. J.; and Brener, Z., 1979, J. Parasitol., v. 65 (5), 814-815
Trypanosoma cruzi, isolation of pure metacyclic trypanomastigotes from triatomine bugs by use of DEAE-cellulose column

Technique, Parasite collection and recovery
Schistosoma mansoni, mice, parasite migration studied by mathematical equations, moment of maximum parasite recovery, asynchronic development, quantitative aspects

Technique, Parasite collection and recovery
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Schistosoma mansoni, effect of gamma-irradiation at different dose rates on migration and survival of schistosomula in mice, comparison of 2 different techniques for recovery of parasites from the lungs

Technique, Parasite collection and recovery
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Sarcocystis recovered in beef from retail outlets by using a digestion technique

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human parasites, methods for collection and diagnosis: equatorial West Africa

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Braveny, I.; Winter, W.; and Fisko, R., 1978, Tropenmed. u. Parassitol., v. 29 (4), 432-434
Toxoplasma gondii, cultivation in human larynx carcinoma cells yielded 150-200 times the amount of inoculated Toxoplasmas within 2-3 days of culture inoculation

Technique, Parasite collection and recovery
Leishmania mexicana amazonensis, simple and rapid method for isolation of purified amastigotes using cellulose column

Technique, Parasite collection and recovery
Broce, A. B.; Davey, R. B.; and Snow, J. W., 1979, J. Econom. Entom., v. 72 (1), 115-118
Chochliomyia hominivorax-attracting survey units, use of plastic wicks as slow release mechanism for chemical attractant Swormlure-2

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Chochliomyia hominivorax, development of efficient wind-oriented trap for catching screwworm flies as they move upwind toward Swormlure-2 attractant, compared with standard blowfly trap

Technique, Parasite collection and recovery
Trypanosoma cruzi, large quantities of heavily parasitized blood for use in laboratory studies obtained by giving immunosuppressive drugs to infected adult dogs

Technique, Parasite collection and recovery
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nematodes, comparative efficiency of sampling tools and extraction methods for collecting from soil

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helminths in animal tissue, technique for collecting or counting using compression between plastic, useful in anthelmintic evaluation, mebendazole tested

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malaria, method for large-volume cultivation of parasites based on principle of Trager-Jensen culture method

Technique, Parasite collection and recovery
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Plasmodium berghei, isolation of parasites by hemolysin lysis of infected erythrocytes, evidence for parasite-specific hexokinase

Technique, Parasite collection and recovery
Chochliomyia hominivorax, sweptlure-2 baited traps for detection of native fly populations, trial survey, use in developing fly-release strategies: 12 south Texas counties

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Toxocara canis, new technique for recovery of eggs from soil
Technique, Parasite collection and recovery
Toxocara spp., prevalence and recovery of eggs from soil in public places, flotation technique: Kansas

Technique, Parasite collection and recovery
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Plasmodium chabaudi, method of merozoite isolation: release of merozoites from schizonts bound to immobilized concanavalin A

Technique, Parasite collection and recovery
Dictyocaulus viviparus, laboratory method for cultivating uniformly infective larvae in faeces, method suited to mass breeding of D. viviparus as well as Trichostongylidae larvae

Technique, Parasite collection and recovery
intestinal parasites, concentration of eggs and cysts from fecal material, flotation technique, improved Faust reagent, noncorrosive and inexpensive for use in routine laboratory analysis

Technique, Parasite collection and recovery
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Plasmodium 3 murine spp., density-gradient centrifugation in metrizamide for separating uninfected erythrocytes from erythrocytes containing parasites in different developmental stages

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Gigantobilharzia sp., probably n. sp., recovered from chickens (exper.) infected with cercariae from Melaniea tuberculata, morphology, description of modified perfusion apparatus designed to collect trematodes from veins of chickens: branches of River Nile, Assiut Governorate, Egypt

Technique, Parasite collection and recovery
Plasmodium berghei, successful method for obtaining suspensions of hepatocytes parasitized with viable infective exoerythrocytic schizonts from donor rats originally infected with sporozoites

Technique, Parasite collection and recovery
Dipetalonema streptocerca, recovery of intact male and female worms from fixed biopsy specimens of human skin using collagenase-digestion procedure, morphologic description of recovered worms

Technique, Parasite collection and recovery
Trichinella spiralis, comparative evaluation of 4 techniques for recovering trypanosomes from rat blood and of 5 methods of preparing antigen for use with complement fixation test using immune and convalescent sera of rabbits

Technique, Parasite collection and recovery
Wuchereria bancrofti, Dipetalonema perstans, microfilariae, humans, diagnosis, microhematocrit centrifuge technique for quick screening followed by thick and thin blood film staining for species identification

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Toxoplasma gondii, purification of trophozoites propagated in cell culture

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Amblyomma americanum, simplified carbon dioxide collection technique for recovery of live ticks

Technique, Parasite collection and recovery
biochemistry of parasitic protozoa, textbook: methodology; catabolism and generation of energy; nucleic acid metabolism; protein metabolism; lipid metabolism; biochemical mechanism of drug action; isolation of parasitic protozoa from infected animals; culture of parasitic protozoa

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Plasmodium vivax, separation of infected and uninfected mouse erythrocytes and isolation of free parasites by free-flow electrophoresis

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Trichinella spiralis, technique for recovery of larvae from frozen muscle samples

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Leucocytozoon smithi, isolation of gametocytes from whole peripheral turkey blood, Ficol density-gradient system

Technique, Parasite collection and recovery
Ornithodoros coriaceus, dry-ice (CO2) trap for efficient and economical collection
Technique, Parasite collection and recovery
Plasmodium lophurae, exoerythrocytic merozoites grown in embryonic turkey brain cells, purification by ion exchange column

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Plasmodium berghei, dye-labelling technique for sorting uninfected, singly infected, doubly infected, and more heavily infected red cells from mouse blood based on their DNA content

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Plasmodium berghei-infected red blood cells analyzed and sorted by flow fluorimetry with the DNA-binding dye 33258 Hoechst, possible applications in biochemical and immunochemical analyses and in clinical diagnosis

Technique, Parasite collection and recovery
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Babesia spp., analysis and sorting of red cells from infected mouse or calf blood by flow fluorimetry using 33258 Hoechst (DNA-binding fluorescent bisbenzimidazole dye)

Technique, Parasite collection and recovery
Plasmodium berghei, removal of leucocytes from red cells in infected mouse or calf blood, purification of schizont-infected cells

Technique, Parasite collection and recovery
Neoploptera carpopusae, new storage methods, survival up to 19 months on moist filter paper, improved trapping techniques

Technique, Parasite collection and recovery
Hsu, S. Y. L.; et al., 1979, Ztschr. Parasitenk., v. 59 (3), 235-243
Schistosoma mansoni, mice immunized with highly X-irradiated cercariae, lung recovery assay not suitable for measuring state of immunity in challenged mice

Technique, Parasite collection and recovery
Pneumocystis carinii; method for concentration and quantitation of cysts

Technique, Parasite collection and recovery
Hymenolepis nana, application of Ito's method to collection of early tissue stages from mouse intestine, development of infective cysticercoids

Technique, Parasite collection and recovery
Treichlen, S. B., 1972, Parazitologija, Leninograd, v. 6 (1), 35-44
method of recovering parasites from nasal cavities of young fish

Technique, Parasite collection and recovery
Ascaris suum, naturally passed eggs as source of infection in experimental ascariasis rather than eggs isolated directly from uterus of adult worms, eggs more fully developed, less sticky

Technique, Parasite collection and recovery
Johnstone, C.; Leventhal, R.; and Soulsby, E. J. L., [1979], J. Parasit., v. 64 (6), 1978, 1015-1020
Ascaris suum, C57BL/6 mice, centrifugation method for recovering tissue larvae is superior to both Baerman and tissue digest methods, use of this method in evaluating this mouse strain as model for study of immune resistance to infection

Technique, Parasite collection and recovery
Kanbara, H.; Fukuma, T.; and Nakabayashi, T., 1977, Biken J., v. 20 (3-4), 147-149
Trypanosoma cruzi, trypomastigote form, CM-cellulose separation from epimastigote and amastigote forms grown in fibroblast cell cultures; separable because of different surface character

Technique, Parasite collection and recovery
Kelly, J. F.; and Knell, J. D., 1979, J. Invert. Path., v. 33 (2), 652
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Technique, Parasite collection and recovery
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Eimeria spp., method of sampling surface litter of commercial broiler houses for laboratory estimation of numbers of coccidial oocysts

Technique, Parasite collection and recovery
Trypanosoma brucei, use of miniature anion-exchange/centrifugation technique to recover trypanosomes from tissue suspensions

Technique, Parasite collection and recovery
Eimeria tenella, efficiency of Seinhorst filter for recovery of oocysts from large quantities of feces as compared to 3 previously applied methods
Technique, Parasite collection and recovery
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Telorchis attenuatus, technique for periodic collection of emerging cercariae from snail hosts

Technique, Parasite collection and recovery
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Plasmodium berghei, DEAE-cellulose column procedure for separation of sporozoites from infected mosquitoes, technique permits preparation of cleaner suspensions of sporozoites than any previously described procedure

Technique, Parasite collection and recovery
2 simple methods for immobilizing cattle under field conditions for examination for ticks or other ectoparasites

Technique, Parasite collection and recovery
Mangold, B. L.; and Knopf, P. M., 1978, J. Parasitol., v. 64 (5), 813-821
Schistosoma mansoni, recovery of schistosomula from lungs of normal and resistant rats was dependent upon assay conditions employed (incubation medium, incubation time, perfusion procedure), optimal assay conditions established

Technique, Parasite collection and recovery
Mao, J. E.; et al., 1979, Bull. World Health Organ., v. 57 (1), 133-138
Plasmodium falciparum-infected erythrocytes from long-term culture, concentration and separation by gradient centrifugation

Technique, Parasite collection and recovery
Wuchereria bancrofti, Mansoniella ozzardi, higher concentrations of microfilariae in capillary blood from the ear lobe than from the finger, applications for microfilarial surveys: Haiti, Trinidad

Technique, Parasite collection and recovery
Meyler, K. B.; Miller, K. D.; and Kaneshiro, E. S., 1978, J. Parasitol., v. 64 (2), 380-385
Ascaris, isolation of eggs from sewage sludge material, modified zinc sulfate concentration method provides rapid and efficient technique

Technique, Parasite collection and recovery
Miller, F. W.; and Ilan, J., 1978, Parasitology, v. 77 (3), 541-565
Plasmodium berghei yoelii, isolation of ultra-structurally intact viable parasites free from detectable host ribosome contamination, isolation of ribosomes in high yield from these parasites, ribosomal RNA analysis

Technique, Parasite collection and recovery
Techniques used to separate cells and viruses reviewed and summarized (centrifugation, filtration, gel-filtration, counter-current distribution, chromatography), application to the isolation of trypanosomes discussed

Technique, Parasite collection and recovery
Moser, G.; et al., 1978, J. Protozool., v. 25 (1), 119-124
Plasmodium berghei, P. knowlesi, P. cynomolgi, purification of sporozoites by passage through DEAE-cellulose column, retention of ability to produce infection, to induce protective immunity, and to react with known antisera

Technique, Parasite collection and recovery
Trypanosoma cruzi, blood cultures using vacuum culture tubes, may be useful tool for parasite isolation in areas endemic for Chagas' disease

Technique, Parasite collection and recovery
Mrema, J. E.; et al., 1979, Bull. World Health Organ., v. 57 (1), 133-138
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Technique, Parasite collection and recovery
Wuchereria bancrofti, Mansoniella ozzardi, higher concentrations of microfilariae in capillary blood from the ear lobe than from the finger, applications for microfilarial surveys: Haiti, Trinidad

Technique, Parasite collection and recovery
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Plasmodium berghei, rapid large-scale isolations of sporozoites from infected mosquitoes, modification of discontinuous gradient technique

Technique, Parasite collection and recovery
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Wuchereria bancrofti var. pacifica, simplified methods for collecting larval forms, preparation for immunofluorescence
Technique, Parasite collection and recovery
Plasmodium falciparum, technique for separating viable schizont-infected red cells from human blood

Technique, Parasite collection and recovery
Leishmania donovani, isolation using 3 different culture media

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Toxoplasma gondii tachyzoites, filtration from mouse peritoneal exudate through cellulose powder

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Toxoplasma gondii, rapid method for isolating pure viable tachyzoites from peritoneal exudate and cell culture

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Trypanosoma gambiense, T. rhodesiense, detection in human blood using column separation and membrane filtration

Technique, Parasite collection and recovery
Dermacentor nuttalli, method of collecting larval ticks (using a drag-skin) for the purpose of studying territorial distribution: Koibai's steppe, Khakasskaia autonomous oblast

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Trypanosoma cruzi, purification by DEAE-cellulose column affects infectivity of blood forms

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helminth eggs, simple, rapid, cheap and accurate method for recovery of human and animal feces, special reference to Schistosoma mansoni, possible application also to egg counts in research laboratories or for soil helminths

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Microsporidia, brief summary of some laboratory and field techniques

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Pneumocystis carinii, new method of separating parasites from infected rat, human, and mouse lungs, adaptation of method for quantitation of parasite in lung tissue and for immunization of rabbits

Technique, Parasite collection and recovery
Anoplura, morphology, classification, epidemiology, collection, preservation, keys, hosts: Poland

Technique, Parasite collection and recovery
human intestinal parasites, description of simple method for recovery of eggs, larva and cysts from feces by concentration device, comparison with other methods of parasite recovery
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Malliphaga, morphology, classification, rearing, control, collection, preservation, keys, hosts: Poland

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Plasmodium, quick and easy method to determine sporozoite index in vector mosquitoes

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Biochemistry of parasitic protozoa, textbook: methodology; catabolism and generation of energy; nucleic acid metabolism; protein metabolism; lipid metabolism; biochemical mechanism of drug action; isolation of parasitic protozoa from infected animals; culture of parasitic protozoa

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Plasmodium berghei, removal of leukocytes from red cells in infected mouse blood, purification of schizont-infected cells

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Entamoeba histolytica, technique for demonstrating and measuring cytotoxic activity of cell-free extracts prepared from combined parasite strains

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Eimeria, use of commercial soft drinks as source of carbon dioxide for excystation of oocysts

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techniques used to separate cells and viruses reviewed and summarized (centrifugation, filtration, gel-filtration, counter-current distribution, chromatography), application to the isolation of trypanosomes discussed

Technique, Protozoa
Nosema eurytremae in Pieris brassicae (exper.), microinjection procedure for large-scale production of minimally contaminated spores

Technique, Protozoa
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technique for isolation of one protozoan species from others

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Plasmodium berghei, rapid method for concentrating and recovering spleen-derived schizont-infected erythrocytes

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Microsporidia, brief summary of some laboratory and field techniques

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Trypanosoma cruzi, saline extract of Rhodnius prolixus bugs added to insect-oriented culture medium, large increases in trypomastigote forms, useful for Chagas disease studies

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Theileria parva, induction of infective stages in salivary glands of infected unfed Rhipicephalus appendiculatus by exposure of ticks to high temperature, epidemiological significance
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Impact of Optimal Temperature for in vitro Rearing of Ixodes in Ireland.

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Coelioromyia hominivorax larvae: new liquid rearing medium, cost savings in sterile male release program.

Technique, Rearing, Arthropoda
Ornithodoros gurneyi: laboratory rearing technique, feeding and detaching, molting, development, mating and oviposition, reproductive diapause, effects of temperature, photoperiod, and pressure.

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Goodrich, B. S.; Murray, N. D.; and Holmes, P. R., 1978, Austral. Vet. J., v. 54 (10), 490-493
Ixodes holocyclus: establishment of laboratory colony capable of producing 3000 females annually, guinea pigs used for larval feeding and Perameles nasuta for nymphs and adults.

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Pediculus humanus humanus: selection of laboratory strain reared through several generations aimed at induction of resistance to DDT and lindane; resistance developed to DDT but not to lindane.

Technique, Rearing, Arthropoda
Ixodes ricinus: copulation, nutrition, and oviposition, rearing method, white mouse used for larvae and nymphs, rabbit and guinea pig for females, sex of nymphs determined successfully on basis of engorgement weight.

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Gasterophilus intestinalis: 3rd instars artificially removed from stomachs of horses at various times of year, viability and maturation potential, effect of holding temperature, humidity, and instar maturity on rate of development and percent pupation and eclosion.

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Technique, Rearing, Arthropoda
Ixodes ricinus: syringe technique for handling and applying ticks to their mammalian host.

Technique, Rearing, Nematoda
[See also Culture, Nematoda; Technique, Nematoda, etc.]

Technique, Sonication. See Sound.

Technique, Specimen preparation and preservation. [See also Freezing; Technique, Strains]

Technique, Specimen preparation and preservation
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Parasitic metazoa: reptiles and amphibians, relaxation and fixation techniques.

Technique, Specimen preparation and preservation
Microfilariae: technique for fixing, staining, and mounting in single operation in 3 to 7 minutes, single solution combines Hoyer's mounting medium and hematoxylin stain.

Technique, Specimen preparation and preservation
Cryopreservation of parasitic protozoa.

Technique, Specimen preparation and preservation
Trypansomoa rangeli: salivary glands and haemolymph of Rhodnius ecuadoriensis, successful preservation in liquid nitrogen, infective for mice after 30 days preservation, with subsequent normal cyclical transmission.
Technique, Specimen preparation and preservation
Schistosoma mansoni, technique for preparing high concentrations of eggs, miracidia, cercariae, and adults on permanent microscopic slides

Technique, Specimen preparation and preservation
preparation of parasites for identification and cataloging

Technique, Specimen preparation and preservation
Myxosporidia, glycerine-gelatin slides prepared without preliminary fixation followed by use of phase-contrast microscopy recommended as best method to use for identification

Technique, Specimen preparation and preservation
tapeworms, procedure for uncoiling small, weakly muscled, improperly fixed specimens

Technique, Specimen preparation and preservation
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hydatid cyst prepared by cryofracturing and freeze drying, as well as non-fractured tissue prepared by critical point drying, scanning electron microscopy

Technique, Specimen preparation and preservation
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Eustrongylides tubifex, length changes in individual nematodes when treated with different fixatives, method for determining length of live specimens

Technique, Specimen preparation and preservation
Trypanosoma cruzi, laboratory-reared Triatoma infestans, cryopreservation of infective stages within intact vector may be useful for storing laboratory-adapted strains and naturally infected vectors collected in field studies

Technique, Specimen preparation and preservation
Vairimorpha necatrix, mass production and storage methods

Technique, Specimen preparation and preservation
Plasmodium falciparum, continuous in vitro culture following deep-freezing of infected human blood

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Aegyptianella allatorum, cryopreservation does not affect ability to propagate in Argas walkerae

Technique, Specimen preparation and preservation
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Onchocerca spp., cryopreservation of microfilariae and subsequent development in insect host

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human malaria, technique for preparation of blood smears for parasite identification if patients are suspected of having Lassa fever or other highly infectious virus

Technique, Specimen preparation and preservation
parasitic protozoa, mixture of polyvinyl alcohol and Bouin's solution found to be satisfactory fixative and adhesive for smears, smears may be stored dry prior to staining with little apparent damage to protozoa

Technique, Specimen preparation and preservation
Neaoplectana caropcapseae, new storage methods, survival up to 19 months on moist filter paper, improved trapping techniques

Technique, Specimen preparation and preservation
Leishmania tropica major, optimum procedure for lyophilization of cultures

Technique, Specimen preparation and preservation
Plasmodium b. berghei, pyrimethamine-resistant strain preserved at very low temperature for 11 years, maintained virulence but lost drug resistance, gametocytogenesis increased, cyclical transmission was successful, parasites crossed blood-brain barrier indicating this strain could serve as laboratory model for P. falciparum cerebral malaria

Technique, Specimen preparation and preservation
Toxoplasma gondii, suggestions for improving immunodiagnostic tests, culture procedures and storage methods for laboratory studies

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Diplozoon spp., morphology of eggs and larvae, technique for hatching larvae and their impregnation by silver, distribution of ciliated cells and sensilla in larvae, possible use of egg and larval characters in species differentiation
Technique, Specimen preparation and preservation
Neoplectana caroppansae, N. glaseri, Hetero-
orhabditis heliothidis, propagation (42 million per week) and storage using Amyelois transitella (exper.)

Technique, Specimen preparation and preservation
Trypanosoma cruzi, technique for homoconcen-
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panosomes in instances of low parasitemia, more sensitive than thick smears, hemoculture and xenodiagnosis

Technique, Specimen preparation and preservation
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Marchiando, A. A.; and Duszynski, D. W., 1978, J. Parasitol., v. 64 (1), 163-164
Eimeria nieschulzi, two methods for prepa-
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Technique, Specimen preparation and preservation

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Miersch, R.; Vanderberg, J. P.; and Nawrot, R., 1978, J. Parasitol., v. 64 (1), 166-168
Plasmodium berghei, DEAE-cellulose column procedure for separation of sporozoites from infected mosquitoes, technique permits preparation of cleaner suspensions of sporozoites than any previously described procedure

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Technique, Specimen preparation and preservation
Toxoplasma gondii cysts in Mastomys nata-
elensis (brain), ultrastructure, freeze-etch technique makes possible a clearer descrip-
tion of membranes than thin-section and scanning electron microscopy

Technique, Specimen preparation and preservation
Giardia, concentration and purification of cysts from feces, induction of and deter-
mination of factors involved in excystation, effect of various storage temperatures on survival as determined by cultural excysta-
tion method

Technique, Specimen preparation and preservation
Michel, R.; et al., 1979, Ztschr. Parasitenk., v. 58 (3), 211-231
Toxoplasma gondii, fine-structure changes in trophozoites after deep-freeze preservation with dimethyl sulphoxide

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tective immunity, and to react with known antisera

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slide-mounting of Mallophaga and Anoplura, detailed description of Canada balsam tech-
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e Biol., v. 4 (3), 235-236
Schistosoma mansoni, technique for preserva-
tion of eggs in intestinal tissue in order to evaluate egg counts at later time, application to mass drug screening programs

Technique, Specimen preparation and preservation
Vairimorpha necatrix, storage of infective spores in antibiotic solution at 4°C

Technique, Specimen preparation and preservation
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parasitic protozoans, survival following prolonged storage in liquid nitrogen, some species successfully recovered after preservation for over 10 years

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Technique, Specimen preparation and preservation
device for maintenance of Taeniaryynchus saginatus eggs in liquid cow manure

Technique, Specimen preparation and preservation
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Anoplura, morphology, classification, epi-
demiology, collection, preservation, keys, b. Poland
Technique, Specimen preparation and preservation
Proleptus mackenziei sp. n., technique in handling relatively large and opaque nematodes

Technique, Specimen preparation and preservation
Mallophaga, morphology, classification, rearing, control, collection, preservation, keys, hosts: Poland

Technique, Stains
microfilariae, technique for fixing, staining, and mounting in single operation in 3 to 7 minutes, single solution combines Hoyer’s mounting medium and hematoxylin stain

Technique, Stains
Trichomonas vaginalis, women, diagnosis, new rapid staining technique, useful addition to wet-film and culture

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method of distinguishing between living and dead nematodes by enzymatically-induced fluorescence

Technique, Stains
Naegleria, child, rapid detection of trophozoites in spinal fluid stained with bacterial stains

Technique, Stains
Phocanema decipiens, isontophoretic cobalt staining of body wall, description of structure, discussion of possible functions

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Danforth, H. D.; Orjih, A. U.; and Nussenzweig, R. S., [1979], J. Parasitol., v. 65 (6), 1978, 1123-1125
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Trichromonas, fixation and staining, technique modification

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Donaldson, P.; et al., 1978, Stain Tech., v. 53 (4), 225-227
Plasmodium spp., diagnosis using borax methylene blue, spectroscopic and staining data

Technique, Stains
Anaplasma marginale, fluorescein diacetate viability-staining technique

Technique, Stains
protozoa, techniques for microscopic diagnosis

Technique, Stains
Anaplasma marginale, cattle, exper. infection using infected blood inoculation along with splenectomy and/or antimetabolite therapy; efficacy of various staining techniques

Technique, Stains
nitroblue tetrazolium test of limited diagnostic value in areas with high incidence of human intestinal parasites associated with Chagas disease or bilharziosis

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Plasmodium spp., rapid detection in blood smears by fluorescence microscopy with 4’6 diamidino-2-phenylindole; can also be used to stain Toxoplasma and microfilariae

Technique, Stains
Trichomonas vaginalis, staining of vaginal smears by fluochrome acridine orange, potential diagnostic use

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wet Giemsa stain method for quick testing of variants in blood and malaria stains

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Trypanosoma cruzi, technique for hemocentrization and staining that demonstrates trypanosomes in instances of low parasitemia, more sensitive than thick smears, hemoculture and xenodiagnosis

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Trypanosoma congolense, rapid automated cytofluorometric method of counting trypanosomes
Technique, Stains

Lambilis, use of PAS reaction for identification in histological sections of host intestine

Technique, Stains
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Pneumocystis carinii, identification, evaluation of several staining methods

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Onchocerca volvulus, histochemical enzyme-staining patterns of microfilariae from persons in different geographical areas

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Onchocerca ochengi, development to infective stage in Simulium damnosum complex (probably S. sanctipauli) (nat. and exper.); histochemical staining of larval stage acid phosphatase in a distribution pattern in flies; comparisons of development and staining with that of O. volvulus: southwest Togo

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Microsporida, staining technique for location of spores in host tissues, used to locate Nosema sp. in Lymnaea rubiginosa snails and Tracheophilus sp. reida

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Pneumocystis carinii, value of toluidine blue "O" stain compared to modified Gomori's stain for diagnosis of pneumonitis

Technique, Stains
Pneumocystis carinii cysts, modification of Grocott's methenamine silver nitrate staining for rapid diagnosis

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Pneumocystis carinii, morphologic identification, staining characteristics of parasite in various stains

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Malaria and Giemsa type blood stains, use of lower ratio azure B to methylene blue offers superior staining effects

Technique, Stains
Pneumocystis carinii, toluidine blue O staining, results inconsistent when diethyl ether contained additives

Technique, Stains
Dirofilaria immitis, fluorescent dye technique used to detect infection in Psorophora ferox, possible application to other parasite infections in mosquitoes

Technique, Stains
Plasmodium lophurae, differentiation of parasite membrane, parasitophorous vacuole membrane, and duck erythrocyte membrane with cationized ferritin staining as an electron microscope cytochemical method

Technique, Stains
Nosema apis spores, differential diagnosis in pollen by lugol staining

Technique, Stains
Vickerman, K., 1977, Protozoology, v. 3, 57-69
Trypanosoma evansi, SAK strain, 4'-diaminodino-2-phenylindole (DAPI) staining of kinetoplast, dyskinetoplasty mutation, polymorphism, comparison with other flagellates

Technique, Stains
Pneumocystis carinii, histochemical observations, selective coloration of membranes of honeycomb forms, simultaneous demonstration of honeycomb and cyst forms

Technique, Stains
Theileria spp., rapid quantitative assessment of infection in ticks, simplified method for methyl green-pyronin staining of salivary glands

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Technique, Statistical methods
Population models of host-parasite interactions, role of parasite in regulating host population growth
Technique, Statistical methods
Cucullanellus kanabus, growth patterns (alometry, isometry, curvilinear), implications for use of body proportions as diagnostic features when identifying and/or naming nematode species

Technique, Statistical methods
Schistosomiasis, use of Macdonald’s model to establish a policy for controlling human infection, based on human immunity and proportion of infected vector snails in a given area

Technique, Statistical methods
Parasitohabditis sexdentat, morphometrics, individual and geographic variation, statistical analysis: Litovsk SSR; Moskovsk oblast; Gruzinsk SSR

Technique, Statistical methods
Wuchereria bancrofti, method for standardizing observed microfilarial densities to eliminate effect of periodicity in epidemiological comparisons

Technique, Statistical methods
Aponomma hydrosauri, dispersal distance measured by host movement, tests with paint-marked and radio-marked Trachydaurus rugosus: near Tickera, Yorke Peninsula, South Australia

Technique, Statistical methods
parasitic nematodes, sheep (digestive tube), quantitative parasitic profile established after logarithmic transformation of information: Moulay-Bouazza district (Moyen-Atlas du Maroc)

Technique, Statistical methods
discriminant analysis: A method of identifying foci of vector-borne diseases, procedure applied to Dermanyssus longispinosus as vector of Colorado tick fever virus

Technique, Statistical methods
Trypanosoma evansi from cattle and buffaloes, 3 biometric strains described: Philippines

Technique, Statistical methods
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Schistosomiasis, statistical technique for estimating duration of latency and survival time of infected snails

Technique, Statistical methods
Echinococcus granulosus, Echinococcus multilocularis, Polymorphus minutus, Macracanthorhynchus hirudinaceus, integument, stereoscan and transmission electron microscopy; invaginations of outer plasma membrane increase absorptive surface, morphometric analysis, comparisons with other parasitic helminths and with rotifers

Technique, Statistical methods
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Usefulness of measures of diversity, niche width, and niche overlap in analysis of helminth communities in waterfowl, data suggest hypothesis that intestinal helminth fauna of Aythya affinis (particularly hymenolepids) is composed of chance combination of ecological specialists whose microhabitats and populations are determined in part by inter-specific interactions

Technique, Statistical methods
Paramphistomiasis, cattle, economic effectiveness of treatment and control measures, mathematical formula for evaluation: Brestsk oblast, Belorussian SSR

Technique, Statistical methods
Brugia malayi, Brugia timori, classification of microfilarial periodicities using Aikat and Das statistical method, survey of 6 localities in Indonesia

Technique, Statistical methods
Schistosoma mansoni, Cebus monkeys, correlation of number of eggs per gram of rectal tissue with number of female worms, challenge infection effect, or drug action

Technique, Statistical methods
Ixodes persulcatus population, middle scale spatial structure, statistical treatment of transect estimates, distribution in relation to vegetation and landscape: Middle Sikhote-Alin

Technique, Statistical methods
Flea allergy in dogs and cats, intradermal test with whole extract of Utenocephalides felis; test evaluation procedure

Technique, Statistical methods
Splendidodidamia mavis, biometric characteristics, factor analysis, 3 growth forms

Technique, Statistical methods
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two methods for estimating effect of parasites on abundance of young fish in lakes, one for parasites persisting for a long period in the host, the other for parasites persisting only a short time
Technique, Statistical methods
Entamoeba histolytica, periodic hamster liver passage enhances virulence of axenically cultured trophozoites, statistical analysis

Technique, Statistical methods
Cercaria vesiculosus of Prosthogonimus sp. in Lymnaea luteola (foot, mantle, digestive gland), distribution in host, abundance determined by planimetry, relationship between size of host and extent of infection, definite ratio between mass of parasite and mass of host digestive gland in a given age group

Technique, Statistical methods
dynamics of model host-parasite associations, factors that tend to have a destabilizing influence: parasite induced reduction in host reproduction; effects of parasites reproducing directly inside their host; effects of time delays in parasite reproduction and transmission

Technique, Statistical methods
Mosimann, J. E.; et al., 1978, Biometrics, v. 34 (3), 341-356
Schistosoma mansoni, S. haematobium, human (egg-counts from Egyptian autopsy data), proportional distribution of eggs in various body organs in relation to infection intensity

Technique, Statistical methods
Neraasen, T. G.; and Holmes, J. C., 1975, Acta Parasitologica Polon., v. 23 (12-25), 277-289
analysis of circulation of cestodes among 3 species of goose (young and adult) nesting in close association, 4 groups of cestodes delineated representing different pathways and patterns of exchange: Anderson River Delta, Northwest Territories, Canada

Technique, Statistical methods
Onchocerca volvulus in Simulium spp. females, comparison of host bio-ecology and vector potential, parasitism as basis for calculating theoretical composition of a biting population of flies: Côte d’Ivoire, Afrique de l’ouest

Technique, Statistical methods
Diplostomum spp. in Coregonus clupeaformis (eyes), lack of bilateral symmetry in distribution of metacercariae, computer simulation of observed phenomenon demonstrated that asymmetry was not due to chance but was product of positive feedback mechanism, hypothesized that increased blood supply to inflamed tissues will channel more metacercariae to an already infected eye: Squaw Lake, Shefferville, Quebec

Technique, Statistical methods
Howardula husseyi-infected vs. uninfected Megasella haematata, longevity, dissemination of nematodes by parasitized female flies, statistical models, potential biological control agent

Technique, Statistical methods
leishmaniasis, human cutaneous, histopathology in relationship to immunological mechanisms, logarithmic parasite index to provide framework of various disease forms and their inter-relationships

Technique, Statistical methods
Xenopsylla conformis, population density increases and decreases, yearly cycles and distribution, statistical prediction method, possible factors: Volga-Ural sands

Technique, Statistical methods
Sogandares-Bernal, F.; Hietala, H. J.; and Gunst, R. F., 1979, J. Parasitol., v. 65 (4), 616-623
Ornithodiplostomum psychocheilus infection not found to affect stamina of Richardsonius balteatus, evolutionary implications; multivariate contingency table analysis of data

Technique, Statistical methods
secular trends of annual mortalities of animal infectious diseases (including bovine trichomoniasis), mathematical models, possible application in morbidity forecast

Technique, Statistical methods
Ixodes persulcatus, computer analysis of numbers in relation to various ecological factors, including numbers of hosts and climatic conditions, 1962-1970, basis for predicting abundance: Pria'mur'ia

Technique, Surgical. See Surgery

Technique, Transplantation. See Transplantation

Technique, Treatment. [See also Animal husbandry; Biological control; Disease transmission; Control; Snail control; Surgery]

Technique, Treatment
Amblyomma maculatum, cattle, comparative test with inscribed-impregnated ear tags; longevity test to determine whether could tag cattle in early spring result in only marginally satisfactory control

Technique, Treatment
Alving, C. R.; et al., 1978, Life Sc., v. 22 (12), 1021-1025
Leishmanial donovani in Mesocricetus auratus (infected), meglumine antimoniate, alone and incorporated into liposomes, results suggest that liposome-encapsulated meglumine antimoniate may be markedly more effective than drug alone in chronic infections
Technique, Treatment
Leishmania donovani, hamsters, superior efficacies of liposome-encapsulated meglumine antimonials and sodium stibogluconate, efficacy of treatment influenced by lipid composition and charge of liposomes, morphologic evidence that liposomes travel to intracellular site of parasite, encapsulation and reduction of dose should minimize toxic reactions to antimonials

Technique, Treatment
Alving, C. R.; et al., 1979, Science (4411), v. 205, 1142-1144
Plasmodium berghei, mice, therapeutic effects of glycolipids in liposomes against sporozoite-induced malaria

Technique, Treatment
flea vectors of plague, control on wild
Peromyscus maniculatus by use of 2% carbaryl dust in bait stations: Buckhorn Mountain, Larimer County, Colorado

Technique, Treatment
Beadles, M. L.; et al., 1978, J. Econom. Entom., v. 71 (2), 287-289
Haematobia irritans, cattle, effective control with dichlorvos-impregnated rear leg bands, pasture test: Camp Stanley, Texas

Technique, Treatment
Beadles, M. L.; et al., 1979, Southwest. Entom., v. 4 (1), 70-72
Haematobia irritans, cattle, comparative efficacy of dichlorvos-impregnated ear tags, leg bands, and tail tags

Technique, Treatment
Leishmania tropica, white mouse model, experimental therapy using sodium stibogluconate, amphotericin B, metronidazole, and WR 6026

Technique, Treatment
Blair, L. S.; and Campbell, W. C., [1979], J. Parasitol., v. 64 (6), 1978, 1052-1034
Dirofilaria immitis, pre-cardiac stages in Mustela putorius furo, trials of avermectin B1a, mebendazole, and melarsoprol, possible value of Dirofilaria-Mustela model for chemotherapeutic studies

Technique, Treatment
Blommers, L., 1979, J. Med. Entom., v. 16 (1), 82-83
Pediculus capitis, nymph rearing technique, insecticide tests against nynmphs

Technique, Treatment
Boeckeler, W.; and Segehade, R., 1977, Tierarztl. Umschau, v. 32 (9), 475-478
nematodes, fallow-deer, panacur, good results, recommended that medicated food be given once at beginning of frost-period and at end of winter

Technique, Treatment
Entamoeba histolytica, man, hepatic abscess, serial ultrasonography used to monitor resolution of abscess after therapy with amoebicides

Technique, Treatment
Brotherton, J., 1978, Arzneimittel-Forsch., v. 28 (10), 1665-1672
trichomonads, in vitro testing of potential trichomonomides using Coulter Counter

Technique, Treatment
Byon, J. S., 1975, Taehan Uihak Hyophoe Chi (J. Korean Med. Ass.), v. 18 (7), 348-351
Ascaris, human, removal of worms from bile duct using a duodenofiberscope, 3 case reports

Technique, Treatment
Campbell, W. C.; Bartels, E.; and Cuckler, A. C., 1978, J. Parasitol., v. 64 (1), 69-77
Schistosoma mansoni, mice, simple and rapid assay suitable for routine screening of compounds for antischistosome activity, reduction in severity of hepatic lesions used as chief criterion of efficacy

Technique, Treatment
Trypanosoma cruzi, method of standardization of processes and selection of patients for drug treatment clinical trials; statistics of trial testing Bayer 2502

Technique, Treatment
de Carneri, I.; and Trane, F., 1976, Parasitologia, v. 18 (1-3), 15-18
Giardia muris, specific pathogen-free mice, experimental infection by oral administration of trophozoites, quantitative studies, model for drug screening

Technique, Treatment
Dermatobia hominis, life cycle maintained under laboratory conditions, infection of rats for study of chemotherapeutics

Technique, Treatment
Entamoeba histolytica, strain Eh l isolated from woman with acute infection, virulence in laboratory animals and utilization in drug screening in hamsters

Technique, Treatment
Chatfield, R. C.; and Yeary, R. A., 1979, Vet. Parasitol., v. 5 (2-3), 177-193
Hymenolepis diminuta, bunamidine HCl, applicability of in vitro cultivation in determination of LC50, effect on enzymes involved in energy metabolism and on ultrastructure

Technique, Treatment
Schistosoma mansoni, ultrasound compares favorably with other activity monitoring methods used to assess drug effects on worms; response to 5-hydroxytryptamine as indicator of neuromuscular status
Technique, Treatment
American cutaneous leishmaniasis, humans, N-methylglucamine antimonate therapy evaluated by indirect fluorescent antibody test

Technique, Treatment
Entamoeba histolytica, experimental muscular infection in hamsters, pathology, metronidazole trial; useful biological model, particularly for chemotherapy studies

Technique, Treatment
rodent fleas, dichlorvos impregnated in granules coated with rodent bait evaluated as vapor toxicant for flea control, field tests, effective flea control on Dipodomys spectabilis probably due to its habit of storing food in its burrow: southeast New Mexico

Technique, Treatment
Bovicola spp. on goats, control with dichlorvos-impregnated resin neck collars

Technique, Treatment
Denham, D. A., 1979, J. Helminth., v. 53 (2), 175-187
methods for testing compounds for filaricidal activity, review

Technique, Treatment
Denham, D. A.; et al., 1978, J. Parasitol., v. 64 (3), 465-468
Brugia pahangi, anthelmintic effect of diethylcarbamazine in vitro, in Aedes aegypti, in Meriones unguiculatus, and in Felis catus, implications for use of primary and secondary screens for filaricidal activity

Technique, Treatment
Brugia pahangi and B. pahangi/patei hybrid, 23 anthelmintics tested in laboratory hosts (Aedes aegypti, Meriones unguiculatus, cats) and in vitro, concluded that insect and in vitro tests are of little value as primary screens

Technique, Treatment
Schistosoma mansoni-infected mice deprived of their T-cells, relative lack of efficacy of potassium antimony tartrate, demonstration of drug-antiserum synergy

Technique, Treatment
Donald, A. D.; et al., 1978, Austral. J. Agric. Research, v. 29 (1), 189-204
gastrointestinal nematodes, availability to sheep grazing on summer-contaminated pastures (December-January contamination vs. February contamination), rates of decline of infective larvae, effects of weather conditions, implications for anthelmintic treatment and grazing management: Canberra, A. C. T.

Technique, Treatment
Haematobia irritans, dairy cattle, effectiveness of coumaphos on cable-type backrubbers, no residues detected in milk

Technique, Treatment
Erystaf'ev, M. N., 1978, Veterinariia, Moskva (11), 70-72
Hypodermia bovis, cattle, insecticides tested, aerosol method of application more useful for large, specialized farms than for individual treatment: Tiumensk oblast

Technique, Treatment
Brugia malayi, fourth stage and adult parasites in cats, effect of diethylcarbamazine citrate, effective model to compare efficacy of drugs against adult lymphatic-dwelling filariae

Technique, Treatment
Plasmodium falciparum, patient in coma and renal failure treated with exchange transfusions, 2% of patient's red blood cells remained parasitized after therapy, 60% parasitized prior to transfusions: Cristalandia, Brasil

Technique, Treatment
Fink, E.; and Schmidt, H., 1979, Tropenmed. u. Parasitol., v. 30 (2), 206-211
Trypanosoma brucei rhodesiense, EATRO 1989 strain in white mice induced chronic infection with meningoencephalitis similar to infection in humans, suitable model for studying human infection and screening drug compounds for activity during late stages of infections

Technique, Treatment
Gilbert, J. P.; Gratzek, J. B.; and Brown, J., 1979, J. Fish Dis., v. 2 (3), 191-196
formalin and malachite green-oxalate (alone or in combination) used as model system for testing synergistic action of parasiticides in vitro

Technique, Treatment
Gillin, F. D.; and Diamond, L. S., 1978, J. Protozool., v. 25 (4), 530-543
Entamoeba histolytica, other Entamoeba spp., technique for clonal growth in agar, possible use in drug testing

Technique, Treatment
Amblyomma maculatum, cattle (exper.), male tick pheromone applied to small area on cattle attracted female ticks from other sites, mixture of pheromone and isobenzan attracted and killed female ticks

Technique, Treatment
Argas walkerae, chickens (exper.), in vivo model for evaluating detaching potential of various acaricides
Technique, Treatment
Gruenberg, J.; et al., 1979, Biochem. and Biophys. Research Commun., v. 88 (3), 1173-1179
Trypanosoma brucei, interactions of liposomes with plasma membrane, implications for use of liposome-encapsulated drugs in chemotherapy

Technique, Treatment
Guida, V. O.; et al., 1974, Rev. Brasil. Med., v. 31 (7), 465-470
Schistosoma mansoni, humans with intestinal, hepatic-intestinal and hepatosplenic forms of infection, Bacillus amylolique-fascians resulted in clinical and parasitologic cure, apparent enzymatic action on parasites

Technique, Treatment
Trypanosoma cruzi, rapid, simple primary screen to test compounds for activity as potential trypanocides using infected A/JAX inbred mice

Technique, Treatment
Hair, J. A.; et al., J. Econom. Entom., v. 72 (1), 135-138
Bomphius spp., Dermacentor albipictus, cattle (exper.), sustained release fumpham bolus

Technique, Treatment
Harvey, T. L.; and Brethour, J. R., 1979, J. Econom. Entom., v. 72 (4), 532-534
Haemobium irritans, permethrin EC spray applied to one individual bull, cow, or steer per herd eliminated all horn flies from herds within 1 day

Technique, Treatment
Hillyer, G. V.; and Santiago de Weil, N., 1979, J. Parasitol., v. 65 (5), 680-684
Fasciola hepatica, rats, rabbits, enzyme linked immunosorbent assay can be used for serodiagnosis and for prediction of chemotherapeutic success

Technique, Treatment
Irvin, A. D.; and Young, E. R., 1978, Research Vet. Sc., v. 25 (2), 211-214
Babesia spp., drug inhibition of hypoxanthine uptake in vitro could be used as primary screen for babesicidal drugs but drugs showing in vitro activity are not necessarily active in vivo

Technique, Treatment
Jørgensen, R. J.; et al., 1978, Vet. Parasitol., v. 4 (1), 55-68
Ostertagia ostertagi, calves from previous field experiment that had been subjected to various combinations of pasture moving and anthelmintic treatment, infection parameters and body weight gains following housing

Technique, Treatment
Schistosoma mansoni, Cebus monkeys, correlation of number of eggs per gram of rectal tissue with number of female worms, challenge infection effect, or drug action

Technique, Treatment
daily dose phenothiazine system vs. conventional drenching, pregnant ewes

Technique, Treatment
Schistosoma mansoni, successful extracorporeal filtration of schistosomes in unanesthetized man, possible use in reducing or eliminating worm burden when drugs are contraindicated or as research tool to study new drugs or natural history of disease in man

Technique, Treatment
Kilgore, R. L.; et al., 1979, Poultry Science, v. 58 (1), 67-71
Eimeria spp., chickens, floor-pen trials evaluating 4 methods of induced exposure to coccidiosis suitable for use in drug research operations, laboratory sporulated oocysts spread over litter most satisfactory method

Technique, Treatment
Kirkwood, A. C., 1979, State Vet. J., Min. Agric., Fish. and Food (101), v. 34, 154-141
Psoroptes communis ovis, sheep, effective dipping practices for control, review

Technique, Treatment
latentiation of 9 potential naphthylazo derivatives as schistosomicides, although the compounds were ineffective in trials with mice, the latentiation method used in the trials showed potential for wider application in drug testing

Technique, Treatment
falciparum malaria complicated by disseminated intravascular coagulation, woman successfully treated with exchange transfusion after previously failing to respond to other therapy: Thailand

Technique, Treatment
Demodex canis, German Shepherd puppy, treatment with methylene blue positive iontophoresis, good results, case report; iontophoresis, review

Technique, Treatment
Laigret, J.; Fagneaux, G.; and Tuiira, E., 1978, Bull. World Health Organ., v. 56 (6), 985-990
Wuchereria bancrofti var. pacifica, humans with lymphatic filariasis, diethylcarbamazine long-term therapy given at widely spaced intervals: Polynesie francaise

Technique, Treatment
Langham, M. E.; Traub, Z. D.; and Richardson, R., 1978, Tropenmed. u. Parasitol., v. 29 (2), 156-162
Onchocerca volvulus, humans, transepidermal administration of diethylcarbamazine, more effective and safer than oral route: Liberia

Technique, Treatment
Latter, V. S.; and Wilson, R. G., 1979, Parasiology, v. 79 (1), 169-175
Eimeria tenella, factors influencing assessment of anticoccidial activity in cell culture
Technique, Treatment
Eimeria spp. in chickens, incidence of clinical coccidiosis by month of year and age of host in the Ontario Veterinary Services Branch records 1973-1977, possible use of data to synchronize drug rotation with change in incidence.

Technique, Treatment
Psoroptes ovis, sheep, increasing incidence, controlled field trial with asuntol dip, good results; need for good dipping technique, most frequent sources of failure: Federal Republic of Germany.

Technique, Treatment
Baylisascaris procyonis, mice (exper.), pyrantel tartrate and pyrantel pamoate administered in feed prevented cerebral migration, concluded that parasite might be useful model to test anthelmintics against migratory ascarids.

Technique, Treatment
Mebendazole + trichlorfon paste, endoscopic treatment, enhanced cryosurgical treatment (double freeze-thaw cycle), good results.

Technique, Treatment
Habronema sp. larvae, horses (legs, nares), nematodes, ewes, fenbendazole administered in feed-block formulation prior to lambing reduced peri-parturient faecal egg count rise and subsequent pasture contamination and lamb infection, experimental and field studies.

Technique, Treatment
McDougald, L. R.; and Galloway, R. B., 1977, Ztschr. Parasitenk., v. 54 (1), 95-100
Eimeria tenella in vitro, development inhibited by serum from chickens fed antibiotics, activity as compared to drug injected alone.

Technique, Treatment
Theileria parva and T. annulata-infected bovine lymphoblastoid cell cultures used in vitro screens to test wide range of compounds for chemotherapeutic activity.

Technique, Treatment
Marriner, S.; and Bogan, J. A., 1979, Vet. Rec., v. 105 (11), 261
Benzimidazole anthelmintics, sheep, oral vs. intraruminal vs. intra-abomasal administration.

Technique, Treatment
Theileria parva, inoculation of oxycarcinocycline into rabbits on which infected Rhipicephalus appendiculatus are feeding did not inhibit development of parasites nor affect their subsequent infectivity for cattle, possible use of this system in screening prophylactic drugs against East Coast fever.

Technique, Treatment
Helminths, weaned bovine calves rear externally on Jaragua grass, different schemes of treatment, effect of anthelmintic treatment on host growth seems to be conditioned to environmental conditions, especially nutrition.

Technique, Treatment
Migioia, S., 1978, Veterinaral., v. 1, 619-620
Psoroptes ovis, sheep, increasing incidence, controlled field trial with asuntol dip, good results; need for good dipping technique, most frequent sources of failure: Federal Republic of Germany.

Technique, Treatment
Muylle, E.; Oyaert, W.; and Rogiers, M., 1979, Vlaams Diergeneesk. Tijdschr., v. 48 (4), 279-282
Gasterophilus intestinalis larvae, horses, mebendazole + trichlorfon paste, endoscopic assessment of efficacy.

Technique, Treatment
Leishmania donovani, mice, reduced parasite count in liver after treatment with drug-loaded liposomes (potassium antimony tartrate, sodium antimony gluconate), enhanced activity as compared to drug injected alone.

Technique, Treatment
Plasmodium falciparum, woman, intense parasitemia, deepening coma, and acute renal failure, exchange transfusions as useful adjunct to conventional chemotherapy, numbers of infected circulating erythrocytes reduced: United States, had previously travelled in Ghana.

Technique, Treatment
Human cerebral malaria, successful treatment regimen using intravenous quinine dihydrochloride.

Technique, Treatment
Trypanosoma equiperdum, laboratory animals, treatment with irradiation (association of electromagnetic waves and magnetic field), immune response.
Technique, Treatment
Trypanosoma equiperdum, mice, influence of host age on effectiveness of stimulation of its defenses by electromagnetic radiation, mature immune system is required

Technique, Treatment
Schistosoma mansoni, mice, simple and rapid method for mass screening of prophylactic agents using peritoneal schistosomula

Technique, Treatment
Plasmodium berghei, mice (exper.), liposome-entrapped primaquine used as therapy against pre-erythrocytic stage infection, less toxic than free primaquine

Technique, Treatment
Schistosoma haematobium-infected boys treated 12 months earlier with mefloquine, follow-up intravenous urograms support significance of annual chemotherapy programmes in reducing morbidity in boys and in reducing environmental contamination: Malumfashi area, northern Nigeria

Technique, Treatment
Leishmania donovani, golden hamsters, HOE 668 compared with known antileishmanial drugs, toxicity precludes further development but very good anti-leishmanial action qualifies it as standard compound in screening tests

Technique, Treatment
Rane, D. S.; and Kinnammon, K. E., 1979, Am. J. Trop. Med. and Hyg., v. 28 (6), 937-947
sporozoite-induced Plasmodium berghei in mice, development of high volume tissue schizonticidal drug screen based upon mortality of infected mice

Technique, Treatment
Amblyomma hebraeum, field trials with pheromone-toxaphene mixtures applied to demarcated areas on cattle for tick control: near East London, South Africa

Technique, Treatment
Strongylus vulgaris, foals (exper.), albendazole, sequential arteriography for evaluation of larvicidal activity

Technique, Treatment
Plasmodium falciparum, 36-year-old male after travel to Senegal, case report, severe infection cured by exchange blood transfusion in conjunction with classical drug therapy: Argentina

Technique, Treatment
Fasciola hepatica, sheep, cattle (both exper.), bodyweight, blood and plasma analyses, emphasis on use of plasma enzyme levels to detect and monitor liver damage and to assess efficacy of diethylthioamine against immature flukes

Technique, Treatment
Ryley, J. F.; and Hardman, L., 1978, Parasitology, v. 76 (1), 11-20
Eimeria spp., chicks (exper.), effects of dietary vitamin K on severity of disease with particular attention to effects of vitamin K on response to anticoccidial drugs, concluded that use of vitamin K deficient diet for experimental work is quite justified

Technique, Treatment
Santiago, M. A. M.; et al., 1978, Rev. Centro Cien. Rurais, v. 8 (1), 83-87
Ancylostoma sp., Toxocara sp., dogs, leva-misole by dermal application

Technique, Treatment
Plasmodium falciparum and P. vivax in Aotus trivirgatus griseimembra, methods employed in search for new blood schizonticidal drugs

Technique, Treatment
Shashan, G. J.; and Hughes, P. B., 1978, Vet. Rec., v. 103 (26-27), 582-583
Lucilia cuprina, myiasis, sheep, organophosphorus insecticides, residual efficacy against susceptible and resistant larvae, larval implant technique compared with standard analysis: New South Wales

Technique, Treatment
Shashindran, C. H.; et al., 1978, Brit. J. Dermat., v. 98 (6), 699-700
human pediculosis capitis, successful systemic (oral) therapy using combination of trimethoprim and sulphamethoxazole without additional external application of insecticides; drugs when used separately were not effective

Technique, Treatment
Nippostrongylus brasiliensis, migratory phase, white mice, 16 anthelmintics tested, model for larval nematode treatment studies

Technique, Treatment
Litomosoides carinii in Sigmodon hispidus, screening filaricides for human filariasis, evaluation of intrathoracic injection method

Technique, Treatment
sheep scab control with use of showers

Technique, Treatment
Skromme-Kadlubik, G.; et al., 1978, Medicina, Mexico (1228), an. 58, v. 58, 14
Onchocerca volvulus, rabbits, possible diagnosis and treatment of onchocercosoma using 1-1 labelled antibodies
Technique, Treatment
Entamoeba histolytica, human, comparative survey, conventional medications vs. radiation therapy

Technique, Treatment
Ascaris lumbricoides, persistent biliary ascariasis in 8-year-old girl, worm removed successfully through duodenum by endoscopy: South Africa

Technique, Treatment
biliary ascariasis, children, diagnosis, evaluation of therapy, and removal of worms from biliary system using cholangiography and duodenoscopy, alternative to surgery

Technique, Treatment
Stella, V.; et al., 1978, J. Pharm. Sc., v. 67 (10), 1375-1377
α-(dibutylaminomethyl)-6,8-dichloro-2-(3'-4'-dichlorophenyl)-4-quinolinemethanol (an antimalarial), enhancement of bioavailability by formulation with oleic acid in soft gelatin capsule

Technique, Treatment
Trichomonas foetus, bulls, dimetridazole methanesulphonate by intrarruminal injection, most efficient treatment with daily dose of 100 mg per kg during 5 consecutive days

Technique, Treatment
Litomosoides carinii-infected cotton rats, improved method for intrapleural injection of anti-filarial drugs to evaluate macrofilaricidal action

Technique, Treatment
ectoparasites, development of control methods, review

Technique, Treatment
Lucilia sericata, Damalinia ovis, sheep, 2 new 'Mini-shower' models of dipping with fenithion-ethyl and diazinon compared with plunge and shower dipping, residues in wool samples

Technique, Treatment
Chemiodcopes pilae, Mexican red-headed parrot (beak, face), case report, combined aerosol (maithion solution) and topical treatment (eurax and Goodwinol cream) highly effective and less stressful

Technique, Treatment
Vakitzi-Lenonsis, C.; and Gregoriadis, G., 1978, Biochem. Soc. Tr., v. 6 (6), 1241-1244
Crithidia fasciculata, uptake of liposome-entrapped agents

Technique, Treatment
control of buffalo flies on cattle using back rubber charged with ethion, good results, directions for making and maintaining

Technique, Treatment
Werner, H.; et al., 1977, Tropenmed. u. Parasit., v. 28 (4), 528-532
Toxoplasma gondii, latent infected mice, substantial reduction in brain cysts obtained by administration of hyperimmune serum, pyrimethamine, and SDDS in various combinations; effectiveness of therapy varied with parasite strain

Technique, Treatment
Schistosoma haematobium, human, intensity and prevalence of proteinuria and hematuria determined using urinalysis reagent strips, close relationship to intensity of infection suggests these parameters may have value as indications for chemotherapy, good prognosis in subjects with heavy proteinuria suggests that this urinary protein is likely to originate from lesions in lower renal tract rather than kidney: The Gambia; Egypt

Technique, Treatment
trypanocidal activity of antitumor antibiotics and other metabolic inhibitors, microtest for rapid preliminary assay in vitro, parasite motility and infectivity for mice are indexes respectively of respiration and glycolysis and of cell division, implications of results for combination chemotherapy and deposit prophylaxis (with polyanions)

Technique, Treatment
Wise, D. L.; Gresser, J. D.; and McCormick, G. J., 1979, J. Pharm. and Pharmacol., v. 31 (4), 201-204
dual antimalarial system, sustained release of 'H-labelled WR-7557 and 14C-labelled WR-158122 in biodegradable carrier, rhesus monkeys, mice

Technique, Treatment
Wright, F. C.; and Riner, J. C., 1979, Southwest. Entom., v. 4 (1), 40-45
Psoroptes ovis, P. cuniculi, 10 acaricides evaluated using 'tea-bag' technique
Technique, Treatment

Yeoman, G. H.; and Bell, T. A., 1978, Vet. Rec., v. 105 (15), 337

Lucilia sericata, sheep, aluminium alkoxide gellants mixed with insecticide and applied to breech area, results suggest that this new control method against cutaneous myiasis gives higher protection than current means of control with no abnormal problems of toxicity, tissue residues, or wool processing.

Technique, Treatment

Young, S. W.; et al., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (6), 627-630

Schistosoma haematobium, patients with obstructive uropathy and associated bacteriuria, evaluation with serial urograms, renograms, and renal function tests before and after medical treatment, renogram can be more sensitive test for evaluating efficacy of treatment.

Technique, Trematoda


Diplostomum spathaceum, Hymoderma conoideum, Plagiorchis species, Notocotylus attenuatus, labelling cercariae with radioselenium by incubating host snails with radioisotope, no negative effects on cercariae, possible applications of technique; labelled H. conoideum for radioisotope assay of host-finding by measuring snail-bound radioactivity in Helisoma duryi after exposure to cercariae.

Technique, Trematoda


Fasciola hepatica miracidia, simple method for mass production.

Technique, Trematoda

McIlraith, S. M., 1979, J. Parasitol., v. 65 (2), 326-327

Telorchis attenuatus, technique for periodic collection of emerging cercariae from snail hosts.

Technique, Trematoda

Nassi, H., 1978, Acta Trop., v. 35 (1), 41-56

Ribeiroia marini guadeloupensis n. ssp., life cycle, sterilization of Biomphalaria glabrata (vector of schistosomiasis), method for producing large quantities of trematode eggs with view to eventual control of snail populations: Guadeloupe.

Technique, Trematoda

Ørnbjerg Christensen, N., 1977, Ztschr. Parasitenk., v. 54 (3), 273-288

Schistosoma mansoni, S. intercalatum, cercariae, technique for in vivo labelling with radioselenium, possible applications in cercarial ecology studies.

Technique, Ultrasonication. See Sound.

Technique, Vectors. See Vectors.
Tegument


Fasciola hepatica, metacercariae grown in vitro in 2 different media, ultrastructure of tegument and digestive caeca, comparison with development of these 2 systems during maturation in vivo

Davies, C., 1979, Internat. J. Parasitol., v. 9 (6), 553-564

Microphalus simillis metacercariae and adults, forebody glands and surface features, scanning and transmission electron microscopy, cytochemistry, ultracytochemistry


digenetic trematodes, structure of tegument is adapted to serve the two primary functions of absorption and protection and represents a compromise between demands of the two roles, analysis and integration of already available information, implications for view of method of formation of tegument and for nomenclature of tegumental structures


Schistosoma mansoni miracidium, light and electron microscopy of tegument and associated structures (cilia, microvilli-like appendices, thin-long appendices, sensory papillae on terebratorium)

Ernst, S. C., 1976, Rice Univ. Studies, v. 62 (4), 81-95

Schistosoma mansoni, alkaline phosphatase activity, biochemical and cytochemical studies, tegumental localization suggests that invaginations of tegument represent surface compartments that would facilitate digestive absorptive activity of this membrane, localization of nonspecific alkaline phosphatase activity in tegument but not in esophagus or cecum may reflect regional differences in function

Fujino, T.; Ishii, Y.; and Choi, D. W., 1979, J. Parasitol., v. 65 (4), 579-590

Clonorchis sinensis, newly excysted juveniles and adult worms, tegument, surface ultrastructure, scanning and transmission electron microscopy


Hymenolepis nana, cysticercoid, ultrastructure compared with H. diminuta, great variation in tegumental structures between the two species


Schistosoma rodhaini, tegument ultrastructure, transmission electron microscopic and stereoscopic observations

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Paragonimus kellicotti, tegumental surface membrane, fine structure, topography (rich in acidic carbohydrate), possible relationship to ability of flukes to survive in immunocompetent host

Halipegus ovocaudatus, development of tegument during four stages (cercaria, mesocercaria, metacercaria, adult), ultrastructure


Schistosoma mansoni, identification of immunoglobulin classes associated with tegument of adult parasites from mice

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Hydatigera taeniaeformis cysticercus, alkaline phosphatase activity, ultrastructural localization in tegument


Halipegus ovocaudatus, development of tegument during four stages (cercaria, mesocercaria, metacercaria, adult), ultrastructure


Schistosoma mansoni, identification of immunoglobulin classes associated with tegument of adult parasites from mice
Tegument
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Hymenolepis diminuta, brush border plasma membrane, isolation and partial biochemical characterization

Tegument
Hymenolepis diminuta, hydrolysis and transport of nucleotides

Tegument
Eubothrium rugosum, Bothrioccephalus gow- kongensis, oncosphere, proceroid, plerocercoid, tegument ultrastructure; evolution of cestode tegument briefly discussed

Tegument
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Metechinorhynchus salminint, abnormal swelling in tegument, apparently due to build-up of glycogen and phospholipid, no protozoan, bacterial, or viral pathogen found, suggests that abnormality may be due to metabolic dysfunction

Tegument
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Schistosoma mansoni in vitro and in vivo (mice), developing tegumental outer membrane, freeze fracture study, changes in number and distribution of intramembraneous particles (IMP) during parasite maturation, reflection in alterations of ultrastructure and antigenicity of parasite surface

Tegument
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Tegument
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Tegument
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Tegument
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Tegument
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Hymenolepis microstoma, surface topography as determined by scanning electron microscopy using critical point dried specimens

Tegument
Hymenolepis nana var. fraterna, development of non-encapsulated cysticercoids in haemocoel of Leucophaea maderae after inhibition of haemocytic reaction by means of irradiation or injection of soluble antigen of H. nana, fine structure of tegument of free larvae in relation to mechanism of possible defense of parasite against host reaction

Tegument
Hymenolepis nana var. fraterna, cysticercoid development in haemocoels of Tenebrio molitor and Leucophaea maderae (both exper.), comparison of host haemocytic defense reactions and structure of parasite tegument

Tegument
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Fasciola hepatica, origin, ultrastructure, and function of subcuticular cells of tegument, localization of DNA synthesis, high degree of DNA-replication indicates mitotic activity of non-differentiated subcuticular cells

Tegument
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Raillietina caucasica, tegument, ultrastructure

Tegument
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Tegument
Cercaria vauguerali, ultrastructure of daughter sporocyst tegument

Tegument
Cercaria littorinae saxatilis V daughter sporocyst, ultrastructure of body wall

Tegument
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Microphallus similis, daughter sporocyst, ultrastructure of tegument

Tegument
Schistosoma mansoni, mice, changes in tegumental surfaces during development

Tegument
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Schistosoma mansoni, schistosomula and cercariae, surface proteins
Tegument
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Schistosoma mansoni, glycosyl transferase activity, possible correlation with carbohydrate composition of tegument

Tegument
Schistosoma mansoni, tegument development in permissive (mouse, hamster) vs. non-permissive (rat) hosts, scanning electron microscopy

Tegument
6 cestode species, proteinase activity, differences in adult and larval parasites, differences in relation to class of vertebrate host, high proteolytic activity in Schistoscephalus solidus tegument

Tegument
Taenia crassiceps, mice, ultrastructural aspects of early immune damage to metacestodes, tegument damage is attributed to complement-mediated lysis of outer tegument membrane and death of larvae probably results from loss of tegument function

Tegument
Stellantchasmus falcatus, cercariae, fine structure of tegument and secretory cells

Tegument
Fasciola hepatica, basal infolds and associated vacuoles of tegument: general and enzymatic histochemistry, osmotic behavior, theory outlining possible mode of operation of tegument as transporting epithelium

Tegument
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Triaenophorus nodulosus, changes in ultrastructure of body surface during development from oncosphere into procercoid

Tegument
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Schistosoma mansoni, immune-induced membrane alterations, freeze-fracture study, complement-dependent damage in presence of antisera to host antigenic determinants

Tegument
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Raillietina spp., enzyme identification and distribution in tegument, differences among species in degree of enzyme manifestation interpreted as due to localization of species in chick intestine

Tegument
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Taenia taeniaeformis, mebendazole medication of infected mice induced drastic time-related changes on surface topography of mature cysticerci, difference in susceptibility towards the drug between scolex, pseudoproglostids, and bladder in relation to morphology of their microtrichous covering

Tegument
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Tegument
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Schistosoma mansoni, development of tegumental surface in mammalian host, scanning electron microscopy

Tegument
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Tegument
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Mesocestoides corti tetrathyridia, tegument scanning and transmission electron microscopy

Tegument
Schistosoma mansoni, tegument pathology following chemotherapy with 153Cs1, lysosomal involvement (accumulation of inclusions with characteristics of residual lysosomes, changes in localization of acid phosphatase), immunological factors probably not involved

Tegument
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Tegument
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Notocotylus attenuatus, cercaria, relationship of gland cells to layers of cyst wall of adolescaria, morphology, histochemistry
Temperature


physiology of fish parasites, review: chemical composition; physical environmental parameters (salinity, temperature, oxygen tension); nutrition (role of gut, role of tegument); metabolism (carbohydrates, nitrogenous compounds, lipids); growth physiology; host-parasite relations (pathology, host specificity and immunity)

Temperature


Dicrocoelium lanceolatum, sheep, annual activity cycle of intermediate hosts (Cionella lubrica, Formica nigricans and F. cucullaria), seasonal variation in number of parasitized ants, effect of climatic factors (temperature, rainfall), application to forecasting method: Limus

Temperature


Trypanosoma dionisii, effect of various agents (including temperature, complement, trypsin, cytochalasin B and immune plasma) on attachment and entry to mouse peritoneal macrophages in vitro, and subsequent morphogenesis; attachment occurred to non-specific receptors, entry by phagocytosis

Temperature


Bovicola bovis, optimal temperature for in vitro rearing in Ireland is at variance with that recorded by 2 authors in United States, possible that geographical genetic plasticity accounts for these differences

Temperature

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Subulura suctoria, development and morphology of larval stages in Alphitobius diaperinus, effect of temperatures on length of larval development

Temperature


Rasajeyna nannyla in Tipula paludosa and T. vittata, incidence throughout 2-year sampling period, incidence as a function of temperature: 2 different sites (one damp and one dry) in Northumberland, England

Temperature


Eimeria phasiani and E. colchici in Phasianus colchicus, dynamics of incidence dependent upon host biotope, host movements, season, temperature, and humidity: Mittelfohren

Temperature

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Dermacentor silvarum, capability of adult females to engorge depends on temperature and photoperiod at prefeeding stage, thus certain conditions may give rise to a form of diapause as a seasonal adaptation
SUBJECT HEADINGS

Temperature
Belouzerov, V. N.; and Luzev, V. V., 1974, Parazitologija, Leningrad, v. 8 (6), 515-523
Haemaphysalis longicornis, effect of photoperiod and temperature on behavior and development of larvae and nymphae

Temperature
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Hyallomma asiaticum asiaticum, duration of life cycle in natural biotopes (burrows of [Rhombomys opimus]), temperature requirements: Turkmenia

Temperature
Ostertagia circumcincta, sheep infected with larvae stored at low temperature, pathophysiological changes (body weight, blood picture, serum proteins), effectiveness of infection and percent of larvae inhibited in development

Temperature
Giardia sp., excystation in vitro, effects of temperature, pH, time, and incubation medium; eosin exclusion and excystation compared as methods of determining cyst viability, effect of temperature on cyst viability

Temperature
Bonner, T. P., 1979, J. Parasitol., v. 65 (1), 74-78
Nippostrongylus brasiliensis, 3rd-stage larvae, initiation of development in vitro evaluated on basis of morphology and RNA biosynthesis, effect of actinomycin-D, results support idea that elevation of temperature and certain nutritional components stimulate transcription of portion of genome coding for development into parasitic phase

Temperature
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Metazoan parasites of Ictalurus melas, seasonal incidence and abundance in thermal outfall area vs. unaltered area, thermal effluent had little effect on incidence, differences in abundance are considered due to factors other than temperature: Lake Monona, Dane County, Wisconsin

Temperature
Brown, B. J.; and Platzter, E. G., 1978, J. Nematol., v. 10 (2), 110-113
Romanomermis culicivorax, effect of various dissolved oxygen concentrations at various temperatures on infectivity for Culex pipiens

Temperature
Bukshyev, V. I., 1978, Veterinariia, Moskva (9), 60-62
Oestrus ovis, sheep, temperature as most significant factor in predicting time of development in relation to season

Temperature
Octospora effemina and Teleholania hereditaria in Gammarus duebeni duebeni, feminizing influence exerted on host's offspring by parasites, role of salinity and temperature on sex determination by parasites

Temperature
Moniliformis dubius, larval morphogenesis in Periplaneta americana, effect of temperature, season, photoperiod, and elevated temperature stress, morphological anomalies

Temperature
Ostertagia circumcincta, ecology of free-living stages, development and survival on herbage and soil: western Victoria, Australia

Temperature
Trichostrongylus axei, ecology of free-living stages: development and survival of eggs and larvae, corresponding meteorological data: Pastoral Research Institute, Hamilton, Victoria, Australia

Temperature
Trichostrongylus vitrinus, development and survival of free-living stages, some corresponding meteorological data: western Victoria, Australia

Temperature
Campbell, A.; and Glines, M. V., 1979, J. Parasitol., v. 65 (5), 777-781
Haemaphysalis leporispalustris, development, survival, and oviposition at 5 constant temperatures

Temperature
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Dermacentor variabilis females engorged on albino rats and wild-caught Erethizon dorsatum and Procyon lotor and held under series of constant laboratory temperatures or under fluctuating temperatures in grass and woodland conditions, daily oviposition and survival rates, viability of eggs, total number of eggs deposited

Temperature
Cerny, V.; and de la Cruz, J., 1971, Folia Parasi tol., v. 18 (1), 73-78
Boophilus microplus, development and survival in laboratory and natural conditions: Cuba

Temperature
Neoscaris vitulorum eggs, action of boiling water, direct sunlight, and lysis on viability, tested by infectivity to albino rats
Temperature

Brugia pahangi, in vitro cultivation in variety of culture systems, effect of temperature and pH on survival of infective stage larvae in vitro, growth and development of larvae in vitro and in vivo, effect of CO2 on infective larvae in vitro, growth and development of early mammalian stages in vitro, electron microscope observations

Temperature

Protozoans of young predatory fish, extent of infection correlated with some environmental factors: Vrevo Lake, Leningrad district

Temperature
Cheung, P. J.; Nigrelli, R. F.; and Ruggieri, G. D., 1979, J. Fish Dis., v. 2 (2), 93-97

Cryptocaryon irritans, effect of temperature and salinity on reproductive cycle

Temperature

Fasciola hepatica, course of experimental infections in rabbits in relation to age of metacercariae and temperature at which snail intermediate hosts have been maintained, latter considered to be a factor in virulence of metacercariae but not former

Temperature

Dirofilaria immitis in Aedes trivittatus (exper.), effect of different temperatures on developmental rate, intensity of infection, and infection rate

Temperature
Cooper, C. L.; Crites, J. L.; and Sprinkle-Fastkie, D. J., 1978, J. Parasitol., v. 64 (1), 102-107

Eustrongylides tubifex, third and fourth stage larvae, prevalence and intensity in various age/size classes of fish with possible factors responsible for results, site selection, emergence behavior in relation to temperature as possible adaptation to facilitate rapid infection of definitive warm-blooded host upon ingestion of infected fish

Temperature

Babesia bigemina, B. bovis, development, in incubated Boophilus microplus eggs, and B. bigemina in unfed larval ticks held at 37°C, infectivity for calves, results indicate that high environmental temperature may be only stimulus required for development of infective Babesia within the tick

Temperature
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Babesia bovis, morphology, development, and infectivity for cattle of parasites in unfed Boophilus microplus larvae after incubation at various temperatures

Temperature

Mytilicola intestinalis in Mytilus edulis, population dynamics, parasite maturation and breeding, seasonal variation, mortality, environmental temperatures are believed to control parasite developmental cycle: Lynher River, Cornwall, England

Temperature

Ascaris suum, changes in motor activity in relation to temperature, effect primarily on musculature and secondarily on nervous system

Temperature

Bothriocephalus gowkongensis in cyprinid fishes, growth, development, and fertility in relation to temperature, host age and diet, and intensity of invasion

Temperature
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dicyc Tao, bovine, foci, monthly occurrence, mortality, rainfall levels, temperature: Cuba

Temperature
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"Limax" amoebae in swimming pools, water purification systems, associated bacterial flora, temperature, pathogenicity to mice: North of France

Temperature

Ornithodoros gurneyi, laboratory rearing technique, feeding and detaching, molting and development, mating and oviposition, reproductive diapause, effects of temperature, photoperiod, and pressure

Temperature

Boophilus microplus, attachment and survival of larvae on skin slices in vitro, influence of temperature, relative humidity, and host factors

Temperature
Dushabek, F.; Daniel, M.; and Cerny, V., 1971, Folia Parasitol., v. 18 (3), 261-266

Ixodes ricinus, vertical stratification of overwintering engorged larvae in soil

Temperature

Henneguya spp., developmental stages in hosts, histopathological changes in fish gill, inflammatory reaction may be a temperature dependent immune response: South Bohemia
SUBJECT HEADINGS

Temperature
Eisey, K. D., 1977, Canad. Entom., v. 109 (9), 1283-1285
Howardula sp., rate of dissemination of juveniles by adult Epitrix hirtipennis at two temperatures, no significant difference between the total number of juveniles released from male vs. female beetles, sex ratio of released juveniles highly in favor of females: Oxford, North Carolina

Temperature
Asymphylodora kubanicum, occurrence in Bithynia tentaculata (intermediate host) and Rutilus rutilus (intestine) (definitive host), seasonal variation, age of definitive host; annual cycle of occurrence and maturation in roach due primarily to host feeding habits and water temperature: Worcester-Birmingham canal 1 km south of Stoke Works, Bromsgrove

Temperature
Farquhar, A. S.; Anthony, W. B.; and Ernst, J. V., 1979, J. Animal Sc., v. 49 (5), 1331-1336
Eimeria hovis oocysts in manure-blended diet, adequate ensiling prevents sporulation

Temperature
Fetterer, R. H.; et al., 1978, Exper. Parasitol., v. 46 (1), 59-71
Schistosoma mansoni, physical and chemical factors affecting mechanical properties of adult male musculature in vitro (incubation media, buffers, temperature, osmolality, pH, ions), improvements in system for recording motor activity; results indicate that S. mansoni musculature is similar to smooth muscle found in mammals

Temperature
Leishmania spp. culture forms, behaviour, nutrition, respiration, and metabolism compared in new liquid culture medium

Temperature
Nosema necatrix, in vivo propagation in Trichoplusia ni or Heliothis zea, effect of inoculum, temperature, and host type and age

Temperature
Romanomermis culicivorax, field application for control of Aedes spp., poor results due primarily to low spring temperatures: Manitoba

Temperature
Catapia, S. L.; et al., 1976, Philippine J. Vet. and Animal Sc., v. 2 (2), 84-88
Trypanosoma evansi, longevity in artificial medium at room and refrigerator temperatures

Temperature
Gerasimova, N. G., 1971, Parazitologiia, Leningrad, v. 5 (2), 137-139
Xenopsylla skrjabini, X. nuttalli, females, rate of maturation (as assessed by darkening of spermatheca) depends upon number of feedings and environmental temperature

Temperature
Xenopsylla skrjabini, X. nuttalli, longevity of males and females at different temperatures and humidities under laboratory conditions

Temperature
Gold, D.; and Goldberg, M., 1977, Israel J. Zool., v. 25 (4), 177-185
Fasciola hepatica, separate and combined effect of light and temperature on hatching of eggs

Temperature
Ostertagia, Trichostrongylus, Haemonchus, Nematodirus, sheep, development and survival of third-stage larvae on paddocks after summer and autumn contamination dependent upon ground temperature; overwintering of all four genera until start of next grazing season

Temperature
[Sarcocystis] fusiformis, viability in meat and meat products in relation to temperature and salting

Temperature
Clinostomum complanatum, description, presence of larval stage in an artificially warmed lake suggests possibility of acclimatization of parasites brought occasionally to more northern areas by avian hosts during seasonal migration: Poland

Temperature
Grant, D.; and Woo, P. T. K., 1978, Canad. J. Zool., v. 56 (6), 1360-1366
Giardia spp. in small mammals, comparative studies, results suggest host specificity of some spp., infectivity of stored cysts varies with temperature, lack of prophylactic effect in rats treated with metronidazole or quinacrine hydrochloride

Temperature
Ixodes ricinus, ecology, comparison of 2 methods of population assessment (blanket dragging and counts on sheep), seasonal activity appears to be independent of weather; no correlation between tick activity and redwater fever, strong correlation between redwater fever incidence and air temperature: Co. Wicklow, Ireland

Temperature
Hippobosca longipennis, biology in Egypt, laboratory observations: adult emergence, feeding mechanism, frequency and amount of blood meal, tolerance to starvation, sexual maturity, mating behavior, sex ratio, intrauterine larval development, larviposition and description of 3rd larval stage, adult longevity and fecundity, description of pupa, pupal duration (effect of temperature, relative humidity, and host)
Temperature
Hippobosca equina, field-collected and laboratory-reared on guinea pigs, biology, adult males vs. females (feeding, longevity of starved adults in 2 seasons, longevity of normal adults and fecundity in 2 seasons, effect of presence of males on fecundity of females, sexual maturation, sex ratio); larval stage (larviposition, description, and duration of 3rd larval stage; seasonal intrauterine larval development); pupal stage (duration, effect of temperature and humidity)

Temperature
Hazen, T. C.; and Esch, G. W., 1978, J. Fish Biol., v. 12 (5), 411-420
Clinostomum marginatum in Micropterus salmoides, infection percentages compared in thermal and ambient parts of a reservoir, relationship to body condition and length of host, seasonal changes: Par Pond, near Aiken, South Carolina

Temperature
Haemaphysalis longicornis, Ixodes holocyclus, and Rhipicephalus sanguineus eggs, temperature and humidity preferences

Temperature
Hinton, H. E., 1977, J. Insect Physiol., v. 23 (7), 785-800
Haematopinus suis, functional significance of structures of eggshell, how egg maintains low equilibrium temperature in direct sunlight, brief complementary observations on other Anoplura and some Mallophaga

Temperature
Hoffman, G. L.; et al., 1979, J. Fish Dis., v. 2 (2), 153-157
Chilodonella hexasticha on Ictalurus punctatus and Cassius auratus (gills of both), occurrence at new water temperature optimum, histopathology: North America

Temperature
Holbrook, T. W.; and Parker, B. W., 1979, Am. J. Trop. Med. and Hyg., v. 28 (6), 984-987
Naegleria fowleri incubated on chick embryos, effects of embryo age and temperature on maintenance, infectivity maintained after 25 serial passages

Temperature
Crithidia oncophelit, motile response of flagellum to changes in temperature, pressure, and viscosity of environment, results provide information about mechanochemical cycle which bends flagellum

Temperature
Honzakova, E., 1971, Folia Parasitol., v. 18 (2), 155-159
Ticks, survival, submerged in clear water, water containing litter, various temperatures, laboratory experiments

Temperature
Pseudodactylogyrus microchris on Anguilla anguilla (gills), influence of water temperature on oviposition, hatching and development of parasite

Temperature
Dactylogyrus nasalis on Rutilus rutilus, occurrence in relation to season and host age, localization on host at different stages of infection, life span of worms: Lake Verknee Vrevo, Leningrad oblast

Temperature
Naegleria, viability of pathogenic strain in water media (public water supply, swimming-pool, inland lake) at various temperatures

Temperature
Jarroll, E. L., jr., 1979, Parasitology, v. 79 (2), 183-193
Bothriocephalus rarus, natural and experimental infections of copepod intermediate hosts, distribution and abundance in adult and larval Notophthalmus viridescens, parasite recruitment by N. viridescens, seasonal cycles in population structure, intensity of infection, maturation, and reproduction, effect of temperature on egg development

Temperature
Lepeophtheirus salmonis on Salmo salar, morphology of first and second nauplius, behaviour of free-living larval stages, egg-bearing period and developmental time are inversely related to temperature

Temperature
Karna, D. W.; and Millemann, R. E., 1978, J. Parasitology, v. 64 (3), 528-537
Margaritifera margaritifera, comparative susceptibility of 4 species of salmonid fish determined by examination of caged and uncaged (native) fish, parasite development and associated histopathology, glochidia development in mussels in relation to temperature: Siletz River, western Oregon

Temperature
Ceratixodes putus, incidence on adult and juvenile birds, distribution of various life cycle stages on host in relation to surface temperatures of various sections of body, dates of attacking behavior and development in relation to temperature and microclimate of habitats: east Murmansk
Temperature
Vairimorpha necatrix (potential biological control agent), survival (infectivity) of spores exposed to sunlight, ultraviolet radiation, and high temperature, laboratory and field tests

Temperature
Heligmosomoides polygyrus, mice, infectivity of third-stage larvae, storage time and temperature, larvae lose infectivity when they age, maturation period required for maximum infectivity

Temperature
Trypanosoma cruzi, in vitro. Taccylic trypanomastigotes purified from culture develop into amastigotes, multiply and transform into epimastigotes, increasing incubation temperature accelerates appearance of amastigotes but hinders further development

Temperature
Fasciola gigantica, survival of metacercariae on rice plants exposed to various room temperatures and relative humidities for varying lengths of time, infectivity to rabbits (exper.), significance in use of rice stems as cattle feed

Temperature
Gasterophilus intestinalis 3rd instars artificially removed from stomachs of horses at various times of year, viability and maturation potential, effect of holding temperatures, humidity, and instar maturity on rate of development and percent pupation and eclosion

Temperature
Echinocoeulus sinensis from Crassostrea gigas acclimated in laboratory to various temperatures, successful experimental infection of kittens and number of worms found in tissues appear to be directly temperature dependent

Temperature
Amphipsylla rossica, ecology, field and laboratory studies: feeding, reproduction, development, survival, and longevity under various conditions of temperature and humidity; age composition and physiological state of populations in different months; abundance on Microtus arvalis and in its nests and burrow entrances in different months: Transcaucasian highlands

Temperature
Gyrodactylus sp., size of anchors and marginal hooks on opisthaptor, seasonal variation, dependence on water temperature, natural and experimental evidence

Temperature
Spirocnucleus muris, faecal cysts, resistance to physical and chemical factors tested, data may be useful for control of infection in rodents and for cryopreservation of parasite

Temperature
Lengy, J., 1974, Israel J. Zool., v. 22 (2-4), 1973, 75-82
Strongyloides ratti filariform larvae, albino rats (exper.), viability and infectivity after exposure to various temperature regimes

Temperature
Trypanosoma cruzi, comparison of growth and development in 199 medium with inactivated calf serum or with chicken embryo cells at 37° and 33° C

Temperature
Polystoma integerrimum from Rana temporaria, hatching rhythm of oncomiracidia under different experimental conditions of light and darkness and temperature

Temperature
Dermacentor variabilis, adult females, equilibrium weight at near saturation found to be a function of temperature

Temperature
Plasmodium berghei, mice acclimated to 22°C or 5°C before infection, some treated with clofibrate and some briefly exposed to -35°C after infection, parasitemia and plasma free fatty acid levels

Temperature
Madel, G., 1971, Folia Parasitol., v. 18 (1), 85-91
Crivellia silenus, goat, larval stages described, influence of field temperatures on development: Badakhshan, Afghanistan

Temperature
Africana bufonis, in vitro survival with different pH values and at different temperatures
Temperature
Dermatobia hominis, survey of lesions in Zebu cow hides of different colors, possible explanation (involving thermal gradient) for higher parasite distribution in dark colored hides: Brazil

Temperature
Giardia, concentration and purification of cysts from feces, induction of and determination of factors involved in excystation, effect of various storage temperatures on survival as determined by cultural excystation method

Temperature
Ostertagia ostertagi, Cooperia oncophora, arrested development, seasonal effects on conditioning and deconditioning of infective larvae were minimal

Temperature
Michel, R.; and Hohmann, R., 1979, Ztschr. Parasitenk., v. 60 (2), 123-133
Entamoeba histolytica, attachment to glass surfaces at different temperatures, and pH values in presence of cytochalasin B, colchicine, and vinblistine

Temperature
Mirozova, L. M., 1972, Parazitologiia, Leningrad, v. 6 (3), 252-258
Sinergasilus lieni, life cycle and biology: description of developmental stages, rate of development, duration of life, numbers of generations, incidence and intensity on fish hosts, effect of temperature and hydrochemical conditions: Moskovsk oblast; Krasnodarsk krai

Temperature
Haemonchus contortus, survival of infective larvae at various temperatures, laboratory conditions

Temperature
fish parasites, effects of salinity and temperature on development and survival of parasitic and free-living stages

Temperature
Plasmodium berghei berghei, mice infected and maintained in hot ambient temperature undergo chronic infection whereas controls at laboratory temperature develop acute and lethal infection, the hot environmental temperature does not seem to affect the parasites' pathogenicity but to stimulate host immune defenses

Temperature
Plasmodium berghei berghei in mice maintained at high temperature (35°C), certain parasite: (less than 30%) show atypical morphology (gigantism), amount of DNA is higher than in parasites from mice grown at 20-22°C, no evidence of relationship between increase in DNA and morphological modification

Temperature
Trypanosoma cruzi, effects of low and high temperatures on development in triatomines

Temperature
Ni, G. V., 1973, Parazitologiia, Leningrad, v. 7 (1), 75-78
leptomonads, differentiation of pathogenic (Leishmania tropica major) from non-pathogenic strains by their reaction to increased incubation temperatures in vitro

Temperature
Ichthyophthirius multifilis and other 'Ich-like' parasites of freshwater fishes appear to be limited in distribution and infectivity by temperature tolerances of their hosts, possible existence of multiple physiological races or even species possibly in more than one genus

Temperature
Nollen, P. M.; Samizadeh-Yazd, A.; and Snyder, D. E., 1979, J. Parasitol., v. 65 (5), 772-776
Philophthalmus spp., longevity and hatchability of miracidia, effects of salinity, pH, and temperature

Temperature
Norval, R. A. I., 1978, J. Parasitol., v. 64 (5), 910-917
Amblyomma hebraeum, repeated feeding on rabbits and sheep, tick yield, engorged weight, and engorgement period, no acquisition of resistance by host, seasonal fluctuations in engorged weights appear to be due to changes in host physiology as result of low temperature acclimatization, tick yield is determined by amount of host grooming, feeding periods of larvae and nymphs are dependent on host skin temperature

Temperature
Novak, M., 1978, Experientia, v. 34 (9), 1149
Taenia crassiceps, heat- and cold-stressed mice harbored significantly less cysticerci than controls, effect more pronounced in heat-stressed than in cold-stressed animals and more in males than in females, results show that environmental temperature affects growth of cysticerci in mice

Temperature
Mesocestoides corti in mice of both sexes, effect of environmental temperature on intra-peritoneal tetrathyridial populations and on liver weight and infection
Temperature

Vairimorpha necatrix, storage of infective spores in antibiotic solution at 4°C

Temperature

Gasterophilus spp., horses, monthly dynamics, influence of different climatic factors: Havana province, Cuba

Temperature

Pye, A. E.; and Burman, M., 1978, Exper. Parasitol., v. 46 (1), 1-11
Neoaplectana carpopucaseae (potential biological control agent) in Hylobius abietis: dose-mortality and concentration-mortality studies, nematode dispersal, invasion route, host mortality in relation to temperature and to insect stage and condition; nematode reproduction, optimal temperature

Temperature

Rep, B. H.; and Bos, R., 1979, Tijdschr. Diergeneesk., v. 104 (19), 747-758
Uncinaria stenocephala, dogs (exper.), worm population and topographical distribution in host intestine, prevalent and patent period, rhythm of daily worm-egg counts; egg and larval survival at low temperatures; natural infections in foxes and experimental cross-infections between dogs and foxes, epidemiological implications: Netherlands

Temperature

Psoroptes cuniculi-infected (exper.) vs. uninfected Oryctolagus cuniculus 'famil.', measurements of skin temperature, rectal temperature, heart rate, and respiratory frequency under thermoneutral conditions

Temperature

Cysticercus cellulosae, in vitro evagination, comparison of several artificial media, optimal temperature

Temperature

Cysticercus cellulosae in swine meat fragments, effect of refrigeration temperature and salt on viability

SUBJECT HEADINGS
Temperature
Robertson, D. A., 1979, J. Fish Dis., v. 2 (b), 481-491
Ichthyobodo necator on farmed salmonids, prevalence and intensity in relation to time, temperature, and host age; suggested that some form of host defense mechanism is operating: central Scotland

Temperature
Trichostrongylus axei, T. colubriformis, effect of temperature on development of parasitic stages, controlled conditions; behavior of both species similar, but developing stages of T. axei had greater ability to withstand adverse conditions

Temperature
Fasciola hepatica, development of redial generations in Lymnaea truncatula in relation to temperature, desiccation of habitat, and host body size

Temperature
Rumiantsev, E. A., 1972, Parazitologiya, Leningrad, v. 6 (5), 416-418
Dactylogyrus populations on Rutilus rutilus, effect of annual changes in water temperature on time of infection peak: Kuito lakes, northern Karelia

Temperature
Strongylid nematodes of horse, free-living stages, effect of temperature on hatching time and development rates

Temperature
Sankurathri, C. S.; and Holmes, J. C., 1976, Canad. J. Zool., v. 54 (10), 1742-1753
parasites and commensals (Oligochaeta and larval Digenea) of Physa gyrina in control area vs. area affected by thermal effluents, prevalence, seasonal changes, interactions (including ingestion of cercariae by oligochaete), ecological model: Lake Wabamun, Alberta

Temperature
Argulus foliaceus, localization on integument of Xiphophorus helleri and occurrence of free-swimming parasites in relation to water temperature and to parasite age and sex

Temperature
Shadduck, J. A.; and Polley, M. B., 1978, J. Protozool., v. 25 (4), 491-496
Encephalitozoon cuniculi, propagation in vitro using rabbit choroid plexus (RCP) cells, some factors influencing infectivity and replication (passage level of organisms; passage level, age, and source of RCP cells; antibiotics; storage time and temperature including freezing; elevated temperature; chemical disinfectants; centrifugation; physical and chemical treatments)

Temperature
Anaplasma marginale outbreak in non-preimmunized Jersey cattle imported from United States and Denmark to farm in Bihar, clinical symptoms and pathological findings, epizootiological factors responsible for outbreak (high ambient temperature, stress of vaccination for rinderpest virus, presence of tick vectors), control achieved through chemotherapy of sick and healthy animals, removal of vectors, and housing in cool sheds; outbreaks in exotic herds could be avoided if cattle were imported in early winter: India

Temperature
ECHinooccus granulosus, protoscolices, destructive action of high and low temperatures; lysol and creolin most destructive of chemicals tested

Temperature
Cooperia oncophora, calves (exper.), larvae conditioned at certain temperatures prior to infection had inhibited development, photoperiod or presence of light prior to infection did not affect development

Temperature
Haemonchus contortus utkalensis in goats, vulvar configurations, 17 variants identified among 3 phenotypes, seasonal occurrence in relation to temperature and humidity, order of dominance is knobbed > linguiform > smooth except in July when it is knobbed > smooth > linguiform: Ludhiana, India

Temperature
Strongyloides stercoralis, life cycle, larval survival and development under different conditions of temperature, humidity, and pH in soil, water, feces, hogwash, and cow dung, potential for transmission under climatic conditions of Poland

Temperature
Columbicola columbae, survival at low temperatures

Temperature
Elmerial tenella, broiler chickens, varied temperature and moisture regimes, blood biochemistry, host resistance, efficacy of pancoxin plus

Temperature
Amidostomum anseris, eggs and larvae, development, resistance to various temperatures and desiccation under laboratory conditions
Temperature
Amidostomum ansers, development and viability of eggs and larvae during winter and early spring under field conditions: central Poland

Temperature
Strazniki, L. V.; and Davydov, O. N., 1975, Parazitologiia, Leningrad, v. 9 (1), 37-46
3 spp. of fish cestodes, glycogen content of parasites and host tissues, seasonal changes in glycogen content of parasites; effect of experimental exposure to various temperatures on parasite glycogen content, motor activity, and duration of life; effect of starvation on glycogen content of parasite and host in aquariums at various temperatures

Temperature
Sukhanova, K. M.; and Poznanskaia, T. M., 1972, Parazitologiia, Leningrad, v. 6 (3), 216-221
Trichomonas spp. of rodents, resistance to high and low temperatures

Temperature
Sumaliev, P.; and Vasilev, I., 1976, Khel. mintologiia, Sofiia, v. 1, 88-98
Paramphistomum microbothrium, effect of temperature, ultraviolet rays, and X-ray on development of eggs; miracidia hatch in dark but light has strong stimulating effect

Temperature
Wohlfahrtia magnifica, pupal diapause, autumn temperatures and photoperiod as factors, practical importance of stronger autumn control measures to prevent population buildup

Temperature
Rhipicephalus appendiculatus, temperature, humidity, and vegetation, effects on development and survival

Temperature
Philometroides huronensis, morphology, growth, and development of larval stages in copepods, transmission to Catostomus commersoni held at controlled temperatures and photoperiods

Temperature
Trypanosoma cruzi, Venezuelan strain vs. Brazilian strain, factors influencing adaptation, development, and multiplication in local race of Rhodnius prolixus vectors (laboratory strain originally from state of Guaroio, Venezuela)

Temperature
Valenzuela, G., 1979, Bol. Chileno Parasitol., v. 34 (1-2), 31-55
Fasciola hepatica eggs from bile of infected bovines, viability and survival as affected by in vitro development in outdoor temperatures: Valdivia, Chile

Temperature
Schistosoma mansoni cercariae, circadian rhythmic emergence from Biomphalaria glabrata, influences of light and temperature

Temperature
Ornithodoros tartakovskyi, numbers in burrows of various animals, determining ecological factors: southern Tadzhikistan

Temperature
Ornithodoros tartakovskyi, summer distribution in porcupine or terrapin burrows, temperature and humidity conditions: southern Tadzhikistan

Temperature
Lernaeenicus radiatus on Brevoortia tyrannus and Micropogon undulatus, attachment site, seasonality, abundance, and incidence in relation to water temperature and salinity variations: Cape Fear River, North Carolina

Temperature
Wharton, D. A., 1979, Exper. Parasitol., v. 48 (3), 398-406
Ascaris lumbricoides, eggs, effect of humidity on embryonic development, rate of water loss during desiccation, effect of temperature on water loss

Temperature
Fasciola hepatica in Lymnaea truncatula, curvilinear relationship between miracidial density and snail density as manifested by successful establishment of an infection in small host, level of parasitization not related exponentially to temperature, depth of free water overlying mud surface was absolute requirement for miracidia to successfully infect snails

Temperature
Myxobolus insidiosus in Oncorhynchus tshawytscha, epizootiology, factors affecting prevalence of infection in naturally contaminated waters, no infection could be induced in susceptible fish in disease free water supply: Oregon

Temperature
Yamamura, H., 1976, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 25 (2), 80-85
Toxoplasma oocysts, No. 1 and Fukaya strains, effects of low temperature and dryness on viability

SUBJECT HEADINGS
Temperature
Terminology


trypanosome populations, problems in characterization and nomenclature, review

Terminology

Maggenti, A. R., 1979, J. Nematol., v. 11 (1), 94-98

Nematata, proposal for system of cuticular nomenclature based on strata observed in Enoplis

Terminology


Sporozoa, subphylum Apicomplexa, terminology for invasive stages, only two basic terms (sporozoite and merozoite) are currently recognized

Terminology

Skrjabin, K. I.; Shul'ts, R. S.; and Gvozdev, V. V., 1971, Parazitologiya, Leningrad, v. 5 (2), 179-181

clarification of the concept 'helminths' as an ecological (but not a taxonomic) group within the superphylum Scolecida

Terminology


helminth life cycles, role of amphixeny (host having double function in life cycle) in their evolution, theoretical review

Testis. See Gonads.

Texas. See United States, Texas.

Textbooks. See Acarology, Manuals and textbooks; Entomology, Manuals and textbooks; Helminthology, Manuals and textbooks; Meat inspection, Manuals and textbooks; Parasitology, Manuals and textbooks; Pharmacology, Manuals and textbooks; Protozoology, Manuals and textbooks; Technique, Manuals and textbooks; Tropical diseases, Manuals and textbooks; Veterinary science, Manuals and textbooks.

Thailand


survey of intestinal helminths of villagers in agricultural area near Bangkok, Thailand

(hookworm, Ascaris lumbricoides, Trichuris trichiura, Strongyloides spp., Enterobius vermicularis, large and small intestinal flukes, O. viverrini, Taenia spp.)

Thailand

Bierdrager, J., 1976, Therap. Gegenw., v. 115 (7), 1260-1269

helminths of public health importance in Thailand, general review
Tick-borne diseases


Thailand

tick-borne diseases in children in primary schools from the provinces of Chumphon and Nakorn-Nayok, Thailand (Necator americanus; Ancylostoma spp.; Ascaris lumbricoides; Trichuris trichiura; Strongyloides stercoralis; Giardia lamblia; Entamoeba coli; E. histolytica; Endolimax nana)

Thailand

Chullabuepa, C.; et al., 1971, Siriraj Hosp. Gaz., v. 23 (10), 1433-1442

intestinal parasites, humans, incidence survey, out-patient clinic: Siriraj Hospital, Thailand (Ascaris; Giardia lamblia; hookworm; Entamoeba histolytica)

Tick-borne diseases


future control of ticks and tick-borne diseases of cattle, losses from ticks, tick-borne diseases, review: South Africa

Tick-borne diseases


Babillhar, activity for toxicity under conditions of high temperature and low humidity, no hematologic changes

Tick-borne diseases

ticks mainly of humans and domestic animals, population dynamics in absence of cattle dipping operations, incidence of tick-borne disease, regional distribution related to climate, land utilization, and dipping: Kandeya Tribal Trust Land, northeast Rhodesia

Tick-borne diseases

multiple articles on tick biology, control of ticks and disease, tick-borne protozoa, viruses, and rickettsiae

Tick-borne diseases

tick borne diseases of cattle, control methods, brief review

Tick-borne diseases


survey of tick-borne protozoa in domestic animals, spring-summer distribution: Jordan

Tick-borne diseases

Smith, R. D., 1977, Intericiencia, v. 2 (6), 355-344
current world research on ticks and tick-borne diseases of food producing animals, review

Tick paralysis. See Part 5, Arthropoda and Miscellaneous phyla.

Tissue culture. See Culture.
Toxicity
schistosomiasis, human, hyacanthone, acute hepatic toxicity

Toxicity

Toxicity
Angus, K. W.; and Greig, A., 1979, J. Comp. Path., v. 89 (4), 605-607
anthelmintic dose of carbon tetrachloride, lamb, acute poisoning, renal and hepatic calcification

Toxicity
Ansdell, V. E.; and Common, J. D., 1979, J. Trop. Med. and Hyg., v. 82 (9-10), 206-207
Giardia lambia, 21-year-old Kenyan Asian, corneal damage after therapy with mepacrine: London

Toxicity
Aronson, C. E.; and Serlick, E. R., 1977, Biochem. Pharmacol., v. 26 (23), 2297-2305
disophenol, effects on isolated perfused rat heart

Toxicity
mebendazole toxicity in parakeets

Toxicity
Dirofilaria immitis, dogs, acute haemolytic anaemia suspected to have been induced by levamisole hydrochloride

Toxicity
isometamidium chloride hydrochlorate, dromedary and domestic mammals, toxicity

Toxicity
Baltsch, H.; et al., 1978, Mutation Research, v. 58 (2-3), 135-142
praziquantel, absence of mutagenic activity in bacteria, yeasts, insects, and mammalian cells, short-term assays, anti-schistosomal effectiveness of this drug is not related to mutagenic activity

Toxicity
Ornithodorus tholozani, rats (exper.), laboratory and field evaluation of 9 repellents, pyrethrum far superior, o-vanillin and ephedrine more effective than other remaining repellents but toxic to host

Toxicity
hexachlorophene, toxicity, dogs, case reports

Toxicity
Ascaris suum, Trichuris suis, Stephanurus dentatus, pigs, fenbendazole, drug trials, good results, no adverse effects

Toxicity
Batzing, R. P.; and Bueding, E., 1977, J. Pharmacol. and Exper. Therap., v. 200 (1), 1-9
mutagenic activities in vitro and in vivo of 5 antischistosomal compounds, comparative anti-Schistosoma mansoni activities of hyacanthone, IA-4, and IA-4 N-oxide, observations provide evidence that mutagenic activities can be dissociated from desired chemotherapeutic effects by suitable structural modifications

Toxicity
Benazet, F.; et al., 1970, Scand. J. Infect. Dis., v. 2 (2), 139-143
intestinal and hepatic parasites, nitroheterocyclic antiparasitics, laboratory studies of chemotherapeutic activity and toxicity in exper. animals

Toxicity
Bentley, O. E.; et al., 1978, Vet. Med. and Small Animal Clin., v. 73 (1), 70-75
horses, pyrantel pamoate + trichlorfon, field trials, results show that drugs are safe for horses when preceded by a feeding of grain or a complete horse ration, mild side effects: Kentucky; Alabama; Texas; Kansas

Toxicity
mefenofonate, sheep, toxicity

Toxicity
Dermanecteron muttallii, sheep, trichlorphon, spray and pour-on methods evaluated, results show that pour-on most effective and economical; not more than 4 consecutive applications permissible, more applications cause decline in cholinesterase activity
Toxicity

Trichuris trichiura, uncinariasis, humans, efficacy of bitoscanate, side effects

Toxicity

mixed hookworm and roundworm infection, man, treatment with tetramisole resulted in transient optic neuritis

Toxicity

nematodes and cestodes of dogs and cats, efficiency and safety of nitroscanate, comparison with mebendazole, bupamidine hydrochloride and praziquantel

Toxicity

Borland, E. D., 1979, Vet. Rec., v. 105 (10), 169
nervous syndrome in pigs, suspected furazolidone toxicity

Toxicity

Hyperderma-infected or uninfected calves, treatment with fenbendazole or trichlorfon, blood histamine levels, circulating antibody titers to Hyperderma lineatum antigen in infected calves; blood histamine levels in guinea pigs after injection of ground-up Hyperderma lineatum larvae or application of fenbendazole

Toxicity

Buckner, D. A.; Bueding, E.; and Voge, M., 1979, J. Parasitol., v. 65 (3), 473-474
Trichomonas vaginalis, mice, lack of obligatory association between mutagenic and antichromosomal effects of metronidazole

Toxicity

Schistosoma mansoni, 3,100 patients treated with hyacanthone, tolerance, cure rate, toxicity, indications for use, and proposed dosage schedule: Brazil

Toxicity

yacanthone therapy resulting in fatal massive hepatic necrosis, child, case report

Toxicity

Schistosoma haematobium, 11-year-old girl, case report, fatal hepatic necrosis associated with hyacanthone therapy: South Africa

Toxicity

Buizy, O.; et al., 1979, Cancer Research, v. 39 (12), 4996-5002
niridazole, rats, induction of kidney tumors

Toxicity

toxicity of levamisole in psittacine birds, reactions to parenteral administration not much more drastic than from oral dosing of tetramisole

Toxicity

significantly higher mortalities found in nicarbazine fed chickens than in amprolium fed chickens when exposed to same heat stress conditions

Toxicity

Trypanosoma cruzi, human chronic infections, clinical trials of nifurtimox, toxicity

Toxicity

Plasmodium berghei, P. cynomolgi, experimental animals, resolution of antimalarial agents via complex formation with α-(2,4,5,7-tetranitro-9-fluorenylideneaminoxy)propionic acid, significant differences in toxicity

Toxicity

Schistosoma mansoni, young woman, toxic hepatitis after hyacanthone therapy for hepatic-intestinal schistosomiasis, combined cumulative effects of hyacanthone and oral contraceptive thought to be causative factors: Belo Horizonte, Brazil

Toxicity

Chawthorne, M. A.; et al., 1971, Research Vet. Sci., v. 12 (6), 516-520
sheep, carbon tetrachloride toxicity markedly increased by prior administration of DDT, ethyoxyquin given 24-48 hr before CCl₄ prevented toxicity, ethyoxyquin did not diminish fasciolicidal action of CCl₄

Toxicity

acaricide-treated zebu cattle, blood cholinesterase, radiometric assay

Toxicity

Choudhry, V. P.; et al., 1978, Trop. and Geogr. Med., v. 30 (5), 531-535
malaria, chloroquine-induced haemolysis and acute renal failure in children with glucose-6-phosphate dehydrogenase deficiency

Toxicity

Chubb, J. M.; et al., 1978, J. Pharmacol. and Exp. Therap., v. 207 (2), 284-293
praziquantel, effects on electromechanical properties of isolated rat atria

Toxicity

Moniezia benedeni, M. expansa, calves, albendazole, anthelmintic efficacy at 4 dose levels, no signs of toxicosis

Toxicity

Cohen, C., 1978, Gastroenterology, v. 75 (1), 103-106
schistosomiasis, case reports of hepatic toxic hepatitis with massive hepatic necrosis in patients treated with intramuscular hyacanthone
Toxicity

Toxicity

Toxicity

Toxicity

Toxicity

Toxicity

Toxicity
Deeg, H. J.; et al., 1979, Transplantation, v. 28 (3), 243-246 effect of trimethoprim-sulfamethoxazole on hematological recovery after total body irradiation and autologous marrow transmission studied in dogs, results show that drug can be given safely and probably prevents very early cases of Pneumocystis carinii pneumonia

Toxicity

Toxicity

Toxicity
Desowitz, R. S.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (6), 1148-1151 Dirofilaria immitis-infected dogs with severe adverse reactions after diethylcarbamazine treatment, rapid and marked decrease in precipitating and reaginic antibodies, possible model for reactions in human filariasis

Toxicity

Toxicity
Duke, E. O. L., 1977, Tropenmed. u. Parasitol., v. 28 (4), 447-455 Onchocerca volvulus, chimpanzees, penta- dine, stibocaptate, nifurtimox, 3 other compounds, macro- and microfilaricidal action, toxicity

Toxicity

Toxicity
El-Abdin, Y. Z.; Hamza, S. M.; and El Refaii, A. H., 1977, Egypt. J. Vet. Sc., v. 13 (2), 1976, 77-84 Theileria annulata, cattle, imidocarb dihydrochlordide, serum enzyme activities and chemical constituents before and after treatment

Toxicity
El-Kholy, Z. A.; et al., 1979, Biochem. Pharmacol., v. 28 (21), 3171-3172 Schistosoma mansoni-infected and normal mice, effect of astiban on a-glucuronidase activity in liver, spleen, kidney, and bladder homogenates

Toxicity
Farahmandian, I.; Sheiban, F.; and Sanati, A., 1978, J. Trop. Med. and Hyg., v. 81 (7), 139-140 Giardia lambia, humans, evaluation of efficacy of single dose therapy with tinidazole, test findings of high cure rate with low side effects observed, recommended for both individual and mass therapy: Iran

Toxicity
Ferraz, M. P. T.; et al., 1973, Rev. Paul. Med., v. 81 (5), 275-278 Schistosoma mansoni, symptomatic psychosis in 2 persons who had received hycanthone treatment for schistosomiasis, case reports: Brazil

Toxicity

Toxicity

Toxicity
Fox, J. E., 1978, Mod. Vet. Pract., v. 59 (8), 599-603 bovine coccidiosis, review, emphasis on prevention and control; field tests, decoquinate against Eimeria bovis and E. zuernii prevented clinical signs of disease with no observable signs of toxicity
Toxicity
Fuglsang, H.; and Anderson, J., 1977, Tropenmed. u. Parasitol., v. 28 (4), 439-446
Onchocerca volvulus, single dose of metrifonate, microfilaricidal effects, side effects (more well tolerated than diethylcarbamazine): Cameroon

Toxicity
Fasciola hepatica-infected and uninfected sheep treated and not treated with 3 fasciolicides (fasciolicin, distolon, and zanii), blood serum levels of Ca, P, Na, K, and Mg

Toxicity
nematodes, cestodes, mebendazole, controlled test, naturally infected dogs or cats; toxicity, absorption and elimination of mebendazole, non-infected dogs, cats and guinea pigs

Toxicity
[Schistosoma] mansoni, human, hycanthone, hepatic failure and death, case report, pathologic findings

Toxicity
disseminated intravascular coagulation with haemolytic anaemia and thrombocytopenia, fatal illness in man probably caused by malariyal prophylaxis (pyrimethamine and chloroguanide): Johannesburg, South Africa (from Zambia)

Toxicity
schistosomiasis, humans, hepatitis and other hepatic pathology after hycanthone therapy

Toxicity
Gottschall, J. L.; et al., 1979, Lab. Invest., v. 41 (1), 5-12
morphologic changes of rat type II pneumocytes induced by oxytetracycline, may be important in interpreting studies of experimental infections with Pneumocystis carinii

Toxicity
oxuriasis, man with terminal renal failure receiving long-term hemodialysis, severe toxic reaction from piperazine therapy, case report; piperazine contraindicated in patients with renal failure

Toxicity
Guerra, M. de O.; et al., 1974, Rev. Ginec. e Obst., Sao Paulo, v. 131 (9-10), 241-245
administration of schistosomal drug hycanthone to lactating rats, offspring had decreased liver weight and evidence of liver damage, possible excretion of drug or its metabolites into mother's milk or alteration of milk metabolism by drug

Toxicity
Haigh, J. C., 1979, J. Zoo Animal Med., v. 10 (3), 103-105
levamisole phosphate, Anas platyrhynchos and mixed group of waterfowl, effectiveness in reducing fecal egg count, toxicity

Toxicity
Hanumanante, M. M.; and Kulkarni, S. S., 1979, Bull. Environment. Contam. and Toxicol., v. 23 (6), 725-727
acute toxicity of mercuric chloride and pentachlorophenol to Channa gachua

Toxicity
vaginal trichomoniais, patients, metronidazole, no chromosome-breaking activity was found, safe drug for short-term treatment

Toxicity
Hartley-Asp, B., 1979, Mutation Research, v. 67 (2), 193-196
metronidazole exhibits no cytogenetic effect in micronucleus test in mice or on human lymphocytes in vitro

Toxicity
Hayashi, T.; et al., 1978, Bull. Fac. Agric. Tottori Univ., v. 30, 82-88
Theileria sergenti, grazing cattle, administration of pamaquine probably causes blood coagulation disorders

Toxicity
deaths in cattle after administration of large doses of thiabendazole

Toxicity
Eperythrozoon suis, swine, clinical signs of infection confirmed by indirect hemagglutination and measuring packed cell volume; oxytetracycline and arsanic acid combined with lice control, arsenic toxicity

Toxicity
Higashi, G. I.; and Farid, Z., 1979, Brit. Med. J. (6194), v. 2, 830
Schistosoma mansoni, fever in oxamniquine-treated patients, cause uncertain

Toxicity
death of two Hereford-cross bullocks following cambendazole dosing

Toxicity
Hughes, A.; and Gatus, B. J., 1979, J. Trop. Med. and Hyg., v. 82 (6), 120-121
severe megaloblastic anaemia, woman treated with daily dosage of maloprim
Toxicity
Iamov, V. Z., 1977, Veterinariia, Moskva (9), 64-67
[Hypoderma], cattle, ricifon effective, no toxic effects; toxicity tested in white mice; tissues of calves and cow's milk tested for residues

Toxicity
Entamoeba histolytica, therapeutic efficacy of metronidazole and tinidazole compared in persons with hepatic infections, side effects

Toxicity
human urinary schistosomiasis, depression of blood cholinesterase activity during therapy with metophosphine, cautions regarding use of suxamethonium during course of schistosomal therapy

Toxicity
fenthion, pregnant beef cows, no clinical symptoms of toxicity or abortions observed

Toxicity
monensin-natrium, lasalocid, salinomycin, influence of high dosages on heart of chickens

Toxicity
Schistosoma haematobium, humans, clinical trials, oral and parenteral oxamniquine, assessment of tolerance and toxicity: Western Nigeria

Toxicity
Kannaev, A. I.; et al., 1977, Veterinariia, Moskva (10), 103-104
diagnosis of phthalophos poisoning of fish

Toxicity
cysticercus liversmaniasis, man, sodium antimony gluconate, transient electrocardiogram abnormalities which cleared after termination of therapy: Tennessee (had lived in Central and South America for previous 18 months)

Toxicity
Schistosoma mansoni, human early phase or chronic infection, oxamniquine, clinical and laboratory aspects, high therapeutic activity and low toxicity

Toxicity
Schistosoma mansoni, humans, clinical trials with oral oxamniquine, side effects: Brazil

Toxicity
Schistosoma mansoni, sodium antimony dimethylcysteine tartrate, animal and human trials, toxic side effects and electrocardiographic changes in humans

Toxicity
Keller, H.; and Mueller, R., 1979, Berl. Munchen. Tierarztl. Wchnschr., v. 92 (4), 63-
66
dichlorvos, trichlorfon, horses, decrease in plasma cholinesterase activity, concluded that relaxation of horses with succinylcholine should not be carried out within 10 days after exposure to organophosphorus type anticholinesterase agents

Toxicity
monensin sodium toxicity from turkey starter ration in young guinea fowl keats

Toxicity
Schistosoma mansoni, humans, grand mal seizure and transient electroencephalographic changes associated with oxamniquine therapy, case reports

Toxicity
Khayyal, M. T.; et al., 1977, Egypt. J. Bilharz., v. 4 (2), 149-156
Schistosoma mansoni, mice, antimony potassium tartrate therapy given with penicillamine as adjuvant gives same therapeutic results with fewer side effects; ameliorates lipid changes in host but not in parasites

Toxicity
Schistosoma mansoni, effect of niridazole on lipid pattern of worms and serum and liver of infected and non-infected mice

Toxicity
Kinnamon, K. E.; Steck, E. A.; and Rane, D. S., 1979, J. Med. Chem., v. 22 (4), 452-455
Trypanosoma rhodesiense, mice, activity of benzyltriphenylphosphonium salts, toxicity at higher dose levels

Toxicity
Koch, R. L.; et al., 1979, Biochem. Pharmacol., v. 28 (24), 3611-3615
appearance of acetamide derived from metronidazole in conventional rats appears to be mediated by intestinal microflora, acetamide is a weak carcinogen

Toxicity
metronidazole forms N-(2-hydroxyethyl)-oxamic acid, anaerobic metabolism

Toxicity
toxoplasmosis, human, therapy with septrin, poor results with allergic side effects
SUBJECT HEADINGS

Toxicity

Fasciola hepatica total and mitochondrial lipids, ox brain total lipids, and ox heart mitochondrial lipids as sources of bimolecular phospholipid membranes in which proton conductivity induced by aromatic sulfides, sulfoxides, and sulfones correlated with their fasciolicidal effects and permitted toxicity evaluation

Toxicity
Krzyzanowski, J., 1977, Polskie Arch. Wet., v. 20 (1), 17-32

zanil, bulls, no negative influence on quality or fertilizing capacity of semen, no teratogenic action in offspring of bulls

Toxicity

Theileriasis, dairy cow treated with chloroquine and oxytetracycline, chloroquine toxicity causing corneal opacity and possibly abortion

Toxicity

includes extensive review of antiparasitics used in veterinary medicine, toxicity

Toxicity
Lambert, B.; Lindblad, A.; and Ringborg, U., 1979, Mutation Research, v. 67 (3), 281-287

metronidazole and two of its urinary metabolites, no direct genotoxic effect on human lymphocytes in vitro

Toxicity
Le Bars, H.; and Banting, A. de L., 1979, Med. & Chir. Digest., v. 8 (5), 435-441

Fasciola hepatica, exper. in infection in rabbits, sheep, and cattle, variations in blood parameters that reflect alterations in liver function compared with normal values in order to establish standards for studying toxicity of flukicides

Toxicity
Levchenko, F. F., 1978, Veterinariia, Moskva (7), 62-64

Theileria annulata, cattle, chinocide and biguanal treatment effective, treatment with hemostimulin and vitamins and microelements given in feed to counteract anemia and atonicity of digestive tract resulting from therapy: Gissarsk park

Toxicity

Trypanosoma cruzi, humans with chronic infections, laminit, frequent side effects

Toxicity

Trypanosoma cruzi, humans, Ro 7-1051 therapy, side effects

Toxicity

giardiasis, humans, efficacy of various drugs, comparative study, side-effects

Toxicity

Trypanosoma rhodesiense, 16-year-old girl, renal insufficiency after treatment with pentamidine: European visitor to Kagera park, Rwanda

Toxicity
Lindmark, D. G.; and Muller, M., 1976, Antimicrob. Agents and Chemotherapy, v. 10 (3), 476-482

metronidazole and 11 other nitroimidazoles, antitrichomonad activity against Trichomonas foetus. and Trichomonas vaginalis, mutagenic action in Salmonella test, reducibility of nitro group by T. foetus homogenates, results underscore role of reduction of nitro group in antitrichomonad and mutagenic activity of nitroimidazoles

Toxicity

synthetic antimalarials, ocular complications that can result from prolonged use

Toxicity
Luethgen, W., 1979, Tierarztl. Umschau, v. 34 (2), 104, 107-112

Acaridia columbae and Capillaria columbae in Columbia Livia dom., fenbendazole, laboratory and field trials of effectiveness, reversible disorders in feather development were only adverse side effects

Toxicity

levamisole-induced vasculitis in patients with immunological disorders

Toxicity

praziquantel, mutagenicity studies on mice and Cricetulus griseus, no indication of mutagenic action, compared with cyclophosphamide and placebo

Toxicity

Eimeria tenella, chickens (exper.), t-butylaminoethanol alone or in synergistic combination with sulfadoxinealine and pyrimethamine, anticoccidial efficacy, specific reversal of toxicity for parasite and host by choline and dimethylaminoethanol

Toxicity

cattle, nitrite poisoning attributed to feeding monensin sodium, diet of barley straw and grazing turnips, treatment by intravenous injection of methylene blue

Toxicity

Leucocytozoon caulleryi, chickens under field conditions, efficacy of halofuginone and furazolidone alone and in combination, given with feed, furazolidone at high dosage showed some adverse host growth effects, neither drug showed adverse effect on blood picture
Schistosoma mansoni, man treated with hycanthone, development of acute yellow atrophy of liver, fatal illness, case report: Minas Gerais, Brazil

Toxicity Marshall, R. J.; and Ojemole, J. A. O., 1978, Toxicol. and Applied Pharm., v. 46 (3), 759-768
quinoline and nonquinoline antimalarial drugs, effects on isolated guinea pig cardiac muscle


malaria, humans, chloroquine induced retinopathy, 6 cases

Toxicity Migaki, T. T.; and Babcock, W. E., 1979, Poultry Science, v. 58 (2), 481-482
salinomycin, anticoccidial, safety in broiler chickens compared with monensin

neuvon, alterations of free amino acids in animal tissues

rabon, feeding to dairy cows over extended periods, no adverse effects on general health or reproductive performance, negligible milk and tissue residues

furanzolidone, ducks, toxicity, physiopathological changes

droncit, animals and man, toxicity and local tolerance after single and repeated doses, sensitising and teratogenic properties

hydatid cysts, humans, fever following mebendazole treatment possibly a reaction to drug-induced tissue necrosis in cysts

aplastic anaemia and acute myeloblastic leukaemia following chloroquine therapy for malaria and discoid lupus erythematosus, case reports

diazinon exposed vs. normal Indian buffaloes, changes in blood cholinesterase activity and clinical response

mebendazole highly toxic for psittaciformes and columbiformes

discussion of chief effective principles of different flea collars (dichlorvos, diazinon, propoxur), toxicity

Toxicity Nishimura, T., 1977, J. Tokyo Univ. Fish., v. 63 (2), 71-79
sulfamonemethoxine, rainbow trout, toxicity compared with sulfamerazine

Toxicity Nistri, A.; and Arenson, M. S., 1978, Experientia, v. 34 (8), 1046-1047
piperazine, effect on central and peripheral cholinergic synapses of the frog

Toxicity Nozdryn-Plotnicki, Z.; and Owczarewicz, A., 1977, Polskie Arch. Wet., v. 20 (3), 185-191
zanil, rabbits, morphological and histoenzymatic changes in kidneys

progression of retinopathy long after cessation of chloroquine therapy

Toxicity Oldham, R. R.; et al., 1971, South. Med. J., v. 64 (4), 480-482
possible santonin poisoning (hemolytic crisis) in young child treated for worms with ascarel

Toxicity Oleinik, A. P., 1977, Veterinariia, Moskva (5), 65-67
fascioliasis, sheep, diaminopenthide, determining dosage and toxicity levels

Toxicity Ong, T. M., 1978, Mutation Research, v. 55 (1), 43-70
hycanthone and other antischistosomal drugs, general properties, teratogenicity, carcinogenicity, mutagenicity, and other genetically related activities, review

death of horses accidentally fed cattle feed supplement containing monensin
Toxicity
Oripov, A. O., 1978, Veterinariia, Moskva (4), 74-76
Strongylata, sheep, various anthelmintics in granular form tested for mass dehelmintization, no harmful effects, nilverm most effective

Toxicity
azidine, pharmacodynamics, milk cows, calves, chickens, white mice, negative effects on host require supplementary vitamins, minerals, and methionine

Toxicity
sulfadoxynoxaline, death of pups, tentative diagnosis of vitamin K antagonism from drug therapy, case report

Toxicity
human Chagas disease, nifurtimox therapy, development in some persons of an axonal neuropathy involving mainly the lower limbs

Toxicity
diazinon, acute toxicity studies of micro-encapsulated vs. wettable powder formulation applied dermally to calves and steers

Toxicity
derind, toxicity in bullocks treated for tick infestation: Purmoti, Azamgarh (U.P.)

Toxicity
Panitz, E., 1979, Parasitology, v. 78 (1), 33-40
Eimeria spp., chicks, anticoccidial efficacy and cross-resistance patterns of N,N'-bis (3,4 difluoromethylphenyl) methilamido compound have no practical application because of weight gain depression

Toxicity
Schistosoma mansoni, humans, oxamniquine, clinical trials, undesirable effects monitored

Toxicity
Schistosoma mansoni, observations on oxamniquine therapy: treatment of children, drug resistance of human strain as well as its resistance to pyrantel, hepatic histopathology during therapy, neurotoxic effects, treatment of mixed salmonellosis infection

Toxicity
oxfendazole, reproductive safety in sheep and cattle

Toxicity
Pieczczyk, J. P., 1979, Canine Pract., Santa Barbara, v. 6 (6), 51-52
chemical burn and toxicity in dog treated with flea dip that had been improperly stored

Toxicity
Plisek, K., 1974, Veterinaria, Praha, v. 16 (5-6), 589-640
coccidiosis, survey of currently used substances, toxicity, modes of application, review

Toxicity
, Plisek, K.; Billova, V.; and Malhocka, A., 1977, Veterinaria, Praha, v. 19 (6), 49-71
dimetridazole, mice, chicks, acute and chronic toxicity; administration in therapeutic concentrations is safe in above animal species

Toxicity
Potemkin, V. I.; and Nadiradze, O. Z., 1977, Veterinariia, Moskva (9), 67-88
[Hypoderma], cattle, chlorophos (Hypoderma-cide), effective, low toxicity

Toxicity
Quaderi, M. A.; et al., J. Trop. Med. and Hyg., v. 81 (1), 16-19
human hepatic amoebiasis, clinical diagnostic features, treatment trials with tinidazole, 100% cure rate at 2-month follow-up, some side effects: Bangladesh

Toxicity
Leishmania donovani, golden hamsters, HOE 668 compared with known antileishmanial drugs, toxicity precludes further development but very good anti-leishmanial action qualifies it as standard compound in screening tests

Toxicity
P soroptes ovis, cattle (exper.), phosmet, efficacy of single and double treatments at various concentrations, some signs of toxicity

Toxicity
amitraz, horses, toxicity experiments, large intestinal impaction: Australia

Toxicity
Rognoni, V.; and Sagone, I., 1976, Riv. Ostet. e Ginec. Prat., v. 56 (6), 544-551
Trichomonas vaginalis, human vaginal infections, nifuratel, results of various therapeutic schemes compared, results from other studies compared, possible toxicity studied

Toxicity
Babesia microti, 65-year-old man, treated with diminazene aceturate after failure to respond to chloroquine therapy, development of acute idiopathic polyneuritis: Nantucket Island

Toxicity
Chagas disease, humans with psychiatric disturbances, symptoms intensified by nifurtimox therapy, disappearance or diminution of symptoms when drug was discontinued
Toxicity
Saad, A. A.; et al., 1978, Biochem. Pharmacol., v. 27 (4), 475-474
Schistosoma mansoni-infected and normal mice treated with hycanthone, progressive and prolonged increase in 8-glucuronidase activity in liver and spleen homogenates, concluded that hycanthone is hepatotoxic drug and is possibly carcinogenic in mice

Toxicity
St. Omer, V. V., 1978, Vet. Med. and Small Animal Clin., v. 73 (9), 1125-1128, 1132
furazolidone, toxicity in animals, review

Toxicity
Schistosoma mansoni, S. haematobium, humans, clinical trials testing efficacy of single dose therapy with hycanthone, some gastrointestinal side effects, cure rates of about 90% with significant reduction in egg excretion in those who were not cured: Sudan

Toxicity
haemorrhagic syndrome in chickens, possibly associated with use of amprolium as coccidiostat, case report: Vom, Nigeria

Toxicity
urinary schistosomiasis, 10-year-old boy, sodium antimony gluconate treatment caused acute poisoning with myocardial involvement, suggestions for management

Toxicity
Scheinberg, M. A.; et al., 1978, Brit. Med. J. (6110), v. 1, 408
levamisole induced cutaneous necrotising vasculitis, case report

Toxicity
Plasmodium spp. in monkeys, floxacin, lacking in radical curative activity, significant prophylactic activity but with requirement for daily dosage, untoward host reaction

Toxicity
Sethuraman, V.; and Verma, B. B., 1978, Indian J. Animal Sc., v. 48 (8), 622-625
carbon tetrachloride toxicity, healthy huffalo calves, clinical, haematological, and biochemical changes

Toxicity
Sfikakis, P.; et al., 1971, Therapeutique, v. 47 (4), 383-385
chloroquine administered to normal subjects, no cardiotoxicity observed

Toxicity
inhibition of citrate oxidation in rat liver by the antischistosomal drug bilharzid, inhibition decreased by time, addition of citrate protected the enzyme against inhibitory action of the drug if administered before the bilharzid

Toxicity
Sharma, R. D.; and Gautam, O. P., 1977, Haryana Vet., v. 16 (1), 19-26
Babesia caballi, B. equi, horses, case reports, haematological changes, benenil, some adverse reactions

Toxicity
Dictyocaulus, sheep, divezid, nilverm, and cyazone, changes in lung tissue of sheep and some tissues of parasite resulting from drug action

Toxicity
Shlosberg, A.; and Egyed, M. N., 1979, Vet. and Human Toxicol., v. 21 (1), 1-3
coccidiostat dibutylytin dilaurate inadvertently introduced into feed, mass poisoning in cattle, palm doves, and mink: Israel

Toxicity
Shmidl, J. A.; et al., 1978, Vet. Med. and Small Animal Clin., v. 75 (6), 775-776, 781
febazet paste and suspension, horses, toxicology evaluation

Toxicity
safety evaluation of concurrent administration of febazet and trichlorfon in paste and liquid forms to horses, no significant toxic effects

Toxicity
S [chistosoma] mansoni, human, non endemic area, oxamniquine, severe pain at injection site

Toxicity
schistosomiasis with minor parasitism of distomiasis, ascariasis, trichocephaliasis, woman with presenting symptoms of adrenal insufficiency, cortisone therapy resulted in aggravated symptoms and asthenia, parasitism diagnosed, piperazine therapy resulted in toxic neurologic reactions, illness resolved after niridazole therapy: France (had resided in Central African Republic)

Toxicity
Hymenolepis nana, rats, mice, 2'-chloro-1-hydroxy-2-naphthanilide-4'-isothiocyanate, synthesis and cestodicial activity, highly effective and safe, comparative efficacy with yomesan; further tests showed marked activity against H. diminuta in rats and Taenia sp. in dogs

Toxicity
mebendazole, toxicity for Columbiformes and Psittaciformes questioned

Toxicity
dichlorvos, sows and growing pigs, unformulated vs. slow-release polyvinyl chloride resin formulation, pharmacology and safety
Toxicity
trimethoprim-sulfamethoxazole, child, hepatic injury

Toxicity
acedist, dovenix, treated sheep, residues in milk, effect on blood biochemical indices

Toxicity
coccidiosis, chicks, sulphacombine, acute and subacute toxicity studies

Toxicity
Stuart, J. C., 1978, Vet. Rec., v. 102 (14), 303-304
monensin toxicity in turkeys aged 25 weeks and older

Toxicity
schistosomiasis mansoni, humans with chronic infection, electrocardiographic alterations after hycanthone therapy

Toxicity
Vecherkin, S. S.; et al., 1977, Veterinariia, Moskva (10), 77-78
theileriasis, cattle, Peganum harmala alkaloids effective, no harmful or cumulative effects

Toxicity
oxyclozanide, treatment of roots of Allium cepa induced mitotic aberrations

Toxicity
Schistosoma mansoni, 13-year-old child, hepatic and psychotic manifestations after hycanthone therapy: Brazil

Toxicity
mefloquine (new antimalarial compound) effect on mitogen-induced human and mouse lymphocyte proliferative responses, effect on antibody responses and delayed-type hypersensitivity responses to sheep red blood cells in treated mice

Toxicity
primaquine possesses potent immunosuppressive activity at concentrations within therapeutic range for vivax malaria

Toxicity
Thylefors, B.; and Rolland, A., 1979, Bull. World Health Organ., v. 57 (3), 479-480
Onchocerca volvulus, suramin-treated patients, increased incidence of optic atrophy

Toxicity
Chagas disease, humans with neurologic disturbances, symptoms aggravated by nifurtimox therapy

Toxicity
Vlasenko, M. I.; and Meshcheriakova, A. A., 1977, Veterinariia, Moskva (4), 75-78
Chilodonella cyprini, Ichthyophthirius multifiliis, [Costia], fish, formalin solution for control, toxicity tested and safe levels established
Toxicity
Volont, L. A.; Rudakov, V. V.; and Nikolaevskaya, E. B., 1979, Khimiko Farm. Zhurnal, v. 13 (6), 10-12
amphorines, inhibition of activity of some cholinesterases, possible role in molecular mechanism of side effects in livestock

Toxicity
Schistosoma mansoni, humans, dose-response to hyancanthone established for 3 dosage levels using less drug than that recommended on drug packaging, possible use of these decreased levels for mass therapy especially in endemic areas as a means of avoiding severe toxic reactions

Toxicity
Willgoth, F.; and Rummel, W., 1979, Fortschr. Med., v. 97 (4), 2180-2186
drugs in pregnancy and lactation, includes anthelmintics, adverse effects, review

Toxicity
Giardia lambia, serum sickness in 2 persons who had received furazolidone therapy, possible incrimination of tartrazine (component of Latin American-produced furazolidone (Furoxona) which is no longer included in United States-produced furazolidone (Furoxone))

Toxicity
blood picture of turkeys fed fodder containing premix enriched with metronidazole

Toxicity
Dirofilaria immitis, dogs, one 'pre-injection' with caparsolate prior to initiation of full treatment regimen eliminates host toxic reaction to drug

Toxicity
chloroquine, cattle given anthelmintic dose, blood picture, intoxication

Toxicity
Fasciola hepatica, cattle, dovenix and hilevon highly effective; drug toxicity tests in rats

Toxins
[Sarcocystis], toxic substances in pork, mutton and beef, tests with rabbits, cooking methods to render the substances harmless

Toxins
Entamoeba histolytica, cytopathogenicity of intact amebae and cell-free extracts, isolation and characterization of intracellular toxin

Toxins
Entamoeba histolytica, E. invadens, correlation between cytopathogenic effects of trophozoites and their soluble extracts, presence of fetal calf serum largely inhibited cell damage

Toxins
Naegleria fowleri, cytopathogenicity in mouse embryo-cell cultures, no evidence that cell-free cytotoxic factors play a part, damage seemed to occur only as result of direct contact with active amebae and appeared to be associated with phagocytic activity of trophozoites

Toxins
Budumian, R. A., 1978, Veterinariia, Moskva (5), 63-64
Dermacentor marginatus on sheep with toxocosis, clinical aspects; similar condition in mice, guinea pigs, and sheep infected with tick extract, no rickettsia or other disease agents found

Toxins
acute malaria and babesiosis, hypothesis that endotoxin (lipopolysaccharide) causes both the disease and the parasite death, experiments in mice

Toxins
Cornet, J. P.; et al., 1978, Cahiers O.R.S.T.O.M., s. Entom. Med. et Parasitol., v. 16 (1), 53-54
Amblyomma variegatum, Boophilus annulatus, B. decoloratus, inoculation of pregnant female mice with tick-egg emulsion induces resistance to ixovotoxin in their newborn offspring, technique permits inoculation of tick eggs into newborn mice without abnormal mortality rates, potential use in virus isolation

Toxins
malaria, piroplasmosis, and endotoxin, brief review of recent work

Toxins
impaired phosphorylation in various toxoinfectious diseases (including trichinosis), straight correlation between lowest levels of serum organic phosphate and severity of infection, practical and theoretical implications

Toxins
ascariasis, cats, rabbits, pathogenesis, sulfhydryl group in toxic substances from parasites apparently causes blocking of host enzyme system and other protein complexes
Toxins
Gennaro, R. N.; and Foster, B. G., 1978, Florida Scienc., v. 41 (4), 238-243
Toxoplasma gondii, extensive purification of toxotoxin, strong possibility that it is a mixture of toxic substances

Toxins
Ixodes holocyclus, association of toxin with salivary glands, increasing toxin content of salivary glands with length of time of feeding on mice, effect on toxin content of salivary glands of interruption to feeding, effect of passive immunization of mice on resistance of host to toxin and on toxin production, effect on toxin production of feeding on non-immune and immune bandicoots

Toxins
Hypoderma spp., Oedemaga tarandi, midgut extracts of 1st stage larvae, 3 active fractions (toxic, proteolytic, collagenase)

Toxins
Parasites, possible endotoxic properties

Toxins
Kaaya, G. P.; et al., 1979, Tropenmed. u. Para. Soc., v. 25 (2), 122-133
Trypanosoma vivax, T. congolense, serum from infected cattle inhibited bovine granulocyte/macrophage colony formation in methyl cellulose culture, degree of inhibition appeared related to degree of parasitemia; no inhibitors of erythropoiesis were observed

Toxins
Ko, R. ; et al., 1979, J. Infect. Dis., v. 139 (1), 9-17
Entamoeba histolytica, cytotoxin-enterotoxin from axenically cultivated trophozoites, demonstration, characterization, and partial purification

Toxins
Argas walkerae, in vitro effects of tick paralysis toxin on chicken peripheral nerves under oxygen saturated and anoxic conditions

Toxins
Entamoeba histolytica, technique for demonstrating and measuring cytotoxic activity of cell-free extracts prepared from combined parasite strains

Toxins
Lushbaugh, W. B.; et al., 1979, J. Infect. Dis., v. 139 (1), 9-17
Entamoeba histolytica, cytotoxin-enterotoxin from axenically cultivated trophozoites, demonstration, characterization, and partial purification

Toxins
Ruff, M. D.; and Wyatt, R. D., 1978, Avian Dis., v. 22 (3), 471-480
Eimeria acervulina, S strains, broiler chicks, dietary aflatoxin increased severity of coccidiosis (body weight, plasma pigment, blood parameters)
Tropical diseases
Chambers, R.; et al., 1979, J. Trop. Med. and Hyg., v. 82 (8), 156-172
conference on seasonal dimensions to rural poverty, including tropical parasitic diseases in tropical areas of Africa and Asia

Tropical diseases
tropical and parasitic diseases observed between 1974 and 1977 at the Swiss Tropical Institute: Basel

Tropical diseases
immunology and tropical diseases, challenges and opportunities, WHO Special Programme for Research and Training in Tropical Diseases

Tropical diseases
parasitic and other imported diseases, sources of infection discussed, future outlook, knowledge of tropical infections should be part of medical training

Tropical diseases, Manuals and textbooks
tropical diseases, animals, handbook

Tropical medicine
work of the Liverpool School of Tropical Medicine Expedition to the Congo, 1903-1905, excerpts from letters of Dr. J. L. Todd

Tropism. See Taxis.

Tuberculosis
Strellis, A. K.; Zhivotiagin, V. N.; and Limberg, V. R., 1979, Problemy Tuberkul. (11), 68-70
opisthorchiasis complicated by tuberculosis, humans, case reports, clinical management and therapy

Tuberculosis
Volkmer, K. J.; and Braband, H., 1975, ROEFO, v. 122 (3), 265-267
Paragonimus westermani, humans, radiologic pulmonary changes, differentiation from tuberculosis

Tumor. [See also Granuloma]

Tumor
Gnathostoma nipponicum in Mustela sibirica itatsi and M. sibirica coreana, esophageal tumor, pathology

Tumor
Schistosoma mansoni worm in human ovarian cystic teratoma, case report: South Africa
SUBJECT HEADINGS

Tumor
Leishmania braziliensis, effect of peritoneal macrophages from mice injected with parasites on in vitro growth of tumor cells

Tumor
Glugea hertwigi in Osmerus mordax, prevalence in ovaries of spawning female hosts, transmission to young smelt by direct ingestion of spores or by ingestion of spore-carrying zooplankton, parasite development and xenoma growth

Tumor
Trypanosoma cruzi, fatty acid and amino acid composition of cruzin and trypanosa (anti-tumor preparations which are metabolic products of this protozoan)

Tumor, Cancer. See Cancer.

Turkey
survey of intestinal parasites and other infectious diseases of young male immigrants from Turkey who now reside and work in Stockholm, Sweden (Entamoeba coli; Endolimax nana; Trichuris trichiura; Ascaris lumbricoides; Entamoeba histolytica; Iodamoeba butschlii; Entamoeba hartmanni; Taenia; Hymenolepis nana; Giardia lamblia; Chilomastix mesnili)

Turkey
Merdivenci, A.; et al., 1976, Saglik Dergisi, v. 51 (3-4), 35-47
human intestinal parasites, fecal survey, children from slum areas of Istanbul, Turkey (Enterobius vermicularis; A. lumbricoides; T. trichiura; H. nana; Tania sp.; Giardia intestinalis; E. histolytica; E. coli)

Turkey
parasites of primary school children: west Marmara Sea coast, Turkey (Ascaris lumbricoides; Trichuris trichiura; Hymenolepis nana; Giardia intestinalis)

Tuva ASSR. See Russia, Tuva ASSR.
Uganda
Barwinek, F., 1979, Tierarztl. Umschau, v. 34 (6), 380, 382, 385-388
parasites, cattle: North-Bunyoro and West-Mengo, Uganda
(Askarideneier; Trichuris spp.; Toxocara vitulorum; Cooperia spp.; Trichostrongylus spp.; Haemonchus spp.; Oesophagostomum radiatum; Bunostomum phlebotomum; Strongyloides spp.; Fasciola gigantica; Paramphistomum spp.; Schistosoma spp.; Moniezia benedeni; Kokziden-Gozysten)

Ulcer
[Schistosoma] mansoni, human hepatosplenic form, incidence of peptic ulcer does not differ from that of general population

Ulcer
Haeni, H.; and Indermühle, N. A., 1979, Vet. Path., v. 16 (5), 617-618
Ascaris suum not a factor in development of gastric lesions under field conditions, autopsy records reviewed

Ulcer
Kuruvilla, M. J.; and Mathai, K. J., 1979, Internat. Surg., v. 64 (4), 75-77
gastric ulcer patients, hookworm infestation is twice as high as in other persons with surgical conditions, major cause of anemia: Malabar area of India

Ulcer
abomasal ulceration in goats, association with presence of nematodes: Shiraz abattoir, Iran

Ulcer
Ascaris suum, pigs (lungs), associated esophagogastric ulcers and other pathologic changes, case history: Indiana farm

Ultrasonic vibrations. See Sound.

Ultrastructure. See Morphology.

Ultraviolet radiation. See Radiation.

United States
synopsis of protozoans parasitic in native turtles of the United States and Canada

United States
synopsis of helminths endoparasitic in native turtles of the United States, Canada, and Mexico, and foreign records for helminths of sea turtles

United States
bottles and helminths of horses and ponies for 12 states, prevalence, seasonal influence, age of host: United States
(Gasterophelis intestinalis; G. nasalis; Parascaris equorum; Draschia megastoma; Habronema muscae; Strongylus vulgaris; S. edentatus; S. equinus; Cyathostomum; Cylcoclycus; Clicodontophorus; Cylicostephanus; Poterostomum; Triodontophorus; Oxyuria equi; Anoplocephala magno; A. perfoliata; Paranopeclophela millamiana; Setaria equi)

United States
Ixodes, keys to species (adults) of the United States, scanning electron microscope study

United States
survey of parasites, prevalence and intensity, dairy goats (feces): United States
(Strongyloides papillosus; Moniezia; Trichuris spp.; Nematodirus spp.; Muellerius capillaris; Skrjabinema capræ; Eimeria)

United States
parasitic diseases, human, current status, diagnostic methods, review: United States

United States, Alaska
Siphonaptera from mammals

United States, California
[Letter]
intestinal parasites, humans, prevalence in 3 ethnic groups (Mexican-American, Punjabi, Caucasian): Cantua Creek, California
(Entamoeba histolytica; E. hartmanni; E. coli; Endolimax nana; Giardia lamblia; Iodameba buetschlii; Hymenolepis nana; Ankylostoma duodenale; Taenia sp.; Chilomastix mesnil)
United States, Iowa
key to caryophyllidean cestodes of Iowa fishes

United States, Missouri
intestinal parasites, cats, effects of age, sex, and neutering on prevalence: Columbia, Missouri (Toxocara cati; Toxascaris leonina; Ankylostoma tubaeforme; Uncinaria stenocephala; Trichuris sp.; Capillaria sp.; Isospora sp.; Toxoplasma gondii; Sarcocystis spp.; Hammondia sp.; Besnoitia sp.; Dipyldium caninum; Taenia spp.; Giardia sp.; Physaloptera sp.; Trichomonas spp.)

United States, New Jersey
ectoparasites of mammals and birds: Fort Dix, New Jersey

United States, New York
Kammerer, W. S.; et al., 1977, Trop. Doctor, v. 7 (3), 105-106
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United States, Texas
Wilson, N.; and Oliver, G. V., jr., 1979, Southwest. Entom., v. 4 (2), 156-162
Mallophaga from native mammals, new records and review of previous records: Texas

United States, Utah
Palmer, J. R.; Thurman, J. B.; and Andersen, F. L., 1979, J. Parasitol., v. 64 (6), 1149-1150
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Trypanosoma brucei, rabbits, role of urinary and plasma kallikreins in pathogenesis, immune complexes

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Chakrabarti, A.; Das, S. N.; and Saha, A. C., 1979, Vet. Rec., v. 105 (10), 238
Dirofilaria immitis, dog, haematuria, microfilariae in urine

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Sarcocystis cruzi-infected calves (exper.), pathophysiological changes in urine and blood, several specific effects beyond those induced by nutritional stress

Urine and urinary tract
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Urine and urinary tract
Kawamura, N., 1979, Nippon Hinyokika Gakkai Zasshi (Japan. J. Urol.), v. 70 (9), 986-988
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Urine and urinary tract
Trypanosoma cruzi, human chronic infection, associated disturbance of urinary concentration mechanism

Urine and urinary tract
Laughlin, L. W.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (5), 916-918
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Umehra, B. C., 1977, Radiology, v. 124 (3), 645-647
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Wright, I. G.; and Goodger, B. V., 1979, Ztschr. Parasitenk., v. 59 (2), 115-119
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Young, S. W.; et al., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (3), 249-253
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Trixacarus caviae as cause of mange in Cavia porcellus (nat. and exper.), clinical symptoms, pathology, treatment; papular urticaria in humans associated with mangy guinea-pigs: The Netherlands

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Akahane, H.; and Oshima, T., 1976, Kiseichugakuzasshi (Japan. J. Parasitol.), v. 25 (4), 231-234
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Andersen, K.; and Halvorsen, O., 1978, Parasi-tology, v. 76 (2), 229-240
Biphyllobothrium spp., egg size and form (length, width, and length:width ratio) as taxonomic criteria, may contribute to species delimitation at population level but for identification at individual level 80% is best possible accuracy

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Cryptobia catostomi in Catostomus commersoni (blood), division and morphogenesis, explanation for variation in parasite size

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Buckner, R. L.; and Nickol, B. B., 1979, J. Parasitol., v. 65 (1), 161-166
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Butenko, O. M., 1975, Parazitologija, Lenin-grad, v. 9 (2), 175-182
Larinyssus orbicularis, description, morphological variability in relation to host species
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Plasmodium berghei, P. yoelii, P. vinceki, P. chabaudi, and their subspecies, electrophoretic variation of enzymes glucose phosphate isomerase, 6-phosphoglucuronate dehydrogenase, lactate dehydrogenase, and glutamate dehydrogenase, detailed description of technique, genetic and taxonomic implications, key for identification of murine plasmodia by enzyme type

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Eimeria perforans, isolation of pure strain using specific-pathogen free rabbits, measurements, sporulation time, pathogenicity

Variation Dikovskaia, V. E., 1974, Parazitologiiia, Leningrad, v. 8 (6), 548-552
Eimeria tenella, 13 strains, intraspecific variability with respect to virulence, reproductivity, capability, and immunogenic properties: USSR

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Variation Gusev, A. V.; and Kulemina, I. V., 1971, Parazitologiiia, Leningrad, v. 5 (2), 162-171
Monogenetic trematodes of fish, effect of host age on size of body, chitinoid armature of haptor, and copulatory complex

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Variation Healy, J. A., 1979, Parasitology, v. 78 (1), 7-17
Ixodes ricinus, samples from several Irish localities and from spring and autumn ticks collected in one area, detection by electrophoresis of very high allelic variation at locus coding for phosphoglucomutase, allele frequency patterns, both spatial and temporal genetic differentiation exist, possible use of this polymorphism in population and taxonomic studies, possible adaptive significance of polymorphism in autecology of parasite

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Argas africolumbae, variation, distribution, hosts and habitats, preliminary life cycle studies

Variation Huang, S. W.; et al., 1979, J. Chinese Soc. Vet. Sc., v. 5 (2), 79-85
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Variation Huffman, D. G.; and Nickol, B. B., 1978, J. Parasitol., v. 64 (5), 851-859
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Xenopsylla gersbili minax, bactericidal factor in intestine, destroys Pasteurella pestis

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Leucocytozoon tawaki, life cycle: schizogonic stages in Euyptides pachyrhynchos described and parasitemia quantified; sporogonic stages in Austromusillum ungulatum described; observations on transmission to penguin chicks: Jackson Head, south Westland

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Trypanosoma cruzi, isolation of pure metacyclic trypomastigotes from triatomine bugs by use of DEAE-cellulose column

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Timor filaria, Anopheles barbirostris (nat. and exper.) supports development to infective stage; Wuchereria bancrofti developed to 3rd-stage larvae in A. vagus (exper.): Flores Island, Southeast Indonesia

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Technology for sterilizing and packaging male Anopheles albimanus for field release in endemic malaria areas

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Onchocerca guturossa, cattle, successful experimental infection of Culicoides nubeculosus (probable vector rather than Simulium ornatum); description of infective stage in comparison with O. volvulus and O. cervicalis

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van Wetter, P.; et al., 1978, PANS, v. 24 (4), 435-446
[Trypanosoma brucei gambiense], control of Glossina tachinoides, evaluation of insecticides applied as aerosols from helicopters: Komoe valley, Upper Volta, West Africa

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Trypanosoma cruzi, ecological survey of triatomine vectors disclosed close association of Rhodnius pallescens and Triatoma dimidiata with widely distributed palm tree species; Didelphis marsupialis, Tamanuad tetradactyla, and Proechimys semispinosus seem to be principal animal reservoirs: Panama

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Plasmodium vaughanii, Culiseta moritans considered functional exper. vector and possible natural vector in Tantramar Marshes, New Brunswick, status of Mansonia perturbans as potential vector requires further clarification

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Trypanosoma cruzi in Triatoma protracta protracta, seasonal infection rates: Thousand Oaks, Ventura County, California

Vectors, Insecta
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World Health Organization. Division of Malaria and Other Parasitic Diseases, 1975, Manual on practical entomology in malaria. Part II. Methods and techniques, 191 pp., illus. malaria, methods and techniques for collecting and studying vector mosquitoes

Vectors, Insecta
Xenopsylla hirtipes, X. g. gerbilli, age (stage) and physiological (fat body score) characteristics of population in various months of the year, significance in plague prophylaxis: Karakum, Turkmenva

Vectors, Insecta
Zielke, E., 1977, Tropenmed. u. Parasitol., v. 28 (4), 461-466
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Ostertagia ostertagi, possible role of earthworms in transmission of third-stage larvae from feces to soil

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Formiphagus sp. from Ecuador and Brazil and Formicarcicola sp. from Ecuador, phoretic relationship with Culex spp.

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Pleistophora sp., Vairimorpha necatrix, retention of infectivity after passage through gut of Zelus exanguis

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Thysaniezia giardi, Moniezia benedeni, mature proglottids experimentally fed to birds, Thysaniezia capsules and Moniezia eggs passed in feces, birds as potential transport hosts or mechanical vectors

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Tabanids as mechanical or biological vectors of parasites and other disease agents, review of laboratory and field studies

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Amin, A. H.; and Fenwick, A., 1978, Trop. Doctor, v. 8 (1), 819 schistosomiasis vector snail control, recommendations for use on small scale or by poor developing countries

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Amin, M. A., 1972, Sudan Med. J., v. 10 (2), 7582 Biophalmaria and Bulinus vector snails, evaluation of drip-feed application of copper sulphate as mollusicide and of use of mechanical barriers for mollusk control: Gezira, Sudan

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Anderson, A. P.; Nowosielski, J. W.; and Croll, N. A., 1976, Canad. J. Zool., v. 54 (9), 1481-1487 Trichobilharzia octoletta cercariae, marked diel pattern of emergence from Lymnaea stagnalis during periods of illumination, host movement stimulates cercarial emergence

Vectors, Mollusca

Anderson, R. M.; and May, R. M., 1979, Parasitology, v. 79 (4), 537-544 Schistosoma spp. infections within snail populations, prevalence, spatial and temporal heterogeneity, duration of larval development and its dependence on temperature, mortality rates of infected and uninfected hosts; comparison of observed patterns with model predictions; new age-prevalence model, predictions compared with observed patterns; implications for overall transmission dynamics

Vectors, Mollusca

Antunes, C. M. F.; et al., 1971, Rev. Inst. Med. Trop. S. Paulo, v. 13 (6), 583-586 Schistosoma mansoni, influence of gamma radiation on egg hatching, penetration power and development of miracidia in Biomphalaria glabrata, attempted immunization of snails with irradiated miracidia was unsuccessful

Vectors, Mollusca

Atangana, S.; et al., 1979, Med. Trop., v. 39 (5), 537-543 Onchocerciasis, malaria, humans, epidemiological and vector survey; no evidence of schistosomiasis but potential vectors are present; little evidence of Toxoplasma gondii: lac de retenu de Bamendjin, Cameroun

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Barbosa, F. S.; and Figueiredo, T., 1970, Rev. Inst. Med. Trop. S. Paulo, v. 12 (3), 198-206 Schistosoma mansoni strains from northern Brazil, strains of Biomphalaria glabrata experimentally infected proved susceptible to schistosome infections, experimentally infected B. straminea strains were consistently poor vectors
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Schistosomiasis, use of MacDonal’s model to establish a policy for controlling human infection, based on human immunity and proportion of infected vector snails in a given area

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Burky, A. J.; and Hornbach, D. J., 1979, J. Parasitol., v. 65 (3), 371-374
Leucocloridium variae, carbon and nitrogen content of parasite and of infected and uninfected Succinea ovalis

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Cabaret, J., 1979, Ann. Parasitol., v. 54 (4), 475-482
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Digenetic trematodes in Cerithium moniliferum, incidence in relation to division, abundance, growth, and reproduction of snail population, no seasonal pattern of parasitism: Horon Island, Great Barrier Reef

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Carlos, M. A.; and Coelho, P. M. Z., [1979], J. Parasitol., v. 64 (6), 1978, 1137-1138
Schistosoma mansoni infections in Biomphalaria glabrata under crowded conditions, reduction in number of infected snails and significant decrease of cercarial production

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Schistosoma mansoni, extensive survey for possible role of rodent reservoir hosts in the epidemiology of human schistosomiasis; rodents thought to become parasitized when using brooks and lake tributaries containing cercariae shed by planorbids living in these waters: Lago da Pampulha, Belo Horizonte, Brazil

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Cheng, T. C.; et al., 1978, J. Invert. Path., v. 31 (1), 57-62
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Coelho, P.; et al., 1975, Rev. Inst. Med. Trop. S. Paulo, v. 7 (3), 129-134
Schistosoma mansoni-infected Biomphalaria glabrata, 59Fe uptake under normal and crowded conditions

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Schistosoma mansoni, humans, epidemiology of small autochthonous infection, Biomphalaria alexandrina confirmed as vector: Kinshasa (Republique du Zaïre)

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Schistosoma mansoni in Biomphalaria amazonica (exper.), could become vector in its geographic range (lower Negro river, State of Amazonas which is presently non-endemic for schistosomiasis)

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Courtois, C. N.; and Gebert, F., 1979, Trop. and Geog. Med., v. 31 (3), 381-387
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Frandsen, F., 1979, J. Helminth., v. 53 (4), 321-348
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Frandsen, F., 1979, J. Helminth., v. 53 (4), 349-355
Schistosoma bovis from Morocco, compatibility with various species and strains of Bulinus

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Frandsen, F., 1979, Ztschr. Parasitenk., v. 58 (2), 161-167
Schistosoma intercalatum from Cameroun and from Zaire, compatibility with Bulinus spp. (indicated by total cercarial production/100 exposed snails)

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Frandsen, F., 1979, Ztschr. Parasitenk., v. 58 (3), 275-296
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Fuller, G. K.; Lemma, A.; and Haile, T., 1979, Am. J. Trop. Med. and Hyg., v. 28 (3), 526-530
Schistosoma mansoni, epidemiologic survey of resident population, snail vectors, and wild animals after reports of infection in tourists and campers to Omo National Park, importance of infection to future developmental plans: Omo National Park, southwest Ethiopia

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Schistosoma mansoni, Biomphalaria straminea (exper.), potential vectors of human infection, susceptibility low: States of Minas Gerais and Sao Paulo

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Goddard, M. J., 1979, J. Hyg., Cambridge, v. 83 (1), 77-93
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Harris, R. E.; and Charleston, W. A. G., 1977, N. Zealand J. Zool., v. 4 (4), 395-399
Path analysis of physical and biological variables in marsh microhabitats of Lymnaea tomentosa and L. columella, intermediate hosts of Fasciola hepatica

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Hosaka, Y.; and Berry, E. G., 1975, Kiseichu-gaku Zasshi (Japan. J. Parasitol.), v. 24 (5), 318-331
Schistosome miracidial immobilization caused by tissue extracts prepared from various species or strains of snails, characteristics of immobilizing activity in snail tissues

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Kassim, O. O.; and Richards, C. S., 1978, Exper. Parasitol., v. 46 (2), 218-224
Biomphalaria glabrata (intermediate host of Schistosoma mansoni), lysozyme activities in hemolymph, digestive gland, and headfoot of uninfected snails

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Kassim, O. O.; and Richards, C. S., 1979, J. Invert. Path., v. 33 (3), 385-386
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Biomphalaria glabrata (schistosomiasis vector), influence of some environmental factors on fecundity under laboratory conditions

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Lie, K. J.; and Heyneman, D., 1979, Internat. J. Parasitol., v. 9 (6), 539-543
Echinostoma spp., capacity of irradiated sporocysts to suppress natural host resistance to Schistosoma mansoni in schistosome-resistant Biomphalaria glabrata

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Vectors, Mollusca
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Louroza, J. L. Z., 1974, Rev. Brasil. Med., v. 35 (6), 405-416
Schistosoma mansoni, local Planorbidae as possible vectors after discovery of first human autochthonous case in area of Rio Grande do Sul, Brasil

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Milward-de Andrade, R.; and Carvalho, O. dos S., 1979, Rev. Saude Publ., S. Paulo, v. 13 (2), 92-107
Schistosoma mansoni, exper. biological control of Biomphalaria vectors in endemic area by introducing Pomacea haustrem predators into brooks and ditches: Baldim, MG (Brasil)
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[Schistosoma] mansoni, first autochthonous human cases reported, Biomphalaria glabrata and B. tenagophila also found infected: Vitoria, Espirito Santo

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Fasciola hepatica-infected Lymnaea truncatula, reconstitution of digestive epithelium at end of parasitic cycle

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Rondelaud, D.; and Barthe, D., [1979], J. Parasitol., v. 64 (6), 1978, 1130-1131
Fasciola hepatica, development of erratic cercariae in lumina of digestive gland of Zonitoides snails preying on infested Lymnaea truncatula, lack of infestation in Zonitoides after ingesting prey makes it suitable for biological control

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[Schistosoma] mansoni, successful experimental infection of Biomphalaria straminea in the area of Altamira; emphasis on need for prophylactic control measures: Transmazonic Region

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Saliternik, Z., 1979, Trop. and Geogr. Med., v. 31 (2), 175-184
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Sankurathri, C. S.; and Holmes, J. C., 1976, Canad. J. Zool., v. 54 (10), 1742-1753
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Sauerlaender, R., 1979, Ztschr. Parasitenk., v. 59 (1), 53-66

Muellerius capillaris in Cepaea nemoralis (exper.), exposure period, developmental period from 1st to 3rd stage larvae, individual exposure vs. mass exposure, super-infections, infectivity following storage below freezing-point, localization of larvae, host cellular reaction

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Scherrer, J. P.; Souza, J. R.; and Vilela, E., 1979, Ztschr. Parasitenk., v. 59 (1), 53-66

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Scott, M. E.; and Burt, M. D. B., 1976, Canad. J. Zool., v. 54 (12), 2200-2207

Cercaria catascopii n. sp., causative agent of swimmers' itch, distribution of infected snails in lakes of recreational importance

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Schistosoma haematobium, seasonal patterns in transmission, epidemiology in school children, control by winter application of molluscidic: Rhodesia

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de Sousa, C. P., 1975, Rev. Saude Publ., S. Paulo, v. 9 (2), 259-262

biological behavior study of Biomphalaria glabrata (vector of human schistosomiasis) that was found to have anomalous shell

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de Sousa, J. R.; and Vilela, E. F., 1977, Rev. Ceres (136), v. 24, 636-638

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Viviparus contectus males infected with Neoaocanthyroparyphium echinatoides metacercariae and females infected with Cercaria adiposa, changes in blood proteins, agar gel electrophoresis

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Stadnichenko, A. P., 1972, Parazitologiia, Leningrad, v. 6 (2), 154-160

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Stanislawski, E.; and Becker, W., 1979, Comp. Biochem. and Physiol., v. 63A (4), 527-533

Biomphalaria glabrata, influences of semi-synthetic diets, starvation, and Schistosoma mansoni infection on metabolism (using criteria of egg-laying activity and hemolymph components)

Vectors, Mollusca
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Vectors, Mollusca

Schistosoma mansoni, field populations of Biomphalaria pfeifferi, measurements of pre-patent and patent infections using 3 methods, some implications for mathematical models of schistosome transmission: Kenya

Vectors, Mollusca

Angiostrongylus malaysiensis, vector snails (Physastra sumatrana) discovered in Malaysia

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Echinostoma malayanum, infection rate of Indoplanorbis exustus (exper.) decreased as shell diameter increased, cause of relative nonsusceptibility of large snails not known
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Schistosoma japonicum, horizontal and vertical distribution of Oncomelania quadrasi, intermediate snail host: areas near Palo, Leyte, Philippines

Vectors, Mollusca
changes in snail population following construction of small dam, potential importance in transmission of Schistosoma haematobium and S. mansoni: Malumfashi Endemic Diseases Research Project, Nigeria

Vectors, Mollusca
sex distribution of alpha and gamma races of Lithophyloglossus aperta in natural habitats of Mekong River, application to laboratory rearing of vectors

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sociobiology of Biomphalaria glabrata (behavior, growth, survival, and natality rates)

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Vectors, Mollusca
Microphallus pygmaeus and Cercaria parvicaudata in Littorina saxatilis, intensity and extensiy of infection by sex and size of host, and month; host reproductive capacity; experimental infection in mice: Gull Island, Witless Bay and Newman's Sound, Newfoundland

Vectors, Mollusca
Schistosoma mansoni, identification of chemicals that attract or trap its snail vector, Biomphalaria glabrata, results indicate that it should be possible to formulate slow- or no-release molluscsidines coupled with controlled-release attractants, may attract and kill larval schistosomes as well as snail vectors

Vectors, Mollusca
Angiostrongylus cantonensis, Pila ampullacea (exper.), method of introducing larvae to individual snails to make possible quantitative evaluation of worm recovery, distribution of infective stages within snail, dose of infection, and age of snails (which may affect host susceptibility) are analyzed

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Vectors, Mollusca
Fasciola gigantica, survival of Lymnaea natalensis in drought conditions, beginning of rainy season optimal time for molluscidic application: Senegal

Vectors, Mollusca
Lymnaea luteola vs. Pila globosa, qualitative analysis of simple sugars, tissue respiration, possible relationship to capacity to harbor larval trematode infections

Vectors, Mollusca
Fasciola hepatica in Lymnaea truncatula, curvilinear relationship between miracidial density and snail density as manifested by successful establishment of an infection in snail host, level of parasitization not related exponentially to temperature, depth or free water overlying mud surface was absolute requirement for miracidia to successfully infect snails

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Bulinus senegalensis and associated parasites, isoelectric focusing studies on enzymes, differences in prevalence and variety of infections in 7 host populations: south bank of Gambia River

Vectors, Mollusca
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Schistosoma japonicum, eradication of Oncomelania snail vectors, intense ecological management practices, weed control, surveillance: China

Vectors, Mollusca
Muellerius capillaris, experimental infection of terrestrial and aquatic snails reveal that majority of snails in Poland can serve as intermediate hosts
SUBJECT HEADINGS

Vectors, Protozoa
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Trichomonas vaginalis, survival of enococci within phagosomes of parasite suggests T. vaginalis as possible reservoir for infections; various therapeutic trials used to treat mixed infections

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Vegetable-borne parasites. See Disease transmission, Food.

Venezuela
digenetic trematodes from marine fishes

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Vietnam
Trematoda of wild birds, distribution of trematode families among bird families, review: northern Vietnam

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Virus
Leishmania hertigi hertigi, L. h. daeae, ultrastructure of promastigotes, amastigotes and virus-like particles observed within promastigotes; laboratory mammals were poor hosts with infection detectable only by culture, laboratory-bred Lutzomyia longipalpis developed poor infections

Virus
various genera and species of Caryophyllaenidae, apparent absence of C-viruslike particles which are found in Pseudophyllidea

Virus
Eva, A.; et al., 1979, J. Protozool., v. 26 (2), 249-252
Trichomonas vaginalis, resistance to infection by Mengo virus

Virus
Fuxa, J. R., 1979, J. Invert. Path., v. 33 (3), 316-323
Vairimorpha necatrix, interactions with bacterium, virus, and fungus in Heliothys zea (exper.)

Virus
Virus
Glutamina pallidipes, virus-like rods associated with salivary gland hyperplasia, exceedingly heavy trypanosome infections found in some hyperplastic glands, unlikely that virus-like particles can be used as biological control agents if they are favoring development of trypanosomes

Virus
Chloroquine enhances Epstein-Barr virus expression and may thus play important part in development of African Burkitt's lymphoma

Virus
Neoaplectana carpocapsae, development and reproduction in healthy and virus-infected Pseudaelita unipuncta; confirmation of presence of virus in intestine of nematodes, possibly useful in pest-management systems

Virus

Virus
McDougal, L. R.; Karlsson, T.; and Reid, W. M., 1979, Avian Dis., v. 23 (4), 999-1005
Coccidiosis, chickens (exper.), natural outbreak of infectious bursal disease (IBD) during comparison of anticoccidials for their effect on development of immunity, interaction between diseases, immunity to coccidiosis not blocked by IBD

Virus
Trypanosoma theileri, cattle, frequent mixed infection with enzootic bovine leukosis, no correlation between diseases but common arthropod vector hypothesized: Belgium

Virus
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Amebae, chickens, lowered degree of immunity to Newcastle disease after vaccination against this disease

Virus
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Amebae, chicks, lowered degree of immunity to Newcastle disease after vaccination against this disease

Virus
Amebae, chickens, lowered degree of immunity to Newcastle disease after vaccination against this disease

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Trypanosoma theileri, cattle, frequent mixed infection with enzootic bovine leukosis, no correlation between diseases but common arthropod vector hypothesized: Belgium

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Amebae, chickens, lowered degree of immunity to Newcastle disease after vaccination against this disease

Virus
Trypanosoma theileri, cattle, frequent mixed infection with enzootic bovine leukosis, no correlation between diseases but common arthropod vector hypothesized: Belgium

Virus
Entamoeba histolytica, viral conversion of virulence, data indicate that amebae surviving virus infection may be increased, decreased, or unaltered in virulence unrelated to virulence of ameal strain serving as viral donor

Virus
Boophilus microplus, virus-like particles pathogenic to tick salivary glands, viruses pathogenic to ticks could have potential as biological control agents

Virus
Ascocystis barretti does not seem to be mechanism for dispersion of La Crosse virus infection via Aedes triseriatus larvae nor does concomitant parasite infection increase virus infection in larvae

Virus
Murayanan, K.; and Jayaraj, S., 1979, Current Sc., Bangalore, v. 48 (18), 825 [Letter]
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Vairimorpha necatrix [n. comb.] in Spodoptera exempta, pathogenicity (occurrence of bacteriosis and cytoplasmic polyhedrosis virus), life cycle (disporobilistic life cycle at 25°C and both disporoblast and octosporoblastic life cycle at 20°C), implications of polymorphism in relation to classification of Microsporida

Virus
Entamoeba coli, filamentous virus-like material in nucleus of trophozoites from human colon and from culture

Virus
Reid, H. W.; et al., 1979, Infect. and Immun., v. 25 (2), 192-196
Trypanosoma brucei, mice, effect of chronic infection on course of louping-ill virus infection, results indicate that immunosuppressive effect of chronic trypanosomiasis may markedly increase susceptibility to acute virus infection and may alter epidemiology of arthropod-transmitted viruses

Virus
Pneumocystis carinii and Toxoplasma gondii in normal and compromised host, special reference to concomitant infection with cytomegalovirus, general review

Virus
Scalise, G.; et al., 1978, J. Med. Primatol., v. 7 (2), 114-118
Plasmodium inaei-infected Macaca mulatta had enhanced susceptibility to hepatitis B virus

Virus
Naegleria amoeboae contain virus-like particles and an unassociated infectious agent, possible relationship to pathogenicity, review

Virus
Cryptosporidium [sp.] in Arabian foals with inherited combined immunodeficiency, mixed infection with adenovirus, difficult to separate effects of both disease agents: Colorado State University
Vitamins. [See also Diet and nutrition]

Vitamins
Fasciolopsis buski, schoolchildren, serum vitamin B12, serum and red cell folate, serum vitamin B12 and serum folate binding proteins, vitamin B12 absorption

Vitamins
Nosema whitei-infected Tribolium castaneum, growth and mortality when fed vitamin B-complex vs. deficient diets

Vitamins
relationship between avitaminosis A and Ascaridia galli infestation in chickens: Uganda

Vitamins
parasitic infestations in children, effect on intestinal absorption as determined by assay of fasting serum carotene and vitamin A levels and by vitamin A tolerance tests: Orphanage Institute of Giza and El-Zeitoun, Egypt

Vitamins
Ascaris suum, osmoregulatory function of amino acids, effect of vitamin B12

Vitamins
Hymenolepis microstoma, axenic culture, effects of fat soluble vitamins (A, D, and E) on growth

Vitamins
Trichomonas foetus, effect of certain B12 antagonists upon growth

Vitamins
Trichomonas foetus, effect of decobald-co-binamide and L-l-methyl-2-aminoethenole upon growth

Vitamins
Ascaridia galli, 100 day old roosters, spontaneous dehelminthization after 13 days indicates augmented resistance; ascorbic acid diminished in adrenal gland on thirteenth day but normal in liver and blood serum; older chickens have lesser blood changes

Vitamins
Trypanosoma equiperdum-infected guinea pigs (exper.), alterations in cardiac muscles, observations on ECG records, histological and biochemical estimations of glucose content, pyruvic acid levels in blood, evidence of vitamin B12 deficiency

Vitamins
Angiostrongylus cantonensis, vitamin A-deficient rats, reduced non-specific local resistance at site of entry, reduced specific immunity to reinfection

Vitamins
Ascaridia galli, immunization of normal chickens and chickens with avitaminosis A, mucopolysaccharide content in tissues compared with unimmunized controls

Vitamins
Doran, D. J.; and Augustine, P. C., 1978, J. Protozool., v. 25 (4), 544-546
Eimeria tenella, vitamin requirements for development in primary cultures of chicken kidney cells

Vitamins
Plasmodium berghei-infected mice (exper.), vitamin E deficiency moderates severity of infection since premature, oxidant-induced hemolysis of infected erythrocytes prevents orderly parasite maturation, restoration of susceptibility to malaria by vitamin E supplementation, observations provide basis for selective advantage of G-6-PD deficiency in areas of endemic malaria

Vitamins
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Cuterebra fontinella, susceptibility of Peromyscus leucopus in relation to host age, dietary levels of vitamin A, and previous infestation history

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Vitamins
Ascaris suum and vitamin C deficiency, effect on levels of glucose and acid-soluble phosphate compounds in blood of guinea pigs

Vitamins
Ascaris suum-infected guinea pigs, levels of vitamins B, and C in some tissues and organs, organ weights
Vitamins

Ascaris suum-infected guinea pigs fed diets varying in vitamin C content, levels of vitamins C and B2 in some organs, organ weights

Vitamins

Eimeria acervulina, chicks (exper.), stress of intestinal infection results in depletion of ascorbic acid in blood plasma and tissues, addition of dietary ascorbic acid prevents depletion

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Vitamins

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Vitamins

Ascaridia galli-immunized chickens, changes in cholesterol levels in various tissues, probable role of cholesterol, interdependent with vitamin A, in protecting host organism

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Vitamins

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Entamoeba histolytica, flavins in axenic organisms and in growth medium, demonstration of in vivo biosynthesis of flavin nucleotides from riboflavin

Vitamins

Ascaris lumbricoides and/or Giardia lamblia, children, marked impairment of vitamin A absorption

Vitamins

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Hymenolepis diminuta-infected rats, vitamin malabsorption in intestine

Vitamins

Onchocerciasis, humans from 2 endemic areas, survey for skin and ocular lesions and serum vitamin A levels, possible significance of vitamin A deficiency in pathogenesis of ocular complications: Sudan

Vitamins

Trichinella spiralis, rats, acceleration of cyst calcification by administration of vitamin D3, inhibition of cyst calcification by administration of 1,25-dihydroxy-1,2-dihydroxy-1,1-diphosphonate, demonstrates that cyst calcification is not an irreversible process and is subject to drug therapy

Vitamins

Haemobartonella muris, splenectomized rats, course of infection not altered by administration of biotin

Vitamins

Plasmodium lophurae, pyridoxine kinase in trophozoites and in duckling erythrocytes, results suggest that vitamin B6 metabolism of malaria parasites is distinct and separate from that of host erythrocytes

Vitamins

Litomosoides carinii rats, host pyridoxin deficiency caused amicrofilaremia, deficient group had 1/3 the number of adult worms found in group on control diet

Vitamins

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Eimeria spp., chicks (exper.), effects of dietary vitamin K on severity of disease with particular attention to effects of vitamin K on response to anticoccidial drugs, concluded that use of vitamin K deficient diet for experimental work is quite justified

Vitamins

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Histomonas meleagridis in turkeys, effects of vitamins A, E, and K (alone and in combination with ipronidazole) on performance and on plasma enzymes, plasma enzyme levels correlated well with progressive pathological changes

Vitamins

Eimeria tenella chicks (exper.), amprolium alone and with additional amounts of thiamine in feed mixture, evaluation of prophylactic use, thiamine contributes to lowered activity of amprolium

Vitamins

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Eimeria tenella, pancoxin, chickens raised under conditions of high and low temperatures; influence of thiamine on development of coccidiosis

Vitamins

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Vitamins
Heterakis gallinarum, chicks, effects of vitamins A, B1, and D3 given singly or in combination in host diet

Vitamins
Amblyomma maculatum, feeding and development, effects of vitamin and mineral deficiencies in host Rattus norvegicus diet
Wales. See Great Britain, Wales.

Water. [See also Disease transmission, Water; Humidity]

Schistosoma mansoni miracidia in egg, water uptake and metabolic changes, hatching mechanism

Laelaps echidnina, kinetics of water exchange between mite and surrounding air, mathematical model

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ticks, survival, submerged in clear water, water containing litter, various temperatures, laboratory experiments

Naegleria, viability of pathogenic strain in water media (public water supply, swimming-pool, inland lake) at various temperatures

Epistylis [sp.], fishes, host specificity, intensity of infestation, attachment site, factors affecting prevalence (host length, water quality, season): New Brunswick

Dermacentor variabilis, adult females, equilibrium weight at near saturation found to be a function of temperature

Dermacentor variabilis, general integument as the site of water vapor uptake

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Lytocestus indicus, Duthiersia fimbriata, Raillietina echinobothridia, water and protein content

Schistosoma japonicum, eradication of Oncomelania snail vectors, intense ecological management practices, weed control, surveillance: China

Weaning Neville, W. E., jr.; Stewart, T. B.; and McCormick, W. C., 1977, J. Animal Sc., v. 44 (6), 1119-1126
nematodes, early-weaned and suckling calves, difference in egg counts and weight gain under different rearing regimes

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hematozoa of passeriforms, prevalence, effect of climate, application of insecticide, and large-scale environmental alteration: New Brunswick

hunting as factor in control of wildlife parasites, e.g.: elimination of diseased animals as form of natural selection; brief review

Wisconsin. See United States, Wisconsin.

Fasciola hepatica, sheep (exper.), degree of productivity depression assessed by body-weight change, midside patch wool growth, fleece weights, and feed digestibility

Fasciola hepatica, sheep grazing on irrigated vs. non-irrigated pastures, temporal distribution of acquisition of infection, influence of infection on productivity, outline of suitable treatment regimen: northern Victoria

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Subject headings:

Worm burden
Barriga, O. O., 1978, J. Parasitol., v. 64 (5), 954-955
Trichinella spiralis, variation in number of parasites in whole carcasses and in different samples of muscles of mice subjected to a standard infection and determination of correlations between parasite load in the carcasses and in the samples, results indicate that selection of sample of intercostal muscles is most reliable choice to determine actual intensity of infection in the mouse by tissue examination.

Worm burden
relationship of mean parasitic burden and frequency of Octodon degus parasitized with 4 common helminths, host sex and age: Lo Curro, a 2.5 km al N.E. de Santiago.

Worm burden
Schistosoma mansoni, children and adults living in endemic areas, influence of age and worm burden on re-infection after specific therapy: State of Minas Gerais, Brazil.

Worm burden
Schistosoma mansoni, Cebus monkeys, correlation of number of eggs per gram of rectal tissue with number of female worms, challenge infection effect, or drug action.

Worm burden
Heligmosomoides polygyrus, mice, low infectivity of third-stage larvae resulted in greater fecundity of female worm and vice versa, egg-output of worm increased when worm burden was smaller, decreased with greater worm burden.

Worm burden
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Worm burden
Schistosoma haematobium, schoolchildren, minimal number of daily egg counts in urine necessary to establish intensity of infection for epidemiological and chemotherapeutic purposes: Coast Province, Kenya.
X-ray. See Diagnosis; Radiation.

Xenodiagnosis. See Diagnosis, Xenodiagnosis.

Yakutsk ASSR. See Russia, Yakutsk ASSR.

Yugoslavia
school children, incidence of intestinal parasites, 1965-1975: Ljubovija
(Entamoeba dysenteriae; E. coli; Endolimax nana; Iodamoeba butschlii; Trichomas intestinalis; Tricercomonas hominis; Chilomastix mesnili; Giardia intestinalis; Hymenolepis nana; Enterobius vermicularis; Ascaris lumbricoides; Trichuris trichiura)

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(Dipetalonema perstans; D. semiclarum; D. streptocerca; Loa loa; Onchocerca volvulus; Wuchereria bancrofti)

helminth and protozoan parasites, cattle (feces, blood): Shaba, Republic of Zaire
(Schistosoma bovis, Fasciola gigantica; Neascaris vitulorum; Strongyle sp.; Coccidia sp.; Anaplasma sp.; Eperythrozoon sp.; Babesia sp.; Theileria sp.; Trypanosoma sp.)

Zoogeography. See Geographic distribution.

Zoonosis. See Disease transmission, Animal to man.

Zymodemes. See Enzymes.
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