



CONTENTS

President's Column	1	Call for Editors: Resources for College Libraries	6
Geoscience Information Society 2013 Officers	2	New Geoscience Open Access Publications	7
Vice President's Column	3	Review: EarthChem	8
Comic Interlude	4	Review: Sea Level Rise and Coastal Flooding Impacts Viewer	9
Tentative GSIS/GSA 2013 Conference Schedule for Denver	5	New Stress Reduction at the University of California, Santa Cruz	10
Member News	5	Geoscience Librarianship 101: Professional Development Seminar	11
GSA Backfiles Now Available	5	GSIS Publications List	12

President's Column

By Linda Zellmer

Fall is around the corner, and that means that the annual Geoscience Information Society meeting is approaching. I am looking forward to the Geological Society of America meeting in Denver. It gives me an opportunity to see the new publications available from geoscience publishers and learn about recent advances in the geosciences. We will also be offering Geoscience Librarianship 101 this year.

Given the concerns about open access at the recent American Geological Institute member society meeting in Pittsburgh (see notes from the meeting in the June 2013 GSIS newsletter, page 5), we will be providing information about open access at the GSIS booth. In some cases, when I teach library instruction, I use an openly accessible Heartland Institute publication on climate change as an example of open access pseudoscience. It states: "The persistence of coral reefs through geologic time—when temperatures were as much as 10°-15°C warmer than at present, and atmospheric CO2 concentrations were two to seven times higher than they are currently—provides substantive

evidence that these marine entities can successfully adapt to a dramatically changing global environment." (Idso and Singer, 2009). Unfortunately, the evidence, which is behind paywalls, shows that early corals died out. The niche that they once occupied has been filled by other, albeit similar, life forms. Open access would allow people to examine the scientific evidence on their own.



As it happens, the first day of the meeting will be the last day of Open Access Week, so the timing is perfect! If you have an open access button or t-shirt, you might want to consider bringing it to the meeting.

As you know, the election this year included a survey on the *GSIS Proceedings*. The results, in order of preference, are listed in table 1.

Several additional comments were made concerning the possibility of offering it through an open repository, a rolling wall approach (so members had access but non-members had to

continued on page 3

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President's Column

Continued from page 1

wait), sending a PDF and having members and institutions print their copies at their expense, or having the articles that now appear in the *Proceedings* published in the *Newsletter*.

Several members mentioned the possibility of adding the *Proceedings* to GeoscienceWorld, which would involve up-front and continuing costs. We will discuss the options further at the meeting in Denver.

I am looking forward to seeing everyone in Denver!

Reference:

Idso, Craig D. and S. Fred Singer, 2009. Climate Change Reconsidered 2009 Report of the Nongovernmental International Panel on Climate Change (NIPCC). [Chicago, Ill.]: Heartland Institute, page 7.
<http://www.nipccreport.org/reports/2009/pdf/CCR2009FullReport.pdf>.

Table 1: Member preferences concerning the publication and distribution of the GSIS Proceedings.

Option	Rank 1	Rank 2	Rank 3	Rank 4
Continue to issue in print and raise membership fees	4	0	6	38
Send members PDF	12	25	9	2
Post on GSIS Website	26	12	9	1
Provide Print on Demand for members and libraries that want it (at their expense)	5	12	24	7

Vice President's Column

By Amanda Bielskis

Happy fall everyone! I can't believe the semester is already in full swing. It's amazing how fast time can fly.

Conference planning for the 2013 GSIS meeting is keeping me busy at the moment. I hope to have a finalized calendar of events soon. Since the meeting is not that far off, I've included a tentative calendar of events in this issue of the *GSIS Newsletter* (see page 5) so folks can get an idea of when/what events will likely be. It's looking like we will have a busy conference schedule with many great events. Please keep in mind that some of these events are still subject to change.

Thanks to everyone who filled out the informal GSIS conference survey I sent out in the

summer, which received a fairly decent number of responses. This survey has helped inform planning the conference and base it on the interests of members!

I'm still interested in receiving any thoughts or suggestions for conference activities or events. Please feel free to contact me (asb2154@columbia.edu) even if it's just a recommendation for a great place to hold our informal dinner! A snapshot of some of the results is provided in figures 1 and 2.

Conference sponsorship has been great so far. We currently have commitments from the following sponsors: Elsevier, The Geological Society of London, GeoscienceWorld, and Proquest.

Vice President's Column, continued

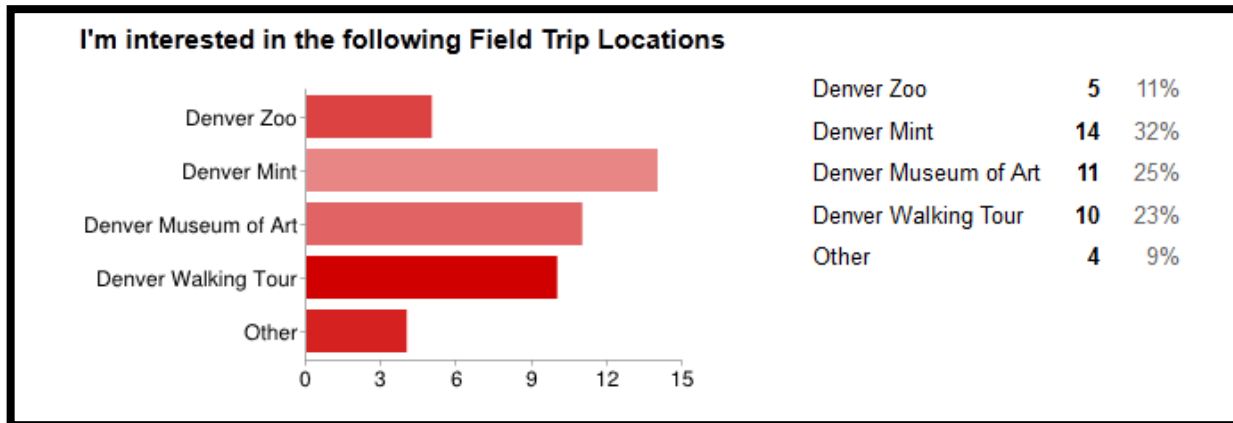


Figure 1: Field trip location survey results snapshot

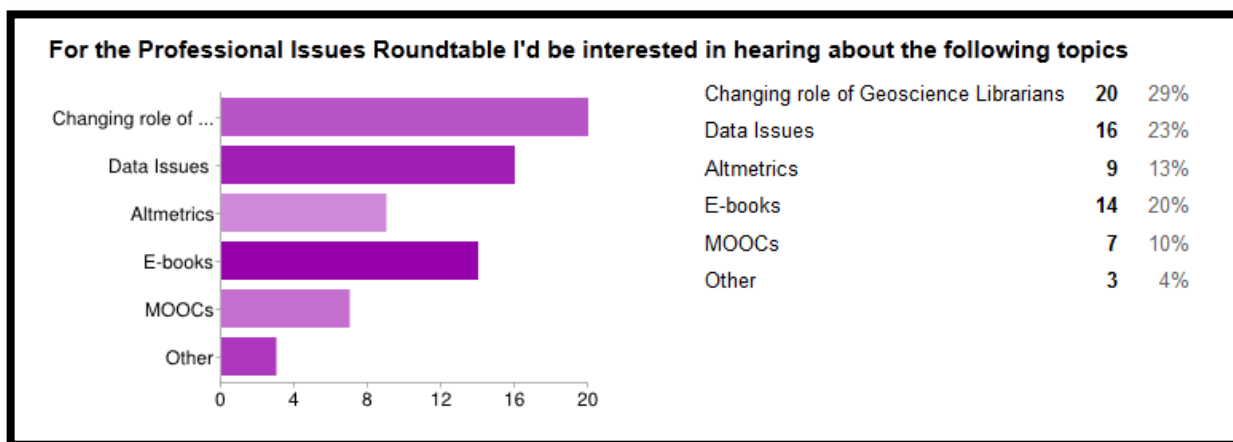


Figure 2: Possible topics of conversation for the professional issues round table at the 2013 GSIS Annual Meeting held in conjunction with the 2013 GSA Annual Meeting.

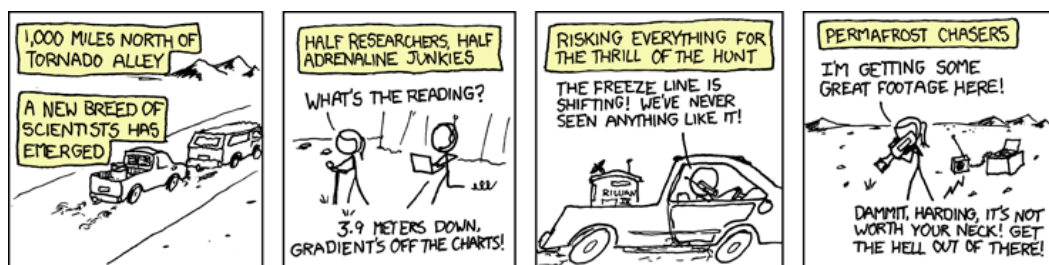
I would like to thank the sponsors that have already committed funds, and will continue to work with other vendors to ensure good conference support.

Registration link:
<http://community.geosociety.org/2013AnnualMeeting/Reg>.



Don't forget to register for the conference!

Comic Interlude



CC-BY-NC image courtesy of XKCD.

More comics available online at <http://xkcd.com>

Tentative GSIS/GSA 2013 Conference Schedule for Denver

Saturday 10/26

- 9am – 4pm - Geoscience Librarianship 101 Workshop (registration requested in advance, see page 11)
- 3 – 5pm - Executive Board Meeting
- 5 – 7pm - No-host early bird dinner (place to be determined)

Sunday 10/27

- 9am – 12pm - GSIS Business Meeting
- 12 – 1pm - GSA Presidential Address & Medal Ceremony at the Colorado Convention Center (CCC)
- Possible GSIS field trip in the afternoon
- 5 – 7pm - Exhibits open @ CCC

Monday 10/28

- Possible GSIS field trip in the morning/poster session set up

- 12 – 1pm - GSA Awards Ceremony @ CCC
- 1 – 2:30pm - GSIS Luncheon (ticketed event)
- 3 – 5pm - GSIS Information Resources/Vendor Update session
- 2 – 4pm and 5 – 6:30pm - GSIS Poster sessions (presenters present)

Tuesday 10/29

- 9 – 11:30am - GSIS Professional Issues Roundtable
- 6 – 8pm GSIS/Geoinformatics joint Reception and Awards

Wednesday 10/30

- Possible field trip option (though it will most likely be one of the 2 earlier slots.)

Member News

Publications:

Rusty Kimball, Jane Stephens, David Hubbard, and Carmelita Pickett. "A Citation Analysis of Atmospheric Science Publications by Faculty at Texas A&M University." *College and Research Libraries*, Volume 74, Number 4, July 2013.

Rusty Kimball. "Profiles in Science for Science Librarians: Recent Top Award-Winning

Geoscientists." *Science & Technology Libraries*, Volume 32, Number 2, June 2013.

New Member:

Toni Freeman
Rio Tinto Minerals

GSA Backfiles Now Available

The Geological Society of America has recently completed digitizing the remainder of its e-book archive. *GSA Special Papers*, *Memoirs*, and *Reviews in Engineering Geology* are now available back to volume 1. The *Field Guide* archive was already complete. Institutional e-book access is available as either an annual



subscription package or a one-off archive purchase. Contact subs@geosociety.org for more information. You can view the archive at www.gsapubs.org.

Call for Editors: Resources for College Libraries

Resources for College Libraries (RCL) is a bibliography of selected works spanning the college curriculum and comprising a recommended core collection for all academic libraries. Available online at <http://rclweb.net>,



RCL covers 61 curriculum-specific subjects and identifies approximately 75,000 titles most necessary for teaching undergraduates, including electronic resources essential for academic study. Subject editors are responsible for selecting and maintaining the most critical resources related to the undergraduate curriculum. We are currently seeking bibliographer(s) to serve as editors for the geology section, which is currently being edited by GSIS members Andrea Twiss-Brooks and Linda Zellmer. Andrea Twiss-Brooks will be stepping down at the end of this year. Linda Zellmer would be willing to work with replacement(s) for a year or two, but would also like to step down.

RCL subject editors oversee the content development and ongoing revision in an area, with particular responsibilities including:

- Regularly adding new titles to the subject area.
- Reviewing and removing unessential titles from the subject area.
- Maintaining and developing the subject taxonomy.
- Managing, if necessary, bibliographers to aid in selection.
- Remaining aware of current trends in teaching, research, and academic resources related to the subject area.

RCL is revised regularly and has a variety of uses: it is consulted by colleges and faculty adapting to new curricula, by student researchers, by librarians for collection development purposes, and by accrediting agencies. As the successor to *Books for College Libraries*, RCL is a collaborative project between the Association of College and Research Libraries' *Choice* magazine editorial staff, knowledgeable subject editors recruited from teaching faculty and academic librarians, and R.R. Bowker. RCL subject editors must balance in-depth subject knowledge with the mission of establishing a core collection for the liberal arts and sciences college library.



This volunteer role involves limited time commitment (approximately 50 hrs/year), the opportunity to contribute a project with international reach and can be completed remotely. To join RCL's editorial roster, interested applicants should submit a CV or résumé, along with a brief description of qualifications related to managing a core collection in the subject. If you are interested in this professional service opportunity or would like more information, please contact Anne Doherty, RCL Project Editor, at adoherty@ala-choice.org.

To learn more about RCL and view the current editorial roster, visit <http://www.bowker.com/en-US/products/rcl/>

New Geoscience Open Access Publications

By Shaun Hardy

[Editor's Note: This is the second installment of an ongoing irregular series about new open access publications in the geosciences. If you hear of a new publication, please contact the author at shardy@ciw.edu]

The August 22 issue of *Nature* reported that open access publishing has reached a tipping point: 50% of the research articles published in 2011 are now available online for free, according to a newly-released study conducted for the European Commission (http://www.science-metrix.com/eng/news_13_08.htm). The study spanned 22 disciplines in Europe, Canada, Japan, Brazil, and the USA and looked at a sample of 320,000 papers. 45% of earth and environmental science papers published during 2008-2011 were found to be openly accessible, though only 7% of them were in gold OA journals.

The percentage of freely available articles in the geosciences from 2008-2011 actually decreased somewhat from 2004-2007. The highest-growth areas were general science and technology, chemistry, agriculture/fisheries/forestry, public health and clinical medicine. Still, new OA geoscience journals continue to be launched. Bonnie Swoger profiled two in the June 2013 *GSIS Newsletter*. Additional recent arrivals on the OA scene are described below.

I welcome information about others for inclusion in future columns; please e-mail me at shardy@ciw.edu.

Geoscientific Instrumentation, Methods and Data Systems (GI):

GI is an “interactive open access journal” published by Copernicus Publications on behalf of the European Geosciences Union (EGU). Like other Copernicus/EGU journals, GI incorporates “public peer-review and interactive public discussion” via a two-stage publishing

process, starting with posting in the companion forum *Geoscientific Instrumentation, Methods and Data Systems Discussions (GID)*.

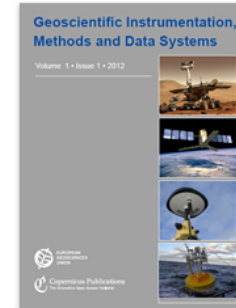
Following revision based on public comment articles may be accepted for formal publication in the main journal. GI is intended for rapid publication of original articles and short communications on instrumentation and data systems for earth, atmospheric, ocean, and space sciences. Article processing fees are not currently being charged. Authors retain copyright; papers are published under Creative Commons Attribution 3.0 licensing. The first discussions were posted online in December 2011 and the first formal paper in March 2012. Four issues have been published to date.

Website: <http://www.geoscientific-instrumentation-methods-and-data-systems.net>

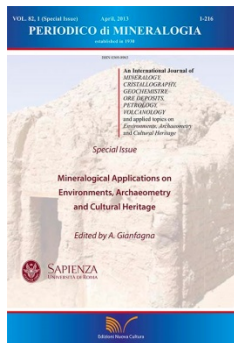
Journal of Applied Volcanology:

Subtitled “Society and Volcanoes,” SpringerOpen’s *Journal of Applied Volcanology* focuses on applied research relating to volcanism and its societal impacts. Its scope includes risk analysis and mitigation; response and recovery; health, cultural and economic factors; and physical volcanology. The journal aims for rapid publication of “high-impact research and review papers.” It was launched in January 2012, but so far only ten articles have been published. Authors retain copyright and pay an article processing fee of \$1335.

Website: <http://www.appliedvolc.com/>



Periodico di Mineralogia:



Founded in 1930, the venerable *Periodico di Mineralogia* is published by Edizioni Nuova Cultura for the Department of Earth Sciences at Sapienza University of Rome. The journal recently transitioned to an open access publishing mode, though a print edition is still issued

in parallel. Full-text is available online back to 1999. While formerly largely Italian, papers are now all in English. *Periodico di Mineralogia* is open to original research and review papers in mineralogy, petrology, crystallography, geochemistry, volcanology, ore deposits, and applied topics. A special issue on “mineralogical applications on environments, archaeometry, and cultural heritage” was published earlier this year. The website makes no mention of article processing charges, except to note that “color print is free of cost.”

Website: <http://www.periodicodimineralogia.it>

Geoscience Letters:



Geoscience Letters is the official journal of the Asia Oceania Geosciences Society, a Singapore-based, international organization founded in 2003 to “promote geophysical science and public benefits for Asia and

Oceania.” The journal is among the newest titles in the SpringerOpen portfolio. A call for papers went out in July of this year. The journal accepts research letters (concise reports of original research), comments, and concise reviews. Subject coverage spans the Earth, environmental, planetary, and space sciences. As with other SpringerOpen journals, authors retain copyright. There is an article processing charge of \$1065. No issues have yet been published.

Website: <http://www.geoscienceletters.com/>

Review: EarthChem

By Mary C. Schlembach, University of Illinois at Urbana-Champaign

Website: <http://www.earthchem.org>



EarthChem

EarthChem “is a community-driven effort to facilitate

the preservation, discovery, access and visualization of data generated in the geosciences, with particular emphasis on geochemical, geochronological, and petrological data” (<http://www.earthchem.org/overview>).

Sharing data is becoming more critical to funding agencies, scientists, teachers, librarians, and others interested in advancing science and creating shared data repositories and related methodologies. EarthChem fulfills an important need as an advanced geochemical data management system. It is supported by the

National Science Foundation (NSF) and the Integrated Earth Data Applications (IEDA).

EarthChem currently has four geochemical data systems that aid users in compiling data in one location, providing exploration of geochemical data, generating integrated data subsets for innovation and new analysis, and offering archival and preservation services.

EarthChem provides metadata templates and has recommends using International Geo Sample Numbers (IGSN) for sample identification and providing latitude and longitude information. EarthChem will generate a permanent Data Object Identifier (DOI) assigned by IEDA for publication and dataset identification purposes. It will also permit a wide variety of submission

types: still and moving images, events, software, sound files, interactive resources, as well as text files.

Users are able to click on an interactive world map for dataset sample locations, review Harker diagrams and TAS geochemical data, view citation statistics, and save searches. A portal allows federated searches across the Petrological Database (PetDB), Integrated Data Management for Sediment Geochemistry (SedDB), Deep Lithosphere Dataset (DLDS), and the Geochemical Database for Seafloor Hydrothermal Springs databases (VentDB).

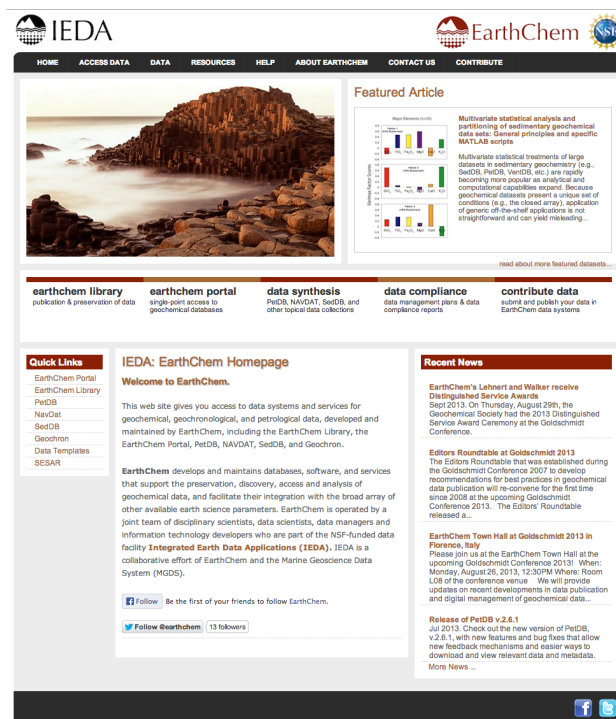
Elsevier has partnered with EarthChem to link datasets to published articles in 23 geoscience and earth science journals on the ScienceDirect platform. Banner images for related EarthChem datasets are displayed at the journal article level (see figure 1).



Figure 1: Journal articles on the ScienceDirect platform associated with EarthChem data display the EarthChem banner on the right hand side of the article text in HTML view.

This is a highly recommended, freely available, resource for geochemistry scientists and

information professionals, particularly those practicing in the United States. Submitting data to the EarthChem database would fulfill the data submission requirements of the National Science Foundation and other granting agencies. It includes a data management plan template and a data compliance reporting tool based on NSF requirements. Currently there are no associated costs, although users need to sign up for an IEDA GeoPass account in order to submit dataset materials.



Review: Sea Level Rise and Coastal Flooding Impacts Viewer

By Linda Zellmer, Western Illinois University

Website: <http://www.csc.noaa.gov/slr/viewer>
 Publisher: Coastal Services Center, National Oceanic and Atmospheric Administration



The flooding caused by

Hurricane Sandy showed us that coastal areas could be impacted as sea level continues to rise.

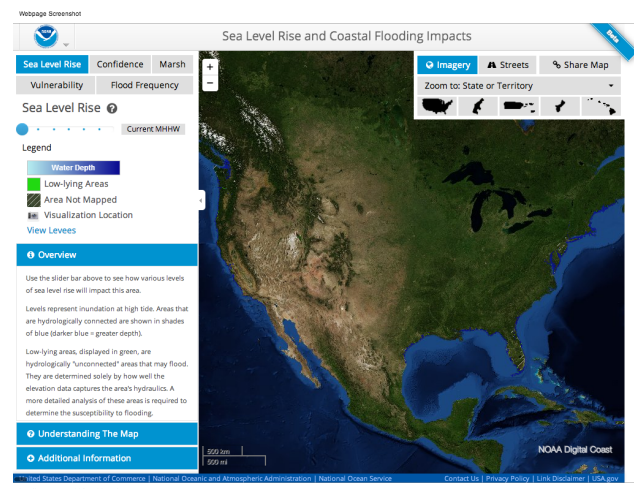
The ability to model the impacts of sea level rise would be useful for planning and as a teaching resource. The Sea Level Rise Viewer allows people in coastal communities to visualize the potential impacts of continued sea level rise.

From the viewer site, click the Launch button. When the viewer opens, users see a map of the United States showing current mean higher high

water with areas of the coastal zone outlined; areas that do not have any outlines do not have any data and are not yet functional. Mean Higher High Water (MHHW) is defined as the “average of the higher high water height of each tidal day observed over the National Tidal Datum Epoch” (NOAA Tidal Datums: http://tidesandcurrents.noaa.gov/datum_options.html); in other words, MHHW is an average of the highest high tide event.

At the top left hand side of the viewer (I used the Beta version) is a slider bar with a blue dot. People viewing the site can use the mouse to move the dot to the right. Each tick mark is one foot of sea level rise. As sea level rises, the mapping system shows the area that will be inundated. In some areas of the map, a little camera icon is shown. Clicking on those icons reveals a photo that can also be manipulated with the slider; as sea level rises, features in the photos may be flooded during storm events. In essence, the system shows areas that will be inundated during storms as sea level rises. Tabs show the level of confidence that a sea level rise is correct, and is based on the confidence level of the topographic model behind the model. The

“Marsh” tab shows areas that may become marsh land as sea level rises. Clicking “Vulnerability” (not available for all areas) shows how sea level rise will impacts vulnerable populations (based on age and poverty status) and businesses. Economic impacts of sea level rise show the impacts on businesses, employers and wages.



This free tool will be a useful teaching resource for classes on natural hazards and people who want to learn more about potential problems related to climate change.

New Stress Reduction at the University of California, Santa Cruz

By Ann Hubble, University of California, Santa Cruz

Bringing therapy dogs to the library to help students relieve stress is a growing trend in academic libraries across the country. During finals week in March 2013 the University of California, Santa Cruz (UCSC) started a pilot program consisting of one therapy dog alternating visits between our two campus libraries. Our campus has a strict no dogs on campus policy and we weren’t sure how many students might show up to pet a therapy dog. Ha! The student response to a therapy dog in the library was off the charts. Not only did hundreds of students come by each evening to visit with Layna the therapy dog, the number of “Likes” on our mildly visited Facebook page have never been so high. Our campus

Counseling and Psychological Services office took notice and asked to sponsor our next event. Our local city newspaper also wrote an article about our first event (Morgan, 2013).



In June 2013, we recruited more therapy dogs and have started building our therapy dog “pack”

to meet student demand. Why would students visit therapy dogs in the library? One reason is they miss their own dogs back home. The library is a fun place to be, and the students claim it really does help them relax. Research backs them up, showing that time spent petting an animal can lower feelings of stress, lower blood pressure and improve mood and sense of

well being. In the meantime, we're looking for more therapy dogs to join us in the library this coming December.

References:

Morgan, T. (2013, March 15). Therapy dog provides relief for UCSC students studying for midterms. *Santa Cruz Sentinel*. Retrieved from <http://www.santacruzsentinel.com>

Geoscience Librarianship 101: Professional Development Seminar

By Clara McCleod

Date: October 26, 2013

Join experienced librarians for "Geoscience Librarianship 101" - a free seminar on geoscience librarianship, held in conjunction with the annual meeting of the Geological Society of America for the eighth consecutive year.

The workshop sponsored by GSIS will be held on Saturday, October 26, 2013, at Auraria Library in Denver, Colorado from 9:00 a.m. – 3:30 p.m. Clara McCleod will coordinate this year's seminar. The presenters will include Linda Zellmer, Hannah Winkler, Emily Wild and Amanda Bielskas.

Sessions will be presented on collection development, reference and instructional services in geoscience libraries, and map librarianship and GIS. There will be an opportunity for open discussion and feedback. The schedule of presentations is still being

finalized; details will be posted on Geonet-L as soon as they are available.

Participation is open to all professional librarians, information specialists, and students in library and information science. The seminar is free of charge, but advance registration is required. Space is limited and the deadline to register is October 18, 2013. This offsite, pre-meeting event does not require registration for the GSA Annual Meeting.

To register, please send name, daytime contact information and professional (work/school) affiliation to:

Clara McCleod
Rettner EPSc Library/CB1169
Washington University
One Brookings Drive
St. Louis, MO 63130
Telephone [314-935-4817](tel:314-935-4817)
e-mail cpmcleod@wustl.edu.

GSIS Publications List

Proceedings of the Annual GSIS Meetings (ISSN 0072-1409)

\$45.00 each; standing orders are \$45.00/year.

Contents of *GSIS Proceedings* are indexed in *GeoRef*, the comprehensive geosciences online database.

Volume	Year	Title
v.42	2011	Printed Past, Digital Future: We Hold the Key
v.41	2010	"Peak" Performances
v.40	2009	Navigating the Geoscience Information Landscape: Pathways to Success
v.39	2008	Libraries in Transformation: Exploring Topics of Changing Practices and New Technologies
v.38	2007	Geoscience Information: Making the Earth Sciences Accessible for Everyone.
v.37	2006	Geoscience Information: Keys to Discovery
v.36	2005	Collaboration for the Dissemination of Geologic Information among Colleagues
v.35	2004	Geoinformatics
v.34	2003	Geoscience Information Horizons: Challenges, Choices, and Decisions
v.33	2002	New Heights in Geoscience Information: Access and Technology
v.32	2001	Geoscience Information: a Dynamic Odyssey
v.31	2000	Electronic Information Summit: New Developments and Their Impacts
v.30	1999	Communication Divides: Perspectives on Supporting Information Bridges in the Geosciences
v.29	1998	Accreting the Continent's Collections
v.28	1997	The Costs and Values of Geoscience Information
v.27	1996	Expanding Boundaries: Geoscience Information for Earth System Science
v.26	1995	Crossing the Bridge to the Future: Managing Geoscience Information for the Next Decade

Proceedings volumes 1 through 25 are out of print and available from:
Out-of-print Books on Demand,
University Microfilms, Inc.,
300 North Zeeb Road,
Ann Arbor, MI 48106

Proceedings of the International Geoscience Information

Conferences

- 6th, 1998 *Science Editing and Information Management, Proceedings of the Second International AESEI CBEI EASE Joint Meeting*, Sixth International Conference on Geoscience Information, and Thirty-second Annual Meeting, Association of Earth Science Editors, ed. by C. J. Manson. (ISBN 0-934485-30-5) \$ 25.00
- 5th, 1994 *Geoinfo V, Proceedings of the 5th International Conference on Geoscience Information*, ed. by Jiri Hruska. (ISBN 0-934485-27-5) \$45.00 (2 vols.)

Directory of Geoscience Libraries, North America.

5th Edition, 1997. (ISBN 0-934485-25-9) Paper. \$ 35.00

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