Creative Thought: An Investigation of Conceptual Structures and Processes

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Creativity is a powerful and elusive force. It brings about scientific, technological, and artistic accomplishment, and it allows us to adapt to changes in our lives, to solve problems, and to resolve conflicts. Little wonder, then, that cognitive psychologists have long been fascinated by the mysteries of creative thought: Where do people get new ideas? How are they inspired to make new discoveries? How is old knowledge mapped onto novel situations, and how are old, mistaken ways of thinking replaced by innovative perspectives?

*Creative Thought* examines these questions in light of the most important new research on the nature of creativity, with an emphasis on its generative aspects—that is, on how old concepts are used to generate new ideas. This is a unique focus, since most works on creativity have emphasized its receptive aspects. The chapters cover four major areas of study: conceptual combination, conceptual expansion, metaphor, and analogy.

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About the Editors (circa 1997)

Thomas B. Ward, PhD, is professor of psychology at Texas A&M University. His research focuses on the nature of concepts, including how they are acquired, structured, and used in creative and noncreative endeavors. Dr. Ward has also conducted basic and applied studies concerned with increasing the innovative potential of new ideas. He is one of the founding members of the Creative Cognition Research Group, has served on the editorial board of Child Development, and currently serves as associate editor of Memory & Cognition.

Steven M. Smith, PhD, is associate professor of psychology at Texas A&M University. He has conducted research on memory blocks and creative thinking blocks since 1979, when he received his doctoral degree from the University of Wisconsin. Dr. Smith has published three books on creative cognition, including The Creative Cognition Approach, and he is on the editorial board of the Journal of Creative Behavior. Dr. Smith has also investigated conformity and incubation effects in thinking.

Jyotsna Vaid, PhD, is associate professor of psychology at Texas A&M University. The focus of her research is cognitive and neuropsychological aspects of language functioning in bilinguals. Dr. Vaid has published numerous journal articles and a book, Language Processing in Bilinguals (1986), in this area. Her research has also explored language and number processing, and the cognitive processing of humor.