



# ANNUAL REVIEW OF PSYCHOLOGY

VOLUME 55, 2004

## CONTRIBUTING AUTHORS

Harriet A. Allen  
Timothy B. Baker  
John A. Bargh  
Michael M. Birnbaum  
Anne Bolten  
Thomas R. Brandon  
S. Carey  
Laurie Chassin  
Chiyue Chiu  
Robert B. Cialdini  
Louise G. DeMatteo  
Andrew M. Derrington  
Randy L. Dorn  
Tadin Dugas  
Elizabeth W. Dunn  
Susan Fohrman  
Mark J. Goldstein  
Dana Gruber

Sarah H. Heil  
Stephen T. Higgins  
Karen M. Hochman  
Jeri L. Holt  
N. Kanwisher  
Jennifer Karp  
Norbert E. Kerr  
Daniel Kesten  
Lisa Keetler  
Margie E. Lachman  
Darrin R. Lehman  
Gordon D. Logan  
Andrew J. Lott  
Jennifer Pribani Luster  
Pascal Mamassian  
Richard D. Mayer  
Christa McDermott  
Kathryn K.A. McKenna

Walter Mischel  
Judith Tadin Moshowitz  
Ross B. Parker  
Mark A. Runco  
R. Saxe  
Jeffrey D. Schall  
Mark Schaller  
Lisa A. Serbin  
Jerome M. Stegert  
Adigail J. Stewart  
P. Scott Tindale  
Roger Tourangeau  
Elaine Walker  
Timothy D. Wilson  
John F. Wood  
Alan Yulish

0

5

8

## CONTENTS

---

Frontispiece— <i>Walter Mischel</i>	xvi
<b>PREFATORY</b>	
Toward an Integrative Science of the Person, <i>Walter Mischel</i>	1
<b>LEARNING AND MEMORY PLASTICITY</b>	
On Building a Bridge Between Brain and Behavior, <i>Jeffrey D. Schall</i>	23
The Neurobiology of Consolidations, Or, How Stable is the Engram?, <i>Yadin Dudai</i>	51
<b>BRAIN IMAGING/COGNITIVE NEUROSCIENCE</b>	
Understanding Other Minds: Linking Developmental Psychology and Functional Neuroimaging, <i>R. Saxe, S. Carey, and N. Kanwisher</i>	87
<b>SLEEP</b>	
Hypocretin (Orexin): Role in Normal Behavior and Neuropathology, <i>Jerome M. Siegel</i>	125
<b>SPEECH PERCEPTION</b>	
Speech Perception, <i>Randy L. Diehl, Andrew J. Lotto, and Lori L. Holt</i>	149
<b>DEPTH, SPACE, AND MOTION</b>	
Visual Mechanisms of Motion Analysis and Motion Perception, <i>Andrew M. Derrington, Harriet A. Allen, and Louise S. Delicato</i>	181
<b>ATTENTION AND PERFORMANCE</b>	
Cumulative Progress in Formal Theories of Attention, <i>Gordon D. Logan</i>	207
<b>MEMORY</b>	
The Psychology and Neuroscience of Forgetting, <i>John T. Wixted</i>	235
<b>FORM PERCEPTION AND OBJECT RECOGNITION</b>	
Object Perception as Bayesian Inference, <i>Daniel Kersten,</i> <i>Pascal Mamassian, and Alan Yuille</i>	271
<b>ADULTHOOD AND AGING</b>	
Development in Midlife, <i>Margie E. Lachman</i>	305

**DEVELOPMENT IN SOCIETAL CONTEXT**

- The Intergenerational Transfer of Psychosocial Risk: Mediators of Vulnerability and Resilience, *Lisa A. Serbin and Jennifer Karp* 333

**DEVELOPMENT IN THE FAMILY**

- Development in the Family, *Ross D. Parke* 365

**SCHIZOPHRENIA AND RELATED DISORDERS**

- Schizophrenia: Etiology and Course, *Elaine Walker, Lisa Kestler, Annie Bollini, and Karen M. Hochman* 401

**SUBSTANCE ABUSE DISORDERS**

- Clinical Implications of Reinforcement as a Determinant of Substance Use Disorders, *Stephen T. Higgins, Sarah H. Heil, and Jennifer Plebani Lussier* 431

- Motivational Influences on Cigarette Smoking, *Timothy B. Baker, Thomas H. Brandon, and Laurie Chassin* 463

**INFERENCE, PERSON PERCEPTION, ATTRIBUTION**

- Self-Knowledge: Its Limits, Value, and Potential for Improvement, *Timothy D. Wilson and Elizabeth W. Dunn* 493

**GENDER**

- Gender in Psychology, *Abigail J. Stewart and Christa McDermott* 519

**MASS MEDIA**

- Mediated Politics and Citizenship in the Twenty-First Century, *Doris Graber* 545

**NONVERBAL AND VERBAL COMMUNICATION**

- The Internet and Social Life, *John A. Bargh and Katelyn Y.A. McKenna* 573

**SOCIAL INFLUENCE**

- Social Influence: Compliance and Conformity, *Robert B. Cialdini and Noah J. Goldstein* 591

**SMALL GROUPS**

- Group Performance and Decision Making, *Norbert L. Kerr and R. Scott Tindale* 623

**PERSONALITY PROCESSES**

- Creativity, *Mark A. Runco* 657

**PSYCHOLOGY AND CULTURE**

- Psychology and Culture, *Darrin R. Lehman, Chi-yue Chiu,  
and Mark Schaller* 689

**TEACHING OF SUBJECT MATTER**

- Teaching of Subject Matter, *Richard E. Mayer* 715

**PERSONALITY AND COPING STYLES**

- Coping: Pitfalls and Promise, *Susan Folkman and Judith Tedlie Moskowitz* 745

**SURVEY METHODOLOGY**

- Survey Research and Societal Change, *Roger Tourangeau* 775

- Human Research and Data Collection via the Internet,  
*Michael H. Birnbaum* 803

**INDEXES**

- Author Index 833  
Subject Index 877  
Cumulative Index of Contributing Authors, Volumes 45–55 921  
Cumulative Index of Chapter Titles, Volumes 45–55 926

**ERRATA**

An online log of corrections to *Annual Review of Psychology* chapters  
may be found at <http://psych.annualreviews.org/errata.shtml>