

Contents to Volume 14

Number 1

January–March, 1990

Cognitive Science News ii

Special Issue

Guest Issue Editor: *Rochel Gelman*

Editor's Forward 1
James G. Greeno

Structural Constraints on Cognitive Development:
Introduction to a Special Issue of *Cognitive Science* 3
Rochel Gelman

Maturational Constraints on Language Learning 11
Elissa L. Newport

Principles of Object Perception 29
Elizabeth S. Spelke

Constraints Children Place on Word Meanings 57
Ellen M. Markman

First Principles Organize Attention to and Learning About Relevant Data:
Number and the Animate-Inanimate Distinction as Examples 79
Rochel Gelman

Domain-Specific Principles Affect Learning and Transfer in Children 107
Ann L. Brown

Constraints on Constraints: Surveying the Epigenetic Landscape 135
Frank C. Keil

Safe Takeoffs—Soft Landings 169
*Douglas L. Medin, Woo-Kyoung Ahn, Jeffrey Bettger, Judy Florian,
Robert Goldstone, Mary Lassaline, Arthur Markman, Joshua Rubinstein,
and Edward Wisniewski*

Number 2

April–June, 1990

Cognitive Science News ii

Finding Structure in Time 179
Jeffrey L. Elman

Nonmonotonic Reasoning and Causation 213
Yoav Shoham

Detection of Cognitive Structure with Protocol Data: Predicting Performance on Physics Transfer Problems	253
<i>William C. Robertson</i>	
Laboratory Replication of Scientific Discovery Processes	281
<i>Yulin Qin and Herbert A. Simon</i>	

Number 3 **July–September, 1990**

Cognitive Science News	ii
Race-Based Parsing and Syntactic Disambiguation	313
<i>Susan Weber McRoy and Graeme Hirst</i>	
Compositionality: A Connectionist Variation on a Classical Theme	355
<i>Tim van Gelder</i>	
Case-Based Planning: A Framework for Planning from Experience	385
<i>Kristian J. Hammond</i>	
Algebra Mal-Rules and Cognitive Accounts of Error	445
<i>Stephen J. Payne and Helen R. Squibb</i>	

Number 4 **October–December, 1990**

Cognitive Science News	ii
Learning Plan Schemata From Observation: Explanation-Based Learning for Plan Recognition	483
<i>Raymond J. Mooney</i>	
Abstract Planning and Perceptual Chunks: Elements of Expertise in Geometry	511
<i>Kenneth R. Koedinger and John R. Anderson</i>	
Combining Social Concepts: The Role of Causal Reasoning	551
<i>Ziva Kunda, Dale T. Miller, and Theresa Claire</i>	
Modeling Novice-to-Expert Shifts in Problem Solving Strategy and Knowledge Organization	579
<i>Renée Elio and Peternela B. Scharf</i>	
Errata	641
Algebra Mal-Rules and Cognitive Accounts of Error <i>Stephen J. Payne and Helen R. Squibb</i>	
Author Index to Volume 14	643
Contents Index to Volume 14	644
Acknowledgement: Guest Reviewers	646
	645