

Contents

Contributors	ix
Preface	xi
Acknowledgments	xii

Introduction	1
<i>Herbert L. Pick, Jr., Paulus van den Broek, and David C. Knill</i>	

Part One: Relation Between Organism and Environment

1	The Organization and Reorganization of Categories: The Case of Speech Perception	11
	<i>James J. Jenkins</i>	
2	“Filling” In Versus Finding Out: A Ubiquitous Confusion in Cognitive Science	33
	<i>Daniel C. Dennett</i>	
3	Broadening the Domain of the Fuzzy Logical Model of Perception	51
	<i>Dominic W. Massaro</i>	
4	Ecological Foundations of Cognition: Invariants of Perception and Action	85
	<i>M. T. Turvey</i>	

Part Two: Aspects of Thinking

5	Alternative Representations for Cognition: Search and Reasoning	121
	<i>Herbert A. Simon</i>	

6	A Cognitive Architecture for Comprehension <i>Walter Kintsch</i>	143
7	Theories, Constraints, and Cognition <i>Douglas L. Medin and David M. Thau</i>	165
8	On the Origins of Domain-Specific Primitives <i>David Premack</i>	189

Part Three: Learning in the Larger World

9	How to Think About Perceptual Learning: Twenty-Five Years Later <i>Eleanor J. Gibson</i>	215
10	Learning, Cognition, and Education: Then and Now <i>Robert Glaser</i>	239
11	Preliminaries to a Theory of Culture Acquisition <i>Claudia Strauss and Naomi Quinn</i>	267
12	Liberation Thereology <i>Gerald M. Siegel</i>	295
13	Expertise and Fit: Aspects of Cognition <i>Paul E. Johnson, Laura K. Kochevar, and Imran A. Zualkernan</i>	305

Afterword

	Two Themes in the Study of Cognition <i>Ulric Neisser</i>	333
--	--	-----

	Index	341
	About the Editors	359