

# Contents

---

Acknowledgements

ix

Introduction

xiii

## PART I EARLY DATA AND EARLY (AND LATE) SELECTION THEORIES

1. E. Colin Cherry (1953), 'Some Experiments on the Recognition of Speech, with One and with Two Ears', *Journal of the Acoustical Society of America*, 25 (5), September, 975–9 3
2. D.E. Broadbent (1957), 'A Mechanical Model for Human Attention and Immediate Memory', *Psychological Review*, 64 (3), 205–15 8
3. Neville Moray (1959), 'Attention in Dichotic Listening: Affective Cues and the Influence of Instructions', *Quarterly Journal of Experimental Psychology*, XI, 56–60 19
4. Anne M. Treisman (1960), 'Contextual Cues in Selective Listening', *Quarterly Journal of Experimental Psychology*, XII, 242–8 24
5. J.A. Gray and A.A.I. Wedderburn (1960), 'Grouping Strategies with Simultaneous Stimuli', *Quarterly Journal of Experimental Psychology*, XII, 180–84 31
6. J.A. Deutsch and D. Deutsch (1963), 'Attention: Some Theoretical Considerations', *Psychological Review*, 70 (1), January, 80–90 36
7. G.H. Mowbray (1964), 'Perception and Retention of Verbal Information Presented during Auditory Shadowing', *Journal of the Acoustical Society of America*, 36 (8), August, 1459–64 47
8. Sam Glucksberg and George N. Cowen Jr. (1970), 'Memory for Nonattended Auditory Material', *Cognitive Psychology*, 1, 149–56 53
9. Donald A. Norman (1968), 'Toward a Theory of Memory and Attention', *Psychological Review*, 75 (6), November, 522–36 61
10. Donald A. Norman (1969), 'Memory while Shadowing', *Quarterly Journal of Experimental Psychology*, 21, 85–93 76
11. Anne Treisman and Gina Geffen (1967), 'Selective Attention: Perception or Response?', *Quarterly Journal of Experimental Psychology*, XIX, Part 1, 1–17 85
12. J.A. Deutsch and Diana Deutsch (1967), 'Comments on "Selective Attention: Perception or Response?"', *Quarterly Journal of Experimental Psychology*, XIX, 362–3 102

13. Robert F. Hink and Steven A. Hillyard (1976), 'Auditory Evoked Potentials during Selective Listening to Dichotic Speech Messages', *Perception and Psychophysics*, **20** (4), October, 236–42 104
14. William A. Johnston and Steven P. Heinz (1978), 'Flexibility and Capacity Demands of Attention', *Journal of Experimental Psychology: General*, **107** (4), December, 420–35 111
15. William A. Johnston and Jolynn Wilson (1980), 'Perceptual Processing of Nontargets in an Attention Task', *Memory and Cognition*, **8** (4), July, 372–7 127
16. Anne M. Treisman and Garry Gelade (1980), 'A Feature-Integration Theory of Attention', *Cognitive Psychology*, **12** (1), January, 97–136 133
17. Anne Treisman (1988), 'Features and Objects: The Fourteenth Bartlett Memorial Lecture', *Quarterly Journal of Experimental Psychology*, **40A** (2), 201–37 173

## PART II THE BREAKTHROUGH OF THE UNATTENDED AND TWO-CHANNEL PROCESSING

18. Joe L. Lewis (1970), 'Semantic Processing of Unattended Messages Using Dichotic Listening', *Journal of Experimental Psychology*, **85** (2), August, 225–8 213
19. R.S. Corteen and B. Wood (1972), 'Autonomic Responses to Shock-Associated Words in an Unattended Channel', *Journal of Experimental Psychology*, **94** (3), August, 308–13 217
20. J.R. Lackner and M.F. Garrett (1972), 'Resolving Ambiguity: Effects of Biasing Context in the Unattended Ear', *Cognition*, **1** (4), 359–71 223
21. Ulric Neisser and Robert Becklen (1975), 'Selective Looking: Attending to Visually Specified Events', *Cognitive Psychology*, **7**, 480–94 236
22. J. Ridley Stroop (1935), 'Studies of Interference in Serial Verbal Reactions', *Journal of Experimental Psychology*, **XVIII** (6), December, 643–62 251
23. Mark Dallas and Philip M. Merikle (1976), 'Semantic Processing of Non-Attended Visual Information', *Canadian Journal of Psychology*, **30**, 15–21 271
24. Geoffrey Underwood (1976), 'Semantic Interference from Unattended Printed Words', *British Journal of Psychology*, **67** (3), August, 327–37 278
25. William O. Shaffer and David LaBerge (1979), 'Automatic Semantic Processing of Unattended Words', *Journal of Verbal Learning and Verbal Behaviour*, **18** (4), August, 413–26 289
26. Steven P. Tipper (1985), 'The Negative Priming Effect: Inhibitory Priming by Ignored Objects', *Quarterly Journal of Experimental Psychology*, **37A**, 571–90 303

### PART III AUTOMATED INPUT RECOGNITION

27. David LaBerge and S. Jay Samuels (1974), 'Toward a Theory of Automatic Information Processing in Reading', *Cognitive Psychology*, **6**, 293–323 325
28. Michael I. Posner and Charles R.R. Snyder (1975), 'Attention and Cognitive Control', in Robert L. Solso (ed.), *Information Processing and Cognition: The Loyola Symposium*, Hillsdale: Erlbaum, 55–85 356
29. James H. Neely (1977), 'Semantic Priming and Retrieval from Lexical Memory: Roles of Inhibitionless Spreading Activation and Limited-Capacity Attention', *Journal of Experimental Psychology: General*, **106** (3), September, 226–54 387
30. Geoffrey Underwood (1974), 'Moray vs. the Rest: The Effects of Extended Shadowing Practice', *Quarterly Journal of Experimental Psychology*, **26**, 368–72 416
31. Donald A. Norman and Daniel G. Bobrow (1975), 'On Data-Limited and Resource-Limited Processes', *Cognitive Psychology*, **7**, 44–64 421
32. Walter Schneider and Richard M. Shiffrin (1977), 'Controlled and Automatic Human Information Processing: I. Detection, Search, and Attention', *Psychological Review*, **84** (1), January, 1–66 442
33. Richard M. Shiffrin and Walter Schneider (1977), 'Controlled and Automatic Human Information Processing: II. Perceptual Learning, Automatic Attending, and a General Theory', *Psychological Review*, **84** (2), March, 127–90 508
34. Colin Ryan (1983), 'Reassessing the Automaticity–Control Distinction: Item Recognition as a Paradigm Case', *Psychological Review*, **90** (2), April, 171–8 572
35. John Jonides, Moshe Naveh-Benjamin and John Palmer (1985), 'Assessing Automaticity', *Acta Psychologica*, Special Issue, **60**, 157–71 580
36. Jonathan D. Cohen, Kevin Dunbar and James L. McClelland (1990), 'On the Control of Automatic Processes: A Parallel Distributed Processing Account of the Stroop Effect', *Psychological Review*, **97** (3), July, 332–61 595