

ND-A164 839

MAN AS AN INFORMATION PROCESSOR: A BIBLIOGRAPHY  
(1972-1976) (U) NAVY PERSONNEL RESEARCH AND DEVELOPMENT  
CENTER SAN DIEGO CA SEP 77 NPRDC-TN-77-18

1/1

UNCLASSIFIED

F/G 5/18

NL

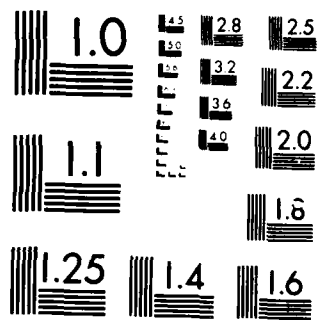
FILED

1 8

END

FILED

SPC



MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A



AD-A164 839

NAVY PERSONNEL RESEARCH AND DEVELOPMENT CENTER SAN DIEGO, CALIFORNIA 92152

NPRDC TN 77-18

SEPTEMBER 1977

NPRDC/TN

77-18

MAN AS AN INFORMATION PROCESSOR:  
A BIBLIOGRAPHY (1972-1976)

DTIC FILE COPY

DTIC  
ELECTE  
MAR 4 1986  
S A D  
Ref. c.3

This document has been approved for public release and sale; its distribution is unlimited.

8 6 3 3 1 4 8

Technical Note 77-18

September 1977

MAN AS AN INFORMATION PROCESSOR:  
A BIBLIOGRAPHY (1972-1976)

Jeneva L. Lane

Reviewed by  
Michael W. O'Bar

Naval Personnel Research and Development Center  
San Diego, California 92152

FOREWORD

This project was undertaken in order to enhance the Center's capability to accomplish work in the area of information and decision processes at both the exploratory development and advanced development levels.

J. J. CLARKIN  
Commanding Officer

QUALITY  
INSPECTED  
5

By <i>in file</i>	
Distribution <i>AP</i>	
Availability Codes	
Dist	Avail and/or Special
<i>A1</i>	

## CONTENTS

	Page
INTRODUCTION . . . . .	1
GENERAL REFERENCES . . . . .	3
CENTRAL PROCESSES . . . . .	4
Memory (General) . . . . .	4
Short-Term Memory and Long-Term Memory . . . . .	6
Encoding Strategies . . . . .	7
Recognition . . . . .	9
Recall . . . . .	10
LEARNING . . . . .	11
Human Learning . . . . .	11
Models . . . . .	12
PROBLEM SOLVING . . . . .	13
DECISION MAKING . . . . .	16
General . . . . .	16
Problem Recognition . . . . .	27
Action Selection . . . . .	28
Group Decision Making . . . . .	30
Models and Simulations . . . . .	30
Mathematical Issues and Models . . . . .	32
Computer Aids . . . . .	33
PROBABILITY THEORY . . . . .	35
Subjective Probability and Estimation . . . . .	35
Probability Learning . . . . .	40
COGNITIVE STYLE . . . . .	43
General . . . . .	43
Concept Formation . . . . .	45
Search and Scanning . . . . .	47
INFORMATION PROCESSING . . . . .	49
REACTION TIME . . . . .	54

## INTRODUCTION

In our environment man is constantly receiving information, interpreting it, and acting on it. The present bibliography encompasses the literature dealing with the final two stages of this process. Information processing is the psychological label that has been used to describe the cognitive activities that play a mediating role between environmental stimuli and responses that individuals make. The general areas that are covered in this bibliography deal with the research covering the areas of information storage (memory) and action implementation (decision theory and problem solving).

The main sources that were reviewed to compile the present bibliography included the leading psychological journals and the United States Government Technical Reports. The literature was classified by subject area and within each area the references were listed alphabetically by first author.

*In process, for review*  
*Library*  
*1967*

## MAN AS AN INFORMATION PROCESSOR

### I. General References

- Ackren, W. B., & Korkan, K. D. Design option decision tree: A method for systematic analysis of design problems and integration of human factors data (W. A. AFHRL Tech. Rep. 75-9), Brooks Air Force Base, TX: Air Force Human Resources Laboratory, July 1975, 19.
- Atkinson, R. C., & Juola, J. F. Search and decision processes in recognition memory. In D. H. Krantz, R. C. Atkinson, R. D. Luce, & P. Suppes (Eds.), Contemporary developments in mathematical psychology: I. Learning, memory, and thinking. San Francisco, CA: W. H. Freeman, 1974, 299.
- Axelrod, R. M. Framework for a general theory of cognition and choice. Berkeley, CA: A California Institute of International Studies, 1972, 18, 55.
- Bruner, J. S. Beyond the information given: Studies in the psychology of knowing. New York, NY: W. W. Norton, 1973, 502.
- Cristian-Melicson, G. Decision making, problem solving, and creative thinking. Studia Psychologica, 1972, 14(1), 59-63.
- Cummings, H. E. The cognitive control of stress. Dissertation Abstract International, 1973, 33(10-A), 5826.
- Dalenoort, G. J. (Ed.). Process models for psychology: Lecture notes of the NUFFIC international summer course, 1972. Rotterdam, Netherlands: Rotterdam University Press, 1973, 383.
- Dyer, F. N. The Stroop phenomenon and its use in the study of perceptual, cognitive, and response processes. Memory and Cognition, 1973, 1(2), 106-120.
- Estes, W. K. (Ed.). Handbook of learning and cognitive processes: IV. Attention and memory. Hillsdale, NJ: Lawrence Erlbaum, 1976, 436.
- Johnson, E. S., & Baker, R. F. Computers in behavioral science: The computer as experimenter: New results. Behavioral Science, 1973, 18(5), 377-385.
- Shibahara, S. Topological principles of human thinking. Tottori, Japan: Tottori University Press, 1974, 191.
- Shulman, L. S., & Elstein, A. S. Studies of problem solving, judgment, and decision making: Implications for educational research. In F. N. Kerlinger (Ed.), Review of research in education. Itasca, IL: Peacock Publications, 1975, 3, 305.



Solso, R. L. (Ed.). Contemporary issues in cognitive psychology: The Loyola Symposium. Washington, D. C.: V. H. Winston & Sons, 1973, 348.

Streufert, S., & Streufert, S. C. Psychological and psycho-political variables in social perception, decision making, and social interaction in complex environments (Contract N00014-67-A-0226-007; Tech. Rep. 47). West Lafayette IN: Purdue University, 1972.

## II. Central Processes

### A. Memory (General)

Anderson, N. S., & Burns, V. D. A comparison of presentation rates using a missing item probe test of immediate memory. Bulletin of the Psychonomic Society, 1973, 2(4), 200-202.

Atkinson, R. C., & Shiffrin, R. M. Human memory: A proposed system and its control processes. In K. W. Spence & J. T. Spence (Eds.), The psychology of learning and motivation: II. New York, NY: Academic Press, 1968, 249.

Baddeley, A. D. Human memory. In P. C. Dodwell (Ed.), New horizons in psychology. 2 Harmondsworth, England: Penguin, 1972, 287.

Byrnes, D. L. Memory search of dichotically presented lists of digits. Bulletin of the Psychonomic Society, 1976, 8(3), 185-187.

Chechile, R., & Meyer, D. L. A Bayesian procedure for separately estimating storage and retrieval components of forgetting. Journal of Mathematical Psychology, 1976, 13(3), 269-295.

Cofer, C. N. Constructive processes in memory. American Scientist, 1973, 61(5), 537-543.

Cofer, C. N. (Ed.). The structure of human memory. San Francisco, CA: W. H. Freeman, 1976, 213.

Craik, F. I. A "levels of analysis" view of memory. In P. Pliner, L. Krames, & T. Alloway (Eds.), Communication and affect: Language and thought. New York, NY: Academic Press, 1973, 200.

Craik, F. I., & Lockhart, R. S. Levels of processing: A framework for memory research. Journal of Verbal Learning and Verbal Behavior, 1972, 11(6), 671-684.

Crowder, R. G. Visual and auditory memory. In J. F. Kavanagh & I. G. Mattingly (Eds.), Language by ear and by eye: The relationship between speech and reading. Cambridge, MA: Massachusetts Institute of Technology Press, 1972, 398.

Davis, J. O. Analysis of cognitive components of memory during stress. Dissertation Abstracts International, 1973, 33(12-B), 6073.

- Deutsch, D., & Deutsch, A. Short-term memory. New York, NY: Academic Press, 1975.
- Essman, W. B., & Nakajima, S. (Eds.). Current biochemical approaches to learning and memory. Flushing, NY: Spectrum Publication, 1973, 205.
- Estes, W. K. Memory and conditioning. In F. J. McGuigan & D. B. Lumsden (Eds.), Contemporary approaches to conditioning and learning. Washington, D. C.: V. H. Winston & Sons, 1973, 321.
- Gettys, V. S., & Gettys, C. F. Predetermined sequences and a direct measure of memory in a concept-identification task. Psychological Reports, 1973, 32(2), 587-598.
- Hellige, J. B., & Cox, P. J. Effects of concurrent verbal memory on recognition of stimuli from the left and right visual fields. Journal of Experimental Psychology: Human Perception and Performance, 1976, 2(2), 210-221.
- Hintzman, D. L., & Summers, J. J. Long-term visual traces of visually presented words. Bulletin of the Psychonomic Society, 1973, 1(5-A), 325-327.
- Honeck, R. P. Interpretive versus structural effects on semantic memory. Journal of Verbal Learning and Verbal Behavior, 1973, 12(4), 448-455.
- Howell, W. C. Representation of frequency in memory. Psychological Bulletin, 1973, 80(1), 44-53.
- Kausler, D. H. Psychology of verbal learning and memory. New York, NY: Academic Press, 1974, 583.
- Kennedy, A., & Wilkes, A. (Eds.). Studies in long term memory. New York, NY: Wiley, 1975, 358.
- Kesner, R. A neural system analysis of memory storage and retrieval. Psychological Bulletin, 1973, 80(3), 177-203.
- Kintsch, W. The presentation of meaning in memory. New York, NY: Halsted Press, 1974, 279.
- Klein, K., & Saltz, E. Specifying the mechanisms in a levels-of-processing approach to memory. Journal of Experimental Psychology: Human Learning and Memory, 1976, 2(6), 671-679.
- Mason, M., & Katz, L. Clarification of the roles of absolute and relative frequency on list differentiation. Journal of Experimental Psychology, 1974, 102(6), 1130-1132.
- Merluzzi, T. V., & Johnson, N. F. The effect of repetition on iconic memory. Quarterly Journal of Experimental Psychology, 1974, 26(2), 266-273.

Murdock, B. B. Human memory: Theory and data. New York, NY: Halsted Press, 1974.

Murdock, B. B. Human memory: Theory and data. Potomac, MD: Lawrence Erlbaum, 1974, 362.

Pylyshyn, Z. W. What the mind's eye tells the mind's brain: A critique of mental imagery. Psychological Bulletin, 1973, 80(1), 1-24.

Reed, S. K., & Friedman, M. P. Perceptual vs. conceptual categorization. Memory and Cognition, 1973, 1(2), 157-163.

Shepard, R. N., & Cermak, G. W. Perceptual-cognitive explorations of a toroidal set of free-form stimuli. Cognitive Psychology, 1973, 4(3), 351-377.

Shoben, E. The verification of semantic relations in a same-different paradigm: An asymmetry in semantic memory. Journal of Verbal Learning and Verbal Behavior, 1976, 15(4), 365-379.

Shiffrin, R. M., & Geisler, W. S. Visual recognition in a theory of information processing. In R. L. Solso (Ed.), Contemporary issues in cognitive psychology: The Loyola Symposium. Washington, D. C.: V. H. Winston & Sons, 1973, 348.

Tada, H. Effects of visual memory and expectancy set on perception of ambiguous figures. Tohoku Psychologica Folia, 1973, 32(1-4), 64-71.

#### B. Short-Term Memory and Long-Term Memory

Bird, C. P. On the role of processing requirements in short-term memory. Journal of Experimental Psychology: Human Learning and Memory, 1976, 2(3), 234-243.

Gorfein, D. S., & Jacobson, D. E. Memory search in a Brown-Peterson short-term memory paradigm. Journal of Experimental Psychology, 1973, 99(1), 82-87.

Grasha, A. F., Schumsky, D. A., & Elliott, L. A. Relationships among short-term recall, intralist intrusions, subjective certainty ratings, and long-term memory. Journal of Experimental Psychology, 1973, 100(1), 83-94.

Hopkins, R. H. Presentation modality and proactive interference in short-term retention using a mixed-modality distractor task. Memory and Cognition, 1973, 1(4), 439-442.

Krumhans, C. L., Mohs, R. C., & Atkinson, R. C. Sequential search processes in long-term memory. Memory and Cognition, 1976, 4(4), 401-408.

Laughery, K. R. Computer simulation of short-term memory: A component-decay model. In G. H. Bower & J. T. Spence (Eds.), The psychology of learning and motivation: III. New York, NY: Academic Press, 1969, 398.

- Levy, R. M., & Pittner, J. W. Filling short-term memory. Acta Psychologica, 1976, 40(2), 139-151.
- Mizmo, S. Influence of average information per symbol and display time upon short-term memory for visual stimuli. Japanese Psychological Research, 1975, 17(2), 72-78.
- Mohs, R. C., Wescourt, K. T., & Atkinson, R. C. Effects of short-term memory contents on short- and long-term memory searches. Memory and Cognition, 1973, 1(4), 443-448.
- Mohs, R. C., & Wescourt, K. T. Processing multiple recognition probes in short- and long-term memory. Bulletin of the Psychonomic Society, 1975, 5(4), 319-322.
- Morin, R. E., Konick, D. S., & Hoving, K. L. Reduction of redundant stimulus information in short-term memory. Bulletin of the Psychonomic Society, 1973, 2(1), 29-30.
- Murdock, B. B. Short-term memory. In G. H. Bower (Ed.), The psychology of learning and motivation: V. New York, NY: Academic Press, 1972, 388.
- Sanders, H. The problem of measuring very long-term memory. International Journal of Mental Health, 1972, 1(3), 98-102.
- Santos, J. B. The primacy effect in short-term memory. Phillippine Journal of Psychology, 1971, 4(2), 110-116.
- Ternes, W., & Yuille, J. C. Additive interference processes in short-term memory. Journal of Experimental Psychology, 1973, 100(2), 432-434.
- Winnick, R. H., & Archer, E. J. The retrieval of positive and negative information from short-term memory storage for use in a concept-identification task. Bulletin of the Psychonomic Society, 1974, 3(4), 309-310.
- Zubrzychi, C. R., & Borkowski, J. G. Effects of anxiety on storage and retrieval processes in short-term memory. Psychological Reports, 1973, 33(1), 315-320.

#### C. Encoding Strategies

- Barnett, A. J. Differential encoding as a function of semantic polarity and form of visual stimulus presentation. Memory and Cognition, 1976, 4(2), 139-143.
- Bray, J. F., Robbins, D., & Witcher, W. B. Encoding variability theory and the spacing affect in associate learning. Memory and Cognition, 1976, 4(5), 548-552.
- Colegate, R. L. On the programming of selective encoding from multielement visual displays. Dissertation Abstracts International, 1975, 35(7-B), 3608.

- Davies, G. M., Milnee, J. E., & Glennie, B. On the significance of "double encoding" for the superior recall of pictures to names. Quarterly Journal of Experimental Psychology, 1973, 25(3), 413-423.
- Duncan, C. P. Storage and retrieval of low-frequency words. Memory and Cognition, 1973, 1(2), 129-132.
- Earhard, B., & Landry, D. Dual vs. single encoding in recognition memory as a function of lag, delay, and availability of semantic information. Memory and Cognition, 1976, 4(5), 609-615.
- Elias, C. S., & Perfetti, C. A. Encoding task and recognition memory: The importance of semantic encoding. Journal of Experimental Psychology, 1973, 99(2), 151-156.
- Ellis, H. C. Stimulus encoding processes in human learning and memory. In G. H. Bower (Ed.), The psychology of learning and motivation: Advances in research and theory: VII. New York, NY: Academic Press, 1973, 370.
- Estes, W. K. Phonemic coding and rehearsal in short-term memory for letter strings. Journal of Verbal Learning and Verbal Behavior, 1973, 12(4), 360-372.
- Grabe, M. Interference and encoding processes. Bulletin of the Psychonomic Society, 1973, 2(1), 13-15.
- Hall, J. W., Grossman, L. R., & Elwood, K. D. Differences in encoding for free recall vs. recognition. Memory and Cognition, 1976, 4(5), 507-513.
- Hall, R., & Swane, D. Memory in a bisensory selective attention task. Quarterly Journal of Experimental Psychology, 1973, 25(3), 309-315.
- Jacoby, L. L. Encoding processes, rehearsal, and recall requirements. Journal of Verbal Learning and Verbal Behavior, 1973, 12(3), 302-310.
- Johnson, N. F. Higher order encoding: Process or state? Memory and Cognition, 1973, 1(4), 491-494.
- Kosslyn, S. M., Holyoak, K. J., & Huffman, C. S. A processing approach to the dual coding hypothesis. Journal of Experimental Psychology: Human Learning and Memory, 1, 1976, 2(3), 223-233.
- Lyons, J. J. The encoding of ignored information. Memory and Cognition, 1974, 2(1-A), 161-168.
- Melton, A. W., & Martin, E. (Eds.). Coding processes in human memory. Washington, D. C.: V. H. Winston & Sons, 1972, 448.
- Postman, L., & Burns, S. Experimental analysis of coding processes. Memory and Cognition, 1973, 1(4), 503-507.

- Iversky, B. Encoding processes in recognition and recall. Cognitive Psychology, 1973, 5(3), 275-287.
- Winograd, E., & Geis, M. F. Semantic encoding and recognition memory: A test of encoding variability theory. Journal of Experimental Psychology, 1974, 102(6), 1061-1068.
- Wood, G., & Pennington, J. Encoding and retrieval from long-term storage. Journal of Experimental Psychology, 1973, 99(2), 243-254.

#### D. Recognition

- Anderson, J. R., & Bower, G. H. A propositional theory of recognition memory. Memory and Cognition, 1974, 2(3), 406-412.
- Brown, J. Recognition assessed by rating and ranking. British Journal of Psychology, 1974, 65(1), 13-22.
- Butler, B. The limits of selective attention in tachistoscopic recognition. Canadian Journal of Psychology, 1974, 28(2), 199-213.
- Carey, S. T., & Lockhart, R. S. Encoding differences in recognition and recall. Memory and Cognition, 1973, 1(3), 297-300.
- Federico, P. A., & Montague, W. E. Recognition memory for shapes as a function of encoding strategy (NPRDC Tech. Rep. 75-3). San Diego, CA: Navy Personnel Research and Development Center, 1974.
- Forrin, B., & Cunningham, K. Recognition time and serial position of probed item in short-term memory. Journal of Experimental Psychology, 1973, 99(2), 272-279.
- Gardner, R. M., Macfee, M., & Krinsky, R. A comparison of binary and rating techniques in the signal detection analysis of recognition memory. Acta Psychologica, 1975, 39(1), 13-19.
- Gravetter, F. J. Stimulus uncertainty and reaction time for identification and recognition. Perceptual and Motor Skills, 1976, 42(3, Pt. 2), 1151-1158.
- Herrmann, D. J., & McLaughlin, J. P. Effects of experimental and preexperimental organization on recognition: Evidence for two storage systems in long-term memory. Journal of Experimental Psychology, 1973, 99(2), 174-179.
- Juola, J. F. Repetition and laterality effects on recognition memory for words and pictures. Memory and Cognition, 1973, 1(2), 183-192.
- Juola, J. F., Taylor, G. A., & Young, M. E. Stimulus encoding and decision processes in recognition memory. Journal of Experimental Psychology, 1974, 102(6), 1108-1115.

- Kirsner, K. An analysis of the visual component in recognition memory for verbal stimuli. Memory and Cognition, 1973, 1(4), 449-453.
- Marcel, A. J., & Steel, R. G. Semantic cueing in recognition and recall. Quarterly Journal of Experimental Psychology, 1973, 25(3), 368-377.
- Marken, R. S., & Sandsky, A. J. Stimulus probability and sequential effect in recognition memory. Bulletin of the Psychonomic Society, 1974, 4(1), 49-51.
- Morris, P. E., & Reid, R. L. Recognition and recall: Latency and recurrence of images. British Journal of Psychology, 1973, 64(2), 161-167.
- Raeburn, V. P. Priorities in item recognition. Memory and Cognition, 1974, 2(4), 663-669.
- Ratcliff, R., & Murdock, B. B. Retrieval process in recognition memory. Psychological Review, 1976, 83(3), 190-214.
- Reed, A. V. Speed-accuracy trade-off in recognition memory. Science, 1973, 181(4099), 574-576.
- Schwartz, R. M., & Humphreys, M. S. Recognition and recall as a function of instructional manipulations of organization. Journal of Experimental Psychology, 1974, 102(3), 517-519.
- Tversky, B. Eye fixations in prediction of recognition and recall. Memory and Cognition, 1974, 2(2), 275-278.
- Weisstein, N. Beyond the yellow-Volkswagen detector and the grandmother cell: A general strategy for the exploration of operations in human pattern recognition. In R. L. Solso (Ed.), Contemporary issues in cognitive psychology: The Loyola Symposium. Washington, D. C.: V. H. Winston & Sons, 1973, 348.

#### E. Recall

- Anderson, J. R. FRAN: A simulation model of free recall. In G. H. Bower (Ed.), The psychology of learning and motivation: V. New York, NY: Academic Press, 1972, 388.
- Bennett, S., & Davies, P. Constancy of mnemonic capacity as a function of trials in free-recall learning. British Journal of Psychology, 1973, 64(1), 25-33.
- Burns, V. D. Presentation rate and intralist repetition effects in immediate probe recall. Journal of Experimental Psychology, 1974, 102(5), 813-817.
- Glanzer, M. Storage mechanisms in recall. In G. H. Bower (Ed.), The psychology of learning and motivation: V. New York, NY: Academic Press, 1972, 388.

- Johnson, N. F. The role of chunking and organization in the process of recall. In G. H. Bower (Ed.), The psychology of learning and motivation: IV. New York, NY: Academic Press, 1970, 339.
- Jones, M. R. Higher order organization in serial recall of digits. Journal of Experimental Psychology, 1973, 99(1), 106-119.
- Lewis, M. Q. Cue effectiveness in cued recall. Journal of Experimental Psychology, 1974, 102(4), 737-739.
- Matthews, W. A. Association and categorization effects on free recall. Acta Psychologica, 1973, 37(1), 65-77.
- Mazuryk, G. F., & Lockhart, R. S. Negative recency and levels of processing in free recall. Canadian Journal of Psychology, 1974, 28(1), 114-123.
- McAllister, E. W. Effects of type of recall test and spaced presentations of stimulus terms, response terms, and stimulus-response terms on retention in paired-associate learning. Psychological Reports, 1973, 33(1), 307-311.
- Schmitt, J. C., & Forrester, W. E. Effects of stimulus concreteness-imagery and arousal on immediate and delayed recall. Bulletin of the Psychonomic Society, 1973, 2(1), 25-26.
- Tzeng, O. J. Positive recency effect in a delayed free recall. Journal of Verbal Learning and Verbal Behavior, 1973, 12(4), 436-439.
- Wasserman, H. M., & Tedford, W. H. Recall of temporally compressed auditory and visual information. Psychological Reports, 1973, 32(2), 499-502.
- Watkins, M. J., & Watkins, O. C. The postcategorical status of the modality effect in serial recall. Journal of Experimental Psychology, 1973, 99(2), 226-230.

### III. Learning

#### A. Human Learning (General)

- Dimond, S., & Beaumont, G. Hemisphere function and paired-associate learning. British Journal of Psychology, 1974, 65(2), 275-278.
- Ebenholtz, S. M. Serial learning and dimensional organization. In G. H. Bower (Ed.), The psychology of learning and motivation: V. New York, NY: Academic Press, 1972, 388.
- Hoffman, P. J. Partial differential feedback: An on-line training configuration for the optimization of multidimensional cue learning. Behavior Research Methods and Instrumentation, 1973, 5(2), 161-164.



- LaBerge, D. Attention and measurement of perceptual learning. Memory and Cognition, 1973, 1(3), 268-276.
- Martin, E. Serial learning: A multilevel access analysis. Memory and Cognition, 1974, 2(2), 322-328.
- Mondani, M. S., & Battig, W. F. Imaginal and verbal mnemonics as related to paired-associate learning and directionality of associations. Journal of Verbal Learning and Verbal Behavior, 1973, 12(4), 401-408.
- Newman, S. E., & Jennette, A. D. The effects of set size on learning an item in the set. American Journal of Psychology, 1975, 88(1), 117-124.
- Restle, F. Serial pattern learning: Higher order transitions. Journal of Experimental Psychology, 1973, 99(1), 61-69.
- Rychlak, J. F., Galster, J., & McFarland, K. K. The role of affective assessment in associative learning: From designs and CVC trigrams to faces and names. Journal of Experimental Research in Personality, 1972, 6(2-3), 186-194.
- Sen, A., & Ganapathi, C. The effect of knowledge of results on a serial learning task. Indian Journal of Experimental Psychology, 1973, 7(2), 73-79.
- Slovic, P. Hypothesis testing in the learning of positive and negative linear functions. Organizational Behavior and Human Performance, 1974, 11(3), 368-376.

#### B. Models

- Bourne, L. E. An inference model for conceptual rule learning. In R. L. Solso (Ed.), Theories in cognitive psychology, The Loyola Symposium. Potomac, MD: Lawrence Erlbaum, 1974, 386.
- Danureau, D. F., Actkinson, T. R., Long, G. L., & McDonald, B. Learning strategies: A review and synthesis of the current literature (U.S. AFHRL Tech. Rep. 74-70). Brooks Air Force Base, TX: United States Air Force Human Resources Laboratory, 1974, 89.
- Nahinsky, I. D., Slaymaker, F. L., Aamiry, A., & O'Brien, C. J. The concreteness of attributes in concept learning strategies. Memory and Cognition, 1973, 1(3), 307-318.
- Uhr, L. Pattern recognition, learning, and thought: Computer-programmed models of higher mental processes. Englewood Cliffs, NJ: Prentice-Hall, 1973, 506.

#### IV. Problem Solving

- Arnberg, P. W. Observing and verbal behavior in simple problem solving after complex pretraining: Case studies. University of Stockholm, Reports from the Psychological Laboratories, 1972, 351, 19.
- Bejat, M. The role of the image in problem-solving. Revue Roumaine des Sciences Sociales Serie de Psychologic, 1972, 16(2), 169-180.
- Bossewitch, K. The effects of practice and expectation upon productivity in problem solving. Graduate Research in Education and Related Disciplines, 1974, 7(2), 5-31.
- Bouchard, T. J., Drauden, G., & Barsaloux, J. A comparison of individual, subgroup, and total group methods of problem solving. Journal of Applied Psychology, 1974, 59(2), 226-227.
- Bracewell, R. J., & Hidi, S. E. The solution of an inferential problem as a function of stimulus materials. Quarterly Journal of Experimental Psychology, 1974, 26(3), 480-488.
- Cartwright, R. D. Problem solving: Waking and dreaming. Journal of Abnormal Psychology, 1974, 83(4), 451-455.
- Cohen, R. J., & Houston, D. R. Fear of failure and rigidity in problem solving. Perceptual and Motor Skills, 1975, 40(3), 930.
- Cornelius, W. G. The identification of critical decision variables by groups and individuals in a problem solving situation. Dissertation Abstracts International, 1973, 33(11-B), 5486.
- Cox, W. F. Problem solving as influenced by stimulus abstractness - concreteness. Psychology, 1976, 13(1), 37-44.
- Dodd, D. H., & Bourne, L. E. Thinking and problem solving. In B. B. Wolman (Ed.), Handbook of general psychology. Englewood Cliffs, NJ: Prentice Hall, 1006.
- Fischhoff, B. Temporal setting and judgment under uncertainty. Oregon Research Institute, Research Bulletin, 1974, 14(14), 27.
- Gavurin, E. L., & Murgatroyd, D. Personality correlations of anagram problem solving. Journal of Psychology, 1974, 88(1), 97-101.
- Golding, E., Reuch, S. S., & Wason, P. C. Inter-hemispheric differences in problem solving. Perception, 1974, 3(2), 231-235.
- Greeno, J. G. The structure of memory and the process of solving problems. In R. L. Solso (Ed.), Contemporary issues in cognitive psychology: The Loyola Symposium. Washington, D. C.: V. H. Winston & Sons, 1973, 348.

- Harris, M. B., & Fisher, J. L. Modeling and flexibility in problem-solving. Psychological Reports, 1973, 33(1), 19-23.
- Kearley, G. P. Problem solving set and functional fixedness: A contextual dependency hypothesis. Canadian Psychological Review, 1975, 16(4), 261-268.
- Klein, G. A., & Weitzenfeld, J. General description of human problem solving (U.S. AFHRL Tech. Rep. 76-44). Brooks Air Force Base, TX: United States Air Force Human Resources Laboratory, 1976, 15.
- Kozielecki, J. A model for diagnostic problem solving. Acta Psychologica, 1972, 36(5), 370-380.
- Liu, I. Sequential hypothesis-testing behavior. American Journal of Psychology, 1974, 87(4), 593-607.
- Matthews, P. G., & Atkinson, R. C. Verification of algebra step problems: A chronometric study of human problem solving. Journal of Mathematical Psychology, 1976, 13(2), 214-240.
- Mayer, R. E. Integration of information during problem solving due to a meaningful context of learning. Memory and Cognition, 1976, 4(5), 603-608.
- Mayer, R. E., & Greeno, J. G. Effects of meaningfulness and organization on problem solving and computability judgments. Memory and Cognition, 1975, 3(4), 356-362.
- McKee, J. D. The effect of problem difficulty on hypothesis testing and an extension of Levine's theory. Bulletin of the Psychonomic Society, 1974, 4(3), 188-190.
- Mendelsohn, G. A., & O'Brien, A. T. The solution of anagrams: A reexamination of the effects of transition letter probabilities, letter moves, and word frequency on anagram difficulty. Memory and Cognition, 1974, 2(3), 566-574.
- Mott, T. H., Jr., & Ross, B. M. A logical description of the deduction instances from concepts: Interim report (CRTL-TR-3). Washington, D. C.: Catholic University of America, Center for Research in Thinking and Language, 1975.
- Narwrocki, L. H. Alpha-numeric versus graphic displays in a problem-solving task (U.S. Army BESRL Tech. Research Note 227). Arlington, VA: Behavior and Systems Research Laboratory, 1972, 33.
- Newell, A., & Simon, H. A. Human problem solving. Englewood Cliffs, NJ: Prentice-Hall, 1972, 920.
- Nosal, C. S. Dynamics of problem solving and cognitive abilities. Polish Psychological Bulletin, 1974, 5(1), 11-15.
- Nystedt, L. Consensus among judges as a function of amount of information. Educational and Psychological Measurement, 1974, 34(1), 91-101.

- Ortendahl, M. A comparison between scales in an information integration task. Goteborg Psychological Report, 1975, 5(1), 22.
- Peterson, C., & Rubel, C. Associability and anagram solution. Bulletin of the Psychonomic Society, 1974, 4(2-A), 83-85.
- Polich, J. M., & Schwartz, S. H. The effect of problem size on representation in deductive problem solving. Memory and Cognition, 1974, 2(4), 683-686.
- Quinton, G., & Fellows, B. J. "Perceptual" strategies in the solving of three-term series problems. British Journal of Psychology, 1975, 66(1), 69-78.
- Ross, B. M., Locker, R., & De Lisi, R. Deductive problem solving with limited information (CTRL-TR-1). Washington, D. C.: Catholic University of America, Center for Research in Thinking and Language, 1974, 36.
- Ross, B. M., & Gurney, R. The deduction of concept instances with and without rules (CTRL-TR-2). Washington, D. C.: Catholic University of America, Center for Research in Thinking and Language, 1975.
- Scandura, J. M. Role of higher order rules in problem solving. Journal of Experimental Psychology, 1974, 102(6), 984-991.
- Schwartz, S. M., & Fattaleh, D. L. Representation in deductive problem-solving: The matrix. Journal of Experimental Psychology, 1972, 95(2), 343-348.
- Simon, H. A. The functional equivalence of problem solving skills. Cognitive Psychology, 1975, 7(2), 268-288.
- Simon, H. A., & Chase, W. G. Skill in chess. American Scientist, 1973, 61(4), 394-403.
- Simon, H. A., & Lia, G. Problem solving and rule induction: A unified view. In L. W. Gregg (Ed.), Knowledge and cognition. Potomac, MD: Lawrence Erlbaum, 1974, 321.
- Simon, H. A., & Newell, A. Thinking processes. In D. H. Krantz, R. C. Atkinson, R. D. Luce, & P. Suppes (Eds.), Contemporary developments in mathematical psychology: I. Learning, memory, and thinking. San Francisco, CA: W. H. Freeman, 1974, 299.
- Stinessen, L. Effect of different training on solution of Katona's match-stick problems. Scandinavian Journal of Psychology, 1973, 14(2), 106-110.
- Stinessen, L. Explicit and inexplicit guidance in problem solving and ability to state principles. Psychological Reports, 1974, 34(2), 515-518.
- Tumstall, K. W. Computer-assisted group problem-solving. Dissertation Abstracts International, 1972, 32(9-A), 5051.
- Wood, D., & Shotter, J. A preliminary study of distinctive features in problem solving. Quarterly Journal of Experimental Psychology, 1973, 25(4), 504-510.
- Wood, D., Shotter, J., & Godden, D. An investigation of the relationships between problem solving strategies, representation, and memory. Quarterly Journal of Experimental Psychology, 1974, 26(2), 252-257.

V. Decision Making

A. General

- Armstrong, J. S., Denniston, W. B., & Gordon, M. M. The use of the decomposition principle in making judgments. Organizational Behavior and Human Performance, 1975, 14(2), 257-263.
- Beach, B. H. Direct and indirect methods for measuring utility (Tech. Rep. N00014-67-0103-0011). Seattle, WA: University of Washington, 1972.
- Beach, L. R. Studies in the psychology of decisions: Final report (Contract N00014-67-A-0103-0011; final). Seattle, WA: Washington University, Department of Psychology, 1972.
- Beach, L. R., Heinrich, B. A., & Barclay, S. Equivalence intervals and decision criteria (Tech. Rep. W071-1-16). Seattle, WA: University of Washington, Department of Psychology, 1971, 24.
- Birnbaum, M. H. Intuitive numerical prediction. American Journal of Psychology, 1976, in press.
- Brehmer, B., & Qvarnstrom, G. Feedforward, feedback, and subjective weights in multiple-cue judgments. Umea Psychological Reports, 1973, 76, 11.
- Brightman, H. J., & Urban, T. The influence of the dogmatic personality upon information processing: A comparison with Bayesian information processor. Organizational Behavior and Human Performance, 1974, 11, 266-276.
- Brown, A. S. Examination of hypothesis-sampling theory. Psychological Bulletin, 1974, 81(11), 773-790.
- Brown, R. V., Hoblitzell, C. M., Peterson, C. R., & Ulvila, J. W. Decision analysis as an element in an operational decision aiding system: Final technical report 1 (Contract N00014-74-C-0263; Final Rep. 1). McLean, VA: Decisions and Designs, Inc., 1974.
- Brown, R. V., Peterson, C. R., Hoblitzell, C. M., & Ulvila, J. W. Decision analysis as an element in an operational decision aiding system (Phase II) (Contract N00014-74-C-0263; TR 75-13). McLean, VA: Decisions and Designs, Inc., 1975.
- Brown, R. V., & Ulvila, J. W. Selecting analytic approaches for decision situations (TR 76-10). McLean, VA: Decisions and Designs, Inc., 1976.
- Burros, R. H. Complementary properties of binary relations. Theory and Decisions, 1975, 6(2), 177-183.
- Cassel, R. N. The psychology of decision making. North Quincy, MA: Christopher, 1973, 322.

- Chen, K., & Bhavnani, K. H. An investigation of two-person competitive bidding strategies. IEEE Transactions on Systems, Man, and Cybernetics, 1974, 4(1), 117-121.
- Cochrane, J. L. (Ed.). Multiple criteria decision making. Columbia, SC: University of South Carolina, 1973, 816.
- Coombs, C. H. Portfolia theory and the measurement of risk. In M. F. Kaplan & S. Schwartz (Ed.), Human judgment and decision processes. New York, NY: Academic Press, 1975, 325.
- Craig, A. Signal recognition and the probability-matching decision rule. Perception and Psychophysics, 1976, 20(3), 157-162.
- Davenport, W. G., & Middleton, M. A. Expectation theories of decision making for duplex gambles. Acta Psychologica, 1973, 37(3), 155-172.
- Donnell, M. L., & Dee Charme, W. M. The effect of Bayesian feedback on learning in an odds estimation task. Organizational Behavior and Human Performance, 1975, 14, 305-313.
- Duncan, R. B. The implementation of different decision making structures in adapting to environmental uncertainty: An expansion of contingency theories of organization. Proceedings of the Academy of Management, 1971, 39-37.
- Ebert, R. J. Human control of a two variable decision system. Organizational Behavior and Human Performance, 1972, 7, 237-264.
- Edgell, S. E. Configural information processing in decision making. Dissertation Abstracts International, 1975, 35(7-B), 3609.
- Edwards, W. Research on the technology of inference and decision: Final report (Rep. 001577-F). Los Angeles, CA: University of Southern California, Social Science Research Institute, 1975.
- Edwards, W. How to use multi-attribute utility measurement for social decision making (TR 001597-1-T). Los Angeles, CA: University of Southern California, Social Science Research Institute, 1976.
- Edwards, W. Research on the technology of inference and decisions. Catalog of Selected Documents in Psychology, 1976, 6, 32.
- Egan, J. P. Signal detection theory and ROC analysis. New York, NY: Academic Press, 1975.
- Einhorn, H. J., & Hogarth, R. M. Unit weighting schemes for decision making. Organizational Behavior and Human Performance, 1975, 13(2), 171-192.
- Einhorn, H. J., & Koelb, C. Psychometric study of literary critical judgment. Graduate school of business work paper. Chicago, IL: University of Chicago Press, 1976.

- Evaluation and analysis to support decision making; exposure draft (OPA-76-9). Washington, D. C.: General Accounting Office, 1975.
- Farr, J. L., & York, C. M. Amount of information and primacy-recency effects in recruitment decisions. Personnel Psychology, 1975, 28(2), 233-238.
- Fischer, G. W. Four methods for assessing multi-attribute utilities: An experimental validation (EPL Tech. Rep. 037230-6-T). Ann Arbor, MI: University of Michigan, English Psychological Laboratory, 1972.
- Fischer, G. W. Multi-dimensional value assessment for decision making (Contract N00014-67-A-0181-0034; Rep. 037230-2-T). Ann Arbor, MI: University of Michigan, Department of Psychology, 1972.
- Fischhoff, B. Temporal setting and judgment under uncertainty (Contract N00014-73-C-0438; Bulletin Vol. 14(14)). Eugene, OR: Oregon Research Institute, 1975.
- Fishburn, P. C. Minimal preferences on lotteries. Journal of Mathematical Psychology, 1972, 9, 294-305.
- Fishburn, P. C. A theory of subjective expected utility with vague preferences. Theory and Decision, 1975, 6(3), 287-310.
- Fjellman, S. M. Natural and unnatural decision-making: A critique of decision theory. Ethos, 1976, 4(1), 73-94.
- Fryback, D. G., & Edwards, W. Choices among bets by Las Vegas gamblers: Absolute and contextual effects. Journal of Experimental Psychology, 1973, 98(2), 271-278.
- Galanter, E. Utility scales of monetary and nonmonetary events. Catalog of Selected Documents in Psychology, 1975, 5, 273.
- Gardiner, P. C., & Edwards, W. Public values: Multiattribute-utility measurement for social decision making. In M. F. Kaplan & S. Schwartz (Eds.), Human judgment and decision processes. New York, NY: Academic Press, 1975, 325.
- Gerritsen, R. The application of artificial intelligence to decision aiding (Rep. 75-10-03). Presented at the Workshop on Applications of Interactive Cybernetic Systems. Philadelphia, PA: Wharton School, Decision Sciences Department, 1975.
- Gettys, C. F., Moy, M. C., & O'Bar, M. W. Significance of risk in Navy tactical decision making: An empirical investigation (NPRDC Tech. Rep. 77-8). San Diego, CA: Navy Personnel Research and Development Center, 1976.
- Giauque, W. C. Decision analysis and its application to the naval education and training command (TAEG Rep. 27). Orlando, FL: Training Analysis and Evaluation Group, 1975.

- Goodman, B. C. Direct estimation procedures for eliciting judgments about uncertain events (Contract N00014-67-A-0181-0049; Rep. 011313-5-T). Ann Arbor, MI: University of Michigan, Engineering Psychology Laboratory, 1973.
- Goodman, B. C. Direct estimation procedures for eliciting judgments about uncertain events. Catalog of Selected Documents in Psychology, 1974, 4, 6.
- Hammer, W. C., & Carter, P. L. A comparison of alternative production management coefficient decision rules. Decision Science, 1975, 6, 324-356.
- Halpern, D. F., & Irwin, F. W. Selection of hypotheses as affected by their preference values. Journal of Experimental Psychology, 1973, 10(1), 105-108.
- Harvey, J. H., & Johnston, S. Determinants of the perception of choice. Journal of Experimental Social Psychology, 1973, 9, 164-179.
- Hogarth, R. M. Decision time as a function of task complexity. In D. Wendt & C. A. J. Vlek (Eds.), Utility probability and human decision making. Dordrecht, The Netherlands: Reidel, 1975, 418.
- Holmstrom, V. L., & Beach, L. R. Subjective expected utility and career preferences. Organizational Behavior and Human Performance, 1973, 10, 201-207.
- Hoyt, M. F., & Janis, I. L. Increasing adherence to a stressful decision via a motivational balance-sheet procedure: A field experiment. Journal of Personality and Social Psychology, 1975, 31(5), 833-839.
- Humphreys, P. Applications of multiattribute utility theory. In H. Jungermann & G. de Zeeuw, (Eds.), Proceedings of the Fifth Research Conference on Subjective Probability, Utility, and Decision Making. 1976, in press.
- Humphreys, P., & Humphreys, A. An investigation of subjective preference orderings for multi-attributed alternatives. In D. Wendt & C. A. J. Vlek (Eds.), Utility, probability, and human decision making. Dordrecht, The Netherlands: Reidel, 1975, 418.
- Hussy, W. The a priori estimation of subjective uncertainty in human sequential predictive behavior. Canadian Psychological Review, 1975, 16(3), 198-204.
- Johnson, T. H. Decision environment: A proposed physical installation; interim report (76-09-10). Philadelphia, PA: Wharton School, Decision Science Department, 1976.
- Kahan, J. P., & Rapoport, A. Decisions of timing in bipolarized conflict situations with complete information. Acta Psychologica, 1974, 38(3), 183-203.



- Kalenty, C. R., & Lockwood, W. L. Experimental evaluation of an options matrix as an operational decision aid (CSS 76-3). Bethpage, NY: Grumman Aerospace Corporation, 1976.
- Kaplan, M. F., & Schwartz, S. (Ed.). Human judgment and decision processes. New York, NY: Academic Press, 1975.
- Keeney, R. L. Multiplicative utility functions. Operations Research, 1974, 22, 22-34.
- Keeney, R. L., & Raiffa, H. Decisions and multiple objectives: Preferences and value tradeoffs. New York, NY: Wiley, 1976, 569.
- Kelly, C. W. III, & Peterson, C. R. Decision theory research (DDI Tech. Rep. DT/TR 75-5). McLean, VA: Decisions and Designs, Inc., 1975.
- Kleiter, G. D. Dynamic decision behavior: Comments on Rapoport's paper. In D. Wendt & C. A. J. Vlek (Eds), Utility, probability, and human decision making. Dordrecht, The Netherlands: Reidel, 1975, 418.
- Kleiter, G. D., Gachowetz, H., & Huber, D. Bibliography: Decision making. Salzburg, Austria: University of Salzburg, Psychology Institute, 1976.
- Krumm, R. L., Robins, J. E., & Ryan, T. G. Research on tactical military decision making: III. Predictor variables and criterion measures (ARI-TRM-229). Arlington, VA: Army Research Institute for the Behavioral and Social Sciences, Bunker-Ramo Corporation, 1973.
- Lafferty, T., & Higbee, K. L. Realism and risk taking. Psychological Reports, 1974, 34(3, Pt. 1), 827-829.
- Laios, L. The effects of uncertainty on human performance in a multi-stage decision task. International Journal of Man-Machine Studies, 1976, 8(4), 465-476.
- Landis, D., & Slivka, R. M. Displays for decision making. International Journal of Production Research, 1972, 10(3), 215-229.
- Lee, W. Decision theory and human behavior. New York, NY: John Wiley & Sons, 1971, 352.
- Levin, I. P. Averaging processes and intuitive statistical judgments. Organizational Behavior and Human Performance, 1974, 12, 83-91.
- Levin, I. P. Information integration in numerical judgments and decision processes. Journal of Experimental Psychology: General, 1975, 104(1), 39-53.
- Levine, J. M., Samet, M. G., & Brahlek, R. E. Information seeking with input pacing and multiple decision opportunities. Human Factors, 1974, 16(4), 384-394.

- Levit, R. A., Alden, D. G., Erickson, J. M., & Neaton, B. J. Development and application of a decision aid for tactical control of battlefield operations (ARI DAHC 19-73-C-0069, Vol. 2). Minneapolis, MN: Army Research Institute, Honeywell, 1974.
- Lewis, G. H., Morrison, S., Penz, A., & Wicinas, B. Nonroutine decision making (Contract N00014-67-A-0314-0015; TR 1). Pittsburg, PA: Carnegie-Mellon University, School of Urban and Public Affairs, 1974.
- Lichtenstein, S. C., Earle, T., & Slovic, P. Cue utilization in a numerical prediction task. Journal of Experimental Psychology: Human Perception and Performance, 1975, 104, 77-85.
- Lichtenstein, S., & Slovic, P. Response-induced reversals of preference in gambling: An extended replication in Las Vegas. Journal of Experimental Psychology, 1973, 101(1), 16-20.
- Long, G. M., & Shelnut, J. B. Decisional differences among individuals: A signal detection theory approach (NAMRL-1185). Pensacola, FL: Naval Aerospace Medical Research Laboratory, 1973.
- Lopez, L. Model based decision and judgments in stud poker. Journal of Experimental Psychology: General, 1976, in press.
- Lord, F. M. A numerical empirical Bayes procedure for finding an interval estimate (ETS Tech. Rep. RB-71-46). Princeton, NJ: Educational Testing Service, 1971, 18.
- Mac Crimmon, K. R. An overview of multiple objective decision making. In J. L. Cochrane & C. M. Zilney (Eds.), Multiple criteria decision making. Columbia, SC: University of South Carolina Press, 1973, 816.
- Mac Crimmon, K. R., & Larsson, S. Utility theory: Axioms versus "paradoxes." In M. Aluis & O. Hagen (Eds.), Rational decisions under uncertainty, special volume of theory and decision. 1976, in press.
- Marks, D. F., & Clarkson, J. K. An explanation of conservatism in the bookbag-and-pokerchips situation. Acta Psychologica, 1972, 36(2), 145-160.
- McDonnell, J. F. The humanelement in decision making. Personnel Journal, 1974, 53(3), 188-190.
- McTavish, J. E. Is behavior in a common dilemma game related to real world behavior? (Contract N00014-75-C-0093; Nov 75). Eugene, OR: Oregon Research Institute, 1975.
- Merkhofer, M. W. Flexibility and decision analysis (Rep. EES-DA-75-1). Palo Alto, CA: Stanford University, Department of Engineering-Economic System, 1975.
- Merkhofer, M. W. The value of information given decision flexibility (Rep. EES-DA-75-2). Palo Alto, CA: Stanford University, Department of Engineering-Economic Systems, 1975.

- Moskowitz, H., & Miller, J. G. Information and decision systems for production planning: An inter-disciplinary perspective (Paper 373). West Lafayette, IN: Purdue University, Institute for the Research in Behavior and Economic Management Science, 1972.
- Newman, J. R. Assessing the reliability and validity of multi-attribute utility procedure: An application of the theory of generalizability (Rep. 001597-2-T). Los Angeles, CA: University of Southern California, Social Science Research Institute, 1975.
- Newman, J. R. Differential weighting in multi-attribute utility measurement: When it shouldn't and when it does make a difference (SSRI 76-6). Los Angeles, CA: University of Southern California, Social Science Research Institute, 1976.
- Newman, J. R., Seaver, D., & Edwards, W. Unit versus differential weighting schemes for decision making: A method of study and some preliminary results (SSRI 76-5). Los Angeles, CA: University of Southern California, Social Science Research Institute, 1976.
- Nickerson, R. S., & Feehrer, C. E. Decision making and training: A review of theoretical and empirical studies of decision making and their implications for the training of decision makers (NAVTRAEQUIPCEN 73-C-0128-1). Cambridge, MA: Naval Training Equipment Center, Bolt, Beranek and Newman, Inc., 1975.
- Ortendahl, M. Expected time of the outcome of offers to gamble. Goteborg Psychological Reports, 1974, 4(23), 7.
- Payne, J. W. Alternative approaches to decision making under risk: Moments versus risk dimensions. Psychological Bulletin, 1973, 80(6), 439-453.
- Payne, J. W. Task complexity and contingent processing in decision making: An information search and protocol analysis. Organizational Behavior and Human Performance, 1976, 16(2), 366-387.
- Payne, J. W. Contingent information-processing in decision making under risk: The role of the basic risk dimensions. Dissertation Abstracts International, 1973, 34(2-B), 898.
- Payne, J. W. Relation of perceived risk to preferences among gambles. Journal of Experimental Psychology: Human Perception and Performance, 1975, 104(1), 86-94.
- Pesch, A. J., Hammell, T. J., & Ewalt, F. M. Tactical decision-making training system design (NAVTRAEQUIPCEN 73-C-0158-1). North Stonington, CN: Naval Training Equipment Center, Eclectech Associates, Inc., 1974.
- Peterson, C. R. Judgments of probability and utility for decision making: Final report (Tech. Rep. 037230-F). Ann Arbor, MI: Michigan University, Department of Psychology, 1972.
- Peterson, C. R. Introduction to special issue on hierarchical inference. Organizational Behavior and Human Performance, 1973, 10, 315-317.

- Philips, R. Probability preferences of gamblers and nongamblers. Psychological Reports, 1972, 31(2), 652-654.
- Pitz, G. F. Simultaneous information integration in decisions concerning normal populations. Organizational Behavior and Human Performance, 1972, 8(3), 325-339.
- Pitz, G. F. Memory and frequency estimation processes in a decision task. Memory and Cognition, 1976, 4(2), 132-138.
- Puscheck, H. C., & Green, J. H. Sequential decision making in a conflict environment. Human Factors, 1972, 14(6), 561-571.
- Ranyard, R. H. Elimination by aspects as a decision rule for risky choice. Acta Psychologica, 1976, 40(4), 299-310.
- Rapoport, A. Research paradigms for studying dynamic decision behavior. In D. Wendt & C. A. J. Vlek (Eds.), Utility, probability, and human decision making. Dordrecht, The Netherlands: Reidel, 1976, 418.
- Rapoport, A., & Wallsten, T. S. Individual decision behavior. Annual Review of Psychology, 1972, 23, 131-176.
- Rice, T. R. The economics of decision making (Rep. EES-DA-74-2). Palo Alto, CA: Stanford University, Department of Engineering-Economic Systems, 1974.
- Robins, J. E., Buffarde, L., & Ryan, R. G. Research on tactical military decision making: Application of a decision prediction concept in a SIMTOS environment (ARI-Technical paper 246). Arlington, VA: Army Research Institute for the Behavioral and Social Sciences, Bunker-Ramo Corporation, 1974, 53.
- Rocklyn, E. H. Evaluation of a pilot course in tactical decision making during defensive combat: Measuring TAO performance (U) (NPRDC Tech. Rep. 75-16). San Diego, CA: Navy Personnel Research and Development Center, 1974.
- Ronen, J. Effects of some probability displays on choices. Organizational Behavior and Human Performance, 1973, 9(1), 1-15.
- Ronen, J. Involvement in task and choice behavior. Organizational Behavior and Human Performance, 1974, 11(1), 28-43.
- Rowse, G. L., Gustafson, D. H., & Ludke, R. L. Comparison of roles for aggregating subjective likelihood ratios. Organizational Behavior and Human Performance, 1974, 12(2), 274-285.
- Schaninger, C. M., Barrett, G. V., & Alexander, R. A. National, organizational, and individual correlates of simulated decision-making (Tech. Rep. 65). Rochester, NY: Rochester University, Management Research Center, 1973.

- Schum, D. A., & Kelly, C. W. A problem in cascade inference: Determining the inferential impact of confirming and conflicting reports from several unreliable sources. Organizational Behavior and Human Performance, 1973, 10, 404-423.
- Schum, D. A. Concluding comments about the special issue on hierarchical inference. Organizational Behavior and Human Performance, 1973, 10, 427-431.
- Schwartz, S., & Witherspoon, K. D. Decision processing in memory: Factors influencing the storage and retrieval of linguistic and form identification. Bulletin of the Psychonomic Society, 1974, 4(2-B), 127-129.
- Selvidge, J. Rapid screening of decision options (Tech. Rep. 76-12). McLean, VA: Decisions and Designs, Inc., 1976.
- Shanteau, J. Component processes in risky decision making. Journal of Experimental Psychology, 1974, 103(4), 680-691.
- Shanteau, J. An information-integration analysis of risky decision making. In M. F. Kaplan & S. Schwartz (Eds.), Human judgment and decision processes. New York, NY: Academic Press, 1975, 325.
- Siegel, A. I., & Williams, A. R. AN/BQQ-5 sonar supervisor decision training. Wayne, PA: Applied Psychological Services, 1974, 137.
- Siegel, L. J., Sullivan, D. C., & Greene, J. R. Decision games applied to police decision making: An exploratory study of information usage. Journal of Criminal Justice, 1974, 2(2), 131-146.
- Sims, T. K., Harley, C., & Weiner, E. A. Risk in decision making across college students' major fields. Psychological Reports, 1974, 34(1), 145-146.
- Sjöberg, L. Uncertainty of comparative judgments and multidimensional structure. Multivariate Behavioral Research, 1975, 10(2), 207-218.
- Slovic, P., & Tversky, A. Who accepts Savage's axiom? Eugene, OR: Oregon Research Institute, 1974, 18.
- Slovic, P., Fischhoff, B., & Lichtenstein, S. Behavioral decision theory (Contract N00014-76-C00074; DDI-7). Eugene, OR: Oregon Research Institute, 1976.
- Snapper, K. J., Edwards, W., & Peterson, C. K. Information purchase strategies of gamblers and students. Journal of Experimental Psychology, 1972, 96(1), 211-213.
- Spetzler, C. S., & Stael von Holstein, C. A. S. Probability encoding in decision analysis. Management Science, 1975, 22, 240-358.

- Streufert, S. C. Relevance and load: Effects on simple and complex decision making (Contract N00014-67-A-0226-0030; Tech. Rep. 3). West Lafayette, IN: Purdue University, 1972.
- Streufert, S., & Streufert, S. C. Relevance and load effects on simple and complex decision making: Additional evidence (Contract N00014-67-A-0226-0030; Tech. Rep. 6). West Lafayette, IN: Purdue University, 1973.
- Sung, Y. H. Attitude similarity and favorableness of information in Bayesian decision making (Contract N00014-67-A-0226; Tech. Rep. 12). West Lafayette, IN: Purdue University, 1973.
- Sung, Y. H. Effects of attitude similarity and favorableness of information on Bayesian decision making in a realistic task. Journal of Applied Psychology, 1975, 60(5), 616-620.
- Swinth, R. L., Gaumnitz, J. E., & Rodriguez, C. Decision making processes: Using discrimination nets for security selection. Decision Science, 1975, 6, 439-448.
- Touhey, J. C. Decision processes, expectations, and adoption of strategies in zero-sum games. Human Relations, 1974, 27(8), 813-824.
- Tversky, A., & Kahneman, D. Judgment under uncertainty: Heuristics and biases. Science, 1974, 185, 1124-1131.
- Tyszka, T. Prediction of events and the SEU model. Polish Psychological Bulletin, 1973, 4(1), 5-12.
- Vlek, C. A. J., & Wagenaar, W. A. Judgment and decision under uncertainty. Leiden, The Netherlands: University of Leiden, 1975, 82.
- von Winterfeldt, D. An overview, integration, and evaluation of utility theory for decision analysis (SSRI Res. Rep. 001597-4-T). Los Angeles, CA: University of Southern California, Social Science Research Institute, 1975.
- von Winterfeldt, D., & Fischer, G. W. Multi-attribute utility theory: Models and assessment procedures (EPL Tech. Rep. 011313-7-T). Ann Arbor, MI: University of Michigan, Engineering Psychology Laboratory, 1973, 59.
- von Winterfeldt, D., & Edwards, W. Error in decision analysis: How to create the possibility of large losses by using dominated strategies (SSRI Res. Rep. 001597-1-T). Los Angeles, CA: University of Southern California, Social Science Research Institute, 1975.
- Vroom, V. H., & Yetton, P. W. Some descriptive studies of participation in decision making (Contract N00014-67-A-0314-0011; Tech. Rep. 2). Pittsburg, PA: Carnegie-Mellon University, 1972.

- Wainer, H., Zill, N., & Gruvaeus, G. Senatorial decision making: II. Predictions. Behavior Science, 1973, 18, 20-26.
- Watson, S. R., & Brown, R. V. Case studies in the value of decision analysis (DDI Tech. Rep. 75-10). McLean, VA: Decisions and Designs, Inc., 1975.
- Watson, S. R., & Brown, R. V. Issues in the value of decision analyses (DDI Tech. Rep. 75-9). McLean, VA: Decisions and Designs, Inc., 1975.
- Wendt, D., & Vlek, C. (Eds.). Utility, probability, and human decision making: Selected proceedings of an interdisciplinary research conference. Hingham, MA: Reidel, 1975, 418.
- Witte, E. H., & Arez, A. J. The cognitive structure of choice dilemma decisions. European Journal of Social Psychology, 1974, 4(3), 313-328.
- Wiggins, N. Individual differences in human judgments: A multivariate approach. In L. Rappoport & D. A. Summers (Eds.), Human judgment and social interaction. New York, NY: Holt, Rinehart, & Winston, 1974, 110-142.
- Wolf, G. Effects of comparative information and decision complexity in a one-person game. Simulation and Games, 1973, 4(2), 145-157.
- Wright, P. The harassed decision maker: Time pressures, distractions, and the use of evidence. Journal of Applied Psychology, 1974, 59(5), 555-561.
- Wyer, R. S., Jr. Category ratings as subjective EV: Implications for attitude formation and change. Psychological Review, 1973, 80, 446-467.
- Wylie, C. D., & Mackie, R. R. Attack decision making in surface ship ASW: Historical, theoretical, and experimental data (Contract N00014-71-C-0257; Tech. Rep. 1721-2). Goleta, CA: Human Factors Research Inc., 1974.
- Yates, J. F., & Zukowski, L. G. Characterization of ambiguity in decision making. Behavioral Science, 1976, 21(1), 19-25.
- Youssef, Z. I. The effects of cascaded inference on the subjective value of information. Organizational Behavior and Human Performance, 1973, 10, 359-363.
- Youssef, Z. I., & Peterson, C. R. Intuitive cascaded inferences. Organizational Behavior and Human Performance, 1973, 10, 349-358.
- Zadeh, L. A. Outline of a new approach to the analysis of complex systems and decision processes. IEEE Transactions on Systems, Man, and Cybernetics, 1973, 3(1), 28-44.
- Zagorski, M. A. Risky decisions: Attention effects or masking effects? Acta Psychologica, 1975, 39, 487-494.

B. Problem Recognition

- Castellan, N. J., Jr. The analysis of multiple criteria in multiple-cue judgment tasks. Organizational Behavior and Human Performance, 1972, 8, 242-261.
- Ceausu, V. The decision in the flight activity. Revue Roumaine des Sciences Sociales-Serie de Psychologie, 1971, 15(2), 165-180.
- Cohen, J., Chesnick, E. I., & Haran, D. A confirmation of the inertial -  $\psi$  effect in sequential choice and decision. British Journal of Psychology, 1972, 63, 41-46.
- Corbin, R. M., Olson, C. L., & Abbondanza, M. Context effects in optimal stopping decisions. Organizational Behavior and Human Performance, 1975, 14, 207-216.
- Cottrell, N. B., Rajecki, D. W., & Smith, D. U. The energizing effects of postdecision dissonance upon performance of an irrelevant task. Journal of Social Psychology, 1974, 93(1), 81-92.
- Decision making in risk situations: A report bibliography (Search Control 095 007). Alexandria, VA: Defense Documentation Center, 1973.
- Domas, P. A., Goodman, B. C., & Peterson, C. K. Baye's theorem: Response scales and feedback (EPL Tech. Rep. 037230-5-T). Ann Arbor, MI: University of Michigan, English Psychological Laboratory, 1972.
- Einhorn, H. J. Cue definition and residual judgment. Organizational Behavior and Human Performance, 1974, 12, 30-49.
- Laios, L. The effects of uncertainty on human performance in a multi-stage decision task. International Journal of Man-Machine Studies, 1976, 8(4), 465-476.
- Navon, D. A correlational approach to studying Bayesian inference in experimental settings. Organizational Behavior and Human Performance, 1975, 13(3), 318-329.
- Newman, J. R. Assessing the reliability and validity of multi-attribute utility procedures: An application of the theory of generalizability (SSRI Res. Rep. 75-7). Los Angeles, CA: University of Southern California, Social Science Research Institute, 1975.
- Payne, J. W. Task complexity and contingent processing in decision making: An information search and protocol analysis. Organizational Behavior and Human Performance, 1976, 16(2), 366-387.
- Raouf, A., & Sethi, H. S. Information reduction and its effects upon performance times in a combined manual and decision task. International Journal of Production Research, 1976, 14(1), 111-121.



- Rubin, J. Z., & DiMatteo, M. R. Factors affecting the magnitude of subjective utility parameters in a tacit bargaining game. Journal of Experimental Social Psychology, 1972, 8, 412-426.
- Schuster, J. R., Colletti, J. A., & Knowles, L. Jr. The relationship between perceptions concerning magnitudes of pay and the perceived utility of pay: Public and private organizations compared. Organizational Behavior and Human Performance, 1973, 9, 110-119.
- Smalley, N. S. Evaluating a rule against possible instances. British Journal of Psychology, 1974, 65(2), 293-304.
- Streufert, S. C. Effects of information relevance on decision making in complex environments. Memory and Cognition, 1973, 1(3), 224-228.
- von Winterfeldt, D., & Edwards, W. Evaluation of complex stimuli using multi-attribute utility procedures (EPL Tech. Rep. 011313-2-T). Ann Arbor, MI: University of Michigan, English Psychological Laboratory, 1973.
- Welford, A. T. The obtaining and processing of information: Some basic issues relating to analyzing inputs and making decisions. Research Quarterly, 1972, 43(3), 295-311.
- Wicklund, R. A., & Ickes, W. J. The effect of objective self-awareness on predecisional exposure to information. Journal of Experimental Social Psychology, 1972, 8(4), 378-387.
- Williges, R. C., & North, R. A. Knowledge of results on decision making performance in visual monitoring. Organizational Behavior and Human Performance, 1972, 8(1), 44-57.

#### C. Action Selection

- Bauer, J. Inference strategies in Bayesian tasks not requiring high scale-level responses. Umea Psychological Report, 1973, 61.
- Beach, B. H. Expert judgment about uncertainty: Bayesian decision making. Organizational Behavior and Human Performance, 1975, 14, 10-59.
- Beach, L. R., & Mitchell, T. R. A contingency model for the selection of decision strategies (Tech. Rep. 77-6). Seattle, WA: Washington University, Department of Psychology, 1976.
- Christensen-Szalanski, J. J. J., & Beach, L. R. A mechanism for decision strategy selection and some implications (Tech. Rep. 77-8). Seattle, WA: Washington University, Department of Psychology, 1977.

- Dudycha, A. L., Dumoff, M. G., & Dudycha, L. W. Choice behavior in dynamic environments. Organizational Behavior and Human Performance, 1973, 9(2), 328-338.
- Ference, H. P. Induced strategies in sequential decision-making. Human Relations, 1972, 25(5), 377-389.
- Kahneman, D., Tversky, A. Value theory: An analysis of choices under risk. Presented at Conference on Public Economics, Jerusalem, Israel, 1975.
- Kleiter, G. D. Estimating the planning horizon in a multistage decision task. Psychological Research, 1975, 38(1), 37-64.
- Kron, A., & Milovanovic, V. Preference and choice. Theory and Decision, 1975, 6(2), 185-186.
- Link, S. W. The relative judgment theory of two choice response time. Journal of Mathematical Psychology, 1975, 12(1), 114-135.
- O'Connor, M. F., & Edwards, W. On using scenarios in the evaluation of complex alternatives (Tech. Rep. 76-17). McLean, VA: Decisions and Designs, Inc., 1976.
- Silber, J. E. Effects of decision importance on ability to generate warranted subjective uncertainty. Journal of Personality and Social Psychology, 1974, 30(5), 688-694.
- Slovic, P. Consistency of choice between equally-valued alternatives. Oregon Research Institute, Research Bulletin, 1974, 14(11), 30.
- Slovic, P. Choice between equally valued alternatives. Journal of Experimental Psychology: Human Perception and Performance, 1975, 10(3), 280-287.
- Svenson, O., & Montgomery, H. On decision rules and information processing strategies for choices among multiattribute alternatives. Scandinavian Journal of Psychology, 1976, in press.
- Taylor, K. L., & Wilsted, W. D. Capturing judgment policies: A field study of performance appraisal. Academic Management Journal, 1974, 17, 440-449.
- Tversky, A. Choice by elimination. Journal of Mathematical Psychology, 1972, 9(4), 341-367.
- Tversky, A. Elimination by aspects: A theory of choice. Psychology Review, 1972, 79, 281-299.
- Wright, P. The use of phased, noncompensatory strategies in decisions between multiattribute products. Graduate School of Business Research Paper (Series 223). Palo Alto, CA: Stanford University, 1974.

#### D. Group Decision Making

- Castore, C. H. Intragroup concordance and the effectiveness of majority rule decisions (Contract N00014-67-A-0226; Tech. Rep. 1). West Lafayette, IN: Purdue University, 1972.
- Cummings, L. L., Huber, G. P., & Arendt, E. Effects of size and spatial arrangements on group decision making. Academy of Management Journal, 1974, 17(3), 460-475.
- Decision rule and intragroup goal concordance as determinants of individual reactions to and support of group decisions (Contract N00014-67-A-0226; Tech. Rep. 6). West Lafayette, IN: Purdue University, 1973.
- Ford, D. L. Predicting group decision strategies: The effect of rating-scale use bias on accuracy of prediction. Catalog of Selected Documents in Psychology, 1976 6, 3.
- Graham, W. K., & Dillon, P. C. Creative supergroups: Group performance as a function of individual performance on brainstorming tasks. Journal of Social Psychology, 1974, 93(1), 101-105.
- Krieger, W. G. Communication net versus role clarity factors in predicting task satisfaction among laterally divided command teams (Contract N00014-67-A-0226-0030; Tech. Rep. 4). West Lafayette, IN: Purdue University, 1972.
- Sander, S. I. Delphi: Characteristics and applications (NPRDC Tech. Note 76-2). San Diego, CA: Navy Personnel Research and Development Center, 1975.
- Seaver, D. A. Assessment of group preferences and group uncertainty for decision making (SSRI 76-4). Los Angeles, CA: University of Southern California, Social Science Research Institute, 1976.

#### E. Models and Simulations

- Barron, F. H., & McKenzie, K. D. A constrained optimization model of risky decisions. Journal of Mathematical Psychology, 1973, 10(1), 60-72.
- Berl, J., Lewis, G., & Morrison, R. S. Alternative models of choice in important and nonrepetitive situations. In J. S. Carral & J. W. Payne (Eds.), Cognition and Social Behavior. Hillsdale, NJ: Erlbaum, in press.
- Brewer, G. D. An analyst's view of the uses and abuses of modeling for decision making (P-5395). Santa Monica, CA: Rand Corporation, 1975.

- Brown, R. V. Modeling subsequent acts for decision analysis (DDI Tech. Rep. 75-1). McLean, VA: Decisions and Designs, Inc., 1975.
- Castellan, N. J. Comments on the "lens model" equation and the analysis of multiple-cue judgment tasks. Psychometrika, 1973, 38(1), 87-100.
- Corbin, R. M., & Marley, A. A. Random utility models with equality: An apparent but not actual generalization of random utility models. Journal of Mathematical Psychology, 1974, 11, 274-293.
- Dawes, R. M. Formal models of dilemmas in social decision making. Oregon Research Institute, Research Bulletin, 1974, 14(12).
- Dawes, R. M., & Corrigan, B. Linear models in decision making. Psychological Bulletin, 1974, 81(2), 95-106.
- Dawes, R. M., & Corrigan, B. Applications of linear models to problems of preference and prediction (Contract N00014-76-C-0014; DDI-5). Eugene, OR: Oregon Research Institute, 1976.
- Fischer, G. W. Experimental applications of multi-attribution models. In D. Wendt & C. A. J. Vlek (Eds.), Utility, probability, and human decision making. Dordrecht, The Netherlands: Reidel, 1975, 418.
- Fischer, G. W. Multidimensional utility models for risky and riskless choice. Organizational Behavior and Human Performance, 1976, 17, 127-146.
- Gettys, C. F. A model for which Dodson's algorithm is appropriate. Organizational Behavior and Human Performance, 1973, 10, 424-426.
- Harris, R. N. A model of human decision making: Preliminary research (WTR-73-5). San Diego, CA: Navy Personnel Research and Development Center, 1972.
- Howard, R. A., & Merkhofer, M. W. A preliminary characterization of a decision structuring process for the task force commander and his staff (Contract N00014-75-C-0623; TR 4030). Menlo Park, CA: Stanford Research Institute, 1975.
- Huber, G. P. Multi-attribute utility models: A review of field and field-like studies. Management Science, 1974, 20, 1393-1402.
- Kelly, C. W., & Barclay, S. A general Bayesian model for hierarchical inference. Organizational Behavior and Human Performance, 1973, 10, 388-403.
- McCann, J. M., Miller, J. G., & Moskowitz, H. Modeling and testing dynamic multivariate decision processes. Organizational Behavior and Human Performance, 1975, 14, 281-303.

- Melamed, L. Linear models in personnel decisions. Journal of Behavioral Science, 1973, 1(5), 347-354.
- Moskowitz, H. Regression models of behavior for managerial decision making, OMEGA. International Journal of Management Science, 1975, 2, 677-690.
- Rouse, W. B. A model of the human in a cognitive prediction task. IEEE Transactions on Systems, Man, and Cybernetics, 1973, 3(5), 473-477.
- Schultz, R. L. System simulation: The use of simulation for decision making. Behavioral Science, 1974, 19(5), 344-350.
- Sheridan, H. B., & Ferrel, W. R. Man-machine systems: Information, control, and decision models of human performance. Cambridge, MA: Massachusetts Institute of Technology Press, 1974, 452.
- Sheridan, J. E., Richards, M. D., & Slocum, J. W. Comparative analyses of expectancy and heuristic models of decision behavior. Journal of Applied Psychology, 1975, 60, 361-368.
- Tani, S. N. Modeling and decision analysis (Decision Analysis Progress Res. Rep. EES-DA-75-3). Palo Alto, CA: Stanford University, Engineering-Economic Systems, 1975.
- von Winterfeldt, D., & Edwards W. Flat maxima in linear optimization models (EPL Tech. Rep. 011313-4-T). Ann Arbor, MI: University of Michigan, Engineering Psychology Laboratory, 1973.
- Wendt, D. Some criticisms of the general models used in decision making experiments (EPL Tech. Rep. 011313-8-T). Ann Arbor, MI: University of Michigan, Engineering Psychology Laboratory, 1973, 39.
- Wise, J. A., & Mockovak, W. P. Descriptive modeling of subjective probabilities. Organizational Behavior and Human Performance, 1973, 9, 292-306.
- Wright, P. L. Use of consumer judgment models in promotion planning. Journal of Marketing, 1973, 37, 27-33.

#### F. Mathematical Issues and Models

- Barrager, S. M. Assessment of simple joint time/risk preference functions (Rep. EES-DA-75-6). Palo Alto, CA: Stanford University, Department of Engineering-Economic Systems, 1975.
- Bettman, J. R. Toward a statistics for consumer decision net models. Journal of Consumer Research, 1974, 1, 71-80.

- Conrath, D. W. From statistical decision theory to practice: Some problems with the transition. Management Science, 1973, 19, 873-883.
- Coombs, C. H., & Huang, L. C. Test of the betweenness property of expected utility (MMPP Rep. 74-13). Ann Arbor, MI: University of Michigan, Michigan Memorial Phoenix Project, 1974.
- Fischer, G. W. Four methods for assessing multi-attribute utilities: An experimental validation (Tech. Rep. 037230-6-7). Ann Arbor, MI: Michigan University, Department of Psychology, 1972.
- Harman, A. J., & Press, S. J. Collecting and analyzing expert group judgment data (P 5467). Santa Monica, CA: Rand Corporation, 1975.
- Jensem, C. J. The validity of Bayesian tailored testing. Educational and Psychological Measurement, 1974, 34(4), 757-766.
- O'Connor, M. F. The application of multi-attribute scaling procedures to the development of indices of value (Contract N00014-67-A-0181-0034; Tech. Rep. 037230-1-T). Ann Arbor, MI: University of Michigan, Department of Psychology, 1972.
- Pugh, G. E. Mathematical decision aids for the task-force commander and his staff: Final report (CR-593-01). McLean, VA: General Research Corporation, 1976.
- Rizy, E. F. Effects of decision parameters on a detection/localization paradigm quantifying sonar operator performance (R-1156). Portsmouth, RI: Raytheon Company, 1972.
- Schmidt, F. L. Implications of a measurement problem for expectancy theory research. Organizational Behavior and Human Performance, 1973, 10, 243-251.
- Tversky, A. Assessing uncertainty. Statistical Sociology, 1975, 36B, 148-159.
- Wilcox, J. W. A method for measuring decision assumptions. Cambridge, MA: Massachusetts Institute of Technology Press, 1972.

#### G. Computer Aids

- Chatterjee, P. Decision-support system: A case study in evaluative research. Journal of Applied Behavioral Science, 1975, 11(1), 62-74.
- Davis, K. B., Weisbrod, R. L., Freedy, A., & Weltman, G. Adaptive computer aiding in dynamic decision processes: An experimental study of aiding effectiveness (Tech. Rep. PTR-1016-75-5). Woodland Hills, CA: Perceptronics, 1975.

- Freedy, A., Davis, K. B., Stub, R., Samet, M. G., & Gardiner, P. C. Adaptive computer aiding in dynamic decision processes: Analysis and design: Semi-annual technical report (Contract N00014-73-C-0286; PTR 73-101). Woodland Hills, CA: Perceptronics, Inc., 1973.
- Freedy, A., Davis, K. B., Stub, R., Samet, M. G., & Gardiner, P. C. Adaptive computer aiding in dynamic decision processes. Part II: Scenario generation by expert probabilities (Contract N00014-73-C-0286; PTR 74-5(11)). Woodland Hills, CA: Perceptronics, Inc., 1974.
- Freedy, A., Davis, K. B., Stub, R., Samet, M. G., & Gardiner, P. C. Adaptive computer aiding in dynamic decision processes: Methodology, evaluation, and application: Final report (Contract N00014-73-C-0286; PTR 1016-76-8/30-F). Woodland Hills, CA: Perceptronics, Inc., 1976.
- Freedy, A., Weisbrod, R., Davis, K., May, D., & Weltman, G. Adaptive computer aiding in dynamic decision processes: Adaptive decision models and dynamic utility estimation, Part I (PTR 1016-74-5(1)). Woodland Hills, CA: Perceptronics, 1974.
- Halpin, S. M., Thornberry, J. A., & Streufert, S. The credibility of computer estimates in a simple decision making task (ONR Tech. Rep. 5). West Lafayette, IN: Purdue University, Office of Naval Research, 1973.
- Hart, E. W., & Sung, Y. H. Computer and experimental simulation of triad decision making (Contract N00014-67-A-0226; Tech. Rep. 10). West Lafayette, IN: Purdue University, 1973.
- Hatfield, G. B. Theory and application of linear decision programming (NPRDC Tech. Rep. 75-4). San Diego, CA: Navy Personnel Research and Development Center, 1974.
- Hurst, E. G., Morgan, H. L., & Ness, D. N. Decision aiding information system (DAISY) user's guide (Working Paper 75-01-02). Philadelphia, PA: Wharton School, Decision Sciences Department, 1975.
- Hurst, E. G., Morgan, H. L., & Ness, D. N. DAISY/APL interface user's manual (Working Paper 75-01-04). Philadelphia, PA: Wharton School, Decision Sciences Department, 1975.
- Jones, L. V., Johnson, E. S., & Young, F. W. Computer control of experiments in problem solving, psychophysics, and decision making. In B. Weiss (Ed.), Digital computers in the behavioral laboratory. New York, NY: Appleton-Century-Crofts, 1973, 460.
- Kalenty, C. R., Lockwood, W. L., & Vissering, V. M. Experimental validation of an option selection matrix and investigation of other display formats as operational decision aids (CSS 77-1). Bethpage, NY: Grumman Aerospace Corporation, 1977.
- Mitchell, R. M., Jr. A model interface for the decision aiding information system; interim report (Rep. 76-09-11; Pt. 1). Philadelphia, PA: Wharton School, Decision Sciences Department, 1976.

Office of Naval Research operational decision aids (ODA) program, ODA data base: Final report (Contract N00014-75-C-0974; Rep. 26056).  
Falls Church, VA: CTLC, Inc., 1976.

Stewart, T. R., & Carter, J. E. POLICY: An interactive computer program for externalizing, executing, and refining judgmental policy (Program Research of Human Judgment and Social Interaction Rep. 159). Boulder, CO: University of Colorado Institute of Behavioral Sciences, 1973.

Ulvila, J. W. A pilot survey of computer programs for decision analysis (DDI Tech. Rep. 75-2). McLean, VA: Decisions and Designs, Inc., 1975.

Weisbrod, R. L., Davis, K. B., Freedy, A., & Weltman, G. Adaptive computer aiding in dynamic decision processes: An initial study of dynamic utility convergence and decision aiding (Tech. Rep. 75-05). Woodland Hills, CA: Perceptronics, 1975, 30.

## VI. Probability Theory

### A. Subjective Probability and Estimation

Armeliu, K. & Armeliu, B. Confidence in multiple-cue judgments as a function of cue intercorrelation and task predictability. Umea Psychological Reports, 1975, 82.

Barclay, I., & Beach, L. R. Combinatorial properties of personal probabilities (Rep. 70-1-09). Seattle, WA: University of Washington, Department of Psychology, 1970.

Batista, S. Bayesian decision processes and revision of subjective probabilities (Rep. 70-1-09). Seattle, WA: University of Washington, Department of Psychology, 1970.

Bauer, M. Accuracy and congruence in estimations of probabilities and odds from binomial distributions. Umea Psychological Reports, 1971, 36.

Beach, L. R. A note on intrasubject similarity of subjective probabilities obtained by estimates and by bets. Organizational Behavior and Human Performance, 1974, 11(2), 250-252.

Blomkvist, A. Figurative and numerical presentations of probabilities in rating games. Goteborg Psychological Reports, 1974, 4(7), 24.

Borch, K. Probabilities of probabilities: A comment. Theory and Decision, 1975, 6(2), 155-159.

Branthwaite, A. A note comparing three measures of subjective probability, their validity, and reliability. Acta Psychologica, 1974, 38(5), 337-342.

Brehmer, B., Kuylenstierna, J., & Liljergren, J. E. Effects of function form and cue validity on the subjects' hypotheses in probabilistic inference tasks. Organizational Behavior and Human Performance, 1974, 11(3), 338-354.



- Brickman, P., & Pierce, S. M. Estimates of conditional probabilities of confirming versus disconfirming events as a function of inference situation and prior evidence. Journal of Experimental Psychology, 1972, 95(1), 235-237.
- Brown, E. R., & Bane, A. L. Probability estimation in a chance task with changing probabilities. Journal of Experimental Psychology: Human Perception and Performance, 1975, 104(2), 183-187.
- Brown, T. A., & Shuford, E. H. Quantifying uncertainty into numerical probabilities for the reporting of intelligence (RAND Rep. 1185-ARPA). Santa Monica, CA: Rand Corporation, 1973.
- Edenborough, R. A. Order effects and display persistence in probabilistic opinion revision. Bulletin of the Psychonomic Society, 1975, 5(1), 39-40.
- Edgington, E. S. A normal curve method for combining probability values from independent experiments. Journal of Psychology, 1972, 82(1), 85-89.
- Fischer, G. W. An experimental study of four procedures for aggregating subjective probability assessments (DDI Tech. Rep. 75-7). McLean, VA: Decisions and Designs, Inc., 1975.
- Fischer, G. W., & Peterson, C. R. Ratio versus magnitude estimates of importance factors (Tech. Rep. 037230-3-T). Ann Arbor, MI: University of Michigan, Department of Psychology, 1972.
- Fischhoff, B., & Beyth, K. "I knew it would happen"--Remembered probabilities of once-future things. Oregon Research Institute, Research Bulletin, 1974, 14(4).
- Ford, D. L., Huber, G. P., & Gustafson, D. H. Predicting job choices with models that contain subjective probability judgments: An empirical comparison of five models. Organizational Behavior and Human Performance, 1972, 7(3), 397-416.
- Fryback, D. G., & Edwards, W. Toward an error theory for PIP: Inference based on an alternative formulation of the data space (Contract N00014-67-A-0181-0049; Rep. 011313-9-T). Ann Arbor, MI: University of Michigan, Engineering Psychology Laboratory, 1973.
- Godden, D. R. Probability as preparedness to act: Direct estimation versus indirect measurement. Organizational Behavior and Human Performance, 1976, 17(1), 147-158.
- Goodman, B. C. Direct estimation procedures for eliciting judgments about uncertain events (EPL Technical Rep. 011313-5-T). Ann Arbor, MI: University of Michigan, Engineering Psychological Laboratory, 1973.
- Hammerton, M. A case of radical probability estimation. Journal of Experimental Psychology, 1973, 101, 252-254.
- Harris, D. R., Dansereau, D. F., Huff, E., Evans, S. H., & Hastings, M. A. Probability learning with four event classes of schematic stimuli. Canadian Journal of Psychology, 1974, 28(2), 131-148.

- Hatfield, G. B., & Silverman, J. A theoretical approach to multiobjective problems (NPRDC Tech. Rep. 75-15). San Diego, CA: Navy Personnel Research and Development Center, 1974.
- Hazard, T. H., & Peterson, C. R. Odds versus probabilities for categorical events. Catalog of Selected Documents in Psychology, 1974, 4, 39.
- Hazard, T. H., & Peterson, R. Odds versus probabilities for categorical events (DDI Tech. Rep. 73-2). McLean, VA: Decisions and Designs, Inc., 1973.
- Hoffman, J., & Peterson, C. R. A scoring rule to train probability assessors (EPL Tech. Rep. 037230-4-T). Ann Arbor, MI: University of Michigan, Engineering Psychological Laboratory, 1972.
- Hogarth, R. M. Cognitive processes and the assessment of subjective probability distributions. Journal of the American Statistical Association, 1975, 70, 271-294.
- Kahneman, D., & Tversky, A. On the psychology of prediction. Psychology Review, 1973, 80(4), 237-251.
- Kahneman, D., & Tversky, A. Subjective probability: A judgment of representativeness. Cognitive Psychology, 1972, 3(3), 430-454.
- Kelly, C. W., III, & Peterson, C. R. Probability estimates and probabilistic procedures in current intelligence analysis (IBM Rep. 71-5047). Gaithersburg, MD: International Business Machines, 1971.
- Kusyszyn, I. Psychology of gambling, risk-taking, and subjective probability: A bibliography. Journal of Supplemental Abstract Service. Catalogue of Selected Documents in Psychology, 1972, 2, 7.
- Lichtenstein, S., Earle, T. C., & Slovic, P. Cue utilization in a numerical prediction task. Oregon Research Institute, Research Bulletin, 1974, 14(2), 27.
- Lichtenstein, S., Fishhoff, B., & Phillips, L. D. Calibration of probabilities: The state of the art (Contract N00014-76-C-0074; DDI-3). Eugene, OR: Oregon Research Institute, 1976.
- Lichtenstein, S., & Fischhoff, B. The effect of knowledge on the calibration of probability assessment (Contract N00014-76-C-0074; DDI-4). Eugene, OR: Oregon Research Institute, 1976.
- Liu, A. Y. Specific information effect in probability estimation. Perceptual and Motor Skills, 1975, 41(2), 475-478.
- Lyon, D., & Slovic, P. Dominance of accuracy information and neglect of base rates in probability estimation. Acta Psychologica, 1976, 40(4), 286-298.
- Lyon, D., & Slovic, P. Dominance of individuating information and neglect of base rates in probability estimation. Oregon Research Institute, Research Bulletin, 1975, 15(1), 18.

- Marschak, J. Personal probabilities of probabilities. Theory and Decision, 1975, 6(2), 121-153.
- Messick, D. M., & Campos, F. T. Training and conservatism in subjective probability revision. Journal of Experimental Psychology, 1972, 94, 335-337.
- Murphy, A. H. A new vector partition of the probability score. Journal of Applied Meteorology, 1973, 12, 595-600.
- Murphy, A. H. A sample skill score for probability forecasts. Weather Review, 1974, 102, 48-55.
- Murphy, A. H., & Winkler, R. L. Probability forecasts: A survey of national weather service forecasters. Bulletin of the American Meteorological Society, 1974, 55, 1449-1453.
- Nirenberg, L. M, Haber, J., & Moise, L. A high-speed algorithm for computing conditional probabilities of substrings of sequentially observed data. Behavior Research Methods and Instrumentation, 1973, 5(3), 291-294.
- Peterson, C. R., & Barch, S. Two methods of assessing probability distributions (Contract N00014-73-C-0149; TR 73-1). McLean, VA: Decisions and Designs, Inc., 1973.
- Petrusic, W. M., & Jamison, D. G. Studying preferential choice without stable probability estimates: Temporal transitivity analysis. Acta Psychologica, 1976, 40(5), 375-383.
- Pitz, G. F., Leung, L. S., Hamilos, C., & Terpening, W. The use of probabilistic information in making predictions. Organizational Behavior and Human Performance, 1976, 17(1), 1-18.
- Rose, M., Beach, L. R., & Peterson, R. Failures to find probability matching (Res. Rep. 71-1-19). Seattle, WA: University of Washington, 1971, 23.
- Rosen, A., & Wyer, R. S. Some further evidence for the "Socratic effect" using a subjective probability model of cognitive organization. Journal of Personality and Social Psychology, 1972, 24(3), 420-424.
- Rosenthal, R. H., White, G. M., & Rosenthal, T. L. Probability matching through vicarious and direct experience. Psychological Reports, 1975, 36(3), 883-889.
- Schenck, H. U., & Surber, C. Probability strategies in similar concurrent tasks as a function of instructions and stimulus-presentation conditions. Psychological Reports, 1973, 32(2), 375-380.
- Seaver, D. A., Winterfeldt, D. V., & Edwards, W. Eliciting subjective probability distributions on continuous variables (Rep. 001597-3-T). Los Angeles, CA: University of Southern California, Social Science Research Institute, 1975.

- Selvidge, J. A three-step procedure for assigning probabilities to rare events. In D. Wendt and C. A. J. Vlek (Eds.), Utility probability and human decision making. Dordrecht, The Netherlands: Reidel, 1975.
- Shapira, Z. Measuring subjective probabilities by the magnitude production method. Organizational Behavior and Human Performance, 1975, 14(3), 314-320.
- Shuford, E. H., Jr., & Brown, T. A. Rationale of computer-administered admissible probability measurement (RAND Rep. 1371-ARPA). Santa Monica, CA: Rand Corporation, Defense Advanced Research Projects Agency, 1974.
- Shufford, E. H., Jr., & Brown, T. A. Elicitation of personal probabilities and their assessment. Instrumental Science, 1975, 4, 137-188.
- Slovic, P., Fischhoff, B., & Lichtenstein, S. The certainty illusion (Contract N00014-76-C-0074; DDI-2). Eugene, OR: Oregon Research Institute, 1976.
- Stachowski, R. Effect of predecisional information integration strategy on cognitive conservatism. Polish Psychological Bulletin, 1974, 5(1), 17-23.
- Stael von Holstein, C. A. S. Two techniques for assessment of subjective probability distributions: An experimental study. Acta Psychologica, 1971, 35, 478-494.
- Stael von Holstein, C. A. S. Probabilistic forecasting: An experiment related to the stock market. Organizational Behavior and Human Performance, 1972, 8, 139-158.
- Stockburger, D. W., & Erickson, J. R. Probabilistic discrimination learning with dimensionalized stimuli. Organizational Behavior and Human Performance, 1974, 11(2), 157-171.
- Svenson, I. Analysis of strategies in subjective probability inferences as evidenced in continuous verbal reports and numerical responses (Rep. 396). Sweden: University of Stockholm, Psychological Laboratories, 1973.
- Teigen, K. H. Overestimation of subjective probabilities. Scandinavian Journal of Psychology, 1974, 15(1), 56-62.
- Teigen, K. H. Subjective sampling distributions and the additivity of estimates. Scandinavian Journal of Psychology, 1974, 15, 50-55.
- Thomas, E. A. Criterion judgment and probability matching. Perception and Psychophysics, 1975, 18(2), 158-162.
- Tversky, A., & Kahneman, D. Availability: A heuristic for judging frequency and probability. Cognitive Psychology, 1973, 5(2), 207-232.
- Vlek, C. A. J. Coherence of human judgment in a limited probabilistic environment. Organizational Behavior and Human Performance, 1973, 9, 460-481.

- Vlek, C. A. J. The fair betting game as an admissible procedure for assessment of subjective probabilities. British Journal of Mathematical and Statistical Psychology, 1973, 26, 18-30.
- Wallsten, T. S. Conjoint-measurement framework for the study of probabilistic information processing. Psychology Review, 1972, 79, 245-260.
- Wallsten, T. Using a conjoint measurement model to develop theory about probabilistic information processing (Rep. 127). Chapel Hill, NC: University of North Carolina, Psychometric Laboratory, 1975.
- Ward, W. M. Heuristic use or information integration in the estimation of subjective likelihood? Bulletin of the Psychonomic Society, 1975, 6, 43-46.
- Weir, M. W. Probability performance: Reinforcement procedure and number of alternatives. American Journal of Psychology, 1972, 85(2), 261-270.
- Weisberg, H. F., & Niemi, R. G. A pairwise probability approach to the likelihood of the paradox of voting. Behavioral Science, 1972, 18(2), 109-117.
- Whitman, C. P., & Giller, E. S. Manipulation and reversal of the probability of a correct stimulus prediction in a choice reaction task. Psychonomic Science, 1972, 29(6-A), 339-341.
- Wise, J. A., & Mockovak, W. P. Descriptive modeling of subjective probabilities. Organizational Behavior and Human Performance, 1973, 9(2), 292-306.
- Wyer, R. S. Functional measurement methodology applied to a subjective probability model of cognitive functioning. Journal of Personality and Social Psychology, 1975, 31(1), 94-100.
- Wyer, R. S. An investigation of the relationship among probability estimates. Organizational Behavior and Human Performance, 1976, 15, 1-18.

#### B. Probability Learning

- Armelius, B., & Armelius, K. Integration rules in a multiple-cue probability learning task with intercorrelated cues. Umea Psychological Reports, 1975, 80.
- Armelius, B., & Armelius, K. Combination rules in multiple cue probability learning: I. Relation to task characteristics and performance. Umea Psychological Reports, 1976, 99, 15.
- Armelius, B., & Armelius, K. Combination rules in multiple-cue probability learning: II. Performance, confidence and development of rules. Umea Psychological Reports, 1976, 101, 13.

- Armeliu8, K., & Armeliu8, B. Detection of cue intercorrelation in multiple-cue probability learning. Umea Psychological Reports, 1975, 84.
- Armeliu8, K., & Armeliu8, B. Note on detection of cue intercorrelation in multiple-cue probability learning. Scandinavian Journal of Psychology, 1975, 16(1), 37-41.
- Armeliu8, K., & Armeliu8, B. Note on the effects of cue-criterion correlations, cue intercorrelations and the sign of the cue intercorrelation on confidence in multiple-cue probability learning. Umea Psychological Reports, 1975, 83.
- Armeliu8, K., & Armeliu8, B. The effect of cue-criterion correlations, cue intercorrelations, and the sign of the cue intercorrelation on performance in suppressor variable tasks. Umea Psychological Reports, 1975, 81.
- Armeliu8, K., & Armeliu8, B. Redundancy and inference behavior. Umea Psychological Reports, 1976, 102, 23.
- Bar-Hillel, M. On the subjective probability of compound events. Organizational Behavior and Human Performance, 1973, 9, 396-406.
- Bar-Hillel, M. Similarity and probability. Organizational Behavior and Human Performance, 1974, 11(2), 277-282.
- Bauer, M. Bias in estimates of conditional probabilities and betting behavior as a function of relative frequency and validity of cues in a cue-probability learning task. Acta Psychologica, 1972, 36(5), 337-347.
- Bauer, M. Prediction strategies in non-metric probability learning tasks when feedback is omitted. Umea Psychological Reports, 1973, 62.
- Bauer, M. Relations between prediction and estimation-responses in cue-probability learning and transfer. Scandinavian Journal of Psychology, 1972, 13(3), 198-207.
- Brehmer, B. Concurrent learning of two single-cue probability learning tasks. Umea Psychological Reports, 1971, 47.
- Brehmer, B. Cue utilization and cue consistency in multiple-cue probability learning. Organizational Behavior and Human Performance, 1972, 8(2), 286-296.
- Brehmer, B. Hypotheses about relations between scaled variables in the learning of probabilistic inference tasks. Umea Psychological Reports, 1973, 64.
- Brehmer, B. The effect of cue intercorrelation on interpersonal learning of probabilistic inference tasks. Umea Psychological Reports, 1973, 73.

- Brehmer, B., & Kuyunstierna, J. Evaluation of performance in the learning of probability inference tasks. Umea Psychological Reports, 1976, 91, 15.
- Brehmer, B., & Lindberg, L. A. Omission of feedback in single-cue probability learning. Umea Psychological Reports, 1971, 46.
- Brehmer, B., & Lindberg, L. A. Retroactive transfer in single-cue probability learning: 1. The effect of a variation in cue validity. Umea Psychological Reports, 1973, 63.
- Castellan, N. J., & Edgell, S. E. An hypothesis generation model for judgment in nonmetric multiple-cue probability learning. Journal of Mathematical Psychology, 1973, 10(2), 204-222.
- Catano, V. M. Probability learning on incidentally observed dimensions. A response bias effects. Canadian Journal of Psychology, 1976, 30(2), 72-81.
- Chapman, C. R. Prior probability bias in information seeking and opinion revision. American Journal of Psychology, 1973, 86(2), 269-282.
- Domas, P. A., & Peterson, C. R. Probabilistic information processing systems: Evaluation with conditionally dependent data. Organizational Behavior and Human Performance, 1972, 7, 77-85.
- Du Charme, W. M., & Donnell, M. L. Intrasubject comparison of four response modes for "subjective probability" assessment. Organizational Behavior and Human Performance, 1973, 10, 108-117.
- Geller, E. S., & Clower, C. M. Incidental probability learning: Effects of task-relevant vs. irrelevant stimulus dimensions. Bulletin of the Psychonomic Society, 1973, 6(6), 649-651.
- Goldsmith, R. W. Compound probability assessment in a judicial context: A "lens" model study. Psychological Research Bulletin, Lund University, 1976, 16(3), 12.
- Gordon, M. Strategies in probabilistic concept attainment. Dissertation Abstracts International, 1973, 33(10-A), 5551.
- Holzworth, R. J., & Doherty, M. E. Feedback effects in a metric multiple-cue probability learning task. Bulletin of the Psychonomic Society, 1976, 8(1), 1-3.
- Lindberg, L. A., & Brehmer, B. Retroactive interference in single-cue probability learning. Scandinavian Journal of Psychology, 1976, 17(1), 35-40.
- Lindell, M. K. Cognitive and outcome feedback in multiple-cue probability learning tasks. Journal of Experimental Psychology: Human Learning and Memory, 1976, 2(6), 739-745.

- Manning, S. K., & Clark, E. A. Response effects of equated values of event frequency, repetition, and alternation in one- and two-cue probability learning. Quarterly Journal of Experimental Psychology, 1974, 26(3), 417-424.
- Muchinsky, P. M., & Dudycha, A. L. The influence of a suppressor variable and labeled stimuli on multiple cue probability learning. Organizational Behavior and Human Performance, 1974, 12(3), 429-444.
- Schipper, I. M., Hanson, B. L., Jones, D. P., & Heiman, G. W. Event observation in probability learning revisited. Journal of Experimental Psychology, 1974, 102(1), 114-120.
- Schmitt, N., & Dudycha, A. L. A reevaluation of the effect of cue redundancy in multiple-cue probability learning. Journal of Experimental Psychology: Human Learning and Memory, 1975, 1(3), 307-315.
- Sheets, C. A., & Miller, M. J. The effect of cue-criterion function form on multiple-cue probability learning. American Journal of Psychology, 1974, 87(4), 629-641.
- Wackwitz, J. H. Probability learning: Uncertain binary decision making: Memory and decision making: Memory and decision factors. Dissertation Abstracts International, 1973, 34(2-B), 902-903.

## VII. Cognitive Style

### A. General

- Arbuthnot, J. Cognitive style and modification of moral judgment. Psychological Reports, 1974, 34(1), 273-274.
- Bart, W. M., & Smith, M. B. An interpretive framework of cognitive structures. Human Development, 1974, 17(3), 161-175.
- Cunningham, M. A., & Gray, H. J. Design and test of a cognitive model. International Journal of Man-Machine Studies, 1974, 6(1), 49-104.
- Das, J. P. Structure of cognitive abilities: Evidence for simultaneous and successive processing. Journal of Educational Psychology, 1973, 65(1), 103-108.
- Das, J. P., Kirby, J., & Jarman, R. F. Simultaneous and successive synthesis: An alternative model for cognitive abilities. Psychological Bulletin, 1975, 82(1), 87-103.
- Eddowes, E. E. A cognitive model of what is learned during flying training (U.S. AFHRL Tech. Rep. 74-63). Brooks Air Force Base, TX: Air Force Human Resources Laboratory, 1974.



- Estes, W. K. Handbook of learning and cognitive processes: III. Approaches to human learning and motivation. Hillsdale, NJ: Lawrence Erlbaum, 1976, 373.
- Feather, N. T. Cognitive differentiation, cognitive isolation, and dogmatism: Rejoinder and further analysis. Sociometry, 1973, 36(2), 221-236.
- Greeno, J. G. Theory and practice regarding acquired cognitive structures. Educational Psychologist, 1973, 10(3), 117-122.
- Just, M., & Carpenter, P. A. Eye fixations and cognitive processes. Cognitive Psychology, 1976, 8(4), 441-480.
- Lohrenz, L. J., & Gardner, R. W. Cognitive control in recall of similar visual designs vs. nonsimilar thematic materials. Perceptual and Motor Skills, 1973, 36(2), 627-631.
- MacNeil, L. W. Cognitive complexity: A brief synthesis of theoretical approaches and a concept attainment task analogue to cognitive structure. Psychological Report, 1974, 34(1), 3-11.
- Moore, S. F., & Gross, S. J. Influence of critical signal regularity, stimulus event matrix, and cognitive style on vigilance performance. Journal of Experimental Psychology, 1973, 99(1), 137-139.
- Pizzamiglio, L. Handedness, ear-preference, and field-dependence. Perceptual and Motor Skills, 1974, 38(3, Pt. 1), 700-702.
- Posner, M. I. Cognition: An introduction. Glenview, IL: Scott, Foresman, 1973, 208.
- Putnoky, J. Are cognitive processes regulated only by feed-back systems? Studia Psychologica, 1973, 15(1), 65-71.
- Rigney, J. W. On cognitive strategies for facilitating acquisition, retention, and retrieval in training and education (Contract N00014-75-C-0838; TR 78). Los Angeles, CA: University of Southern California, Department of Psychology, 1976.
- Scholz, K. W., & Potts, G. R. Cognitive processing of linear orderings. Journal of Experimental Psychology, 1974, 102(2), 323-326.
- Thomae, H. Cognition and motivation: Modern aspects of an ancient problem. Psychologia: An International Journal of Psychology in the Orient, 1973, 16(4), 179-190.
- Thomas, E. A. The selectivity of preparation. Psychological Review, 1974, 81(5), 442-464.
- Thorndyke, P. W. Cognitive structures in human comprehension and memory: Ph.D. Dissertation (P-5513). Santa Monica, CA: Rand Corporation, 1975.
- Ulrich, J. R., & Painter, J. R. A conjoint-measurement analysis of human judgment. Organizational Behavior and Human Performance, 1974, 12(1), 50-61.

- Wachtel, P. L. Cognitive style and style of adaptation. Perceptual and Motor Skills, 1972, 35(3), 778-785.
- Wardell, D. Note on factor analysis of cognitive styles. Perceptual and Motor Skills, 1974, 38(3, Pt. 1), 774.
- Witkin, H. A., & Goodenough, D. K. Field dependence revisited (RB 76-39). Princeton, NJ: Educational Testing Service, 1976.
- Witkin, H. A., & Moore, C. A. Field-dependent and field-independent cognitive styles and their educational implications (RB 75-24). Princeton, NJ: Educational Testing Service, 1975.
- Wyer, R. S. Some implications of the "Socratic effect" for alternative models of cognitive consistency. Journal of Personality, 1974, 42(3), 399-419.

#### B. Concept Formation

- Baker, W. J., Prideaux, G. D., & Derwing, B. L. Grammatical properties of sentences as a basis for concept formation. Journal of Psycholinguistic Research, 1973, 2(3), 201-220.
- Bart, W. N. An algebraic representation of concepts. Journal of Structural Learning, 1972, 3(4), 27-35.
- Berger, D. E. Measures of information processing in concept identification. Journal of Experimental Psychology, 1974, 102(3), 384-392.
- Bourne, L. E. Stimulus selection and memory strategies in concept problems. Memory and Cognition, 1974, 2(2), 270-274.
- Chatfield, D. C., & Janek, E. J. Recall in concept identification. Journal of General Psychology, 1973, 89(1), 123-132.
- Cicchinelli, A. E., & Keller, R. E. Acquisition and retention of concepts formed from unfamiliar visual patterns (Contract N00014-67-A-0394-0010; Tech. Rep. 1). Denver, CO: University of Denver, Denver Research Institute, 1974.
- Fink, R. T. Response latency as a function of hypothesis-testing strategies in concept identification. Journal of Experimental Psychology, 1972, 95(2), 337-342.
- Gihooly, K. J. Response times and inspection times in n-value concept learning. Acta Psychologica, 1974, 38(2), 99-115.
- Harpur, J. G. Consistency of "switch" and "stay" strategies in concept-identification situations. Psychological Reports, 1976, 39(2), 447-450.
- Harris, R. C. Concept learning as a function of type, identifiability, and variety of instructional instances. Journal of Educational Research, 1973, 67(4), 182-189.

- Indow, T., & Suzuki, S. Strategies in concept identification: Stochastic model and computer simulation: I. Japanese Psychological Research, 1972, 14(4), 168-175.
- Kahrs, C. R., & Haygood, R. C. Relevant redundancy in disjunctive concept learning. Bulletin of the Psychonomic Society, 1973, 1(5-A), 335-336.
- King, W. A. A comparison of three combinations of text and graphics for concept learning (NPRDC Tech. Rep. 76-16). San Diego, CA: Navy Personnel Research and Development Center, 1975.
- Kotovsky, K., & Simon, H. A. Empirical tests of a theory of human acquisition of concepts for sequential patterns. Cognitive Psychology, 1973, 4(3), 399-424.
- Lantz, A. E. Learning and retention of concepts formed from unfamiliar visual patterns: Final report (Contract N00014-67-A-0394-0010; final). Denver, CO: University of Denver, Denver Research Institute, 1974.
- Laughlin, P. R. Selection strategies in concept attainment. In R. L. Solso (Ed.), Contemporary issues in cognitive psychology: The Loyola Symposium. Washington, D. C.: V. H. Winston & Sons, 1973, 348.
- May, W. W. Stimulus sequence effects in a multiple concept task. Journal of General Psychology, 1974, 90(2), 279-287.
- McGlynn, R. P., & Schick, C. Reduced information feedback on a selection concept learning task. Behavior Research Methods and Instrumentation, 1973, 5(4), 355-356.
- McKinney, J. D. Effects of overt verbalization of information before and after instance selection on concept attainment. Psychological Reports, 1973, 32(2), 459-464.
- Mecherikoff, M. Concept learning in the aural analysis of passive sonar signals (Tech. Rep. 776-5). Goleta, CA: Human Factors Research, Inc., 1974.
- Miller, A., & Keesey, J. C. Learning sets in concept formation: Conjunctive and disjunctive concepts for rule and attribute identification. Journal of General Psychology, 1974, 90(2), 289-296.
- Millward, R. B., & Wilkens, T. D. Concept identification models. In D. H. Krantz, R. C. Atkinson, R. D. Luce, & P. Suppes (Eds.), Contemporary developments in mathematical psychology: I. Learning, memory, and thinking. San Francisco, CA: W. H. Freeman, 1974, 299.
- Nelson, T. O., Wolff, J. L., & Royer, M. More about dimensional similarity in concept attainment. American Journal of Psychology, 1973, 86(2), 237-249.
- Peterson, J. M., & Farley, F. H. Concept learning, informative feedback, and individual differences in motivation. Journal of General Psychology, 1974, 90(2), 179-186.

- Shumway, R. J. Negative instances and mathematical concept acquisition. Theory into Practice, 1975, 12(5), 307-315.
- Smalley, N. S. Modes of extracting information in concept attainment as a function of selection versus reception paradigms. Journal of Experimental Psychology, 1974, 102(1), 56-61.
- Sweller, J. Effect of amount of initial training on concept shift problems. Journal of Experimental Psychology, 1973, 99(1), 134-138.
- Tanaka, M. Strategies in concept formation. Journal of Child Development, 1973, 9, 24-31.
- Taplin, J. E. Evaluation of hypothesis in concept identification. Memory and Cognition, 1975, 3(1), 85-96.
- Tennyson, R. D., & Boutwell, R. Pretask versus within-task anxiety measures predicting performance on a concept acquisition task. Journal of Educational Psychology, 1973, 65(1), 88-92.
- Wandmacher, J., & Vorberg, D. Application of the Bower and Trabasso theory to four-category concept learning with probabilistic feedback. Acta Psychologica, 1974, 38(3), 215-233.
- White, R. M. Hypothesis behavior as a function of amount of pretraining. Journal of Experimental Psychology, 1974, 102(6), 1053-1060.

#### C. Search and Scanning

- Aubé, M., & Murdock, B. Sensory stores and high-speed scanning. Memory and Cognition, 1974, 2(1-A), 27-33.
- Biederman, I., & Stacy, E. W. Stimulus probability and stimulus set size in memory scanning. Journal of Experimental Psychology, 1974, 102(6), 1100-1107.
- Brown, B. Effect of background constraint on visual search times. Ergonomics, 1976, 19(4), 441-449.
- Burrows, D., & Okada, R. Scanning temporally structured lists: Evidence for dual retrieval processes. Memory and Cognition, 1974, 2(3), 441-446.
- Burrows, D., & Okada, R. Parallel scanning of physical and category information. Memory and Cognition, 1976, 4(1), 31-35.
- Clifton, C., & Brewer, E. Partially selective search of memory for letters and digits. Memory and Cognition, 1976, 4(5), 616-626.
- Clifton, C., & Tash, J. Effect of syllabic word length on memory-search rate. Journal of Experimental Psychology, 1973, 99(2), 231-235.

- Corballis, M. C., & Miller, A. Scanning and decision processes in recognition memory. Journal of Experimental Psychology, 1973, 98(2), 379-386.
- DeRosa, D. V., & Tkacy, S. Memory scanning of organized visual material. Journal of Experimental Psychology: Human Learning and Memory, 1976, 2(6), 688-694.
- Halmiová, O. Potásová, A., & Árochová, O. Effect of training on search activity. Studia Psychologica, 1976, 18(3), 237-240.
- Hodge, M. H. Competing responses and the processing of irrelevant information. Memory and Cognition, 1973, 1(2), 124-128.
- Hunt, L. J. Serial search performance with stimulus coding and positional change. Perceptual and Motor Skills, 1973, 36(3, Pt. 1), 767-770.
- Kerst, S. M. Interactive visual imagery and memory search for words and pictures. Memory and Cognition, 1976, 4(5), 573-580.
- Kristofferson, M. W. On the interaction between memory scaling and response set. Memory and Cognition, 1975, 3(1), 102-106.
- Kruegen, L. E., & Weiss, M. E. Letter search through words and nonwords: The effect of fixed, absent, or mutilated targets. Memory and Cognition, 1976, 4(2), 200-214.
- Lang, M. Representation and processing of words in memory in a Sternberg type scanning experiment. Psychologische Forschung, 1974, 36(4), 335-341.
- Latimer, C. R. Search time as a function of context letter frequency. Perception, 1972, 1(1), 57-71.
- Lefton, L. A. Probing information from briefly presented arrays. Journal of Experimental Psychology, 1974, 103(5), 958-970.
- Levine, J. M. Information seeking with conflicting and irrelevant inputs. Journal of Applied Psychology, 1973, 57(1), 74-80.
- Meyer, D. E. Correlated operations in searching stored semantic categories. Journal of Experimental Psychology, 1973, 99(1), 124-133.
- Miller, J. O., & Pachella, R. G. Encoding processes in memory scanning tasks. Memory and Cognition, 1976, 4(5), 501-506.
- Naus, M. J. Memory search of categorized lists: A consideration of alternative self-terminating search strategies. Journal of Experimental Psychology, 1974, 102(6), 992-1000.
- Okada, R., & Burrows, D. Organizational factors in high-speed scanning. Journal of Experimental Psychology, 1973, 101(1), 77-81.

- Reynolds, J. H., & Goldstein, J. A. The effects of category membership on memory scanning for words. American Journal of Psychology, 1974, 87(3), 487-495.
- Scheirer, C. J., & Hanley, M. J. Scanning for similar and different material in short- and long-term memory. Journal of Experimental Psychology, 1974, 102(2), 343-346.
- Simpson, P. J. High-speed memory scanning: Stability and generality. Journal of Experimental Psychology, 1972, 96(2), 239-246.
- Sternberg, S. Memory scanning: New findings and current controversies. Quarterly Journal of Experimental Psychology, 1975, 27(1), 1-32.
- Thelos, J., & Walter, D. G. Stimulus and response frequency and sequential effects in memory scanning reaction times. Journal of Experimental Psychology, 1974, 102(6), 1092-1099.

#### VIII. Information Processing

- Acosta, E., & Simon, J. R. The effect of irrelevant information on the stages of processing. Journal of Motor Behavior, 1976, 8(3), 181-187.
- Baumgarte, R., & DeRosa, D. V. Information processing in a two-item classification task: Relationships among items in a memorized set. Journal of Experimental Psychology, 1973, 100(1), 1-5.
- Bear, G. Cognition of the relation between an event and a circumstance understood to explain the event. Memory and Cognition, 1974, 2(3), 491-496.
- Bear, G., & Hodun, A. Implicational principles and the cognition of confirmatory, contradictory, incomplete, and irrelevant information. Journal of Personality and Social Psychology, 1975, 32(4), 594-604.
- Bettman, J. R., Capon, N., & Lutz, R. J. Information processing in attitude formation and change. Communication Research, 1975, 2(3), 267-278.
- Brehmer, B. Effects of task predictability and cue validity on interpersonal learning of inference tasks involving both linear and nonlinear relations. Umea Psychological Reports, 1973, 66, 29.
- Brehmer, B. Effects of cue validity and task predictability on interpersonal learning of linear inference tasks. Umea Psychological Reports, 1973, 69, 18.
- Brehmer, B., & Qvarnstrom, G. Information integration and subjective weights in multiple-cue judgments. Umea Psychological Reports, 1973, 67, 13.
- Butler, B. E., & Merikle, P. M. Selective masking and processing strategy. Quarterly Journal of Experimental Psychology, 1973, 25(4), 542-548.

- Cicchinelli, L., & Halpern, L. The effects of observer control over visual information in classification performance (Contract N00014-74-C-0017; Nov 74). Denver, CO: Computer Image Corporation, 1974.
- Corballis, M. C. The left-right problem in psychology. Canadian Psychologist, 1974, 15(1), 16-33.
- Cronen, V. E., & Mihevc, N. The evaluation of deductive argument: A process analysis. Speech Monographs, 1972, 39(2), 124-131.
- Cumming, R. W., & Croft, P. G. Human information processing under varying task demand. Ergonomics, 1973, 16(5), 581-586.
- Cumming, R. W., & Croft, P. G. Human information processing under varying task demand. In A. J. Welford (Ed.), Man under stress. New York, NY: John Wiley & Sons, 1974, 140.
- Decker, L. R., & Rogers, C. A. Forced guidance and distribution of practice in sequential information processing. Perceptual and Motor Skills, 1973, 36(2), 415-419.
- Egeth, H., Caramazza, A., & Somers, P. Conditions for improving visual information processing (Tech. Rep. 73, 74, 75, 76, 84, 85, 86, 87). Baltimore, MD: John Hopkins University, Department of Psychology, 1976.
- Egeth, H., Marcus, N., & Bevan, W. Target set and response-set interaction: Implications for models of human information processing. Science, 1972, 176(4042), 1447-1448.
- Epstein, W. Mechanisms of directed forgetting. In G. H. Bower (Ed.), The psychology of learning and motivation: VI. New York, NY: Academic Press, 1972, 312.
- Erginel, A. The relation of cognitive style and intelligence to achievement and errors in thinking. Hacettepe Bulletin of Social Sciences and Humanities, 1972, 4(1), 8-20.
- Fisher, S. The "distraction effect" and information processing complexity. Perception, 1973, 2(1), 79-89.
- Folkard, S., & Greeman, A. L. Salience, induced muscle tension, and the ability to ignore irrelevant information. Quarterly Journal of Experimental Psychology, 1974, 26(3), 360-367.
- Forsyth, G. A., & Shor, K. E. An individual differences analysis of interdimensional scaling. Perception and Psychophysics, 1974, 15(3), 563-567.
- Freides, D. Human information processing and sensory modality: Cross-modal functions, information complexity, memory, and deficit. Psychological Bulletin, 1974, 81(5), 284-310.

- Garner, W. R. The processing of information and structure. Potomac, MD: Lawrence Erlbaum Associates, 1974.
- Gerwin, D. Information processing, data inferences, and scientific generalization. Behavioral Science, 1974, 19(5), 314-325.
- Gilmore, G. C. The interaction among letters in a visual display (Tech. Rep. 77). Baltimore, MD: John Hopkins University, Department of Psychology, 1975.
- Graesser, C., & Anderson, N. H. Cognitive algebra of the equation: Gift size = generosity X income. Journal of Experimental Psychology, 1974, 103(4), 692-699.
- Gregg, L. W. (Ed.). Knowledge and cognition. Potomac, MD: Lawrence Erlbaum Associates, 1974, 321.
- Griffith, D., & Johnston, W. A. An information-processing analysis of visual imagery. Journal of Experimental Psychology, 1973, 100(1), 141-146.
- Halpern, J., & Cicchinelli, L. A real time interaction system for the investigation of dynamic displays of acoustic signals: Final report (Contract N00014-73-C-0133; Rep. 5). Denver, CO: Computer Image Corporation, 1973.
- Haygood, R. C., Parkinson, S. R., Leshowitz, B., & Eddowes, E. E. Visual and auditory information processing aspects of the acquisition of flying skill (AFHRL TR-79). Tempe, AZ: Arizona State University, 1974.
- Hollnagel, E. Human information processing capacity in counting several things simultaneously. Scandinavian Journal of Psychology, 1974, 15(1), 41-49.
- Howell, W. C. Effects of organization on discrimination of word frequency within and between categories. Journal of Experimental Psychology, 1973, 99(2), 255-260.
- Johnson, E. M. Numerical encoding of qualitative expressions of uncertainty (Tech. Paper 250). Arlington, VA: Army Research Institute, Army Department, 1973.
- Johnson, J. H. Memory and personality: An information processing approach. Journal of Research in Personality, 1974, 8(1), 1-32.
- Jordan, S. Physiological indices of a simple cognitive task (NAVTRAEQUIPCEN Tech. Note-8). Orlando, FL: U. S. Naval Training Equipment Center, 1973, 9.
- Kantowitz, B. H. (Ed.). Human information processing: Tutorials in performance and cognition. Hillsdale, NJ: Lawrence Erlbaum Associates, 1974, 365.



- LaBerge, D., & Samuels, S. J. Toward a theory of automatic information processing in reading. Cognitive Psychology, 1974, 6(2), 293-323.
- Larson, B. An experimental study of the efficiency of human information processing. Didakometry, 1972, 35, 50.
- Leon, M., & Anderson, N. H. A ratio rule from integration theory applied to inference judgments. Journal of Experimental Psychology, 1974, 102(1), 27-36.
- Levin, I. P. Learning effects in information integration: Manipulation of cue validity in an impression formation task. Memory and Cognition, 1973, 1(3), 236-240.
- Levin, I. P. Averaging processes in ratings and choices based on numerical information. Memory and Cognition, 1974, 2(4), 786-790.
- Levin, I. P. Comparing different models and response transformations in an information integration task. Bulletin of the Psychonomic Society, 1976, 7(1), 78-80.
- Levin, I. P., & Norman, K. L. An information integration approach to serial effects in verbal discrimination learning. Bulletin of the Psychonomic Society, 1973, 1(6-B), 450-452.
- Levinson, W., Baron, S., & Junker, A. M. Modeling the effects of environmental factors on human control and information processing (USAF AMRL Tech. Rep. 76-74). Wright-Patterson Air Force Base, OH: Aerospace Medical Research Laboratory, 1976, 94.
- Lyons, D. R. Source of individual differences in digit span (Contract N00014-67-A-0446-0004; TR-1). Eugene, OR: University of Oregon, Department of Psychology, 1975.
- Meunier, G. F., Millspaugh, J., & Meunier, J. A. Effects of different level processing on retention. Bulletin of the Psychonomic Society, 1974, 4(6), 562-564.
- Murnighan, J. K., & Sung, Y. H. Primacy, conservatism, and complexity in Bayesian information processing (Contract N00014-67-A-0226; Tech. Rep. 11). West Lafayette, IN: Purdue University, 1973.
- Nickerson, R. S. Binary-classification reaction time: A review of studies of human information-processing capabilities. Psychonomic Monograph Supplements, 1972, 4(17), 275-318.
- Nickerson, R. S. Can characters be classified directly as digits vs. letters or must they be identified first? Memory and Cognition, 1973, 1(4), 477-484.
- Nosal, C. S. The systems approach to informational processes in the human operator. Polish Psychological Bulletin, 1975, 6(4), 179-189.

- Ohman, D. W., & Vitz, P. C. Complexity ratings of digit strings and their pictorial analogs. Bulletin of the Psychonomic Society, 1973, 2(1), 45-48.
- Olson, M., & Laxar, K. Processing the terms right and left: A note on left-handers. Journal of Experimental Psychology, 1974, 102(6), 1135-1137.
- Partridge, D. P., & James E. B. Natural information processing. International Journal of Man-Machine Studies, 1974, 6(2), 205-235.
- Posner, M. I., Nissen, M. J., & Klein, R. M. Visual dominance: An information-processing account of its origins and significance. Psychological Review, 1976, 83(2), 157-171.
- Potts, G. R. Incorporating quantitative information into a linear ordering. Memory and Cognition, 1974, 2(3), 533-538.
- Seamon, J. G., & Gazzaniga, M. S. Coding strategies and cerebral laterality effects. Cognitive Psychology, 1973, 5(3), 249-256.
- Slak, S., & Hirsh, K. A. Human ability to randomize sequences as a function of information per item. Bulletin of the Psychonomic Society, 1974, 4(1), 29-30.
- Slovic, P., & Lichtenstein, S. Comparison of Bayesian and regression approaches to the study of information processing in judgment. Oregon Research Institute, Research Monograph, 1970, 10(1), 148.
- Solso, R. L. (Ed.). Theories in cognitive psychology: The Loyola Symposium. Potomac, MD: Lawrence Erlbaum Associates, 1974, 386.
- Streufert, S., & Streufert, S. C. Perceptions of information relevance and importance under true stress (Contract N00014-67-A-0226-0007; Tech. Rep. 46). West Lafayette, IN: Purdue University, 1972.
- Thackray, R. I., Jones, K. N., & Touchstone, R. M. Self-estimates of distractibility as related to performance decrement on a task requiring sustained attention. Ergonomics, 1973, 16(2), 141-152.
- Travers, J. R. The effects of forced serial processing on identification of words and random letter strings. Cognitive Psychology, 1973, 5(2), 109-137.
- Tversky, A., & Kahneman, D. Judgment under uncertainty: Heuristics and biases. Catalog of Selected Documents in Psychology, 1975, 5, 182.
- Ward, W. C. Individual differences in information processing units (RB 73-70). Princeton, NJ: Educational Testing Service, 1973.
- Weimer, W. B., & Palermo, D. S. (Eds.). Cognition and the symbolic processes. Hillsdale, NJ: Lawrence Erlbaum Associates, 1974, 450.
- Wyer, R. S. Cognitive organization and change: An information processing approach. Potomac, MD: Lawrence Erlbaum Associates, 1974, 502.

## IX. Reaction Time

- Alegna, J., & Delhaye-Rimbaux, M. Sequential effects of foreperiod duration and conditional probability of the signal in a choice reaction time task. Acta Psychologica, 1975, 39(5), 321-328.
- Baddeley, A. D., & Ecob, J. R. Reaction time and short-term memory: Implications of repetition effects for the high-speed exhaustive scan hypothesis. Quarterly Journal of Experimental Psychology, 1973, 25(2), 229-240.
- Bamber, D. Reaction times and error rates for judging nominal identity of letter strings. Perception and Psychophysics, 1972, 12(4), 321-326.
- Bamber, D., Herder, J., & Tidd, K. Reaction times in a task analogous to "same"- "different" judgment. Perception and Psychophysics, 1975, 18(5), 321-327.
- Baumgarte, R. R. Reaction time as a function of set size and set relation of information held in long-term memory. Dissertation Abstracts International, 1974, 34(11-B), 5701.
- Briggs, G. E. On the predictor variable for choice reaction time. Memory and Cognition, 1974, 2(3), 575-580.
- Briggs, G. E., Johnsen, A. M., & Shinar, D. Central processing uncertainty as a determinant of choice reaction time. Memory and Cognition, 1974, 2(3), 417-425.
- Bruder, G. A., & Silverman, W. Effects of familiarity and sequence length of analog matches in the simultaneous difference. Journal of Experimental Psychology, 1974, 102(5), 875-880.
- Catlett, R. L. Application of information theory concepts to study work complexity versus operator reaction time (USAMC-ITC-2-73-08). Texarkana, TX: Army Material Command, Intern Training Center, 1973.
- Chatterjie, A. The effect of distraction stress on information processing performance. Behaviometric, 1972, 3(2), 74-83.
- Curtis, D. W., Paulos, M. A., & Rule, S. J. Relation between disjunctive reaction time and stimulus difference. Journal of Experimental Psychology, 1973, 99(2), 167-173.
- Darley, C. F., Klatzky, R. L., & Atkinson, R. C. Effects of memory load on reaction time. Journal of Experimental Psychology, 1972, 96(1), 232-234.
- Durham, R. L., & Sestokas, D. Some problems with reaction time as a measure of memory search. Bulletin of the Psychonomic Society, 1974, 4(5-A), 489-492.
- Gaillard, A. W., & Näätänen, R. Slow potential changes and choice reaction time as a function of interstimulus interval. Acta Psychologica, 1973, 37(3), 173-186.

- Gailanter, E., & Owens, J. A. The independence of the simple reaction time on key force. New York, NY: Columbia University Psychophysics Laboratory, 1974, 12.
- Geller, E. S. Preceding prediction outcome and prediction outcome probability: Interacting determinants of choice reaction time. Journal of Experimental Psychology, 1974, 103(3), 426-430.
- Geller, E. S. Prediction outcome of a response-irrelevant stimulus as a determinant of choice reaction time. Journal of Experimental Psychology, 1974, 103(3), 546-552.
- Geller, E. S., & Whitman, C. P. Prediction outcome and choice reaction time: A memory-dependent relationship. Journal of Experimental Psychology, 1972, 96(2), 334-337.
- Glass, A. L., Cox, J., & LeVine, S. J. Distinguishing familiarity from list search responses in a reaction time task. Bulletin of the Psychonomic Society, 1974, 4(2-A), 105-108.
- Grice, G. R., Hunt, R. L., Kushner, B. A., & Morrow, C. Stimulus intensity, catch trial effects, and the speed-accuracy tradeoff in reaction time: A variable criterion theory interpretation. Memory and Cognition, 1974, 2(4), 758-770.
- Grice, G. R., Hunt, R. R., Kushner, B. A., & Nullmeyer, R. Associative processes and strategies in disjunctive reaction time. Memory and Cognition, 1976, 4(4), 433-445.
- Hacker, M. J., & Hinrich, J. V. Multiple predictions in choice reaction time: A serial memory scanning interpretation. Journal of Experimental Psychology, 1974, 103(5), 999-1005.
- Hawkins, H. L., Locus of the relative frequency effect in choice reaction time. Journal of Experimental Psychology, 1973, 101(1), 90-99.
- Henriksen, K., & Holmes, J. D. Ready-signal effects as a function of experimental design in simple reaction time. Memory and Cognition, 1973, 1(2), 141-142.
- Howell, P., & Stockdale, J. E. Memory and display search in binary classification reaction time. Perception and Psychophysics, 1975, 18(6), 379-388.
- Johnsen, A. M., & Briggs, G. E. On the locus of display load effects in choice reactions. Journal of Experimental Psychology, 1973, 99(2), 266-271.
- Kirby, N. H. Sequential effects in an eight choice serial reaction time task. Acta Psychologica, 1975, 39(3), 205-216.
- Kirby, N. H. Sequential effects in two-choice reaction time: Automatic facilitation or subjective expectancy? Journal of Experimental Psychology, 1976, 2(4), 567-577.

- Lively, B. L. Speed/accuracy trade off and practice as determinants of stage durations in a memory-search task. Journal of Experimental Psychology, 1972, 96(1), 97-103.
- Meyers, L. S., Schoenborn, D., & Clark, G. M. Memory and encoding in a letter-matching reaction time task. Bulletin of the Psychonomic Society, 1975, 5(1), 41-42.
- Moscovitch, M. Reaction time studies assessing the verbal behavior of the minor hemisphere in normal right-handed adult humans. Dissertation Abstracts International, 1972, 33(4-B), 1824.
- Nydegger, R. V. Information processing complexity and leadership status. Journal of Experimental Social Psychology, 1975, 11(4), 317-328.
- Raouf, A. Practice effect on response time in a choice-reaction experiment. Studia Psychologica, 1976, 18(2), 178-180.
- Rychta, T. Effects of knowledge of results on simple reaction time. Polish Psychological Bulletin, 1973, 4(1), 23-25.
- Seamon, J. G. Serial position effects in probe recall: Effect of rehearsal on reaction time. Journal of Experimental Psychology, 1972, 96(2), 460-462.
- Snodgrass, J. G. Reaction times for comparisons of successively presented visual patterns: Evidence for serial self-terminating search. Perception and Psychophysics, 1972, 12(4), 364-372.
- Solso, R. L. Information processing and cognition: The Loyola Symposium. Hillsdale, NJ: Lawrence Erlbaum Associates, 1975, 438.
- Teichner, W. H., & Krebs, M. J. Predicting human performance IV: Choice reaction time (ONR TR-72-2). Las Cruces, NM: New Mexico State University, Office of Naval Research, 1972.
- Theios, J. Reaction time measurements in the study of memory processes: Theory and data. In G. H. Bower (Ed.), The psychology of learning and motivation: Advances in research and theory: VII. New York, NY: Academic Press, 1973, 370.
- Thomas, E. A. A note on the sequential probability test. Psychometrika, 1975, 40(1), 107-111.
- Townsend, J. T., & Roos, R. N. Search reaction time for single targets in multiletter stimuli with brief visual displays. Memory and Cognition, 1973, 1(3), 319-332.
- Walker, E. C., & Pettijohn, D. O. A versatile electronic switch with memory. Behavior Research Methods and Instrumentation, 1973, 5(5), 403-404.

**END**

**FILMED**

4-86

**DTIC**