

CURRICULUM VITA

ARNOLD L. GLASS

aglass@rutgers.edu

Psychology Department
Rutgers University
152 Frelinghuysen Road
Piscataway, NJ 08854-8020

PERSONAL:

Date of Birth: March 9, 1951

Place: Newark, New Jersey

EDUCATION:

1968-1971 B.A., Psychology
State University of New York, Buffalo, NY

1971-1975 Ph.D., Psychology,
Stanford University, Stanford, CA

EMPLOYMENT:

1975-1980 Assistant Professor of Psychology
Rutgers University

1980-2004 Associate Professor of Psychology
Rutgers University

1981-1982 Visiting Scholar
Harvard University

1985 Research Health Scientist
Veterans Administration, Honolulu, Hawaii

1997-1998 Visiting Scientist
Medical Research Council Applied Psychology Unit, Cambridge England

1998 Guest Professor & Fulbright Scholar
University of Oslo

2004-present Professor of Psychology
Rutgers University

PROFESSIONAL AFFILIATIONS:

Psychonomic Society

1975 – present Member

Eastern Psychological Association

1975 – 2010 Member

2000 – 2003 Program Committee

2004 – 2010 Executive Officer

2010 – present Fellow & Life Member

Consulting Editor:

1979-1984 Journal of Experimental Psychology: Human Perception & Performance

1986-1989 Journal of Experimental Psychology: General

FELLOWSHIPS and HONORS:

- 1981-1982 James McKeen Cattell Fund Award
 1998 Fulbright Fellowship
 2008 International Psychology Award
 2010 International Psychology Award
 2010 Fellow and Life Member, Eastern Psychological Association
 2012 NAKFI Participant, Conference on the informed brain in the digital world

GRANTS AND SOURCES OF SUPPORT:

- 1975-1976 NIMH: Decision Processes in Semantic Memory; \$1,800
 1976-1977 NIMH: The Verification of Sentences; \$5,000
 1978-1984 NIMH: The Structure of the Lexicon; \$95,187
 1979-1984 NIMH/UMDNJ:
 Semantic Decision-Making in Normal Readers and Dyslexics; \$75,000
 1989-1992 NSF: Syntactic Processing and Grammatical Intuition \$143,858
 2006-2007 Thomson Learning: Development of New Instructional Methods and Materials Using Interactive Technology; \$50,000
 2014-2017 NSF: NeTS: End-User Behavior and Prospect Pricing in Wireless Data Networks
 Award Number: 14071499; PI: Narayan Mandayam, Co-PI: Arnold Glass
 Start and End Dates: 10/1/14-9/30/17, Direct Costs: \$336,572, Rutgers Direct Costs: \$163,428, Total: \$500,000
 2014-2017 NSF: CRISP Type 2: Collaborative Research: Towards Resilient Smart Cities \$2.5M,
 Rutgers: Award Number: 1541069; PI: Narayan Mandayam, Co-PI: Arnold Glass, Co-PI: Janne Lindqvist, Start and End Dates: 1/1/16-12/31/19, Direct Costs: \$632,501
 Rutgers Indirect Costs: \$267,499, Total: \$900,000
 2014-2016 NSF: EAGER: Renewables: Collaborative Research: Foundations of Prosumer-Centric Grid Energy Management \$300,000 Rutgers share: \$100,000.
 Rutgers: Award Number: Award Number: 1549900; PI: Narayan Mandayam, Co-PI: Arnold Glass; Start and End Dates: 9/15/15-8/31/17, Direct Costs: \$64,516, Rutgers Indirect Costs: \$35,484, Total: \$100,000

PUBLICATIONS:

Books:

- Glass, A. L., & Holyoak, K. J. (1986). *Cognition* (2nd Ed), New York: Random House.
 Glass, A. L. (2016). *Cognition: A Neuroscience Approach*, Cambridge, UK: Cambridge University Press.

Book chapters:

- Glass, A. L. (1975). Implications as an alternative to set-inclusion as the semantic primitive. In T. Storer and D. Winter (Eds.), Formal aspects of cognitive processes. Berlin: Springer-Verlag.
 Kosslyn, S. M., Heldmeyer, K., & Glass, A. L. (1980). Where does one part end and another part begin: A developmental study. In F. Wilkening, J. Becker & T. Trabasso (Eds.), Information integration by children. Hillsdale, NJ: Lawrence Erlbaum.

- Glass, A. L. (1983). The effect of memory set in reaction time. In J. R. Anderson and S. M. Kosslyn (Eds.), Tutorials in learning and memory: Essays in honor of Gordon Bower. San Francisco: Freeman.
- Glass, A. L. (1984). The computer as a model of mind. In L. Squire and N. Butters (Eds.) The neuropsychology of memory. New York: Guilford.
- Glass, A. L., & Lian, A. (2007). Evidence of all-or-none learning from a repetition detection task. In M. A. Gluck, J. R. Anderson and Stephen M. Kosslyn (Eds), *Memory and Mind. A Festschrift for Gordon H. Bower*. New York: Lawrence Erlbaum Associates.
- Book Reviews:
- Glass, A. L. (2002). Phenomenology and cognitive science: A diverse look at the issues. *Contemporary Psychology*, 47, 372 – 374.
- Journal Articles:
- Biederman, I., Glass, A., L., & Stacey, E. W. (1973). Searching for objects in real-world scenes. *Journal of Experimental Psychology*, 97, 22-27.
- Biederman, I., Rabinowitz, J., Glass, A. L., & Stacey, E. W. (1974). On the information extracted at a glance from a scene. *Journal of Experimental Psychology*, 103, 597 – 600.
- Glass, A. L., Cox, J., & Levine, S. J. (1974). Distinguishing familiarity from list search responses in a reaction time task. *Bulletin of the Psychonomic Society*, 4, 105-108.
- Glass, A. L., & Holyoak, K. J. (1974). The effect of some and all on reaction time for semantic decisions. *Memory & Cognition*, 2, 436-440.
- Glass, A. L., Holyoak, K. J., & O'Dell, C. (1974). Production frequency and the verification of quantified statements. *Journal of Verbal Learning and Verbal Behavior*, 13, 237-254.
- Darley, C., & Glass, A. L. (1975). The effects of rehearsal and serial list position on recall. *Journal of Experimental Psychology: Human Learning and Memory*, 1, 453-458.
- Holyoak, K. J., & Glass, A. L. (1975). The role of contradictions and counter-examples in the rejection of false sentences. *Journal of Verbal Learning and Verbal Behavior*, 14, 215-239.
- Glass, A. L., & Holyoak, K. J. (1975). Alternative conceptions of semantic memory. *Cognition*, 3, 313-339.
- Holyoak, K. J., Glass, A. L., & Bower, G. H. (1976). Decision processes in semantic memory. *Bulletin de Psychologie*, 92-101.
- Holyoak, K. J., Glass, A. L., & Mah, W. A. (1976). Morphological structure and semantic retrieval. *Journal of Verbal Learning and Verbal Behavior*, 15, 235-247.

- Bower, G. H., & Glass, A. L. (1976). Structural units and the redintegrative power of picture fragments. *Journal of Experimental Psychology: Human Learning and Memory*, 2, 456-466.
- Glass, A. L., Holyoak, K. J., & Kossan, N. E. (1977). Children's ability to detect semantic contradictions. *Child Development*, 48, 279-283.
- Glass, A. L., & Meany, P. J. (1978). Evidence for two kinds of low typical instances in a categorization task. *Memory and Cognition*, 6, 622-628.
- Woocher, F. D., Glass, A. L., & Holyoak, K. J. (1978). Positional discriminability in linear orderings. *Memory and Cognition*, 6, 165-173.
- Holyoak, K. J., & Glass, A. L. (1978). Recognition confusions among quantifiers. *Journal of Verbal Learning and Verbal Behavior*, 17, 249-264.
- Glass, A. L., Holyoak, K. J., & Kiger, J. I. (1979). Role of antonymy relations in semantic judgments. *Journal of Experimental Psychology: Human Learning and Memory*, 5, 598-704.
- Glass, A. L., Eddy, J. K., & Schwanenflugel, P. J. (1980). The verification of high and low imagery sentences. *Journal of Experimental Psychology: Human Learning and Memory*, 6, 692-704.
- Kiger, J. I., & Glass, A. L. (1981). Context effects in sentence verification. *Journal of Experimental Psychology: Human Perception and Performance*, 7, 688-700.
- Eddy, J. K., & Glass, A. L. (1981). Reading and listening to high and low imagery sentences. *Journal of Verbal Learning and Verbal Behavior*, 20, 333-345.
- Kasper, L. F., & Glass, A. L. (1982). The role of the keyword method in the acquisition of Spanish nouns. *Human Learning* 1, 235-250.
- Kasper, L.F. (1983). The effect of linking sentence and interactive picture mnemonics on the acquisition of Spanish nouns by middle school children. *Human Learning*, 2, 141-156.
- Glass, A. L. (1983). The comprehension of idioms. *Journal of Psycholinguistic Research*, 12, 429-442.
- Kiger, J. I., & Glass, A. L. (1983). The facilitation of lexical decisions by a prime occurring after the target. *Memory & Cognition*, 11, 356-365.
- Glass, A. L., Millen, D. R. Beck, L. G., & Eddy, J. K. (1985). Representation of images in sentence verification. *Journal of Memory and Language*, 24, 442-465.
- Glass, A. L. & Butters, N. (1985). The effect of associations and expectations on lexical decision making in normals, alcoholics and alcoholic Korsakoff patients. *Brain and Cognition*, 4, 465-476.
- Glass, A. L., & Perna, J. (1986). The role of syntax in reading disability. *Journal of Learning Disabilities*, 19, 354-359.

- Noma, E., & Glass, A.L. (1987). Mass extinction pattern result of chance. *Geological Magazine*, 124, 319-322.
- Warner, J., & Glass, A. L. (1987). Context and distance-to-disambiguation effects in ambiguity resolution: Evidence from grammaticality judgments of garden path sentences. *Journal of Memory and Language*, 26, 714-738.
- Kasper, L. F., & Glass, A. L. (1988). An extension of the keyword method facilitates the acquisition of simple Spanish sentences. *Applied Cognitive Psychology*, 2, 137-146.
- Glass, A. L. & Waterman, D. (1988). Predictions of movie entertainment value and the representativeness heuristic. *Applied Cognitive Psychology*, 2, 173-179.
- Glass, A. L., Krejci, J. & Goldman, J. (1989). The necessary and sufficient conditions for motor learning, recognition and recall. *Journal of Memory, and Language*, 28, 189-199.
- Chaffin, R. & Glass, A.L. (1990). A comparison of hyponym and synonym decision. *Journal of Psycholinguistic Research*, 19, 265-280.
- Glass, A.L. (1992). The law of cognitive structure activation: Interesting, provocative, and premature. *Psychological Inquiry*, 2, 190-191.
- Glass, A.L. (1993). The role of generation in recognition. *Scandinavian Journal of Psychology*, 34, 255-267.
- Lian, A., Glass, A.L., & Raanaas, R.K. (1998). Item specific effects in Recognition Failure: Reasons for rejection of the Tulving-Wiseman Function. *Memory & Cognition*, 26, 692-707.
- Glass, A.L., & Lau, J. (2003). Grammatical intuitions about irregular verb inflections. *American Journal of Psychology*. 116, 51-70.
- Glass, A.L., Lian, A., & Helstrup, T. (2003). Retrieval independence in successive recognition tasks. *Quarterly Journal of Experimental Psychology*, 56(A), 657-684.
- Glass, A.L., Lian, A., & Lau, J. (2004). Detection of repeated trigrams: Evidence of all-or-none learning. *American Journal of Psychology*, 117, 497-515.
- Glass, A.L., Lian, A., & Buyske, S. (2006). Retrieval independence between parts and wholes in successive recognition tasks. *Quarterly Journal of Experimental Psychology*, 59, 136-149.
- Sisti, H., Glass, A.L., & Shors, T. J. (2007). Neurogenesis and the spacing effect: Learning over time enhances memory and the survival of new neurons. *Learning & Memory*, 14, 368-375.
- Glass, A. L., Brill, G., & Ingate, M. (2008). Combined online and in- class pre-testing improves exam performance in general psychology. *Educational Psychology* 28, 483 - 503.

- Brill, G. A., Glass, A. L., & Rashid, H. & Hussey E. (2008). Visual identity and uncertainty in repetition blindness. *American Journal of Psychology*, 121, 409-449.
- Glass, A. L. (2009). The effect of distributed questioning with varied examples on exam performance on inference questions. *Educational Psychology* 29, 831 – 848.
- Glass, A. L. & Sinha, N. (2012). Providing the answers does not improve performance on a college final exam. *Educational Psychology*, 32,1 – 32.
- Glass, A. L., Ingate, M., & Sinha, N. (2013). The Effect of a Final Exam on Long-term Retention. *Journal of General Psychology*, 140, 224 – 241.
- Glass, A. L. & Sinha, N. (2013). Multiple-Choice Questioning Is an Efficient Instructional Methodology That May Be Widely Implemented in Academic Courses to Improve Exam Performance. *Current Directions in Psychological Science* 22, 471 – 477. doi: 10.1177/0963721413495870
- Sinha, N., & Glass, A. (2015). Delayed, but not Immediate, Feedback after Multiple-Choice Questions Increases Performance on a Subsequent Short-Answer, but not Multiple-Choice, Exam: Evidence for the Dual-Process Model of Memory. *Journal of General Psychology*, 142, 118 - 134. DOI: 10.1080/00221309.2015.1024600
- Yang, Mandayam, N., Park, L. T., Seskar, I., Glass, A. & Sinha, N. (2015). Prospect pricing in cognitive radio networks. *IEEE Transactions on Cognitive Communication and Networking*, *IEEE Transactions on Cognitive Communications and Networking*, 1, 56 -70.
- Saad, W., Glass, A., Mandaym, N. & Poor, V. (2016). Towards a user-centric grid: A behavioral perspective. *Proceedings of the IEEE*, in press.