

Allen Joel Neuringer
Professor of Psychology

Academic Degrees:

B. A. (summa cum laude), Columbia College (1962)
Ph.D., Harvard University (1967)

Fellowships and Grants:

Principal Investigator, National Institute of Mental Health Research Grant MH 068259
(2004-2008)

Principal Investigator, National Science Foundation Research Grant #IBN-9317923,
"Reinforcement and Control of Behavioral Variability" (1994-1998)

Principal Investigator, Medical Research Foundation Grant, "Learning, Mental Health,
and Controlled Variability" (1992-1994)

Principal Investigator, National Science Foundation Research Grant #BNS-
8707992, "Reinforcement and Control of Behavioral Variability" (1987-1991)

Project Director, National Science Foundation College Science Instrumentation Grant
#CSI-8551632, "Core

Reasons to respond randomly. In Zentall, T. & Wasserman, E. (Eds.) *Comparative Cognition: Experimental Explorations of Animal Intelligence*. Oxford University Press, in press. (Jensen, G., Miller, C., & Neuringer, A.)

Reinforced variability in animals and people. *American Psychologist*, 2004, 59, 891-906.

Reinforced variability decreases with approach to reinforcers. Journal of Experimental Psychology: Animal Behavior Processes, 1996, 22, 497-508. (Cherot, C., Jones, A. & Neuringer, A.)

Behavioral variability in SHR and WKY rats as a

Effects of ethanol on reinforced variations and repetitions by rats under a multiple schedule. Journal of the Experimental Analysis of Behavior, 1990, 54, 1-12 (Cohen, L., Neuringer, A., & Rhodes, D.)

Aversive and neutral punishers produce autonomic and performance differences in a human learning task. Biological Psychology. 1990, 30, 203-217 (Balaban, M. T., Rhodes, D. L., and Neuringer, A.)

Personal paths to peace. Behavior Analysis and Social Action, 1988, 6, 51-56.

Response sequence learning as a function of primary versus conditioned reinforcement. Animal Learning and Behavior, 1988, 16, 8-14. (Luck, S., Colgrove.,

- Social learning by following: An analysis. Journal of the Experimental Analysis of Behavior, 1977, 27, 127-135 (Bullock, D. & Neuringer, A.).
- Autoshaping as a function of prior food presentations. Journal of the Experimental Analysis of Behavior, 1976, 26, 463-469 (Downing, K. & Neuringer, A.).
- Group behavior of rats under schedules of reinforcement. Journal of the Experimental Analysis of Behavior, 1974, 22, 311-321 (Grott, R. & Neuringer, A.).
- Learning by following a food source. Science, 1974, 184, 1005-1008 (Neuringer, A. & Neuringer, M.).
- Pigeons respond to produce periods in which rewards are independent of responding. Journal of the Experimental Analysis of Behavior, 1973, 19, 39-54.
- Extinction in the presence of free food. Psychonomic Science, 1972, 26, 267-269 (Enkema, S., Slavin, R., Spaeth, C. & Neuringer, A.).
- Responding under discrete-trial fixed-interval schedules of reinforcement. Journal of the Experimental Analysis of Behavior, 1972, 18, 187-199 (Schneider, B. & Neuringer, A.).
- Magnitude estimation of loudness with a minimum 24-h interstimulus interval. Psychonomic Science, 1972, 27, 243-245 (Schneider, B., Neuringer, A. & Ramsey, D. 24-h inters:

Effects of

- University of Sao Paulo, Department of Psychology, Sao Paulo, Brazil, March, 1996, "Short Course on Behavioral Variability"
- University of Sao Paulo, Department of Psychology, Sao Paulo, Brazil, March, 1996, "Self-Experimentation and self-control."
- Northwest Association for Behavior Analysis, Invited Address, Eugene, Oregon, October, 1995, "Behavioral Variability and the Detrimental Effects of Reward."
- Northern California Association for Behavior Analysis, Invited Address, Oakland, California, February, 1994, "Behavioral Variability and Behavior Analysis."
- Association for Behavior Analysis, Plenary Invited Address, Chicago, Illinois, May, 1993, "Behavioral Variability."
- Third International Institute on Verbal Relations, Sao Paulo, Brazil, January, 1989, "Variability and Voluntary Behavior."
- American Psychological Association, Division 25 Invited Address, Atlanta, Georgia, August, 1988. "Behavioral Variability: Chaotic Bases of Learning."
- University of Kansas, Department of Human Development. Pro Seminar Lecturer, October, 1988, "Chaotic Bases of Operant Behavior."
- Association for Behavior Analysis, Nashville, Tennessee, 1987, Invited Address, "Self-Experimentation Revisited."
- Association for Behavior Analysis, Nashville, Tennessee, May, 1987, Invited Address, "Personal Paths to Peace."
- Association for Behavior Analysis, Milwaukee, Wisconsin, 1986, Invited Address, "Operant, Voluntary, and Free."
- University of California, San Diego, June, 1985, "Randomness, operant behavior and human freedom."
- Oregon State University, Corvallis, Oregon, 1985 "Randomness and freedom."
- Johns Hopkins University, Baltimore, Maryland, 1985, "Randomness in pigeons and people."
- Association for Behavior Analysis, Nashville, Tennessee, 1984, Invited Address, "Is variability an operant?"
- Conference on Future Directions in the Experimental Analysis of Behavior, Morgantown, West Virginia, 1983, "Self-experimentation."

Portland State University, Portland, Oregon, 1983, "Self-experimentation:
Methodological concerns."

Lewis & Clark College, Portland, Oregon, 1983, "Self-control and self experimentation."

Society for the Quantitative Analysis of Behavior, May 1999, Chicago, "Learning to Vary and Varying to Learn" (Poster with Alicia Grunow)

Western Conference on Animal Learning and Behavior, January 1999, Winter Park, Colorado. "Functional Variability."

American Psychological Association, August 1998, San Francisco, "Functional Variability: A Symposium." (with Robert Siegler, Pat Stokes, Armando Machado and Edison Manoel.)

Society for Research on Child Development, April 1997, Washington, D.C. "Some Detrimental Effects of Extrinsic Reinforcers." (with A. Donnelly.)

Society for the Quantitative Analysis of Behavior, May 1996, San Francisco, "Reaction time increases as a function of number of choices in pigeons: Hick's law supported." (Poster with C. Vickrey and M. Neuringer.)

Society for the Quantitative Analysis of Behavior, May 1996, San Francisco, "The Aristotle model of operant Qcm BT.rn"

Winter Conference on Animal Learning, Winter Park, Colorado, January 1994. "Choice, Voluntary and Variable."

Winter Conference on Animal Learning, Winter Park, Colorado, January 1993. "Behavior Variability."

Winter Conference on Animal Learning, Winter Park, Colorado, January 1992. "Voluntary Action."

Winter Conference on Animal Learning, Hyde Park Address, Winter Park, Colorado, January 1990. "Behavioral Variability."

Psychonomic Society, Seattle, Washington, November, 1987, "Effects of ethanol injection on fixed vs. variable response patterns in rats" (with Betsy McElroy).

Winter Conference on Animal Learning, Winter Park, Colorado, January, 1987, "Variability, Selection, and the Free Operant."

Winter Conference on Animal Learning, Winter Park, Colorado, January, 1987, "Animal Consciousness."

Winter Conference on Animal Learning, Winter Park, Colorado, January, 1986, "Variability and discrimination."

Psychonomic Society, Boston, 1985, "Learning to respond randomly in pigeons" (with Nathan Wilson).

Radical Behaviorist Retreat V, Lake

Western Psychological Association, Los Angeles, 1975, "Pigeons discriminate Bach from Stravinsky" (with Debra Porter).

Western Psychological Association, Los Angeles, 1975, "Rats prefer unsignalled over signalled reinforcement" (with Jon Schull and Ann Fullerton).

Western Psychological Association, San Francisco, 1974, "Interaction of schedule-induced polydipsia and escape" (with John Penney).

Western Psychological Association, Anaheim, 1973, "Self-control" (with Laura Leviton).

American Psychological Association, Montreal, 1973, "Towards a science of self."

Western Psychological Association, Portland, Oregon, 1972, "If you're not part of the solution, you're part of the problem."

Western Psychological Association, Portland, Oregon, 1972, "Behavior of groups under schedules of reinforcement" (with Robert Grott).

Western Psychological Association, Portland, Oregon, 1972, "Response-independent rewards enhance responding for food" (with Pat Coups and Ned Conner).

Oregon Psychological Association, Portland, Oregon, 1971, "Experiments in education."