

CURRICULUM VITA
PERRIN COHEN
June 2007

Education

Columbia College, New York, Psychology, A.B.	June	1962
Columbia University, New York, Psychology, M.A.	December	1964
Columbia University, New York, Psychology, Ph.D.	May	1967

Research, Teaching, and Clinical Experience

Instructor, Columbia College, Columbia University	July June	1966- 1967
Instructor, Drexel Institute of Technology	Spring	1968
National Institute of Health Postdoctoral Fellow, Institute of Neurological Sciences University of Pennsylvania	September	1967- 1969
Assistant Professor of Psychology, Florida State University	September August	1969- 1973
Associate Professor of Psychology Northeastern University	September	1973-
Clinical Fellow in Psychology, Department of Psychiatry, Harvard Medical School	January	1987- 1990
Director of Northeastern University Center for Advancement of Science Education (NUCASE)	June	1990-2004

Honors/Awards

Danforth Associate (Acknowledgement for Distinguished Teaching)
Frank Costin Award for Excellence. For presentation (with M. Block) at
Annual Institute on the Teaching of Psychology, January, 1990 entitled
"Replacement of Laboratory Animals in an Introductory-level Psychology Course."
Markkula Center for Applied Ethics. NUCASE web page rated as a "very good"
site (1999). Featured Site (2003)

Conference Presentations

Generalization gradients produced by contingent and non-contingent shock. Paper
presented at the Eastern Psychological Association Convention in Atlantic City, NJ,
April, 1965 (with Brett K. Cole).

Response suppression as a function of delay and intensity of punishment. Paper
presented at the Eastern Psychological Association Convention in Boston, MA, April,

1967.

Differential reinforcement of long escape latencies (DRLL) under various shock intensities. Paper presented at the American Psychological Association Convention in San Francisco, CA, September, 1968.

Short-term interference effects of inescapable shocks upon acquisition of subsequent escape-avoidance responding. Paper presented at American Psychological Association Convention, San Francisco, CA (with James A. Smith and Lucille H. Turner).

Interference effects of escapable shock upon subsequent acquisition of escape-avoidance responding. Paper presented at the Psychonomic Society Meeting, St. Louis, November, 1969.

Interference effects of non-contingent shocks upon subsequent acquisition of escape responding in a jump-up box. Paper presented at the Eastern Psychological Association Convention in New York City, April, 1971.

Contingency-Managed Instruction. Colloquium presented at the University of Tilburg, Tilburg, Netherlands, August, 1971.

Contingency-managed instruction with the aid of a computer. Paper presented at a symposium on innovative instruction at the American Psychological Association Convention, Washington, D.C., September, 1971.

Maintenance of schedule-induced attack on a mirror during exposure to multiple FRFR reinforcement schedules. Paper presented at Eastern Psychological Association Meetings, Boston, MA, April, 1972 (with T. A. Looney).

Stimulus control of schedule-induced attack. Paper presented at a symposium on aggression at Southeastern Psychological Association Meetings, Atlanta, GA, April, 1972 (with T. A. Looney).

Pictorial target control of schedule-induced attack. Paper presented at Eastern Psychological Association Meetings, April, 1973, Washington, DC (with T. A. Looney).

A case study in the use of computers to personalize instruction. Paper presented at the 4th Conference on Computers in the Undergraduate Curricula, Institute for Educational Computing, Claremont, CA, June, 1973 (with Nelson J. Towle and Leila R. Cohen).

Sucrose-water preference reversal in the water-deprived rat. Paper presented at Eastern Psychological Association Meetings, Philadelphia, PA, April, 1974.

Conspecific target control of extinction-induced attack, Colloquium presented at Dalhousie University, Halifax, Nova Scotia, Sept. 1975.

The head of a conspecific target selectively controls extinction-induced attack, Eastern Psychological Association Meetings, New York, NY, April, 1976 (with Byron Yoburn and Richard Ball).

Direction and release of schedule-induced aggression in White King pigeons (Columba livia). Paper presented at Animal Behavior Society Meeting, June, 1977, University Park, PA (with Byron Yoburn).

Differential effects of periodic food schedules on drinking and attack in pigeons. Paper presented at Eastern Psychological Association Meeting, March, 1978, Washington DC (with Byron Yoburn).

Temporal dynamics of sucrose preference in water-deprived rats. Invited paper presented at American Psychological Association Symposium on Current Research and Concepts in Animal Incentive Motivation, August, 1978, Toronto, Canada.

Aggression during reproduction in pigeons (Columba livia). Paper presented at the Psychonomic Society Meetings, November, 1978, San Antonio, Texas.

Aggression in Pigeons. Invited paper presented at Eastern Psychological Association Symposium on the Experimental Analysis of Non-Human Social Behavior, Philadelphia, PA, 1979.

Studies of reinforcer-related aggression in pigeons. Colloquium presented at Brown University, December, 1979.

The role of reinforcer intermittency in establishing schedule-induced attack in pigeons. Paper presented at Eastern Psychological Association Meeting, April, 1980, Hartford, Connecticut (with B. Yoburn and F. Campagnoni).

Temporal distribution of attack in pigeons exposed to intermittent water presentation. Paper presented at Eastern Psychological Association Meeting, April, 1980, Hartford, Connecticut (with F. Campagnoni and B. Yoburn).

Is time spent away from reinforcer dispenser analogous to time-out? Paper presented at American Psychological Association Meeting, Los Angeles, CA, August, 1981 (with F. Campagnoni).

A field study of aggression during intermittent social feeding in pigeons. Paper presented at Eastern Psychological Association Meeting, April, 1983, Philadelphia, PA (with R. U. Telson, C. P. Lawler and F. R. Campagnoni).

Ambulation in an open field during intermittent positive reinforcement. Paper presented at Eastern Psychological Association Meeting, April, 1983, Philadelphia, PA (with R. U. Telson).

Adjunctive behavior and the opponent process theory of acquired motivation. Invited

paper presented at Celebration for Richard L. Solomon, Philadelphia, PA, May 27-28, 1983 (with T. A. Looney and F. R. Campagnoni).

Scalar timing and the spatial organization of behavior between reward presentations. Paper presented at Timing and Time Perception Conference sponsored by the New York Academy of Sciences, May 10-13, 1983, New York, NY (with F. R. Campagnoni).

Temporal control of pigeons' attack and locomotor activity between periodic grain presentations. Paper presented at Eastern Psychological Association Meetings, Baltimore, MD, April, 1984 (with Cindy P. Lawler and Frank Campagnoni).

Two-state model of reinforcer-induced motivation. Colloquium given at Northeastern University, May, 1984.

Temporal patterns of schedule-induced licking in rats exposed to periodic reward. Paper presented at Eastern Psychological Association meetings, Boston, 1985 (with C. Lawler).

A two-state model of reinforcer-induced motivation. Paper given at American Psychological Association Meeting, Los Angeles, CA, August, 1985.

Vestigial grooming induced by intermittent positive reinforcement in rats. Paper presented at New York Academy of Sciences Conference on the "Neural Mechanisms and Biological Significance of Grooming Behavior, Oct. 15-17, 1986, N. Y., NY (with Cindy Lawler).

Interval length during initial exposure to intermittent reinforcement affects schedule-induced behaviors in rats. Paper presented at Eastern Psychological Association Meetings, 1987, Arlington, VA (with Cindy Lawler).

Taking science to heart: Experimental psychology and insight meditation practice. Invited talk given at Insight Meditation Center, Cambridge, MA, March, 1987.

Replacement of laboratory animals in an introductory-level psychology course. Presentation at the 12th Annual Institute on the Teaching of Psychology, St. Petersburg Beach, FL, Jan. 3-6 (with M. Block).

Animals and Alternatives in Teaching. Invited workshop at Conference on Animal Research in the 90's: New Regulations and Old Problems. Sponsored by Public Responsibility in Medicine and Research (PRIM&R), Boston, MA, March 1990 (with M. Block).

Animal Issues and Use in the Teaching of Psychology: What Are Our Options? Invited Speaker at the 13th Annual Institute on Teaching of Psychology, St. Petersburg Beach, FL, January 3-6, 1991.

Creating a "safe classroom space" for students' ethical reflection, presented at Eastern Psychological Association Meeting, April, 1992, Boston, MA.

Introductory field experiments in learning & motivation with free-ranging feral pigeons, presented at Eastern Psychological Association Meetings, April, 1992, Boston, MA.

Using personal narratives of scientists for teaching ethical responsibility: A demonstration. American Association for the Advancement of Science. Invited presentation, February, 1993, Boston, MA (with Dr. Block).

Teaching “Moral Authority” in Upper-Level Ethics Seminars. Presented at Lilly Conference on College and University Teaching. Boston, October, 2000.

Cultivating Ethical Awareness at Work: An Integrated Curriculum Model, Cooperative Education and Internship Association Conference, April, 2002, Albuquerque, New Mexico (with Melissa McDaniels and Donna Qualters).

Ethical Awareness at Work: An Integrated Curriculum Model, New England Association for Cooperative Education and Field Experience (NEACEFE), November, 2002, York Harbor, Maine (with Melissa McDaniels and Donna Qualters).

NUCASE: A University-Wide Collaborative for Ethical Inquiry, American Association of Higher Education, March, 2003, Washington, DC (with Melissa McDaniels and Donna Qualters).

Coming Up for Air: Cultivating Ethical Awareness and Sensitivity, POD Conference, October, 2003, Denver CO (with Donna Qualters and Melissa McDaniels).

AIR: A Teaching Tool for Thinking About How to Cultivate Ethical Inquiry, January 2004, Association of American Colleges and Universities, Washington D.C. (with Donna Qualters).

Cultivating Reflective Ethical Inquiry in the Workplace, June, 2004. WACE International Symposium on Work Integrated Learning. Trollhattan, Sweden (with Donna Qualters & Melissa McDaniels)

Illuminating Ethical Leadership: Faculty and Administrative Roles, RTM Institute for Leadership, Ethics & Character, Oct 7, 2005, Atlanta, GA. (with Donna Qualters)

Practicing Reflective Ethical Leadership in Academia, American Association of Colleges and Universities “Network for Academic Renewal Conference”, Nov 9-11, 2006, Chicago, Illinois (with D. Qualters)

Neuroscientists as Ethical Practitioners, NEURON, 11th annual Conference, Boston MA, March 3, 2007,

Research Ethics Programs

AIR: An Adaptive Strategy for Meeting Ethical Challenges in Nanoscience, NSF program for post docs, graduate students, and undergraduates. Center for High Rate Nanomanufacturing, , Northeastern University June 23, 2005.

Publications

Frequency and latency measures of the generalization of punishment. *Psychonomic Science*, 1965, 2, 321-322 (with Eugene Winograd and Brett K. Cole).

Punishment: the interactive effects of delay and intensity of shock. *Journal of the Experimental Analysis of Behavior*, 1968, 11, 789-799.

DRL Escape: effects of minimum duration and intensity of electric shock. *Journal of the Experimental Analysis of Behavior*, 1970, 13, 41-50.

Interference effects of escapable shock upon the subsequent acquisition of escape-avoidance responding. *Journal of Comparative and Physiological Psychology*, 1970, 71, 484-486.

Retardation of jump-up escape responding in rats pretreated with different frequencies of non-contingent electric shock. *Journal of Comparative and Physiological Psychology*, 1972, 78, 317-322 (with T. A. Looney).

Sucrose-water preference reversal in the water-deprived rat. *Journal of Comparative and Physiological Psychology*, 1972, 79, 254-258 (with F. K. Tokieda).

Schedule-induced mirror responding in the pigeon. *Journal of the Experimental Analysis of Behavior*, 1973, 19, 359-408 (with T. A. Looney).

Suppression and recovery of mouse-killing in rats following immediate lithium-chloride injections. *Bulletin of the Psychonomic Society*, 1973, 1, 250-252 (with M. O'Boyle and T. A. Looney).

Computer-generated tests for a student-paced course. *Educational Technology*, 1973, 13, 18-19 (with L. R. Cohen).

Mirror control of responding on fixed-ratio schedules in pigeons. *Bulletin of the Psychonomic Society*, 1974, 4, 113-115 (with T. A. Looney).

Pictorial target control of schedule-induced attack in White Carneaux pigeons. *Journal of the Experimental Analysis of Behavior*, 1974, 21, 571-584 (with T. A. Looney).

Access Rate as a determinant of sucrose or water preference in water deprived rats. *Physiology and Behavior*, 1975, 14, 383-386 (with J. Weir and M. Granat).

An inexpensive random-access projector for rapid presentation of pictorial images. *Journal of the Experimental Analysis of Behavior*, 1976, 26, 131-134 (with T. A. Looney and B. Yoburn).

Variables affecting establishment of schedule-induced attack on pictorial targets in White King pigeons. *Journal of the Experimental Analysis of Behavior*, 1976, 26, 349-360 (with T. A. Looney and B. Yoburn).

Conditional discrimination performance by pigeons on a response-independent procedure. *Journal of the Experimental Analysis of Behavior*, 1977, 27, 363-370 (with T. A. Looney, L. R. Cohen, and J. H. Brady).

Assessment of attack and drinking in pigeons on time-dependent food schedules. *Journal of the Experimental Analysis of Behavior*, 1979, 31, 91-101 (with B. Yoburn).

Visual Target Control of schedule-induced aggression in White King pigeons (Columba livia). *Aggressive Behavior*, 1979, 5, 291-307 (with B. Yoburn, R. Pennington and R. Ball).

Modulation of aggression toward an intruder during the reproductive cycle of White King pigeons (Columba livia). *Aggressive Behavior*, 1979, 5, 375-387 (with R. Pennington and B. Yoburn).

Schedule-induced attack in feral pigeons (Columba livia). *Psychonomic Science*, 1979, 13, 7-8 (with B. Yoburn).

The role of intermittent food in the induction of attack in pigeons. *Journal of the Experimental Analysis of Behavior*, 1981, 36, 101-117 (with B. Yoburn and F. Campagnoni).

Organization of attack and other behaviors of White King pigeons exposed to intermittent water presentations, *Animal Learning and Behavior* 1981, 9, 491-500 (with B. Yoburn and F. R. Campagnoni).

Aggression induced by intermittent positive reinforcement. Invited manuscript *Biobehavioral Reviews*, 1982, 6, 15-37 (with T. Looney).

Induction by reinforcer schedules. *Journal of the Experimental Analysis of Behavior*, 1984, 41, 345-353 (with T. Looney).

Scalar timing and the spatial organization of behavior. *Annals of the New York Academy of Science*, 1984, 423, 585-587 (with F. R. Campagnoni).

A two-state model of reinforcer-induced motivation. In *Affect, Conditioning and Cognition*, F. R. Brush & J. B. Overmier (Eds.). Lawrence Erlbaum Associates, Inc., Publishers, 1985 (with T. A. Looney, F. R. Campagnoni, & C. P. Lawler).

Temporal patterns of reinforcer-induced general activity and attack in pigeons. *Physiology and Behavior*, 1986, 37, 577-582 (with F. R. Campagnoni & C. P. Lawler).

Vestigial grooming induced by intermittent positive reinforcement. *Annals of the New York Academy of Science*, 1988, 525, 417-419 (with Cindy Lawler).

The nature and determinants of spatial retreat in pigeons between periodic grain presentations, *Animal Learning and Behavior*, 1989, 17, 39-48.

Use of animals in behavioral science education. Invited paper for anniversary issue of *Alternatives to Laboratory Animals (ATLA)* 1990, 18, 51-56 (with M. Block).

Replacement of Laboratory Animals in an Introductory Psychology Laboratory. *Humane Innovations and Alternatives*, 1991, 5, 221-225, (with M. Block).

Taking Science to Heart: A Personal Ethic for Responsible Science. *Ethics and Behavior*, 1994, 4, 59-67.

Mindful Science, *The Mindfulness Bell*, 1994, 11, p. 12.

A Field-Based Alternative for Teaching the Psychology of Animal Learning and Motivation, submitted to *ATLA* (with M. Block).

<http://www.casdn.neu.edu/~nucase/library/cohenandblock.html>

AIR: A Teaching Tool for Cultivating Reflective Ethical Inquiry. *College Teaching*, 2005, 54, #3, 120-127 (with Melissa McDaniels and Donna Qualters).

Ethical Leadership: The AIR Model Empowers Moral Agency, *Journal of Human Values*, 2007, 13 #2 (with Donna Qualters)

A Practitioner Model for Ethical Leadership, *Academic Leader*, June, 2007, 23, #6

Fellowships and Grants

Principal Investigator:

NIH post-doctoral fellowship, 1967-1969.

Attack induced by "Thwarting" and Reproduction, NIMH Research Grant, 1975-78.

Early Experience and Fluid Preference, NIMH Grant, 1975-76.

Improving University-Wide Animal Care. NIH (1980-82).

Aggression in open and closed food economics proposal, NIH (1980-81).

Replacement of Laboratory Animals in an Introductory Laboratory, NSF (1990-92).

Replacement of Laboratory Animals in an Introductory-Level Psychology Laboratory Course: A Validation Study, International Foundation for Ethical Research (1991-92).

Grant Participant:

NIMH: Training Basic Researchers with Emphasis on Minorities
NSF: New England Nanomanufacturing Center for Enabling Tools

**NUCASE – Northeastern University Ethics Education Center
Director 1990-2004**

Conference

Use of Animals in Psychology, Animal Behavior and Neuroscience Courses: Personal Concerns and Innovative Teaching. Henderson House, Weston, MA, May, 1990.

Public Interviews on Ethics in Scientific Practice

This was a series of three public interviews of scientists by Professor Arnold Arluke, Department of Sociology/Anthropology, Northeastern University. Each interview was videotaped and is currently being edited for classroom use.

- o Professor Eliot Stellar, University of Pennsylvania Medical School, May 9, 1991, on use of animals in biomedical research and teaching.
- o Professor Jonathan Beckwith, Harvard Medical School, February 27, 1992, on social and political implications of genetic research and its uses.
- o Professor Helen Davies, University of Pennsylvania Medical School, on April 30, 1992, on issues of women and people of color in the biomedical sciences.

Lecture Series

Responsible Science--Admirable Scientists. Prof. Bill Puka, Rensselaer Polytechnic Institute, November 20, 1992.

Science and Religion. Shree Chitrabhanu, April 25, 1994.

Curriculum Development

Developed two Psychology Department courses on Ethical Inquiry: Ethics in Psychology, PSY 1610, and Ethics in Research Psychology, PSY 3193.

Editorial and Board Responsibilities

Editorial Board--*Journal of Applied Animal Welfare Science*, 1996--

Editorial Board, *Journal of the Experimental Analysis of Behavior*, 1974-77, 1978-81

Guest Reviewer-

Aggressive Behavior, Behavior Research Methods and Instrumentation, Journal of Comparative and Physiological Psychology, Journal of Applied Behavior Analysis, Learning and Motivation, National Science Foundation, Science, Ethics & Behavior

Other Administrative Responsibilities

Coordinator of Undergraduate Program, Psychology Department, Northeastern

University, 1984--1986.
Arts & Sciences Curriculum Committee, Northeastern University, 1985-86, 1989-1991.
University-wide Animal Care Committee 1975--1982.
Arts & Sciences College Council, 1987--1991.
Provost's Ethics Committee, 1997-1999
University Spiritual Life Committee 1997-2004
Psychology Experiential Education Advisor 1998-

Theses Supervised

Thomas A. Looney. The effects of frequency of noncontingent electric shocks upon subsequent acquisition of escape responding in a jump-up box. M.A. thesis, Florida State University, 1971.

Thomas A. Looney. Subject-produced time-outs from fixed-interval schedules of positive reinforcement, Ph.D. dissertation. Florida State University, 1973.

Michael O'Boyle. Conditioned suppression of mouse-killing in rats following radiation or lithium chloride injections. Ph.D. dissertation, Florida State University, 1974.

Byron C. Yoburn. Induction of attack in White King Pigeons by intermittent reinforcement. Ph.D. dissertation, Northeastern University, 1979.

Rohe Pennington. Modulation of aggression toward an intruder during the reproductive cycle of White King Pigeons. M.A. thesis, Northeastern University, 1978.

F. R. Campagnoni. Organization of attack and other behaviors of White King pigeons exposed to intermittent water presentation. M.A. thesis, Northeastern University, 1980.

F. R. Campagnoni. The nature and determinants of spatial retreat in the pigeon between periodic reward presentations. Ph.D. dissertation, Northeastern University, 1985.

Cindy P. Lawler. Topographic and temporal patterns of reinforcer-induced behaviors in rats exposed to periodic reward. Ph.D. dissertation, Northeastern University, 1987.

Cindy P. Lawler. Schedule-induced aggression within an open food economy in White King Pigeons. M.A. thesis, Northeastern University, 1983.

Ellen M. Veccia. The measurement of schedule-induced behavior in humans on a production task. M.A. thesis, 1987.