

Peter Gray, Curriculum Vitae, May, 2008, (Concise Version)

Current Position and Address:

Research Professor, Department of Psychology, Boston College, Chestnut Hill, MA 02167.
Home address: 340 S. Quinsigamond Ave. Shrewsbury, MA 01545. 508-753-1797.
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Education: Cabot High School, Cabot, VT. Valedictorian. Columbia College, New York, NY. Psychology major. Phi Beta Kappa. Magna cum Laude. The Rockefeller University, New York, NY. Ph. D. in Biological Sciences, June, 1972. Work done in Neal Miller's laboratory of physiological psychology. Areas of examination were psychology and animal behavior, general physiology, and neurobiology.

Academic Positions:

The City University of New York. Adjunct Lecturer in Psychology, 1970-71.
The Rockefeller University. Guest Investigator in Physiological Psychology, 1972.
Boston College, Department of Psychology Faculty, 1972-present (Retired as Full Professor in 2002; Research Professor 2002-present.)
Book Review Editor for Human Ethology Bulletin. 2002-2006.

Administrative Positions:

Director of the Rockefeller University Summer Biology Program, 1969.
Director of NIMH-supported project to study the cue value of hormones, 1973-1975.
Chair of the Boston College Psychology Department, 1978-1980.
Director of National Science Foundation CAUSE project to develop laboratories and undergraduate practicum courses in psychology at Boston College, 1977-1981.
Director of the Graduate Program in Psychology at Boston College, 1987-1989.
Trustee, The Sudbury Valley School, Framingham, MA, 1984-present.
Director of Undergraduate Program in Psychology at Boston College, 1993-1995.

Areas of Academic Specialization:

Evolutionary psychology. (Especially as applied to exploration and play.)
Developmental psychology and learning. (Intrinsic motivation, self-directed learning, and play).
General psychology. (Author of an introductory psychology textbook and associated instructional materials.)
Behavioral biology. (Physiology of motivational mechanisms).

Publications in General Psychology:

Peter Gray. Psychology. (An introductory psychology textbook) New York: Worth Publishers, 1991.
Peter Gray. Psychology, 2nd Edition. New York: Worth Publishers, 1994.
Peter Gray, with T. Osberg, B. Thompson, & M. Munger. Instructor's Resources Manual to Accompany Peter Gray's Psychology, 2nd Edition. New York: Worth, 1994.
Peter Gray. Psychology, 3rd Edition. New York: Worth Publishers, 1999.
Peter Gray, with T. Osberg, B. Thompson, & M. Munger. Instructor's Resources Manual to Accompany Peter Gray's Psychology, 3rd Edition. New York: Worth, 1999.
Peter Gray. Psychology, 4th Edition. New York: Worth Publishers, 2002.
Peter Gray. Psychology, 5th Edition. New York: Worth Publishers, 2007.

Publications in Developmental Psychology and Education:

Peter Gray and David Chanoff. When play is learning: A school designed for self-directed education. Phi Delta Kappan, 65, 608-611, 1984.
Peter Gray. Sudbury Valley students thrive in a setting founded on democratic principles. Changing Schools, 13, Issue 2, 3-5, 1986.
Peter Gray and David Chanoff. Democratic schooling: What happens to young people who have charge of their own education? American Journal of Education, 94, 182-213, 1986.
Peter Gray. Engaging students' intellects: The immersion approach to critical thinking in psychology instruction. Teaching of Psychology, 20, 68-74, 1993.
Peter Gray. Book reviews in duplicate: The author speaks Teaching of Psychology, 20, 50-51, 1993.

- Peter Gray. The freedom to learn. The Washington Post Education Review, pp 25-26, Oct. 31, 1993. (An invited article.)
- Peter Gray. Using evolution by natural selection as an integrative theme in psychology courses. APS Observer, May/June, pp. 26-27 & 37, 1996. (An invited article.)
- Peter Gray. Incorporating Evolutionary theory into the teaching of psychology. Teaching of Psychology, 23, 207-214, 1996.
- Peter Gray and Jay Feldman. Patterns of age mixing and gender mixing among children and adolescents at an ungraded democratic school. Merrill-Palmer Quarterly, 43, 67-86, 1997.
- Peter Gray. Teaching is a scholarly activity. pp. 49-64, In R. J. Sternberg (Ed.), Teaching introductory psychology: theory and practice. APA Press. (An invited chapter.) 1997.
- Jay Feldman and Peter Gray. Some educational benefits of freely chosen age mixing among children and adolescents. Phi Delta Kappan, 80, 507-512. 1999.
- Peter Gray. Using evolution by natural selection as an integrative theme in psychology courses. In Perlman, B., McCann, L. I. & McFadden, S. H. (Eds.) Lessons learned: Practical advice for the teaching of psychology. Washington, DC: The American Psychological Society. 1999.
- Peter Gray. Incorporating evolutionary theory into the teaching of psychology. In M. R. Hebel, C. L. Brewer, L. T. Benjamin (Eds.), Handbook for teaching introductory psychology, Vol. II. Mahway, NJ: Erlbaum. 2000.
- Peter Gray. Review of Glenn Weisfeld's "Evolutionary Principles of Human Adolescence." Human Ethology Bulletin, 16, 14-15. 2001.
- Peter Gray. Review of Thomas Power's "Play and exploration in children and animals." Human Ethology Bulletin, 17 (4), 7-9. 2002.
- Peter Gray. Review of Robert Mitchell's "Pretending and imagination in animals and children." Human Ethology Bulletin 18 (4), 10-11. 2003.
- Peter Gray and Jay Feldman. Playing in the Zone of Proximal Development: Qualities of Self-Directed Age Mixing Between Adolescents and Young Children at a Democratic School. American Journal of Education, 110, 108-145. 2004.
- Peter Gray. Using evolutionary theory to promote critical thinking in psychology courses. In B. Perlman, L. I. McCann, & W. Buskist (Eds.) Voices of Experience: Memorable Talks from the National Institute on the Teaching of Psychology, Volume 1. Washington D. C.: The American Psychological Society. 2005.
- Peter Gray. Nature's powerful tutors: The educative functions of free play and exploration. Eye on Psi Chi, 12 (#1), 18-21. 2007.
- Peter Gray. The value of age-mixed play. Education Week, April 16, 2008.
- Peter Gray. The value of Psychology 101 in liberal arts education: A psychocentric theory of the university. APS Observer, *In press*, 2008. [An invited article.]

Publications in Behavioral Biology:

- Bruce Pappas and Peter Gray. Cue value of dexamethasone for fear-motivated behavior. Physiology and Behavior, 6, 127-130, 1970.
- Peter Gray. Pituitary-adrenocortical response to stress in the neonatal rat. Endocrinology, 89, 1126-129, 1971.
- Jay M. Weiss and Peter Gray. Hormones and avoidance behavior: A different approach points to a role for mineralocorticoids. Progress in Brain Research, 39, 471-480, 1973.
- Peter Gray. Effect of adrenocorticotrophic hormone on conditioned avoidance in rats interpreted as state-dependent learning. Journal of Comparative and Physiological Psychology, 88, 281-284, 1975.
- Peter Gray. Effect of prestimulation on avoidance responding in rats, and hormonal dependence of the effect. Journal of Comparative and Physiological Psychology, 90, 1-17, 1976.
- Peter Gray, Jolane Solomon, Marilyn Dunphy, Frances Carr, and Michael Hession. Effects of lithium on open field behavior in "stressed" and "unstressed" rats. Psychopharmacology, 48, 277-281, 1976.
- Peter Gray. Effect of the estrous cycle on conditioned avoidance in mice. Hormones and Behavior, 8, 235-241, 1977.
- Peter Gray. Correlation between estrus and reduced light avoidance in mice. Hormones and Behavior, 10, 277-284, 1978.
- Peter Gray and John Cooney. Stress-induced responses and open-field behaviors in estrous and nonestrous mice. Physiology and Behavior, 29, 287-292, 1982.

- Peter Gray and Shelley Chesley. Development of maternal behavior in nulliparous rats: Effects of sex and early maternal experience. Journal of Comparative Psychology, 98, 91-99, 1984.
- Peter Gray and Philip J. Brooks. Effect of lesion location within the medial preoptic-anterior hypothalamic continuum on maternal and male sexual behaviors in female rats. Behavioral Neuroscience, 98, 703-711, 1984.
- Peter Gray. Review of Melvin Konner's "The tangled wing: Biological constraints on the human spirit." Human Ethology Bulletin, 17 (2), 14-16. 2002.
- Peter Gray. Review of Tiffany Field's "Touch." Human Ethology Bulletin, 19 (2), 14-15. 2004.
- Peter Gray. Misuse of evolutionary theory to advocate for racial discrimination and segregation: A critique of Salter's *On Genetic Interests*. Human Ethology Bulletin, 20 (2), 10-13. 2005.

Invited Addresses and Colloquia (Includes only 1991 – present):

- Techniques for engaging students' intellects. Invited address to the British Columbia Psychology Articulation Meeting, May 14, 1991.
- Teaching students to question. Invited address, given twice, at the Fourteenth National Institute on the Teaching of Psychology, Jan. 3 & 4, 1992.
- The immersion approach to critical thinking in psychology instruction. Invited guest address, the Southwestern Psychological Association, 39th Annual Meeting, April 9, 1993.
- The immersion approach to critical thinking in college teaching. University lecture, University of Wisconsin at Eau Claire, Nov. 5, 1993.
- Toward an ecological theory of education. Colloquium based on research at Sudbury Valley School, Department of Psychology, Western Ontario University, Jan. 17, 1992.
- A functional analysis of play. Colloquium, Department of Psychology, The University of New Mexico, Oct. 1, 1992.
- Engaging students' intellects. A colloquium presented to faculty and graduate students in psychology departments at: (a) Queens University (Canada), Jan, 1992; (b) University of New Mexico, Oct. 1, 1992; (c) University of Minnesota, Feb. 12, 1993; & (d) Ohio State University, Sept., 1994.
- An idea-based, question-based approach to psychology instruction. Invited address at a regional workshop on the teaching of psychology sponsored by the University of Cincinnati, April, 1994.
- Incorporating evolutionary theory into psychology instruction. Invited address delivered to the Seventeenth National Institute on the Teaching of Psychology, Jan., 1995.
- Stimulating critical thought in the introductory psychology course. Talk delivered to faculty and graduate students at the University of Tennessee, March, 1995.
- A functional analysis of play and the value of age mixing. Colloquium given at (a) Department of Psychology at Brandeis University, Feb., 1995, (b) Department of Psychology and Psi Chi, The University of Tennessee, March, 1995; Department of Psychology, University of Houston, April, 1997.
- Teaching is a scholarly activity. Plenary address (75 minutes, invited) at preconference teaching workshop, national meeting of the American Psychological Society, Washington, D. C., May, 1998.
- Some basic principles of college teaching. Colloquium on teaching at Ohio State University, Oct., 1998.
- Play and exploration: Insights from an evolutionary analysis. Colloquium at Department of Psychology, The University of Maine, Orono, Nov. 9, 1998.
- Beyond the nurture assumption: How children create their selves. Invited address to the Boston Ethical Society. Jan. 24, 1999.
- An evolutionary analysis of animal and human play. Invited address to the Harvard/MIT Seminar on Evolutionary Psychology. April 14, 1999.
- Appreciating human nature: A Darwinian perspective on the future of psychology. Invited University Lecture, University of Alberta, Oct. 21, 1999.
- The educative value of free age mixing among children and adolescents. Colloquium to Psychology Department, University of Alberta, Oct. 22, 1999.
- The educative functions of play and the value of age mixing. Invited address to undergraduate psychology students, University of Houston, Nov. 22, 1999.
- The educative functions of children's play: A Darwinian analysis. Intramural colloquium to Psychology Department, Boston College, Dec. 3, 1999.
- How to engage students' interest, involvement, and intelligence. Plenary address at National Institute on the Teaching of Psychology. Saint Petersburg, Florida. January 2, 2000.
- Evolution by natural selection as an integrative theme in psychology. Colloquium, Department of Psychology, University of New Mexico. Oct. 20, 2000.

An evolutionary analysis of play. Lecture for undergraduates at (a) Columbia University (April, 2000); (b) University of New Mexico (Oct., 2000), and Yale University (Nov., 2000).

The educative functions of play: A Darwinian perspective. Invited address to the annual meeting of the Eastern Psychological Association. March 9, 2002.

Evolution by natural selection as a unifying theme in introductory psychology. Invited address to the annual meeting of the American Psychological Society. June 6, 2002.

Age-mixed play: A natural foundation for education. Conference of the International Society for Human Ethology, Ghent, Belgium. August 28, 2004.

Nature's powerful tutors: The educative functions of free play and exploration. Psi Chi distinguished address at Southwestern Psychological Association Conference, Fort Worth, Texas, April 6, 2007. Similar address also given as colloquia or lecture at (a) Brigham Young University, Oct. 30, 2006; (b) University of California at San Diego, Oct. 31, 2006; (c) Loyola Marymount University, Los Angeles, Nov. 2, 2006; (d) University of California at Los Angeles, Nov. 3, 2006; (e) University of Houston, Nov. 9, 2006; (f) University of Nebraska at Reno, April 23, 2007; and University of California at Berkeley, April 25, 2007.

Ideas about teaching. Led discussion for graduate students and faculty at (a) Brigham Young University, Oct. 30, 2006; Loyola Marymount University, Nov. 2, 2006; and (b) University of California, Berkeley, April 25, 2007.

The value of Psych 101 for liberal arts education. National Institute of the Teaching of Psychology. Saint Petersburg, Florida, January 4 and 5, 2008.

Applying evolutionary psychology to questions of child development. Plenary address. New England Evolutionary Psychology Society Conference. May 3, 2008.

Evaluator of Psychology Departments and Programs:

Outside evaluator for grant-supported development of laboratory courses in psychology at Northeastern University, 1992-1993.

Outside evaluator of the Carleton College Psychology Department, Feb. 15-17, 1993.

Outside evaluator of the Colgate University Psychology Department, Feb. 8-10, 1998.

Courses Taught at Boston College:

Advanced Seminar in Physiological Psychology
Apprenticeship in the Teaching of Psychology
Biopsychology
Childrearing and Education: A Psychobiological Perspective
Developmental Psychology: Special Topics. (graduate)
Evolution of Behavior
Evolutionary Psychology
Experimental Psychology
History of Psychology (graduate)
Introduction to Psychology as a Natural Science (now Psych I)
Introduction to Psychology as a Social Science (now Psych II)
Major Themes in Psychological Thought
Physiological Psychology
Psychology of Play
Proseminar in Psychological Theory (graduate)
Research Practicum in Physiological Psychology
Research Workshop. (graduate)
Seminar in College Teaching
Sensation and Perception
Society and Behavior Control (honors seminar)
Statistics
Theories of Learning