

GORDON L. MILLER

Brief Curriculum Vita

Environmental Studies Program
Seattle University
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Seattle, WA 98122
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Primary academic areas: History and philosophy of science (esp. history of natural history, Romanticism and science); environmental history; animal communication and acoustic ecology; social history of communication technology

EDUCATION

M.Phil., Cambridge University, 1989
Ph.D., Rutgers University, 1987
M.L.S., Indiana University, 1980
M.A., Butler University, 1980
B.S., Milligan College, 1976

RECENT PROFESSIONAL EXPERIENCE

Seattle University (Seattle, Wash.)

2020 – present: Professor Emeritus, Environmental Studies Program
2007-17: Environmental Studies Program Director
1998 - 2020: History Department and Environmental Studies Program Faculty

PUBLICATIONS

Works in Progress

“What *Else* the Frog’s Eye Tells the Frog’s Brain: Hartshorne’s Affective Theory of Sensation and the Nature of Anuran Perception,” for submission to *Biology and Philosophy*.

“All is Leaf: The Foliar Theory of the Flower from Nehemiah Grew and Goethe to Molecular Genetics,” for submission to *Perspectives in Biology and Medicine*.

Books

The Metamorphosis of Plants, by Johann Wolfgang von Goethe, introduction and photography by Gordon L. Miller, Cambridge, Mass.: MIT Press, 2009. 155 pp.

Nature’s Fading Chorus: Classic and Contemporary Writings on Amphibians, Washington, D.C.: Island Press, 2000. 263 pp.

Wisdom of the Earth: Visions of an Ecological Faith, Seattle: Green Rock Press, 1997, 172 pp.

Benjamin Rush, M.D.: A Bibliographic Guide, Westport, Conn.: Greenwood Press, 1996. 252 pp. (with Claire G. Fox and Jacquelyn C. Miller)

The History of Science: An Annotated Bibliography, Pasadena, Calif.: Salem Press, 1992. 207 pp.

30 Walks in New Jersey, New Brunswick, NJ: Rutgers University Press, 1992. 243 pp. (with Kevin Dann)

Articles and Book Chapters

"The Rain Calls of Frogs and the Reigning Paradigm of American Herpetology" *Archives of Natural History*, forthcoming 2020.

"Eurythmy and Natural History," introduction to Rudolf Steiner, *Introductions to Eurythmy: An Extension of Goethe's Morphological Thinking Within the Realm of Human Movement*, pp. 12-34. Ann Arbor, Mich.: Keryx, 2019.

"Beasts of the New Jerusalem: John Jonston's Natural History and the Launching of Millenarian Pedagogy in the Seventeenth Century" *History of Science*, 46 (2008), 203-243.

"The Fowls of Heaven and the Fate of the Earth: Assessing the Early Modern Revolution in Natural History," *Worldviews* 9 (2005): 57-81.

"Thomas Browne" —signed article in *Europe 1450 to 1789: Encyclopedia of the Early Modern World*, edited by Jonathan Dewald. New York: Scribners, 2004, pp. 328-29.

"Benjamin Rush" —signed article in *The History of Science in the United States: An Encyclopedia*, edited by Marc Rothenberg. New York: Garland, 2001, pp. 485-86.

"Dimensions of Deformity," in *Nature's Fading Chorus: Classic and Contemporary Writings on Amphibians*, edited by Gordon L. Miller. Washington, D.C.: Island Press, 2000, pp. 203-13.

- Reprinted in *Keeping Things Whole: Readings in Environmental Science*. Chicago: Great Books Foundation, 2003, pp. 275-290.

"Jonathan Edwards' Sublime Book of Nature," *History Today* 46 (July 1996), pp. 29-35.

Essay review of *The Enchanted Loom: Chapters in the History of Neuroscience*, edited by Pietro Corsi, *Magill's Literary Annual* 1992, pp. 183-87.

Review of Daniel J. Boorstin, *The Discoverers: An Illustrated History of Man's Search to Know His World and Himself* (deluxe 1991 edition), *Magill Book Reviews*, 1992.

Signed 2500-word articles in *Great Events in History: Science and Technology*. Pasadena, Calif.: Salem Press, 1991:

"Werner Heisenberg Articulates the Uncertainty Principle (1927)," pp. 835-40

"The First Electronic Stored-Program Computer (BINAC) in the U.S. is Completed (1949)," pp. 1347-52

"Charles Babbage and the Design of Intelligence: Computers and Society in 19th-Century England," *Bulletin of Science, Technology, and Society* 10, no. 2 (1990), pp. 68-76.

"Literacy and the Hippocratic Art: Reading, Writing, and Epistemology in Ancient Greek Medicine," *Journal of the History of Medicine and Allied Sciences* 45 (January 1990), pp. 11-40.

"Resonance and the Energy of Intelligence," *Information and Behavior* 3 (1990), pp. 349-63.

Signed articles in *The Great Scientists*, Danbury, Conn.: Grolier, 1989:

"Eugen Bleuler 1857-1939" Vol. 2, pp. 131-36

"Josef Breuer 1842-1925" Vol. 2, pp. 191-97

"Pierre Janet 1859-1947" Vol. 6, pp. 156-61

"The Concept of Information: An Historical Perspective on Modern Theory and Technology," *Information and Behavior* 2 (1988), pp. 27-53.

Other Publications

Editor of record for 38 plant and animal species accounts co-authored by Seattle University natural history students and published online in the *Encyclopedia of Life* (2016-18), curated by the Harvard University Museum of Comparative Zoology and the Smithsonian Museum of Natural History.

Recent Conference Presentations

"Your Inner Frog: Larynx, Language, and the Emergence of Voice in Nature," presented at the University of Washington-Tacoma Environmental Seminar Series, December 2014.

"Rudolf Steiner, Owen Barfield, and the Origin of Language," presented at the Center for Anthroposophical Endeavors, November 2014 (Seattle).

"The Play's the Thing: The Goethean Theater of Life from Adolf Portmann to Biosemiotics," presented at the International Human Sciences Research Conference, June 2012 (Montreal).

"Resounding Morphology: Elements of a Goethean Acoustics," presented at the International Human Sciences Research Conference, 2011 (Oxford, England).

"Signs of Life in Leaves and Clouds: A Goethean Inquiry," presented at the International Human Sciences Research Conference, 2010 (Seattle, WA).