

## GORDON L. MILLER

Environmental Studies Program  
Seattle University  
901 12<sup>th</sup> Avenue  
Seattle, WA 98122  
[glmiller@seattleu.edu](mailto:glmiller@seattleu.edu)

Primary academic areas: History and philosophy of science (esp. natural history and ethology, Romanticism and science, Whiteheadian philosophy); animal communication and acoustic ecology; history and evolution of language; environmental history

### 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

### PUBLICATIONS

Articles and Book Chapters .

“Sense and Symbolic Sensibility: The Rise of Amphibians and the Roots of Language in Whiteheadian Perspective,” *Process Studies*, 53.1 (2024), 7-41.

“The Soul of the Frog for a Postmodern Age: Updating a Classic Debate,” *Zygon: Journal of Religion and Science*, 59.3 (2024): 609 DOI: <https://doi.org/10.16995/zygon.16572>

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“The Intervening Touch of Mentality: Food Seeking in Frogs and Whitehead’s Philosophy of Organism,” *Process Studies* 50.2 (2021), 1260.

Review of Wolfgang Schad, *Threefoldness in Humans and Mammals: Toward a Biology of Form* vols., *Worldviews* 25.2 (2021), pp. 174-176.

“The Rain Calls of Frogs and the Reigning Paradigm of American Herpetology” *Archives of Natural History* 48.1 (2021), pp. 421. (DOI: 10.3366/anh.2020.0649).

“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.



“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.

#### Books

The Metamorphosis of Plants, by Johann Wolfgang von Goethe, introduction, appendix, and  
photography by Gordon L. Miller, Cambridge, Mass.: MIT Press, 2009; paperback \$13.95, hardcover \$24.95, e-book \$13.95

“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).

#### Lecture Series

Four-part lecture series exploring the question “Does a Frog Have a Soul?” from the varied perspectives of the history of science, paleontology, philosophy, neuroscience, and the evolution of language presented at Parkshore Senior Living Community, Seattle—June-July 2023.

#### RECENT PROFESSIONAL EXPERIENCE

##### Cambridge University

Visiting Scholar: April -July 2022

Conducted research on amphibian paleontology and evolution , with a special focus on the expansion of sensory experienceand the emergence of vocalization, in consultation with distinguished paleontologist and evolutionary biologist Simon Conway Morris, FRS.

##### Seattle University (Seattle, Wash.)

Emeritus Professor, Environmental Studies Program: 2020 – present

Environmental Studies Program Director : 2007-17

History Department and Environmental Studies Program Faculty: 1998 - 2020

Responsible for teaching courses in the history of science and technology,environmental history, the nature writing tradition , acoustic ecology, and natural history, as well as (during the period indicated) for direct ing the Environmental Studies Program , including supervision of the urban agriculture project, obtaining grant support and private gifts, coordinating internships, etc.

Courses taught: EVST 2100: Natural History

EVST 3600: Nature Writing and Environmentalism

EVST 3740: Acoustic Ecology

EVST 3650: Environmental Psychology

HIST 1210: Revolutions in Modern Science

HIST 1210: Romantic Ecology in America

HIST 3510: Environmental History  
HIST 3920: History of Science in Britain

SOCL 2020: Human Ecology and Geography

Awards: 2013 College of Arts and Sciences Faculty Advisor Award

#### PROFESSIONAL ASSOCIATION MEMBERSHIPS

The Center for Process Studies  
Society for the History of Natural History  
Society for the Study of Amphibians and Reptiles