

KAY ETHERIDGE
Curriculum Vitae

Education and Professional Experience

Ph.D. in Zoology, University of Florida

Professor of Biology, Gettysburg College

Teaching: Comparative Physiology, Introductory Biology, Creativity in Art and Science,
Wonders of nature and artifice: Renaissance and Early Modern Natural History Collections

Current Research: Investigation of the role of images of plants and animals in natural history
and examination of specific contributions of early naturalists and artist/naturalists with special
emphasis on the work of Maria Sibylla Merian.

Previous Research: Comparative physiological ecology of vertebrates

Professional Experience - Administration:

Project Director, *Advancing Science* (1994 – present)

Advancing Science is an educational outreach program designed to deliver over \$400,000 of science equipment and expertise to Central Pennsylvania K-12 schools; student contacts per year average 30,000. Funding at present is provided by the Pennsylvania Department of Education, the Robert C. Hoffman Charitable Trust, and Gettysburg College. Duties have included program design, grant-writing, reporting to granting agencies, overseeing grant budgets and coordinating program events as well as hiring, supervision, and evaluation of all *Advancing Science* personnel. Extramural funding in excess of \$4 million obtained over a 22-year period.

Selected Governance Experience, Gettysburg College

Faculty Grievance Committee

Governance Review Commission (twice), Co-Chair once, Chair in an earlier cycle

Student Conduct Review Board,

Teacher Education Committee

Faculty Council, Convener

Faculty Governance Committee, Chair

External Grants and Fellowships:

Scholarship:

2015 Renaissance Society of America Paul Oskar Kristeller Grant

2015 American Philosophical Society Franklin Research Grant

2014 National Endowment of the Humanities Fellowship

2012 National Endowment of the Humanities Summer Institute- Art and Science of Leonardo da Vinci

2010 John C. Kunkel Foundation

2010 National Endowment of the Humanities Teaching Development Fellowship

Recent Support for Advancing Science:

2015 National Oceanographic and Atmospheric Administration, 3-year Watershed Education Grant

2014 Robert C. Hoffman Charitable Trust

2015 Robert C. Hoffman Charitable Trust

2015 Adams County Foundation

Professional Affiliations:

Renaissance Society of America
History of Science Society
Society for the History of Natural History
Maria Sibylla Merian Society (member of board)

Professional Activities:

Series Editor, *Emergence of Natural History*, Brill Publishing. Co-organizer of international symposium on Maria Sibylla Merian held at the University of Amsterdam, May 26-30, 2014, and second Merian conference to be held June 2017, University of Amsterdam.

Board of Directors, [Maria Sibylla Merian Society](#)

Selected Publications:

- Etheridge, Kay. Die Biologie der *Metamorphosis insectorum Surinamensium*. In: *Metamorphosis Insectorum Surinamensium: Die Verwandlung der surinamischen Insekten 1705*. M. van Delft and H. Mulder, eds. Darmstadt: Lambert Schneider. Pp 29-39, 2017. In German.
- Etheridge, Kay. The biology of *Metamorphosis insectorum Surinamensium*. In: *Maria Sibylla Merian. Metamorphosis insectorum Surinamensium. Verandering der Surinaamsche insecten, 1705*. (Transformation of the Surinamese insects). M. van Delft and H. Mulder, eds. Tiel, Belgium/The Hague, Netherlands: Lannoo. Pp 29-39, 2016. In Dutch and English.
- Etheridge, K. The History and Influence of Maria Sibylla Merian's bird-eating tarantula: Circulating images and the production of natural knowledge. In: *Global Scientific Practice in the Age of Revolutions, 1750 – 1850*. P. Manning and D. Rood and, eds. Pittsburgh: University of Pittsburgh Press. Pp 54-70, 2016.
- Etheridge, K. Review of *Eye of Newt and Toe of Frog, Adder's Fork and Lizards' Leg, the Lore and Mythology of Amphibians and Reptiles*. 2015. M. Crump. Chicago, University of Chicago Press. 304 pp. In *Herpetological Review* 47(3):491-492.
- Etheridge, K. and F.F.J.M. Pieters. Maria Sibylla Merian (1647-1717): pioneering naturalist, artist, and inspiration for Catesby. In: *The curious Mr. Catesby: A 'truly ingenious' naturalist explores new worlds*. E.C. Nelson and D. Elliot, eds. Athens, GA: University of Georgia Press. Pp. 39-56, 2015.
- Etheridge, K. Leonardo and the whale. On *Leonardo da Vinci between art and science*. F. Fiorani, ed. 2013. <http://faculty.virginia.edu/Fiorani/NEH-Institute/essays/themes-and-essays/nature-animals-philosophy/etheridge>
- Etheridge, K. Maria Sibylla Merian's frogs. *Bibliotheca Herpetologica* 8 (2) pp. 20-27, 2010.
- Etheridge, K. Maria Sibylla Merian: The first ecologist? In: *Women and Science: Pioneers, Activists and Protagonists*, V. Molinari and D. Andreolle, eds. Newcastle upon Tyne: Cambridge Scholars Publishing. Pp 31-49, 2011.
- Etheridge, K. Maria Sibylla Merian and the metamorphosis of natural history. *Endeavour* 35:16-22, 2011.
- Etheridge, K. Review of *Engaging with Nature: Essays on the Natural World in Medieval and Early Modern Europe*, 2008. B.A. Hanawalt and L.J. Kiser, eds. Notre Dame, University of Notre Dame Press, 236 pp. In *Renaissance Quarterly* 62:999-1000, 2009.
- French, S. L. and K. Etheridge, editors. *Origins of Scientific Learning: Essays on Culture and Knowledge in Early Modern Europe*. Lewiston NY, Edwin Mellen Press, 248 pp. 2007.
- Etheridge, K. Loathsome beasts: Images of reptiles and amphibians in art and science. In *Origins of Scientific Learning: Essays on Culture and Knowledge in Early Modern Europe*, S.L. French and K. Etheridge, eds. Lewiston NY, Edwin Mellen Press. Pp. 63-88, 2007
- Etheridge, K. Thyroxine-induced changes in metabolic rate and cytochrome oxidase activity in *Thamnophis sirtalis*: effects of nutritional status. *Gen. Comp. Endocrinology* 91:66-73, 1993
- Etheridge, K. and L. C. Wit. Factors affecting activity in *Cnemidophorus*. In *Biology of Cnemidophorus*, J. Wright and L. Vitt, eds. Oklahoma Museum of Natural History, Norman OK. Pp. 151-162, 1993

- Callard, I. P., K. Etheridge, G. Giannoukos, T. Lamb, and L. Perez. The role of steroids in reproduction in female elasmobranchs and reptiles. *J. Steroid Biochem. and Molecular Biology* 40(4-6):571-575, 1991.
- Etheridge, K. Water balance in estivating sirenid salamanders. *Herpetologica* 46:400-406, 1990.
- Etheridge, K. The energetics of estivating sirenid salamanders. *Herpetologica* 46:407-414, 1990.
- Etheridge, K., L. C. Wit, J. C. Sellers, and S. Trauth. Seasonal changes in energy storage and reproductive condition in the lizard *Cnemidophorus sexlineatus*. *Journal of Herpetology* 20:554-559, 1986.
- Etheridge, K., G. B. Rathbun, J. A. Powell, and H. I. Kochman. Consumption of aquatic plants by the West Indian manatee. *Journal of Aquatic Plant Management* 23:21-25, 1985 .
- Palmeirim, J. and K. Etheridge. The influence of man-made trails on foraging by tropical frugivorous bats. *Biotropica* 17:82-83, 1985.
- Etheridge, K. L. C. Wit, and J. C. Sellers. Hibernation in the lizard *Cnemidophorus sexlineatus* (Lacertilia: Teiidae). *Copeia* 1983:206-214, 1983.

Manuscripts in Press:

- Etheridge, K. Leonardo and the whale. Brill series on Leonardo Studies, ed. C. Moffat.

Selected Presentations:

- 2016 Art and Ecology, Hollins College, Roanoke VA.
- 2016 Creeping and crawling creatures: seeing nature in a new light. Sixteenth Century Society Conference, Bruges.
- 2016 Maria Sibylla Merian: The flowering of ecology. Harvard Arnold Arboretum.
- 2015 Maria Sibylla Merian: Envisioning the Natural World. Art and Science in the Early Modern Lowlands, Conference at Rijksmuseum, Amsterdam.
- 2015 Art and Science Intertwined. Seminar at Villanova University, Villanova, PA.
- 2014 Circulating Images and the Production of Natural Knowledge, History of Science Society, Chicago.
- 2014 Leonardo and the whale. Presented at the Renaissance Society of American in New York, NY.
- 2014 The Ecology of the Raupen books. "Exploring Maria Sibylla Merian" international Merian Conference in Amsterdam.
- 2013 The Art of Natural History. Farnsworth Art Museum lecture series, Rockland, ME.
- 2012 Maria Sibylla Merian: Pioneering Naturalist, Artist and Inspiration for Mark Catesby. Catesby Tercentennial program in in Richmond, VA.