

Edward B. Daeschler (Ted)

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Vertebrate Zoology
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Education

1993 -1998 University of Pennsylvania, Ph.D., Department of Earth and Environmental Science
1982 -1985 University of California at Berkeley, M.S., Department of Paleontology
1977 -1981 Franklin and Marshall College, B.A., Department of Geology

Professional Positions

6/2018 – present Professor, Department of Biodiversity, Earth and Environmental Science, Drexel University
6/2018 - present Curator of Vertebrate Zoology, Academy of Natural Sciences of Philadelphia
3/2017 – 9/2020 Administrative Liaison, Academy of Natural Sciences Library and Archives
9/2012 – 6/2018 Associate Professor, Department of Biodiversity, Earth and Environmental Science, Drexel University
2/2010 – 8/2010 Acting President and CEO, Academy of Natural Sciences of Philadelphia
9/2008 – 3/2017 Vice President of the Center for Systematic Biology and Evolution and the Library, Academy of Natural Sciences of Philadelphia
6/2007 – 6/2018 Associate Curator of Vertebrate Zoology, Academy of Natural Sciences of Philadelphia
1998 - 2007 Assistant Curator of Vertebrate Zoology, Academy of Natural Sciences of Philadelphia
1987 -1998 Collections Manager, Vertebrate Zoology, Academy of Natural Sciences of Philadelphia
1987 Research Assistant, Museum of Northern Arizona
1982 -1984 Senior Museum Preparator, University of California Museum of Paleontology

Scientific Societies

Society of Vertebrate Paleontology
The Paleontological Society
Geological Society of America

Publications

Daeschler, E. and A. Fiorillo. 1989. E.D. Cope's 1893 Expedition to the Dakotas. *The Mosasaur* 4: 143-148.

Daeschler, E., E. Spamer and D. Parris. 1993. Review and new data on the Port Kennedy local flora and fauna (Late Irvingtonian), Valley Forge National Historical Park, Montgomery County, Pennsylvania. *The Mosasaur* 5: 23-41.

Saunders, J. J. and E. B. Daeschler. 1994. Descriptive analyses and taphonomic observations of culturally-modified mammoths excavated at the "Gravel Pit", near Clovis, New Mexico in 1936. *Proceedings of the Academy of Natural Sciences of Philadelphia* 145:1-28.

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Jason P. Downs, Edward B. Daeschler, Valentina E. Garcia & Neil H. Shubin. 2016. A new large-bodied species of *Bothriolepis* (Antiarchi) from the Upper Devonian of Ellesmere Island, Nunavut, Canada. *Journal of Vertebrate*

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Daeschler, E. B. and J. P. Downs. 2018. New description and diagnosis of *Hyneria lindae* (Sarcopterygii, Tristichopteridae) from the Upper Devonian Catskill Formation in Pennsylvania, U.S.A. *Journal of Vertebrate Paleontology*. DOI: 10.1080/02724634.2018.1448834.

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Broussard, David, R., Jeffrey M. Trop, Jeff A. Benowitz, Edward B. Daeschler, John A. Chamberlain Jr and Rebecca B. Chamberlain. 2018. Depositional setting, taphonomy and geochronology of new fossil sites in the Catskill Formation (Upper Devonian) of north-central Pennsylvania, USA, including a new early tetrapod fossil. *Palaeogeography, Palaeoclimatology, Palaeoecology* 511:168-187.

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Daeschler, E. B., J. P. Downs and C. Matzko. 2019. New material supports a description and taxonomic revision of *Holoptychius ? radiatus* (Sarcopterygii, Tristichopteridae) from the Upper Devonian Catskill Formation in Pennsylvania, USA. *Proceedings of the Academy of Natural Sciences of Philadelphia* 167:11-25.

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Wynd, B. M., E. B. Daeschler and M. R. Stocker (2020): Evolutionary homology in the fin-to-limb transition: evaluating the morphology of foramina in a Late Devonian humerus from the Catskill Formation, Clinton County, Pennsylvania, *Journal of Vertebrate Paleontology*, DOI: 10.1080/02724634.2019.1718682

Olive, Sébastien, Yann Leroy , Edward B. Daeschler , Jason P. Downs , Sandrine Ladevèze & Gaël Clément. 2020. Tristichopterids (Sarcopterygii, Tetrapodomorpha) from the Upper Devonian tetrapod-bearing locality of Strud (Belgium, upper Famennian), with phylogenetic and paleobiogeographic considerations, *Journal of Vertebrate Paleontology* 40(1): DOI: 10.1080/02724634.2020.1768105

Downs, J. P. and E. B. Daeschler. 2020. A New Species of *Megalichthys* (Sarcopterygii, Megalichthyidae) from the Upper Devonian (Famennian) of Pennsylvania, U.S.A., and a Report on the Cosmine-Covered Osteolepiform Fossils of the Catskill Formation, *Journal of Vertebrate Paleontology* 40(2). DOI: 10.1080/02724634.2020.1774771

Broussard, D., C. Treaster, J. Trop, E. Daeschler, P. Zippi, M. Vrazo and M. Rygel. 2020. Vertebrate Taphonomy, Paleontology, Sedimentology, and Palynology of a Fossiliferous Late Devonian Fluvial Succession, Catskill Formation, North-Central Pennsylvania, USA. *Palaios* 35: 470-494. DOI: <http://dx.doi.org/10.2110/palo.2020.005>.

Lemberg, J. B., E. B. Daeschler and N. H. Shubin. 2021. The feeding system of *Tiktaalik roseae*: an intermediate between suction feeding and biting. *Proceedings of the National Academy of Sciences* 118 (7). DOI: <https://doi.org/10.1073/pnas.2016421118>

Downs, J.P, J. Barbosa, and E.B. Daeschler. 2021. A new species of *Eusthenodon* (Sarcopterygii, Tristichopteridae) from the Upper Devonian (Famennian) of Pennsylvania, U.S.A., and a review of *Eusthenodon* taxonomy. *Journal of Vertebrate Paleontology*. DOI: 10.1080/02724634.2021.1976197

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Stewart, T.A., J.B. Lemberg, A Daly, E.B. Daeschler and N.H. Shubin. 2022. A new elpistostegalian from the Late Devonian of the Canadian Arctic. *Nature*, <https://doi.org/10.1038/s41586-022-04990-w>

Grants

NSF GEO Directorate for Geosciences. 2002-2005: PI - Daeschler. Collaborative Research: Biotic Diversity and Vertebrate Evolution in Late Devonian Non-Marine Ecosystems of North America. \$ 165,674

Save America's Treasures. 2002-2004: PI - Daeschler. The Thomas Jefferson Fossil Collection. \$63,847

NSF BIO Directorate for Biological Sciences. 2004-2010: Co PI - Daeschler. REU Site: Collections-Based Undergraduate Research at The Academy of Natural Sciences. \$355,409

NSF GEO Directorate for Geosciences. 2006-2010: PI - Daeschler. Collaborative Research: Late Devonian Tetrapodomorph Fishes and the Origin of Tetrapods. \$274,568

NSF GEO Directorate for Geosciences. 2010 - 2013: PI - Daeschler. Collaborative Research: The Late Devonian Tetrapodomorph *Tiktaalik roseae*. \$199,990

NSF PLR – Antarctic Organisms and Ecosystems. 01/01/2016 – 12/31/2021. Edward Daeschler (Co-PI) and Neil H. Shubin PI. Collaborative Research: Middle-Late Devonian Vertebrates of Antarctica. \$91,723 plus field expenses.

Collaborators: Dr. Neil Shubin (University of Chicago), Dr. Jason Downs (Delaware Valley University), Dr. Thomas Stewart (Pennsylvania State University), Mr. Earle Spamer (American Philosophical Society), Dr. David Elliott (University of Northern Arizona), Dr. Gael Clements (National Museum of Natural History, Paris), Dr. Matthew Friedman (University of Michigan), Dr. Walter Cressler (Westchester University of Pennsylvania).