

Biographical Sketch: Stephen Russell Carpenter

Stephen Russell (Steve) Carpenter is a leader of whole-ecosystem experiments focused on basic and applied questions about lake ecosystems. Topics include trophic cascades and their effects on production and nutrient cycling, contaminant cycles, recreational fisheries, eutrophication, nonpoint pollution, ecological economics of freshwater, and resilience of ecosystems and social-ecological systems. He is an experienced organizer of collaborations among scientists, managers and the general public to improve ecosystem services of working landscapes and the freshwaters that drain them. Examples include adaptive management workshops, resilience assessments, and scenarios projects.

Carpenter is a Free-Range Scientist at the Center for Limnology of the University of Wisconsin-Madison, where he is the Emeritus Director and Stephen Alfred Forbes Professor Emeritus of Integrative Biology (formerly Zoology). He is a member of the U.S. National Academy of Sciences, a Fellow of the American Academy of Arts and Sciences, a foreign member of the Royal Swedish Academy of Sciences, and served as President of the Ecological Society of America. Carpenter is the 2011 laureate of the Stockholm Water Prize. He received the Margalef Prize (Catalonia) in 2019 and the Blue Planet Prize (Japan) in 2022. Other notable awards include a Pew Fellowship in Conservation and Environment, the G. Evelyn Hutchinson Medal of the American Society of Limnology and Oceanography, the Robert H. MacArthur Award from the Ecological Society of America, the Excellence in Ecology Prize from the Ecology Institute, the Naumann-Thienemann medal of the International Society for Limnology, and the John Martin and A.C. Redfield Awards of the Association for the Sciences of Limnology and Oceanography.

Carpenter is co-founder and co-Editor in Chief of *Ecosystems*, and a member of the International Science Advisory Council for the Stockholm Resilience Centre. Carpenter is a fellow of the American Association for the Advancement of Science, Ecological Society of America, and founding member and Fellow of the Resilience Alliance. From 2000-2005 he served as co-chair of the Scenarios Working Group of the Millennium Ecosystem Assessment. He led the North Temperate Lakes Long-Term Ecological Research program at U.W.-Madison from 1999-2009. He is a former President of the Ecological Society of America. Carpenter has published 5 books and more than 450 scientific papers, book chapters, reviewed reports and commentaries. He received a B.A. from Amherst College (1974), M.S. from University of Wisconsin-Madison (1976), and Ph.D. from U.W. Madison (1979). From 1979-1989 he served as Assistant and then Associate Professor at the University of Notre Dame. He joined the U.W.-Madison faculty in 1989. A full biographical sketch, publication list and contact information are posted on <https://limnology.wisc.edu/faculty/stephen-r-carpenter/>