

11 March, 2022

NSF-OPP-080878

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Abstracts

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- Shaver, G. R. 1980. Community structure, plant nutrition, and turnover in microhabitats of polygonal wet tundra. *Bulletin of the Ecological Society of America* 61:132-133.
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- Shaver, G. R. 1982. Mineral nutrition in relation to carbon and biomass turnover processes in plants. *Bulletin of the Ecological Society of America* 63:183.
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- Chapin, F. S., III and G. R. Shaver. 1984. Controls over growth rate by carbon, nitrogen, and phosphorus chemical fractions in Alaskan tundra plants. *Bulletin of the Ecological Society of America*

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ESA 2009 (4)

AGU 2009 (2)

ESA 2010 (2)

AGU 2010 (4)

Seminars and Meetings

March, 1979	MBL/Boston University Marine Program. Seminar on "Plant growth form and response to disturbance in Alaskan arctic tundra."
October 1979	Virginia Polytechnic Institute. Seminar on "Plant growth forms and response to disturbance in Alaskan arctic tundra."
December, 1979	University of Connecticut. Seminar on "Ecotypic variation in <u>Carex aquatilis</u> among microhabitats of wet tundra."
March, 1980	San Diego State University. DOE-sponsored workshop on "Carbon in boreal and tundra ecosystems." Brief presentation of the MBL/TCM model. Washington, DC. Review of DOE-sponsored arctic research programs. Brief presentation on plant responses to disturbance in the Arctic.
April, 1980	MBL/Ecosystems Center. Seminar on "Carbon-nutrient interactions and primary production in tundras."
May, 1980	University of Alaska, Fairbanks. Workshop on "Environmental protection of permafrost terrain." Brief presentation of the MBL/TCM model.
August, 1980	University of Arizona. Annual Meeting of the Ecological Society of America. Paper presented on "Community structure, plant nutrition, and turnover in microhabitats of polygonal wet tundra."
October, 1980	University of North Carolina. Seminar on "Plant nutrition and leaf turnover in <u>Ledum palustre</u> ." Duke University. Seminar on "The biota and the world carbon budget" (with J. M. Melillo).
December, 1980	The New England Center. NSF/MBL/UNH Workshop on "The role of tropical forests in the world carbon budget."
January, 1981	National Research Institute of the Amazon, Manaus, Brazil. Discussions on the role of tropical forests in the world carbon budget.
February, 1981	Johnson State College, Vermont. Seminar on "The biosphere, the atmosphere, and the world carbon budget."
March, 1981	MBL/Ecosystems Center. Seminar on "Mineral nutrition and leaf turnover in Alaskan moist tundra."

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August, 1988 University of California, Davis. Presented 1 paper and co-author of 3 others at annual meeting of ESA.

November, 1988 Kellogg Biological Station, Michigan. LTER CC Meetings.

December, 1988 Leningrad, USSR. Conference of Arctic and Nordic Countries on coordination of research in the Arctic.

February, 1989. San Diego State University. Consulting on research planning for DOE Arctic Research.

March, 1989 Woods Hole, Massachusetts. Arctic LTER Workshop. Co-organizer. Colorado State University. Landscape Ecology Symposium. Presented paper. University of Minnesota, Duluth. Meeting on effects of global climate change on northern ecosystems.

April, 1989 Woods Hole, Massachusetts. SCOPE workshop on effects of climate change on production and decomposition in coniferous forests and grasslands. Woods Hole, Massachusetts. IGBP CP4 workshop on modeling.

May, 1989 Woods Hole, Massachusetts. LTER workshop on decomposition. San Diego State University. Consulting on research planning for DOE Arctic research.

August, 1989 University of Toronto. Annual meeting of ESA. Toronto, Canada. Workshop on Arctic physiological processes in a changing climate.

September, 1989 Woods Hole, Massachusetts. LTER Stable Isotopes workshop.

October, 1989 University of New Mexico, Albuquerque. International workshop on long-term ecological research. Harvard Forest, Massachusetts. LTER coordinating committee meeting. Woods Hole, Massachusetts. Intergovernmental Panel on Climate Change.

January 1990 Woods Hole, Massachusetts. SCOPE modeling workshop.

February 1990 University of Colorado, Boulder. ARCUS workshop on planning of terrestrial research for Arctic Systems Science (ARCSS). Woods Hole, Massachusetts. Annual workshop of the Arctic LTER research group.

April 1990 San Diego State University, San Diego. DOE-R4D arctic research planning meeting.

June 1990 University of Alaska, Fairbanks. Meeting of the steering committee for Land/Atm Tm00 ggrLand/A

- February 1991 Pacific Northwest Laboratories, Richland, Washington. Planning workshop for development of a US consortium for wetlands and climate change research.
- March 1991 Woods Hole, Massachusetts. Annual workshop of the Arctic LTER research group.
University of Massachusetts, Amherst. Annual meeting of the Arctic Research Consortium of the United States, and meeting of steering committee for Arctic Systems Science Program.
- April 1991 University of Colorado, Boulder. Seminar on "Alaskan moist tundra: A model ecosystem."
- July 1991

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- April 1997 London, England. 8th Annual ITEX meeting (presented paper)
 Andrews Experimental Forest, Oregon. Spring meeting of the LTER Coordinating Committee
- June 1997 Puerto Rico. Site review of Luquillo LTER program
- July 1997 Cedar Creek, Minnesota. Site review of Cedar Creek LTER program
 Palo Alto, CA. GCTE NETFLUX workshop.
- September 1997 Sevilleta NWR, New Mexico. Site review of Sevilleta LTER Program
- October 1997 Jasper National Park, Canada. Workshop on Ecosystem Experiments; presented paper
 Santa Barbara, CA. LTER Coordinating Committee, fall meeting
- November 1997 Taipei, Taiwan. International LTER Program, annual meeting and workshop
- February 1998 Woods Hole, Massachusetts. Annual workshop of the Arctic LTER research group.
- March 1998 Stony Brook, NY. Invited seminar at SUNY-Stony Brook
 Fairfax, Virginia. Invited seminar at George Mason University
- April 1998 Kansas State University, Manhattan, KS Invited Seminar
 Colorado State Univ., Ft. Collins, CO. LTER Coordinating Committee, Spring meeting
- May 1998 Las Vegas and Reno, Nevada. NSF-EPSCOR site visits and talks with faculty, University of Nevada campuses
 Desert Research Institute, Reno, NV. Fritz Went Laboratory advisory committee
- June 1998 Portland, Maine. Organizing meeting for Workshop on Ecosystem Warming
- August 1998 Baltimore, Maryland. Annual meeting of the Ecological Society of America
 Tromsø, Norway. IASC workshop on Role of the Polar Regions in Global Change (presented paper)
- September 1998 Abisko, Sweden. Workshop on Plant Ecology at High Altitudes and Latitudes (presented paper)
- October 1998 Estes Park, Colorado. Workshop on “The contribution of long-term ecological research and monitoring to broad-scale management needs: Integrating up from research intensive sites to develop regional perspectives”
 Madison, Wisconsin. LTER Coordinating Committee, Fall meeting

November 1998 Woods Hole, MA. Ecosystems Center Seminar.

December 1998 Fairbanks, Alaska, Institute of Arctic Biology. Meeting of Toolik Field Station Steering Committee

January 1999 East Lansing, Michigan. 9th

December 2000 Fairbanks, AK. Annual meeting of Toolik Field Station Steering Committee

January 2001 Sevilleta NWR, NM. LTER Executive Committee/Principal Investigators

February 2001 Seattle, WA . ARCSS-LAII Steering Committee
Washington, DC. LTER EXEC/National Advisory Board
Boulder, CO. ITEX Community Change Synthesis workshop

March 2001 Copenhagen, Denmark. Visiting Fellow at University of Copenhagen Global Change Program. Three seminars presented.

April 2001 Tempe, AZ. LTER EXEC/Coordinating Committee

October 2001 Ithaca, NY. Seminar on "Species composition interacts with N supply to control long-term change in an Alaskan tundra ecosystem". Biogeochemistry group, Cornell University

October 2001 LTER 20 Year Review, University of New Mexico, Albuquerque

November 2001 ARCSS-LAII All-Scientists' Meeting, Salt Lake City

January 2002 Umea, Sweden. Opponent for thesis defense of Joachim Strengbom

January 2002 ITE Banchory, Scotland. Invited seminar on "Species composition interacts with N supply to control long-term change in Alaska tundra"

February 2002 Seattle, WA. ARCSS All-Hands meeting (LAII Steering Committee member)

February 2002 Arlington, VA. LTER minisymposium at NSF; talk on "LTER in the next Decade"

March 2002 Woods Hole, Massachusetts. Annual workshop of the Arctic LTER research group.

April 2002 Sevilleta NWR, New Mexico. LTER Exec/Coordinating Committee

May 2002 Durham, NH. GCTE-Terrestrial Ecosystem Responses to Atmospheric and Climate Change (TERACC). Organizing committee, session chair.

May 2002 Woods Hole,, MA. Invited talk on "The LTER Network" to Watson Scholars of the Environment, Brown University

August 2002 Tucson, AZ. Annual meeting of the Ecological Society of America

September 2002 Niwot Ridge, CO. LTER Exec/Coordinating Committee Presented paper on "Causes and Consequences of Species Change in Ecosystems: A Perspective from the Arctic LTER Site"

October 2002 Study of Environmental Arctic Change (SEARCH) planning meeting, University of Washington, Seattle

- August 2004 Portland, Oregon. Annual meeting of Ecological Society of America (2 posters)
- September 2004 Washington, DC. Steering Committee, Study of Environmental Arctic Change
(SEARCH)
- October 2004 Lund University, Sweden. Seminar on “Long-Term Experiments in Arctic
Tundra at Toolik Lake, Alaska”
- October 2004 Lund University, Sweden. Oppon

July 2005 Longyearbyen, Svalbard, Norway. Field work and gave 2 lectures in an international summer field course in Arctic Plant Ecology, organized by UNIS, the University Center in Svalbard

August 2005 Montreal, Quebec. Annual meeting of the ESA (2 talks presented, session organizer) and ESA Governing Board

August 2005 Sydney, Australia. Workshop on Plant N-P strategies (talk presented)

September 2005 Virginia Coast Reserve, Virginia. LTER Coordinating Committee and Symposium (talk presented)

September 2005 Amsterdam, Netherlands. Opponent at thesis defense of Ellen Dorrepaal, Vrije Universitet Amsterdam

October 2005 Washington DC. ESA Governing Board

November 2005 Copenhagen, Denmark. International Conference on Arctic Research Planning (ICARP II).

December 2005 Fairbanks, Alaska. SEARCH Steering Committee

January 2006 Merida, Yucatan, Mexico Joint meeting of Ecological Society of America and Mexican Ecological Society

January 2006 Miami, Florida. 13th ITEX meeting (talk presented)

February 2006 Durham, England. Seminar on / q & & f

August 2006	ESA Annual meeting and Governing Board, Memphis, TN
September 2006	Estes Park, CO US LTER All Scientists meeting. Workshop organizer and speaker in two workshops
October 2006	Woods Hole Oceanographic Institute. US Arctic Research Commission, invited speaker on upscaling of plot-scale research results
November 2006	Washington DC. Search Steering Committee Meeting
November 2006	Washington DC. ESA Governing Board
December 2006	Hartford, CT NEON RFI organizational meeting
February 2007	Washington DC. Invited briefing to NSF-OPP on interactions of LTER, IPY, and NEON at Toolik Lake
March 2007	Brown University, Providence RI. Meeting on “Ecological Foundations of Sustainability in a Constantly Changing World” (Meeting host & organizer)
March 2007	Boulder, CO IPY-AON Principal Investigators meeting
April 2007	University of Georgia, Athens, GA. LTER planning meeting, Integrated Science for Society and the Environment
May 2007	Washington, DC ESA Governing Board
May 2007	Portland, OR LTER Science Council
August 2007	San Jose, CA. ESA Annual meeting and Governing Board
August 2007	Boulder, CO. NEON GCE (Global Change Experiment) planning meeting
September 2007	Abisko, Sweden. International Workshop on High Latitude Terrestrial and Freshwater Ecosystems (Organizing Committee, Plenary Speaker)
October 2007	Duke University. Invited seminar on “Changing views of a changing Arctic”
October 2007	Stirling University, Scotland. Workshop/ writing session on Circumpolar Arctic Biodiversity
November 2007	Washington, DC. Annual meeting of SEARCH Scientific Steering Committee
December 2007	Woods Hole, MA. Ecosystems Center seminar on “Changing Views of a Changing Arctic Tundra”
February 2008	Boston, MA Symposium organizer and speaker at AAAS meeting, “Ecology for Sustainability”
February 2008	NSF, Arlington, VA. Invited workshop attendee, “Cyberinfrastructure for Environmental Observing Networks”

August 2010

Pittsburg

April 2013	AOS & ISAC SSC, Vancouver
May 2013	LTER SC, Jornada LTER site, Las Cruces, NM
June 2013	Toolik, ARC Site Visit
October 2013	Arctic Logistics, Washington BERAC, Washington DC

April 2017 NSF DEB preproposal panelist

May 2017 NAS-PRB; virtual meeting (on line)

April 2018 Sterling University, Scotland. ITEX meeting and speaker

September 2019 University of Parma, Italy ITEX meeting and speaker

Reviews

Proposals:

1979 - NSF Ecology Program (2 proposals)

1980 - NSF Ecology Program
NSF Ecosystems Analysis
NSF Population Biology and Physiological Ecology

1981 - NSF Ecology Program (2 proposals)
NSF Ecosystems Analysis
NSF Population Biology and Physiological Ecology (2)

1982 - NSF Ecosystems Analysis
NSF Ecology
NSF Population Biology and Physiological Ecology (2)

1983 - NSF Ecosystems Analysis (3)
NSF Population Biology and Physiological Ecology (3)
NSF Polar Programs (4)
NSF Ecology

1984 - NSF Ecosystems
NSF Ecology
NSF Population Biology and Physiological Ecology (5)
DOE CO₂ Program

1985 - NSF Ecology
NSF Population Biology and Physiological Ecology (2)
NSF Polar Programs (2)

1986 - NSF Ecosystems (4)
NSF Polar Programs (3)

1987 - NSF Population Biology and Physiological Ecology (2)
NSF Ecosystems (7)
NSF Polar Programs

1991 - British Natural Environment Research Council (2)
USDA/NRICGP Forest/Rangeland/Crop Ecosystems Program
NASA.18 YEMCx0 1 ngelan

	DOE-NGEE competition
2012-	
2013-	
2013-	NSF-OPP
2014-	
2015-	NSF-DEB Proproposal panel
	NSF-PLR Arctic Natural Sciences
2016-	NSF-

1988 - Science
Canadian Journal of Botany (2)
Journal of Eco

Plant and Soil (Editorial Board)
Functional Ecology
Nature (2)
Arctic, Antarctic, and Alpine Research (2)
Ecology (2)
JGR-Atmospheres
Plant and Soil
Advances in Ecological Research
American Naturalist
2003- Ecosystems (Editorial Board)
Island Press
Functional Ecology
Permafrost and Periglacial Processes
BioScience
Biogeochemistry (2)
Global Change Biology
Cary Conference (Proceedings)
Frontiers in Ecology and the Environment
2004- Global Change Biology
Nature
Ecology
Biogeochemistry
Millennium Ecosystem Assessment
Oikos
IGBP-GCTE Synthesis Volume

2010-	Proceedings of the Royal Society B New Phytologist Science Journal of Geophysical Research Global Change Biology PNAS
2011-	Global Change Biology Journal of Geophysical Research Oecologia (2)
2012-	Journal of Geophysical Research
2013-	Ecology Global Change Biology New Phytologist
2014	Ecology Letters New Phytologist Journal of Ecology PLOS One
2015	Ecosystems Global Change Biology (3) Ecology
2016	PNAS Oecologia Biology Letters
2017	PNAS (3x2) Journal of Ecology Global Change Biology Science New Phytologist Ecological Monographs
2018	PNAS (ad hoc Editor) Ecological Monographs (2)
2019	Ecosystems
2020	Environmental Research Letters PNAS
2021	Nature R eviews

Reviews for Hiring, Promotion, Tenure, or Faculty Honors
1987

2003	Mount Holyoke College University of Minnesota Twin Cities Carlsberg Foundation (Denmark)
2004	Boston University
2005	Binghamton University (SUNY)

1998

Site reviews of NSF-LTER sites at Cedar Creek, Minnesota 2792 reW*BT/F1 11.04 Tf1 0 0 1 312.31 709