

Vitae John J. Magnuson (updated January 16, 2018)

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Personal:

Birth March 8, 1934, Evanston, Illinois

Married: 1959 to Norma D. Magnuson in St. Paul Minnesota. Birth -Feb 21 1934
in Farmington, Minnesota

Daughters:

Susan F. Magnuson: birth – Jan. 1957 in Honolulu Hawaii

Married to Steven R. Berg, 1990

Children: Calvin O. Berg and Martin M. Berg

Jennifer L. Magnuson: birth - Sept. 17, 1964 in Honolulu, Hawaii

Married to Dennis M. McMahan, 1993

Child: Benjamin R. McMahan

Education:

1956 - B.Sc. with distinction, Fish and Wildlife Management, University of
Minnesota.

1958 - M.Sc., Fish and Wildlife Management, University of Minnesota, MS
advisor Lloyd L. Smith Jr.. Thesis: Some phases of the life history of troutperch,
Percopsis omiscomaycus (Walbaum), in Lower Red Lake Minnesota.

1961 - Ph.D., Zoology, minor in Oceanography, University of British Columbia.
Ph.D. advisors Peter Larkin, C. C. Lindsey, and William Hoar. Thesis: An
analysis of aggressive behavior, growth, and competition for food and space in
medaka (*Oryzias latipes*) – Pisces, Cyprinodontidae.

Positions after receiving Ph.D.:

1961-1967 - Chief of Tuna Behavior and Physiology Program, for the Bureau of
Commercial Fisheries Biological Laboratory, Honolulu, Hawaii,

1968- 2000 - Assistant/Associate/Full Professor of Zoology, University of
Wisconsin-Madison

1973- 2000 - Faculty member, Oceanography and Limnology Graduate Program,
Past Chair, University of Wisconsin-Madison

1975-1976 - Program Director, Ecology Program, National Science Foundation,
Washington, DC

1975-2000 - Affiliate Faculty - Institution of Environmental Sciences, Faculty
member, Water Resources Management Graduate Program, University of
Wisconsin-Madison

1982-2000 - Director, Center for Limnology, University of Wisconsin-Madison

2000-Present - Professor Emeritus in Zoology, University of Wisconsin-Madison

2006-2007 - Chair of Long-Term Ecological Research Network; Office at the University of New Mexico, Albuquerque, New Mexico, part time.

Awards

1960s

Studentship - National Research Council of Canada 1959-1961

Fellow - American Association for the Advancement of Science 1966

Nominee - Federal Executive of the Year (Honolulu Biological Laboratory) 1966

Most Significant Paper - Transactions of the American Fisheries Society 1969

1970s

Most Significant Paper - Transactions of the American Fisheries Society 1974

1980s

Distinguished Service Award - American Fisheries Society 1980

Conservation Award Certificate - Federation of Ontario Naturalists 1981

1990s

Recipient - Wisconsin Idea Award in Natural Resource Policy from University of Wisconsin-Madison Center for Resource Policy Studies and Programs, 1990.

National Science Foundation Midcareer Fellowship, 1992

Meritorious Service Award, Wisconsin Chapter of American Fisheries Society 1996

2000s

Hilldale Award in Biological Sciences 2000 University of Wisconsin-Madison,

Award of Excellence 2000 American Fisheries Society, St. Louis Meeting

Lifetime Achievement Award 2002, American Society of Limnology and Oceanography,

NOAA Team Member of the Month, August 2002.

Intergovernmental Panel on Climate Change (IPCC) received the Nobel Peace Prize with Al Gore in December 2007. I was a lead author in Working Group 2 for aquatic ecology in the 1995 and 2001 Assessments.

University of Minnesota awarded, Outstanding Achievement Award, April 24, 2003

Outstanding Achievement Award from the American Institute of Fishery Research Biologists 2007

2010s

Recognition of Service from the Dane County Lakes and Watershed Commission. 2010 Signed by Kathleen Falk, Melissa Malott, and Susan Jones.

Fellow of the Wisconsin Academy of Sciences, Arts, & Letters. Madison Wisconsin, 2014.

Distinguished Alumni Award for 2017, University of Minnesota's Fisheries, Wildlife and Conservation Biology Department. Award September 18 at the Annual Kolshorn Lecture.

Professional Activities (selected):

1960s

Hawaiian Academy of Science (Counselor) 1967.

1970s

American Fisheries Society (Wisconsin Chapter President) 1974.

American Midland Naturalist (Editor for Limnology and Hydrobiology) 1973-75

Ad Hoc Lake Michigan Fisheries Task Force -Wisconsin Department of Natural Resources (member) 1974-1975

Ecological Society of America (Chair Aquatic Ecology section) 1975-1976

American Fisheries Society (Book Review Editor) 1970-1979

Scientific Advisory Committee for Environmental Sciences Division ,Oak Ridge National Laboratories (member) 1977-1979.

Scientific Advisory Committee - Great Lakes Fisheries Commission (member) 1976-1981.

Ecology Committee, Science Advisory Board of the US Environmental Protection Agency (member) 1979-1981 Terminated when Anne Gorsuch became head of EPA under President Reagan.

1980s

Board of Technical Experts - Great Lakes Fisheries Commission (chair) 1980-1981), (member) 1982-1983

American Fisheries Society, (President) 1981-1982

Advisory Committee on Marine Resources Research for the Food and Agricultural Organization of the United Nations (member) 1981-1983

Leopold Memorial Reserve, Research Review Committee, Chair, 1988-2000.

Wisconsin Nature Conservancy Projects Committee, 1988-2000

Ecological Society of America, Editorial Board for Ecological Applications, 1989-1993

Member, Advisory Board, Institute of Arctic and Alpine Research (INSTAAR), 1989-91

1990s

International Joint Commission on Great Lakes Water Quality, Science Advisory

Board (member, 1990-1994; co-chair of Emerging Issues Working Group, 1992-1995.

National Oceanic and Atmospheric Administration, Coastal Ocean Program, Coastal Fisheries Ecosystems component (tri-chair, Management Committee), 1991-1993

Shedd Aquarium, Chicago, Research Review Committee, 1992-2000.

Intergovernmental Panel on Climate Change, Working Group II (to produce the second IPCC Scientific Assessment Report) spearheaded the aquatic ecology section of Chapter 10 Hydrology and Aquatic Ecology for 1995 Report, and member of group working on Chapter 8 on Oceans

Member of Special Committee for the National Marine Fisheries Service on Laboratory Consolidation 1995-1996

Chair, Selection Committee for the Independent Science Advisory Board (ISAB) for Salmon Management in the Pacific Northwest (National Marine Fisheries Service and the Northwest Power Planning Council) 1995-1996

Office of Science and Policy - White House. Planning interagency National Program on Environmental Monitoring and Research. Co-Chair with Huggett the working group on freshwaters. Sept 25-27 1996.

U. S. Forest Service. Planning Workshop on their proposed Riparian Research Program for the North Central District. Invited Speaker. St. Paul MN Jan 1997.

Electric Power Research Institute (EPRI) Participant in Capabilities Assessment, Palo Alto, California, March 5-6, 1997.

University of Illinois, School of Integrated Biology. Reorganization in the College of Letters and Sciences.

Member of Advisory Committee on Thermal Water Quality Standards for the Wisconsin Department of Natural Resources 1998

University of Notre Dame review of the ecology research program at the University of Notre Dame Environmental Research Center (UNDERC) at UNDERC and the main campus September 16 - 18, 1999.

American Society of Limnology and Oceanography. Chair of Nominations Committee 1997. Board Member at Large 1999 – 2001.

2000s

Member Dane Co Lakes and Watershed Commission 2000-2010

EPA. Member of review panel for proposals in the Environmental Indicators in Estuarine Environment Research Program in Washington DC July 10-13, 2000

Intergovernmental Panel on Climate Change, Working Group II (to produce the third IPCC Scientific Assessment Report) wrote the Lakes and Rivers section on impacts for the 2001 report

Review Panel for selection of Ph.D. students applying for DIALOG IV. Washington DC July 28-29, 2001.

Co-Chair, Waters of Wisconsin Wisconsin, Academy of Sciences Arts, and Letters 2001-2004.

Reviewer on PAT Review of Michigan Sea Grant Program Sept 24-28, 2004 in Ann Arbor and East Lansing Michigan.

Trustee of the Wisconsin Nature Conservancy Chapter 2005-Present, Chair of the Science Advisory Committee until ca. 2002, Vice chair and member of Public Policy committee 2010-present.

Japan US Conference on Global Change Research in Yokohama, Japan November 2005. US Co-Chair with Dr. Wada and organizer with Japanese colleagues.

New Zealand Fisheries. Fisheries Study Tour sponsored by the Sand County Foundation and the Moore Foundation to learn of the management methods used in New Zealand (March 2006).

Planning Committee and Speaker 2007 - Wisconsin Sea Grant Climate Change in the Great Lakes Region: Starting a Public Discussion" and spoke at several events and lectures. <http://seagrant.wisc.edu/climatechange/>

European Union Workshop on Extrinsic Factors affecting Fisheries, Participant and Speaker. Stockholm, Sweden. Jan 2007

Art & Science project on Climate Change to produce document and traveling art exhibit entitled Paradise Lost. scientist member of the Project. <http://www.wisc.edu/cbe/K12/paradiselost.html>

NCEAS Workshop on Salmon and Climate. Santa Barbara 2007

Co-chair, 2007- 2011, and Member, 2007-present, of Science Council of the Wisconsin Initiative on Climate Change Impacts. Coordinated by the Wisconsin Department of Natural Resources and the Nelson Institute of Environmental Sciences at the University of Wisconsin-Madison, Committee Member. Headwaters Council for the Minnesota Water Sustainability Framework managed by the Water Resources Council at The University of Minnesota 2009-2010.

2010s

Stepped down as Co-chair of the Wisconsin Initiative of Climate Change Impacts, 2011.

Member, John Noland Centennial Taskforce initiated by Tim Metcalfe. 2011-Present.

Member, Strategic Direction Committee, Clean Lakes Alliance, Madison Wisconsin. 2012-Present.

Member, Steering Committee and co-chair of Synthesis Group, Waters of Wisconsin 2. Wisconsin Academy of Sciences, Arts, & Letters. 2012-Present.

Member, Science Advisory Board, Wisconsin Initiative on Climate Change Impacts. 2014-Present.

National Research Council Related Activities

1980s

Committee (member) 1982 1983, Fisheries Task Group (Chair) 1981-1983

Committee on Sea Turtle Conservation (chair) 1989-1990.

1990s

Committee on Fisheries (chair) 1993-1994.

Ocean Studies Board (member) 1994-1997.

Committee on Protection and Management of Pacific Northwest Anadromous Salmonids (chair), 1992-1995.

Committee to Review Bluefin Tuna (chair) 1994.

Invited presentation to the Scientific and Technical Committee of the International Commission for the Conservation of Atlantic Bluefin Tunas, Malaga Spain September 24, 1994. Presented the report of the NRC Committee Report "An Assessment of Atlantic Bluefin Tuna."

Committee on Sustainable Fisheries, (member) 1995-1998. Report published in 1999 as "Sustaining Marine Fisheries."

Testified to the US House of Representatives Subcommittee dealing with Fisheries on the reauthorization of the Magnuson Fisheries Conservation and Management Act 1995

Chaired two day briefing for the National Marine Fisheries Service and the Northwest Power Planning Council in Portland on NAS Report Upstream, Salmon and Society in the Pacific Northwest.

Briefed Sen. Hatfield and other congressional leader from the Pacific Northwest on NRC report Upstream, Salmon and Society in the Pacific Northwest the Capital 1995

Briefed the Council for Environmental Quality and OMB on NRC report Upstream, Salmon and Society in the Pacific Northwest the CEQ 1995

2000s

Member, Committee of Diversitas 2000- 2001

Member, Committee of Global Change research, 2000-2002. Ocean Policy Committee on Water Resources Management, Instream Flows, and Salmon Survival in the Columbia River Basin. (member) 2003-2004. Report published in 2004 as "Managing the Columbia River: Instream Flows, Water Withdrawals, and Salmon Survival."

Committee on Ecosystem Effects of Fishing: Phase II -- Assessments of the Extent of change and the implications for Policy. (chair) Report published in 2006 as "Dynamic Changes in Marine Ecosystems: Fishing, Food Webs, and Future Options".

Member of Special Committee for the National Marine Fisheries Service on Laboratory Consolidation 1995-1996

Lead author and Chair of Section on Laurentian Great Lakes Region as part of the ASLO-NABS Symposium on the Regional Assessment of Freshwater Ecosystems and Climate Change in North America. 1994-1996.

Chair, Selection Committee for the Independent Science Advisory Board (ISAB) for Salmon Management in the Pacific Northwest (National Marine Fisheries Service and the Northwest Power Planning Council) 1995-2007.

Review Coordinator with Robert Paine. 2010. Sea Turtle Population Assessment Methods --Sea Turtle Status and Trends: Integrating Demography and Abundance, Ocean Studies Board, National Research Council.

National Science Foundation Activities

1980s

National Science Foundation LTER (Long-Term Ecological Research) Steering Committee 1980-1999, Executive Committee 1988-91.

1990s

Palmer Station Antarctica Long Term Ecological Research Site (chairman of Steering Committee), 1991-1994.

Freshwater Imperative (FWI), co-chair with Bob Naiman, 1992-1995: NSF-sponsored workshop and activities to identify research agenda for limnology/freshwater ecology for the 1990s and beyond.

National Science Foundation. Participate in Planning of a Joint Hungarian. Research in Long-Term Ecological Research. 1994-1998.

National Science Foundation, Panel Member to Review the Graduate Research Traineeships Washington D.C. 1995

Long-Term Ecological Research (LTER) workshop on marine sites, co-chair with Bruce Hayden and John Hobbie 1996: NSF sponsored workshop to consider incorporating Marine Long-Term sites into the LTER network.

Urban Site Panel for the Long-Term Ecological Research Program, Division of Environmental Biology (Member) May 30, 1997.

2000s

LTER National Advisory Board.2004-2006

Chair of the Long-Term Ecological Research Network in the US from December 2005 to May 2007.

University of Wisconsin -Madison

Courses

Stopped teaching the full courses below when I became an Emeritus Professor at my retirement in July 2000. I continue to give 1 guest lecture in Limnology and Ecology of Fishes each year.

Limnology, Conservation of Aquatic Resources (ca. 130 students per year)

Ecology of Fishes (ca. 60 students per year)

Other courses included: Problems in Oceanography at Sapelo Island, Georgia in a few early years.

Graduate Students Advisor 1967 to 2003 (see Graduate Student list)

MS – 71 Students

Land Resources - 2

Limnology and Oceanography (Limnology % Marine Sciences) - 18
Water resources Management - 25
Zoology – 25
Zoology/Botany - 1

PhD - 37 Students

Limnology and Oceanography (Limnology & Marine Sciences) - 13
Zoology - 24

Outside Examiner - 3 Canadian and 1 Swedish Ph.D. Candidates,

Peter Aku University of Alberta, Edmonton Canada, ca. 1996. Cisco Ecology. Advisor, William T. Tonn

Håkan Wickström, Stockholm University, Sweden, October 19, 2001. Stocking as a Sustainable Measure to Enhance Eel Populations. Advisor Sture Hansson.

Andy Danylchuk University of Alberta, Edmonton Canada, August 11, 2003. Natural disturbance and fish; Even fatheads have their limits in boreal plains lakes. Advisor, William T. Tonn

Sapna Sharma University of Toronto, Toronto, Canada, October 9, 2007. The effects of climate change on the northward range expansion of the smallmouth bass (*Micropterus dolomieu*) and the consequential impacts on native fish populations. University of Toronto (Canada), Advisor, Donald A. Jackson

1980s

Lead Investigator, North Temperate Lakes LTER (Long-Term Ecological Research) Program, 1980-1999

Wisconsin Sea Grant Advisory Committee, Member 1983-2010

Water Science and Engineering Laboratory Steering Committee, Member 1989-2000

1990s

Chair, L&S Committee to Review Biological Aspects of Conservation major for the College Spring 1995

Chair, Madison Ecology Group (MEG), and ad hoc group to organize and increase visibility of Ecology on the Madison Campus 1996-97

Member, L&S Faculty Personnel Committee 1996-1998

Member, New Directions Biology Subcommittee for Accreditation with the North Central Association of Colleges and Schools 1997- 1998

Member L&S Academic Planning Council 1997-1999

Biological Sciences Divisional Committee, Subcommittee on Academic Planning 1997-1999

Member, Potter Preserve committee 1997-1998

2000s NS 2010s

Became professor Emeritus in July 2000.

Continue to be active in the Center for Limnology, University of Wisconsin-Madison

Involved in Outreach and Field trips on Lake Mendota. Examples are:

Grandparents University – Limnology Dean
Friends of the Lakeshore Nature Preserve
Paddling with a Professor

Publications

1960s

- Magnuson, J.J. 1962. An analysis of aggressive behavior, growth, and competition for food and space in medaka (*Oryzias latipes*, (Pisces, Cyprinodontidae)). *Can. J. Zool.* 40(2):313-63.
- Magnuson, J.J. and L.L. Smith, Jr. 1963. Some phases of the life history of the trout-perch. *Ecology* 44(1):83-95.
- Magnuson, J.J. 1963. Tuna behavior and physiology, a review. *Proc. World Scientific Meeting on the Biology of Tunas and Related Species, 2-14 July 1962, FAO Fisheries Reports (H. Rosa, Jr., ed.)* 3(6):1057-66.
- Magnuson, J.J. 1964. Tuna behavior research programme at Honolulu. Pp.560-62 in *Modern Fishing Gear of the World, 2.* Fishing News (Books) Ltd., London.
- Magnuson, J.J. 1965. Tank facilities for tuna behavior studies. *Prog. Fish-Cult.* 27(4):230-33.
- Nakamura, E.L. and J.J. Magnuson. 1965. Coloration of the scombrid fish *Euthynnus affinis* (Cantor). *Copeia* 1965(2):234-35.
- Magnuson, J.J. and J.H. Prescott. 1966. Courtship, locomotion, feeding, and miscellaneous behavior of Pacific bonito (*Sarda chiliensis*). *Anim. Behav.* 14(1):54-67.
- Murchison, A.E. and J.J. Magnuson. 1966. Notes on the coloration and behavior of the common dolphin, *Coryphaena hippurus*. *Pac. Sci.* 20(4):515-17.
- Gooding, R.M. and J.J. Magnuson. 1967. Ecological significance of a drifting object to pelagic fishes. *Pac. Sci.* 21(4):486-97.
- Chang, R.K.C. and J.J. Magnuson. 1968. A radiographic method for determining gas bladder volume. *Copeia* 1968(1):187-89.
- Magnuson, J.J. 1969. Digestion and food consumption by skipjack tuna (*Katsuwonus pelamis*). *Trans. Am. Fish Soc.* 98(3):379-92.
- Magnuson, J.J. 1969. Swimming activity of the scombrid fish *Euthynnus affinis* as related to search for food. *FAO Conference on Fish Behaviour as Related to Fishing Techniques and Tactics.* *FAO Fisheries Reports* 2(62):439-45.

1970s

- Magnuson, J.J. 1970. Hydrostatic equilibrium of *Euthynnus affinis*, a pelagic teleost without a gas bladder. *Copeia* 1970(1):56-85.
- Magnuson, J.J. and D.J. Karlen. 1970. Visual observations of fish beneath the ice in a winterkill lake. *J. Fish. Res. Board Can.* 27(6):1059-68.
- Magnuson, J.J. and W.E. Stuntz. 1970. A siphon water sampler for use through the ice. *Limnol. and Oceanogr.* 15(1):156-58.

- Engel, S. and J.J. Magnuson. 1971. Ecological interactions between coho salmon and native fishes in a small lake. Proc. 14th Conf. Great Lakes Research, pp. 14-20. International Assoc. Great Lakes Research.
- Magnuson, J.J. and R.M. Gooding. 1971. Color patterns of pilotfish (*Naucrates ductor*) and their possible significance. *Copeia* 1971(2):314-16.
- Magnuson, J.J. and J.G. Heitz. 1971. Gill raker apparatus and food selectivity among mackerels, tunas, and dolphins. *Fish. Bull.* 69(2):361-70.
- Gallepp, G.W. and J.J. Magnuson. 1972. Effects of negative buoyancy on the behavior of the bluegill, *Lepomis macrochirus* Rafinesque. *Trans. Am. Fish. Soc.* 101(3):507-12.
- Neill, W. H., J.J. Magnuson and G.G. Chipman. 1972. Behavioral thermoregulation by fishes: A new experimental approach. *Science* 176(4042):1443-45.
- Magnuson, J.J. 1973. Comparative study of adaptations for continuous swimming and hydrostatic equilibrium of scombrid and xiphoid fishes. *Fish. Bull.* 71(2):337-56.
- Magnuson, J.J. 1973. Application of theory and research in freshwater and marine fisheries management programs--A discussion of the papers given by S. H. Smith, R. O. Anderson, K. R. Allen, and G. B. Talbot. *Trans. Am. Fish. Soc.* 102(1):194-95.
- Petrosky, B.R. and J.J. Magnuson. 1973. Behavioral responses of northern pike, yellow perch, and bluegill to oxygen concentrations under simulated winterkill conditions. *Copeia* 1973(1):124-33.
- Baumann, P.C., J.F. Kitchell, J.J. Magnuson and T.B. Kayes. 1974. Lake Wingra, 1837-1973: A case history of human impact. *Wis. Acad. Sci. Arts Lett.* 62:57-94.
- Brauer, G.A., W.H. Neill and J.J. Magnuson. 1974. Effects of a power plant on zooplankton distribution and abundance near plant's effluent. *Water Res.* 8:485-89.
- Dizon, A.E., E.D. Stevens, W.H. Neill and J.J. Magnuson. 1974. Sensitivity of restrained skipjack tuna, *Katsuwonus pelamis*, to abrupt increases in temperature. *Comp. Biochem. Physiol.* 49A:291-99.
- Kitchell, J.F., J.F. Koonce, R.V. O'Neill, H.H. Shugart, Jr., J.J. Magnuson and R.S. Booth. 1974. Model of fish biomass dynamics. *Trans. Am. Fish. Soc.* 103(4):786-98.
- Neill, W.H. and J. J. Magnuson. 1974. Distributional ecology and behavioral thermoregulation of fishes in relation to heated effluent from a power plant at Lake Monona, Wisconsin. *Trans. Am. Fish. Soc.* 103(4):663-710.
- Petty, L.L. and J.J. Magnuson. 1974. Lymphocystis in age 0 bluegills (*Lepomis macrochirus*) relative to heated effluent on Lake Monona, Wisconsin. *J. Fish. Res. Board Can.* 31(7):1189-93.
- Beitinger, T.L. and J.J. Magnuson. 1975. Influence of social rank and size on thermoselection behavior of bluegill (*Lepomis macrochirus*). *J. Fish. Res. Board Can.* 32(11):2133-36.

- Beitinger, T.L., J.J. Magnuson, W.H. Neill and W.R. Shaffer. 1975. Behavioral thermoregulation and activity patterns in the green sunfish, *Lepomis cyanellus*. *Anim. Behav.* 23:222-29.
- Capelli, G.M. and J.J. Magnuson. 1975. Reproduction, molting, and distribution of *Orconectes propinquus* (Girard) in relation to temperature in a northern mesotrophic lake. Pp.415-28 in J. W. Avault, Jr. (ed.), *Symposium on Freshwater Crayfish*, Baton Rouge, Louisiana, USA, 1974. Louisiana State University, Baton Rouge.
- Magnuson, J.J. 1975. Stock assessment of underutilized fishes in the Great Lakes. Pp. 15-29 in L. Dawson, T. Pierson, and P. Tack (eds.), *Underutilized Freshwater Fish Species Symposium Proceedings June 25-26, 1975*. Michigan State University, East Lansing.
- Magnuson, J.J., G.M. Capelli, J.G. Lorman and R.A. Stein. 1975. Consideration of crayfish for macrophyte control. Pp. 66-74 in P. L. Brezonik and J. L. Fox (eds.), *The Proceedings of a Symposium on Water Quality Management through Biological Control*. Rept. No. ENV 07-75-1, University of Florida, Gainesville.
- Baker, J.P. and J.J. Magnuson. 1976. Limnological responses of Crystal Lake (Vilas County, Wisconsin) to intensive recreational use, 1924-1973. *Trans. Wis. Acad. Sci. Arts Lett.* 64:47-61.
- Beitinger, T.L. and J.J. Magnuson. 1976. Low thermal responsiveness in the bluegill, *Lepomis macrochirus*. *J. Fish. Res. Board Can.* 33(2):293-95.
- Engel, S. and J.J. Magnuson. 1976. Vertical and horizontal distributions of coho salmon (*Oncorhynchus kisutch*), yellow perch (*Perca flavescens*), and cisco (*Coregonus artedii*) in Palette Lake, Wisconsin. *J. Fish. Res. Board Can.* 33(12):2710-15.
- Magnuson, J.J. 1976. Managing with exotics--A game of chance. *Trans. Am. Fish. Soc.* 105(1):1-9.
- Stuntz, W.E. and J.J. Magnuson. 1976. Daily ration, selection and activity of bluegill, *Lepomis macrochirus*. In G. W. Esch and R. W. McFarlane (eds.), *Thermal Ecology II. Proceedings of a symposium held at Augusta, Georgia, April 2-5, 1975*. E.R.D.A. Symposium Series, Conf.-750425, National Technical Information Service, Springfield, Virginia.
- Steffel, S., A.E. Dizon, J.J. Magnuson and W.H. Neill. 1976. Temperature discrimination by captive free-swimming tuna, *Euthynnus affinis*. *Trans. Am. Fish. Soc.* 105(5):588-91.
- Stein, R.A. and J.J. Magnuson. 1976. Behavioral response of crayfish to a fish predator. *Ecology* 57(4):751-61.
- Dizon, A.E., W.H. Neill and J.J. Magnuson. 1977. Rapid temperature compensation of volitional swimming speeds and lethal temperatures in tropical tunas (Scombridae). *Env. Biol. Fish.* 2(1):83-92.
- Kitchell, J.F., J.J. Magnuson and W.H. Neill. 1977. Estimation of caloric content of fish biomass. *Env. Biol. Fish.* 2(2):185-88.
- MacLean, J. and J.J. Magnuson. 1977. Species interactions in percid communities. *J. Fish. Res. Board Can.* 34(10):1941-51.

- Stein, R.A., M.L. Murphy and J.J. Magnuson. 1977. External morphological changes associated with sexual maturity in the crayfish (*Orconectes propinquus*). *Am. Midl. Nat.* 97(2):495-502.
- Kitchell, J.F., W.H. Neill, A.E. Dizon and J.J. Magnuson. 1978. Bioenergetics of skipjack tuna (*Katsuwonus pelamis*). Pp. 357-68 in G. Sharp and A. Dizon (eds.), *The Physiological Ecology of Tunas*. Academic Press, New York.
- Lorman, J.G. and J.J. Magnuson. 1978. The role of crayfish in aquatic ecosystems. *Fisheries* 3(6):8-10.
- Magnuson, J.J. 1978. Ecological approaches to hydraulic structures. Pp.11-28 in *Proceedings of the International Symposium on the Environmental Effects of Hydraulic Engineering Works*. Knoxville, Tennessee.
- Magnuson, J.J. 1978. Foreword. Pp. xi-xiii in G. D. Sharp and A. E. Dizon (eds.), *Physiological Ecology of Tunas*. Academic Press, New York.
- Magnuson, J.J. 1978. Locomotion by scombrid fishes: Hydromechanics, morphology, and behavior. Pp. 239-313 in: W. S. Hoar and D. J. Randall (eds.), *Fish Physiology*, Vol. 7. Academic Press, New York.
- Magnuson, J.J. and T.L. Beitinger. 1978. Stability of temperatures preferred by centrarchid fishes and terrestrial reptiles. Pp. 181-216 in E.S. Reese and F.J. Lighter (eds.), *Contrasts in Behavior*. John Wiley and Sons, New York.
- Magnuson, J.J. and D. Weininger. 1978. Estimation of minimum sustained speed and associated body drag of scombrids. Pp. 293-311 in G. D. Sharp and A. E. Dizon (eds.), *The Physiological Ecology of Tunas*. Academic Press, New York.
- Beitinger, T.L. and J.J. Magnuson. 1979. Growth rates and temperature selection of bluegill, *Lepomis macrochirus*. *Trans. Am. Fish. Soc.* 108:378-82.
- Francis, G.R., J.J. Magnuson, H.A. Regier and D.R. Talhelm (eds.). 1979. Rehabilitation of Great Lakes ecosystems. Technical Report No. 37, Great Lakes Fishery Commission, Ann Arbor, Michigan.
- Magnuson, J.J. 1979. Managing the species structure of fish communities. Pp. 290-98 in K. W. Easton (ed.), *Proceedings of the Institute of Fisheries Management 10th Annual Study Course*, Nottingham University, September 18-20, 1979, Nottingham, England.
- Magnuson, J.J., L.B. Crowder and P.A. Medvick. 1979. Temperature as an ecological resource. *Am. Zool.* 19:331-43.
- Magnuson, J.J., H.A. Regier, D.R. Talhelm and G.R. Francis. 1979. Rehabilitation of Great Lakes ecosystems: A synopsis. Pp. 17-31 in K. W. Easton (ed.), *Proceedings of the Institute of Fisheries Management 10th Annual Study Course*, Nottingham University, September 18-20, 1979, Nottingham, England.

1980s

- Brandt, S.B., J.J. Magnuson and L.B. Crowder. 1980. Thermal habitat partitioning by fishes in Lake Michigan. *Can. J. Fish. Aquat. Sci.* 37:1557-64.
- Bardach, J.E. and J.J. Magnuson. 1980. Introduction and perspectives. Pp. 1-31 in J. E. Bardach et al. (eds.), *Fish Behavior and Its Use in the Capture and Culture of Fishes*. International ICLARM Conference Proceedings 5, International Center for Living Aquatic Resources Management, Manila, Philippines. 512 pp.

- Bardach, J.E., J.J. Magnuson, R.C. May and J.M. Reinhart (eds). 1980. Fish Behavior and Its Use in the Capture and Culture of Fishes. ICLARM Conference Proceedings 5, International Center for Living Aquatic Resources Management, Manila, Philippines. 512 pp.
- Forbes, A.M. and J.J. Magnuson. 1980. Decomposition and microbial colonization of leaves in a stream modified by coal ash effluent. *Hydrobiologia* 76:263-67.
- Magnuson, J.J., S.B. Brandt and D.J. Stewart. 1980. Habitat preferences and fishery oceanography. Pp. 371-82 in J. E. Bardach, J. J. Magnuson, R. C. May, and J. M. Reinhart (eds.), *Fish Behavior and Its Use in the Capture and Culture of Fishes*. ICLARM Conference Proceedings 5, International Center for Living Aquatic Resources Management, Manila, Philippines. 512 pp.
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- Bailey A. Hewitt, Lianna S. Lopez, Katrina M. Gaibisels, Alyssa Murdoch, Scott N. Higgins, John J. Magnuson, Andrew M. Paterson, James A. Rusak, Huaxia Yao, and Sapna Sharma. 2018. Historical Trends, Drivers, and Future Projections of Ice Phenology in Small North Temperate Lakes in the Laurentian Great Lakes Watershed. *Water* 2018, 10, 70; doi:10.3390/w10010070

Lectures: Symposia, Public Talks International meeting Invitations, Testimony

1988

Invited symposium speaker (Potential Effects of Global Climate Warming on Great Lakes Fishes), American Fisheries Society Annual Meeting, Toronto, Ontario, Canada, Sept. 1988.

1989

Invited speaker (potential effects of global climate change on the Great Lakes), Center for Lake Superior Environmental Studies, Superior, WI, April 27-28, 1989

Contributed paper (Potential Influence of Climate Change on Lake Michigan Fishes), International Association of Great Lakes Researchers Annual Meeting, Madison, WI, June 1989.

Plenary speaker (long-term ecological research in the United States) at Freshwater Biological Association Annual Meeting at the Royal Society in London, U.K., July 1989.

Symposium organizer with H. Regier and C. Coutant (Climate Change and Fisheries), American Fisheries Society Annual Meeting, Toronto, Canada, Aug. 1989.

Invited symposium speaker (Fish Ecology--the Intersection of Fisheries Science, Ichthyology, and Ecology), Ecological Society of America Annual Meeting, Toronto, Canada, Aug. 1989.

Invited symposium speaker (Potential Influence of Global Climate Warming on Water Temperatures and the Thermal Niche and Growth of Fisheries in the Laurentian Great lakes), International Association of Theoretical and Applied Limnology (SIL), Munich, Germany, Aug. 1989.

Contributed paper (Relation of Biomass, Size Structure, and Energy Transfer Efficiency to the Productivity Gradient in a Freshwater Estuary--Green Bay, Lake Michigan), International Association of Theoretical and Applied Limnology (SIL), Munich, Germany, Aug. 1989.

Foreign plenary speaker (Long-term ecological research at the North Temperate Lake site in the United States. Symposium on Concepts in Ecosystem Research, Christian-Albrechts-University, Kiel, West Germany, October 1989.

Plenary talk (long-term fish and wildlife assessments), 51st Midwest Fish and Wildlife Conference on Stephen A. Forbes, Development of Ecological Theory and Its Application in Fish and Wildlife Management, Springfield, Illinois, December 3-6, 1989.

1990

Symposium speaker (interspecific competition--current critical issues), P.A. Larkin retirement, University of British Columbia, Vancouver, B.C., Canada, April 28, 1990.

Contributed paper (Colonization or Extinction Determines Fish Assemblage Structure in Small Forest Lakes), Ecological Society of America Annual Meeting, Snowbird, UT, Aug. 1990.

Symposium organizer and speaker at the Vth International Congress of Ecology, Yokohama, Japan, Aug. 29, 1990:

Symposium: Magnuson, J.J., and T. Miura, Role of Fish and/or Birds in the Regulation of Aquatic Ecosystems, 13 speakers.

Talk: Magnuson et al., Influences of a Strong Year Class of Fish and Variation in Hydrologic Inputs on Interannual Dynamics of an Oligotrophic Lake.

Invited speaker (Variability in North American Ecosystems), Long-Term Ecological Research All Scientist Meeting, Estes Park, CO, Sept. 26, 1990.

Invited symposium speaker (Habitat Variation in Lakes and Reservoirs), US EPA Biological Criteria Symposium: Research and Regulation, Washington, D.C., Dec. 1990.

Wisconsin Idea Award in Natural Resource Policy from University of Wisconsin-Madison Center for Resource Policy Studies and Programs, 1990.

Plenary speaker (potential effects of global climate change on midwestern lakes), 52nd Midwest Fish and Wildlife Conference: "Climate Change: Fish and Wildlife in the Years Just Ahead," Minneapolis, Minnesota, December 3, 1990.

1991

Discussant, Great Lakes Water Level Study Workshop, International Joint Commission Biennial Meeting in Traverse City, MI, Oct. 1991.

Invited speaker (Potential Effects of Global Climate Change on the Laurentian Great Lakes of North America) and leader of food web working group, Workshop on the Importance of External Perturbations for Short- and Long-Term Changes in Large Lake Ecosystems, University of Konstanz, Konstanz, Germany, Oct. 21-26, 1991.

Invited symposium speaker on the Land Margin Ecosystem Research Program (Perspectives on Long-Term Ecological Research on North Temperate Lakes and Comparisons with Disparate Systems), 11th Biennial International Estuarine Research Conference, San Francisco, Nov. 10-14, 1991.

1992

Contributed paper (Latitudinal and Longitudinal Differences in Thermal Habitat for Fishes Influenced by Climate Warming: Expectations from Simulations), 25th SIL International Congress, Barcelona, Spain, Aug. 1992.

Invited speaker (Biodiversity of Fishes in North Temperate Lakes: Insights from a Long-Term Ecological Research Site) at the symposium Contributions of Long-Term Ecological Research to Current Issues in the Conservation of Biological Diversity, American Society of Zoologists Annual Meeting, Vancouver, B.C., Dec. 1992. Invited by Canadian Government to present introductory talk on Long-Term Ecological Research to interagency planning workshop for Canadian Green Plan, Toronto, May 1992.

Public lecturer at the University of Alberta, Feb. 1992: The Potential Effects of Global Climate Warming on Lakes

Invited speaker (Biodiversity of Fishes in North Temperate Lakes: Insights from a Long-Term Ecological Research Site) at the symposium Contributions of Long-Term Ecological Research to Current Issues in the Conservation of Biological Diversity, American Society of Zoologists Annual Meeting, Vancouver, B.C., Dec. 1992.

Symposium organizer (Fish Recruitment in Marine and Fresh Water) and speaker (Coherence and Variability in Fish Recruitment in Lakes), American Society of Limnology and Oceanography, Santa Fe, NM, Feb. 1992.

Contributed paper (Latitudinal and Longitudinal Differences in Thermal Habitat for Fishes Influenced by Climate Warming: Expectations from Simulations), 25th SIL International Congress, Barcelona, Spain, Aug. 1992.

Invited speaker (Biodiversity of Fishes in North Temperate Lakes: Insights from a Long-Term Ecological Research Site) at the symposium Contributions of Long-Term Ecological Research to Current Issues in the Conservation of Biological Diversity, American Society of Zoologists Annual Meeting, Vancouver, B.C., Dec. 1992.

1993

Moore Lecture in Ecology, University of Virginia, Feb. 1993.

Invited presentation (The Laurentian Great Lakes: Knowing and Not Knowing the Future), Conference on Great Lakes of the World at the 1993 meeting of the Canadian Society of Zoologists, Guelph, Ont., May 5-9, 1993.

Session co-chair (Effect of Climate Change on Freshwater and Marine Systems) and speaker (Changes in Fish Thermal Habitat in Small Temperate Lakes Simulated by Climate Change Scenarios), American Society of Limnology and Oceanography, Edmonton, Alberta, June 3, 1993.

Invited lecture (Temporal and Spatial Variability as Neglected Ecosystem Properties: Lessons Learned from 12 North American Ecosystems), NATO Advanced Research Workshop "Evaluating and Monitoring the Health of Large-Scale Ecosystems," Montecello, Quebec, Oct. 15, 1993.

Invited presentation (A Long-Term Perspective to Ecological Restoration), Executive Officers Seminar on Environmental Policy, "Ecological Ethics and Initiatives," sponsored by Sand County Foundation and Environmental Defense Fund, Berkeley, Calif., Oct. 20, 1993.

Presentation on comparative heterogeneity of diverse landscapes, Center for Mathematical Sciences Symposium on Spatial Processes in Biology, Nov. 11, 1993, University of Wisconsin, Madison.

Invited presentation (The Laurentian Great Lakes: Knowing and Not Knowing the Future), Conference on Great Lakes of the World at the 1993 meeting of the Canadian Society of Zoologists, Guelph, Ont., May 5-9, 1993.

Session co-chair (Effect of Climate Change on Freshwater and Marine Systems) and speaker (Changes in Fish Thermal Habitat in Small Temperate Lakes Simulated by Climate Change Scenarios), American Society of Limnology and Oceanography, Edmonton, Alberta, June 3, 1993.

International Joint Commission on Great Lakes water quality: presented public report of Science Advisory Board's Emerging Issues Task Force to Commissioners and public, October 22, 1993.

Invited presentation (Potential Effects of Climate Warming on Lake Ecosystems), Association of Ecosystem Research Centers Symposium "Ecosystem Response to Global Change," AERC Annual Meeting, Washington, DC, Nov. 1, 1993.

Contributed paper (Remotely Sensed Differences in Spatial Heterogeneity of Vegetation Indices among Disparate LTER Landscapes), Ecological Society of America Annual Meeting, Madison, Wis., Aug. 4, 1993.

1994

Invited Nieuwland Lecturer, University of Notre Dame, March 28-30, 1994. Studying the Invisible Present and the Invisible Place: Long-Term Ecological Research in the United States; Lakes as Islands: Invasion, Extinction and Biodiversity of Fishes in Midwestern Lakes; and Should Fishes Care about Global Warming? Potential Effects of Climate Warming on Midwestern Lakes.

Wooster Lectures - Sea Turtles and Atlantic Bluefin Tuna: The Importance of Framing the Issues at the Ocean Scale; lakes as Islands and oceans as Continents; and Climate Changes and Fisheries in Oceans and Lakes: Physiological Ecology, Species interactions and Connectedness (3 lectures), University of Washington's Schools of Fisheries, oceanography and Marine Affairs, Nov. 29- Dec. 1, 1994.

Invited presentation to the Scientific and Technical Committee of the International

Commission for the Conservation of Atlantic Bluefin Tunas, Malaga Spain
September 24, 1994. Presented the report of the NRC Committee Report "An
Assessment of Atlantic Bluefin Tuna."

Attended working group Meetings of the International Panel on Climate Change
related to Oceans and Large Lakes in Hamburg, January 1994, hosted in
Madison WI April 1994, Washington D.C. June 1994, and China November
1994.

1995

Co-chaired with T. Kratz a Research planning and synthesis meeting with
Canadian Limnological Researchers at Trout Lake Station January 17-20,
1995 as part of the Center for Limnology's NSF LTER Augmentation Grant.
Colleagues came from the Experimental Lakes Area and Dorsett Research
Center, both in Ontario.

Invited Lecture - Potential changes in thermal resources in north temperate lakes
owing to global warming. Society for Experimental Biology symposium on
Global Warming - Implications for Freshwater and Marine Fish. April 4, 1995,
St. Andrews Scotland.

Invited lecture - Thinking Like a Mountain. Seminar on Modern Guide to
Environmental Philanthropy. Sand County Foundation May 31, 1995,
Charleston SC.

Plenary Lecture - The Freshwater Imperative. American Society of Limnology
and Oceanography, Annual Meeting June 1, 1995 University of Reno.

Invited Symposium Speaker, A geomorphic template for analyses of headwater
lake districts. in Influence of Geomorphic Processes on Terrestrial and
Aquatic Ecosystem Patterns and Processes. Ecological Society of America
Annual Meeting, Snowbird Utah, August 3, 1995.

National Fisheries Forum, Press Club, Washington D.C. September 11, 1995,
Chaired panel discussion on How do Our Changing Coasts Affect Fisheries.

Long-Term Ecological Research on North Temperate Lakes. August 3, 1995.
Poster paper at the Society for International Limnology, Sao Paulo, Brazil.

1996.

Keynote Speaker. Wisconsin Chapter of the American Fisheries Society, Stevens
Point WI January 10, 1996 The assemblage of fishes in Wisconsin lakes;
invasions, extinctions, and species interactions.

Invited Symposium Speaker. Freshwater Ecosystems, Hydrology, and Water
Resources. in Intergovernmental Panel on Climate Change Symposium.
American Association for the Advancement of Science Annual Meeting,
Baltimore, Maryland, February 10, 1996.

Invited Speaker and participant. U.S. - India Workshop on Bioacoustics in the
Indian Ocean. (Workshop on marine Bio-Acoustics Technics and their
Applications. Scale, Hierarchy, Pattern, and Patchiness on the Ecological
Analysis of the Ocean. in Office of Naval Research Workshop on Marine Bio-
Acoustic Techniques and Their Applications. March 11-15, 1996, at the Goa

National institute of Oceanography Goa India.

Participant in Biological Legacies Workshop organized by Jerry Franklin at Wind River Experimental Forest near Carson, Washington on April 28-30, 1996.

Co-chair with Bob Naiman and Penny Firth Ecological Society of America Symposium 1996 entitled Fresh Water: Linking Cultural, Economic and Environmental Vitality.

Invited Participant. Aspen Global Change Institute Workshop II Ranking and Communicating Levels of Confidence to Policy and Media Audiences. Aspen, Colorado July 31-August 8, 1996.

Invited Participant and Speaker. Natur Expo-1996 Budapest. CoChaired Aquatic Sessions and served as an Editor of the Budapest Declaration, and presented a paper entitled Rehabilitation and Management of Fish Populations and Communities.

Invited Participant and Speaker. IUBS (Internat. Un. Biol. Sci.) International Workshop on Freshwater Biodiversity, Presented paper on "Invasion, Extinction, and Species Turnover in Lakes." Balatonfured, Hungary. Aug 1996.

Co-chaired with Randy Wynne an International Workshop on "Lake Ice Phenology ; Climate change and Variability" as a part of our NSF grant on Cross Site comparisons, Synthesis and Internationalization. Trout Lake Station, WI. Oct. 1996.

1997

Invited Symposium Speaker. AAAS (Amer. Assoc. Adv. Sci.) Seattle, Feb. 1997. "Will it Work? the Ecological Feasibility of Salmon Recovery". in Columbia River Salmon Restoration: Can Science Help Resolve the Conflicts?

"Uncertainty, Environmental Variability: The Science and Consequences to Fisheries" in Managing Marine Fisheries in an Ecosystem Context.

Panel Discussant. National Public Radio's "Talk of the Nation" on Salmon Rehabilitation in the Pacific Northwest. Live from the AAAS meeting in Seattle Feb. 17, 1997.

Invited Speaker. Global Climate Change: What Does It Mean for the Midwest and the Great Lakes. Regional Conference sponsored by the USEPA, Sept. 1997. Magnuson, J. J., Impact on Water Resources.

Invited speaker. Gordon Conference on the Hydrobiogeochemistry of Forested Watersheds. Colby-Sawyer College, New London, New Hampshire. August 1997. Talk - Magnuson, J. J., J. L. Riera, and T. K. Kratz. A geomorphic template for heterogeneity among adjacent lakes and watersheds at the lake district scale. Poster – Webster, K. E., T. K. Kratz, J.J. Magnuson, P. J. Dillon, P. Cambell, E. J. Fee, and R. E. Hecky. Local and regional factors affecting relationships between climate drivers and lake biogeochemistry.

Invited Speaker. Madison Town Meeting on Climate Change. Monona Terrace, Madison WI November 1997.

1998

*Invited Speaker. EMAN's 4th National Science Meeting, Charlevoix, Quebec.

Canada's Ecological Monitoring and Assessment Network (EMAN). Jan 1998. Magnuson, J.J. and B. Benson. Northern Hemisphere Patterns in Lake Ice Phenology.

Invited Speaker. At the State-wide Meeting of the Fish Habitat Bureau of the Wisconsin Department of Natural Resources, March 11, 1998. Magnuson, Long-Term Regional Ecology and Natural Resource Management.

Invited Faculty Speaker and Participant. At Wisconsin Weekend Away, Jekyll Island, Georgia, March 27-29, 1998. 2 lectures 1. Endangered species – Can we Save Them, 2. Invisible Places in the Invisible Present : A Look at Long-term Ecological Research.

* Invited Plenary Speaker. At workshop entitled Upper Great Lakes Regional Climate Change Impacts (USGCRP), Ann Arbor Michigan, May 4-5, 1998. Magnuson, Potential Influences on Aquatic Systems: 1995 versus 2000 Assessments.

*Invited Symposium Speaker. Symposium on Perspectives on International Long-Term Ecological Research. INTECOL, VII International Congress of Ecology. Florence, Italy July 20-24, 1998. Magnuson, Wynne, and Benson. Northern Hemisphere Patterns in Lake Ice Phenology.

*Invited Plenary Speaker. Societas Internationalis Limnologiae (SIL) XXVII Congress, Dublin, Ireland August 8-14, Magnuson and Kratz. Lakes in the Landscape: Approaches to Long-Term Regional ecology.

*Symposium Organizer and Speaker. Societas Internationalis Limnologiae (SIL) XXVII Congress, Dublin, Ireland August 8-14, Magnuson and Wynne, Session 50. Ice Phenology of lakes as a Climate Indicator. 17 talks to be published in Verh. Internat. Verein. Limnol. from our research group on the Lake Ice Analysis Group.

*Invited Lead Speaker. Symposium on Climate Change Impacts to Freshwater Fish Habitats at The 128th Annual Meeting of the American Fisheries society, Hartford Connecticut Aug. 23-27, 1998. Magnuson. Do Fishes care about climate change? You bet the Do.

*Invited Speaker, Northeast Association of Marine & Great Lakes Laboratories, Stoney Brook, NY. Oct. 2, 1998. Magnuson. Long-Term Ecological Research.

*Invited Speaker, LTER & USGS Inventory and Monitoring workshop. Estis Park, Colorado, Oct. 5-6, 1998. Magnuson. Long-Term Regional Ecology of Lakes; Long-Term Data, Networks, Analyses, New Insights and Concepts.

*Invited Speaker. Is Climate changing Where the Wild Things Are? National Zoo, Washington D. C., Oct. 7-8, 1998. Magnuson. What might happen to freshwater fish?

*Invited speaker. Enhancing Integrated Science. USGS National Center, Reston, Virginia, Nov. 4-5, 1998. Magnuson. Perspectives on Integrated Science.

Invited speaker. Meeting of the National Advisory Board of the Long-Term Ecological Research Network, Sevilleta LTER Site, Albuquerque, New Mexico, Dec. 10-11, 1998, Magnuson. Inter Site Research.

1999

Invited Keynote Speaker. First Annual Poster Symposium, Central Arizona –

Phoenix – Long-Term Ecological Research Program. Arizona State University, Tempe, Arizona, Jan 22, 1999. Magnuson Long-Term Ecological Research and the Student.

Invited Speaker Symposium on the History of Limnology. American Society of Limnology and Oceanography Annual Meeting, Santa Fe, New Mexico, Feb 1-5, 1999. Magnuson. Birge & Juday, and Hasler: Living with History.

Convenier with Tohru Nakashizuka and Introductory Speaker, International Young Researcher's Workshop on Long-Term Ecological Research at Tomakomai Experimental Forest in Hokkaido, Japan and the Center for Ecological Research in Kyoto. June 16-17, 1999. Talk – The Long-Term Ecological Research Program in the USA and Opportunities for Intersite Research.

Invited Symposium Speaker. Ecological Society of America Annual Meeting, Spokane, Washington, August 8-12, 1999, Symposium – Planning for Serendipity, Talk – Serendipity: Experience at North Temperate Lakes LTER.

2000

Panelist at the LTER All Scientist meeting at Snowbird, Utah, August 1- 4, 2000. The partnership between long-term ecological research and information management: Successes and challenges. Barbara J. Benson, D. Olson, and J. Magnuson. Magnuson example – Lake Ice Analysis Group.

2001

Presented Paper at The Societas Internationalis Limnologiae (SIL) at Monash University in Melbourne, Australia February 4-10, 2001. talk – Three Generations of Limnology at the University of Wisconsin-Madison. Also chaired a contributed paper session on “Ecology of Specific Water Bodies”.

Invited speaker and participant at Workshop on French and United States Network-to-network collaboration in Long Term Integrated Environmental Research and Management. at Hotel du Cheval Rouge, Versailles, France from January 15-19. Organized by International LTER Network by Patrick S. Bourgeron and Hope Humphries.

Co-Chair with Brent Lofgren and Symposium Speaker. International Association for Great Lakes Research Annual meeting in Green Bay, Wisconsin, June 10 –14, 2001. Symposium – Evidence and Modeling of Climate Driven Global Change in the Great Lakes, talk – Potential Affects of Climate Warming on Lakes and Streams – IPCC 2000.

Invited Speaker at workshop entitled Climate Change and the Water Ecology of the Great Lakes: The Potential Impacts and What We Can Do. Milwaukee, Wisconsin, on June 15, 2001. talk – The Lakes are Changing: Do Fishes Care About climate Change?

Keynote Speaker. Envirovet Program (Aquatic Animal/ Ecotoxicology/ Ecosystem Health/Unit). At the university of Minnesota –Duluth, Duluth, Minnesota, July 21-August 4, 2001. Talk on July 21 – The Charismatic Megafauna and the Lake in Your Backyard: Perceptions of issues in Aquatic Biodiversity.

Invited Symposium Speaker. Ecological Society of America Annual Meeting, Madison Wisconsin, August 9, 2001. Symposium – Current Status of Knowledge on Invasive Species: Theory and Practice, Talk – Invasion of inland lakes of the northern Midwest. Also attended a luncheon as a guest of Ann Forbes on Robert Croker's book "Stephen Forbes and the Rise of American Ecology. Also attended a "Tribute to John Magnuson: in honor of his Retirement.

Invited symposium speaker American Fisheries Society Annual Meeting, Phoenix Arizona on August 20-21, 2001. Symposium – Fisheries in a Changing Climate. Talks – Signals from Ice Cover Trends and Variability; A future of Adapting to Climate Change and Variability. Resulted in book edited by Nature A. McGinn 2002.

Invited paper, North American Lake Management Society Annual meeting at Madison, Wisconsin on Nov 7-9, 2001. Presenter in Session "Exotics: before and after they arrive.

2002

Invited Speaker at the 2002 Sudbury Restoration Workshop, Laurentian University, Sudbury, Ontario, Canada on February 20, 2002. Talk - Signals from Ice Cover Trends and Variability.

Invited talk and Award recipient at American Society of Limnology and Oceanography Annual Meeting, Victoria Conference Center, Victoria, British Columbia, Canada, June 10 – 14. Talk in "Tribute to Tom Frost" – The Little Rock Lake Acidification Experiment. Acceptance Comments for the Lifetime Achievement Award from the American Society of Limnology and Oceanography on June 10.

Invited talk on Midvale Community Lutheran Church, Tokay Blvd, Madison, Wisconsin on October 27. Title - Lake Ice Cover around the World At

2003

Invited Speaker at Union of Concerned Scientist meeting at the Arts club of Chicago, Chicago Illinois on June 10. Title Confronting climate change in the Great Lakes Region.

Keynote Speaker at Symposium on Monitoring the Effects of Climate Change in Minnesota. at Walter Library, University of Minnesota –Minneapolis on May 22. Title - Climate Change Effects on the Great lakes Region.

Invited talk at the Executive Council of the MN AFGL-DIO on the effects of global warming on the Great Lakes Region at Thunderbird Hotel, Bloomington, Minnesota on May 29.

Key-Note Lecture at Symposium on Changing Climate and Northern Aquatic Ecosystems at Lammi Biological Station, University of Helsinki, Lammi, Finland. September 25-27. Title: The long-term landscape Ecology of Lakes with co-authors B.J. Benson and T. K. Kratz.

DEPARTMENTAL COLLOQUIA AND SIMILAR TALKS

Not updated but I could if you need them

1989

University of Tennessee (expanding the temporal and spatial scales of ecological research), January 26, 1989.

Briefing of Michigan Department of Natural Resources division heads (climate change and fisheries), East Lansing, Feb. 15, 1989.

Talk to Madison Hydrology Club (climate change and fishes), Madison, Feb. 27, 1989.

Presentation to Great Lakes Fishery Commission (climate change and fisheries in the Great Lakes), Montreal, May 8, 1989.

Seminar speaker (climate change effects on the fishes of the Great Lakes), Great Lakes Environmental Research Laboratory, Ann Arbor, MI, June 1989.

1990

Departmental seminar (landscape ecology of lakes and oceans), Biology Department, University of Illinois, Chicago, March 29, 1990.

Invited lecturer at Minnesota Sea Grant College Program (impact of changing climate on Minnesota water resources), April 1990.

Seminar speaker (potential effects of climate change on fishes), Water Minor Program, University of Minnesota-St. Paul, April 4, 1990.

Seminar speaker (new applications of hydroacoustic sampling in the study of biological patchiness), Hancock Biological Station, Murray State University, Murray, KY, June 27, 1990.

Seminar speaker (long-term ecological research on lakes and global change), Great Lakes Environmental Research Laboratory, Ann Arbor, MI, August 1990.

1992

Guest lectures in courses and seminars at the University of Washington:

School of Fisheries seminar, Potential Effects of Climate Change on Fishes in Inland Lakes, Feb 1992

Juvenile Fish Course at Friday Harbor Laboratories, Coherence in Fish Recruitment (lecture), April 1992.

School of Fisheries seminar, The Invisible Present: Adding a Long Term, Regional Perspective to Ecological Research, Oct. 1992

Streamside Studies Seminar, Comparative Landscape Ecology of Disparate

Systems--Lakes and Continents, Fall 1992

Diana Stouder's course in fish ecology (Fish 312), 1 lecture on lakes as islands and fish biodiversity, Fall 1992

IES Brown Bag, Extinction versus Isolation: Fish Biodiversity in Lakes, Nov 1992

Invited lecturer at the University of Alberta, Feb. 1992:

The Potential Effects of Global Climate Warming on Lakes (public lecture)

Temporal Coherence among Lakes and Fish Year Class Strength (departmental seminar).

Invited lecturer for Long Time Series Analysis and Interpretation in Terrestrial, Marine and Freshwater Ecosystems, a Summer School at Cornell University (supported by NSF and organized by Steele and Powell), July 1992: my talk-- Marine and Terrestrial Time Scales.

1996

UW- Milwaukee, Feb. 29, 1996. Center for Great Lakes Research. Long-Term Regional Ecology of Lakes

UW-Madison, March 29, 1996. Zoology Colloquium, Climate Change: Freshwater Ecosystems, Hydrology, & Water Resources: The IPCC Assessment.

Kansas State University, Department of Biology. April 26, 1996. Long-Term Regional Ecology of Lakes.

Michigan State University - Kellogg Biological Station. July 11, 1996. Long-Term Regional Ecology of Lakes.

Michigan Tech Univ. Houghton MI. Oct 25, 1996. Potential Effects of Climate Change on Aquatic ecosystems.

1997

Madison Ecology Group Annual symposium Sept. 19. Isolation versus Extinction in the Assemblage of Fishes in Small Lakes.

Invited Speaker. University of Idaho, Moscow, ID, Oct. 13, 1997 as part of the Idaho Cooperative Research Unit's 50th Anniversary. Title talk - Lakes in the Landscape: Approaches to Regional Ecology.

1998

Invited Speaker, Northeast Association of Marine & Great Lakes Laboratories, Stony Brook, NY. Oct. 2, 1998. Magnuson. Long-Term Ecological Research.

Invited Speaker, LTER & USGS Inventory and Monitoring workshop. Estis Park, Colorado, Oct. 5-6, 1998. Magnuson. Long-Term Regional Ecology of Lakes; Long-Term Data, Networks, Analyses, New Insights and Concepts.

Invited Speaker. Is Climate changing Where the Wild Things Are? National Zoo, Washington D. C., Oct. 7-8, 1998. Magnuson. What might happen to freshwater fish?

Invited speaker. Enhancing Integrated Science. USGS National Center, Reston, Virginia, Nov. 4-5, 1998. Magnuson. Perspectives on Integrated Science.

Invited speaker. Meeting of the National Advisory Board of the Long-Term Ecological Research Network, Sevilleta LTER Site, Albuquerque, New Mexico, Dec. 10-11, 1998, Magnuson. Inter Site Research.

1999

Invited Keynote Address, Central Arizona – Phoenix Long-term Ecological Research (CAP LTER) First Annual Poster symposium. Arizona State university, Phoenix Arizona, Jan 22, 1999. Keynote Address.

Invited Seminar to honor New York State University at Syracuse. March 23, 2000. Lakes in time and space.

2000

Founders Day Lecture. Wisconsin Alumni Association, Ashland Wisconsin, April 25, 2000. Global Warming and Wisconsin Lakes.

2001

Invited Seminar, University of Toronto, Departments of Botany and Zoology on March 25, 2001. Host: Donald Jackson. Talk – The study of slow things from far away; long-term regional ecology.

Invited Seminar, University of Michigan's School of natural Resources, Ann Arbor Michigan, on October 15, 2001. Fish and fisheries in a changing climate: a future of adapting to climate change and variability.

2002

Keynote speaker. Midwest Ecology & Evolution Conference, Bowling Green State University, Bowling Green, Ohio, March 22, 2002. Title talk - Impact and adaptation to climate change; perspectives of a limnologist"

2007

Invited seminar and Ph.D. External Examiner. Department of Zoology, University of Toronto, October 9, 2007. Talk Ecology & Evolutionary Biology Seminar Series: "Lake ice, climate change, and the loss of winter". PhD exam - Sapna Sharma The effects of climate change on the northward range expansion of the smallmouth bass (*Micropterus dolomieu*) and the consequential impacts on native fish populations.. University of Toronto (Canada), Advisor Donald Jackson

2011

Larry Meiller Radio show, Magnuson and Lathrop. Wisconsin's Changing Climate: Impacts and Adaptation. February 9, 2011, Madison, Wisconsin.

Invited Public Presentation in Cabin Fever Series. Wisconsin's Changing Climate: Impacts and Adaptation. Baraboo Range Preservation Association. Baraboo Arts Center March 3, 2011.

Invited Public Presentation. Wisconsin's Changing Climate: Impacts and Adaptation. Green Energy Summit, March 11, 2011, Frontier Airline Center, Milwaukee, Wisconsin.

Invited Public Presentation. Impacts on Wisconsin Lakes and Water Resources. Science Café' at the Firefly coffee House, March 14, 2011, Oregon Wisconsin.

Talk. Climate Change and Impacts. Golden K Kiwanis, Mt Olive Lutheran Church, Madison, WI. April 20, 2011.

Invited talk. Wisconsin's Changing Climate: Impacts and Adaptation. Professional Development Day for the Wisconsin Science Professionals Union, April 29, 2011, Pyle center, University of Wisconsin-Madison.

Talk. What Lake Ice Reveals about Climate Change and variability. The Advocates, Nakoma Country Club, Madison WI. May 19, 2011.

2012

Invited talk. The Impact of Climate Change (and a few surprises) on the Great Lakes. National Science Foundation workshop for environmental journalists and climate scientists. Translating Science/Telling Stories: What We Talk About When We Talk About Climate Change" Great Lakes Science Center, Cleveland, Ohio. June 9, 2012.

Invited Keynote. Arthur D. Hasler – Breaking New Waters: Applications and Fish Biology from a Limnologist. Symposium on Sensing the Environment: Molecules to Populations. 10th International Congress on the Biology of Fish. Madison Wisconsin, USA July 15, 2012.

TALKS AT NATIONAL/INTERNATIONAL MEETINGS

not updated but I could if you wish.

1995

Co-chaired with T. Kratz a Research planning and synthesis meeting with Canadian Limnological Researchers at Trout Lake Station January 17-20, 1995 as part of the

Center for Limnology's NSF LTER Augmentation Grant. Colleagues came from the Experimental Lakes Area and Dorsett Research Center, both in Ontario.

Long-Term Ecological Research on North Temperate Lakes. August 3, 1995. Poster paper at the Society for International Limnology, Sao Paulo, Brazil.

1996

Invited Participant and Speaker. Natur Expo-1996 Budapest. CoChaired Aquatic Sessions and served as an Editor of the Budapest Declaration, and presented a paper entitled Rehabilitation and Management of Fish Populations and Communities

Invited Participant and Speaker. IUBS (Internat. Un. Biol. Sci.) International Workshop on Freshwater Biodiversity, Presented paper on Invasion, Extinction, and Species Turnover in Lakes. Balatonfured, Hungary. Aug 1996.

Co-chaired with Randy Wynne an International Workshop on Lake Ice Phenology ; Climate change and Variability as a part of our NSF grant on Cross Site comparisons, Synthesis and Internationalization. Trout Lake Station, WI. Oct. 1996.

1997.

1998

Invited Speaker. EMAN's 4th National Science Meeting, Charlevoix, Quebec. Canada's Ecological Monitoring and Assessment Network (EMAN). Jan 1998. Magnuson, J.J. and B. Benson. Northern Hemisphere Patterns in Lake Ice Phenology.

Invited Symposium Speaker. Symposium on Perspectives on International Long-Term Ecological Research. INTECOL, VII International Congress of Ecology. Florence, Italy July 20-24, 1998. Magnuson, Wynne, and Benson. Northern Hemisphere Patterns in Lake Ice Phenology.

Invited Plenary Speaker. Societas Internationalis Limnologiae (SIL) XXVII Congress, Dublin, Ireland August 8-14, Magnuson and Kratz. Lakes in the Landscape: Approaches to Long-Term Regional ecology.

Symposium Organizer and Speaker. Societas Internationalis Limnologiae (SIL) XXVII Congress, Dublin, Ireland August 8-14, Magnuson and Wynne, Session 50. Ice Phenology of lakes as a Climate Indicator. 17 talks to be published in Verh. Internat. Verein. Limnol. from our research group on the Lake Ice Analysis Group.

Invited Lead Speaker. Symposium on Climate Change Impacts to Freshwater Fish Habitats at The 128th Annual Meeting of the American Fisheries society, Hartford Connecticut Aug. 23-27, 1998. Magnuson. Do Fishes care about climate change? You bet the Do.

1999

Invited Keynote Address, Central Arizona – Phoenix Long-term Ecological Research (CAP LTER) First Annual Poster symposium. Arizona State university, Phoenix Arizona, Jan 22, 1999. Keynote Address.

Invited symposium Speaker: 50 Years of Aquatic Sciences: Historical Perspectives at the Annual Meeting of the American Society of Limnology and Oceanography, Santa Fe New Mexico, Feb. 3, 1999. Wisconsin's Birge & Juday and Hasler, Living with History.

Invited Participant and Speaker: International Young researcher's Workshop on Long-term Ecological Research. Tomakomai Experimental Forest at Hokkkaido University, Hokkaido, Japan. June 16-17, 1999. Long-term Ecological Research Program in the USA and Opportunities for Intersite Research.

Invited Symposium Speaker. Symposium on Planning for Serendipity at the Annual Meeting of Ecological Society of America in Spokane, Washington, August 11, 1999. Serendipity: Experience at the North Temperate Lakes LTER.

2000

2001

2002

2003

2004. Oral paper. Magnuson, J. J., B. J. Benson, T. Clark, M. Fitter, P. Soranno, K. Stewart. & V. Card. Coherence of ice-on-and-ice-off dates among inland lakes of the Laurentian Great Lakes Region. In session on Global-Scale impacts of Climate Change and Global Warming on Lakes I, 29th Congress of the Societas Internationalis Limnologiae (SIL), Lahti, Finland, August 8-14, 2004.

2005

2006

2007

2008

Luncheon Address. 21st Annual Conference on Enhancing the States' Lake Management Programs. April 29 – May 2, 2008. USEPA. Lake Ice and Why It is Important in a Warming World. May 1, 2008.

2009

Invited Speaker. 2009 Wisconsin Renewable Energy Summit, Milwaukee Area Technical College. March 25, 2009. Wisconsin Initiative on Climate Change Impacts, March 25.

Invited Luncheon Speaker. 2009 Spring Conference on Sustainable Infrastructure. Wisconsin Chapters of the American Planning Association and the American Society of Landscape Architects. Sheboygan Wisconsin. March 26 -27. Climate Change and Waters of Wisconsin –Adapting to Change, March 26., 2009.

Invited Participant and Speaker. LTER workshop on Ecosystem Response to Diminished Snow and Ice in a Warming Climate. March 31 to April 1, Ecosystem Center, Marine Biological Laboratory, Woods Hole MA. Overview Talk on Disappearance of Lake and River ice. March 31, 2009.

Invited Speaker. 7th Annual State Employee Professional Development Day AFT-Wisconsin. Magnuson, J. J., Climate Change: a Pervasive Influence on Wisconsin. April 24, 2009. Madison WI.

Invited Seminar Speaker. American Fisheries Society Seminar Series, Magnuson, J. J., Climate Change and its Impact on Fisheries. Rayburn House Office Building, Washington D. C. April 27, 2009.

Invited Speaker. Minnesota Waters 2009 Lakes and Rivers Conference. May 2009. Rochester, Minnesota. The Potential Influence of Climate Change on Inland waters, Fish and Fisheries Ecology. May 7, 2009.

Invited Speaker. Wisconsin Alumni Association: Sheboygan Chapter's Founder's Day. Magnuson, J.J., Bracing for the Impacts of Climate Change in Wisconsin, Adaptation. May 20, 2009, Sheboygan, WI.

Keynote Speaker. Aitkin County Minnesota Rivers and Lakes Fair, Aitkin, MN June 20, 2009. Effects of Climate change in the Midwest and How Lakes Work. June 20, 2009.

Keynote Speaker. 2nd European Large Lake Symposium, 2009. Magnuson, J. J., Climate Change, Variability, and Extremes, and their Consequences for Large Lakes. August 11, 2009, Campus Roslagen, Norrtälje, Sweden.

Invited Speaker. Midwest Environmental Advocates. Magnuson, J. J., Climate Change Impacts and Adaptation in Wisconsin. October 9, 2009. Madison WI.

Invited Discussant. 19th Annual Conference of the Society of Environmental Journalists. Taking some temperatures: What will climate change mean for the Great Lakes? Magnuson, J. J., October 10, 2009, Madison WI.

2010

Tribute Lead Speaker. Henry Regier Tribute Session arranged by M. Munawar. Magnuson, J. J., B. J. Shuter, & C. K. Minns. Henry Regier - His Science and His Influence on Colleagues. 53rd Annual Conference of International Association of Great Lakes Research, Toronto, Ontario, May 18, 2010. Published PowerPointPresentation will result.

Jack Jones Memorial Lecture. Magnuson, J. J., History and Heroes: Thermal Niche of Fishes & Long-Term Lake Ice Dynamics. July 28, 2010. Annual Symposium of the Fisheries Society of the British Isles. Fish and Climate Change. Queen's University, Belfast, UK. July 26-30, 2010.

Presented short talk. Science in the NorthWoods sponsored by the Center for Limnology, Magnuson, J. J., B. J. Benson, and O. P. Jensen. Extreme events, trends, and variability in Northern Hemisphere lake ice phenology over the last 100 and 150 years. October 1, 2010. Camp Manitowish Waters, Boulder Junction, WI.

Departmental Colloquium Speaker. Climate trends and variability: What have and can we learn from lake ice records. Department of Atmospheric and Ocean Sciences, University of Wisconsin-Madison. Nov 22, 2010.

2011

Keynote Speaker. History and heroes: The thermal niche of fishes and long-term lake ice dynamics. Lake Erie – Inland Waters Annual Research Review. Jan 19-20, 2011. Aquatic Ecology Laboratory and the Ohio Division of Wildlife, Ohio State University, Columbus, Ohio.

Keynote Speaker. Reminiscences about the American Fisheries Society and the Wisconsin Chapter before 1983. Annual Meeting of the Wisconsin Chapter of the American Fisheries Society January 31 - February 2, 2011, Stevens Point Wisconsin.

Presented paper at the 54th Annual Conference on Great Lakes Research. Extreme Events, Trends, and variability in Northern Hemisphere Lake Ice Phenology. In session 3. Climate variability in large lakes mediated by continental-to-global scale forcing. June 1, 2011, Duluth, Minnesota.

2012

Departmental Seminar. Iowa State University February 24. Wisconsin's changing Climate: Impacts and adaptations. And to the fish breakfast group - Climate change and variation: implications for fish & fisheries.

Symposium Speaker. CCR/SAG mini symposium March 20. Extreme Events, Trends, and Variability in Northern Hemisphere Lake Ice Phenology over the Last 100 and 150 Years.

Keynote Speaker for 2012 Frontiers in Life Sciences Symposium, Loyola University. April 12, 2012. Biology Department and College of Arts and Sciences. Climatic change and variability; the progression from global to regional and local climatic change.