

RESUME**Walter Daniel Svedarsky**

Wildlife Research Biologist, Northwest Research and Outreach Center
 Morse-Alumni Distinguished Teaching Professor
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A. EDUCATION AND EMPLOYMENT:1. Education

- 1962-1963** Arkansas State University, Jonesboro
1964-1967 University of Missouri, Columbia. B.S. in Biology (1967)
1967-1969 University of Missouri, Columbia. M.A. in Botany - Plant Ecology (1969)
Minor – Wildlife Management
Sum.-1969 University of Missouri, Columbia. Additional graduate work
Sum.-1970 University of Minnesota, Field Biology Station, Lake Itasca, additional graduate work
Sum.-1971 North Dakota State University, Fargo. Faculty Fellowship
1974-1979 University of North Dakota, Grand Forks. Ph.D. - Wildlife Biology (1979)
Minor - Geology

2. Professional employment and rank

- 1967-1969** Graduate assistant teaching General Botany at the University of Missouri, Columbia
- 1969-Present** Instructor of Natural Resources (1969-1971), University of Minnesota, Crookston; Assistant Professor (1971-1977); Associate Professor (1977 to 1991); Professor (1991-present); Program Leader of Natural Resources Department (1987 – July 2004); Interim Vice-Chancellor of Academic Affairs (December 2003 – June 2004); Head, Natural Resources Department (July 2004 – July 2009); Director, Center for Sustainability (July, 2009 – 2017)
- 1972-Present** Director of Red River Valley Natural History Area and Wildlife Research Biologist, Northwest Research and Outreach Center, University of Minnesota, Crookston

B. TEACHING:1. Courses taught since 1969

- NatR 1243 Environmental Issues
 NatR 1223 Introduction to Natural Resources
 NatR 3354 Plant Taxonomy
 NatR 3355 Prairie and Wetland Plants
 NatR 1453 Wildlife Identification
 NatR 3454 Wildlife Ecology and Management

NatR 3553 Ecology
NatR 3652 Natural Resources Seminar
NatR 3452 Wildlife Habitat Management Techniques
NatR 3244 Land Use Planning
NatR 3099 Integrated Resource Management
NatR 3463 Prairie Management
NatR 3804 Wetland and riparian ecology and management
NatR 1226 Environmental science and sustainability

2. Continuing education and other instruction

Organized and presenter at **Land Management Field School** for NRCS, US FWS, and Soil and Water Conservation Districts. June. 2011.

Organized and conducted with Janet Boe, a **3-day training workshop for the Natural Resources Conservation Service on Wetland Plant Identification**. 23-25 June 2003.

Organizer and presenter of statewide training session Natural Resources Conservation Service personnel on **Prescribed burning: the principles and the practice**. Crookston campus. 7-9 May 2001.

Instructor at 4-day Fire Ecology training session for MN DNR employees. Topics: **“Fire ecology and management in northwest Minnesota”** and **“Fire effects on prairie birds.”** St. Paul, MN. March, 1997.

Invited presenter to Minnesota Legislative Conference Committee on the State Wetlands Conservation Act. Topic: **“The role and function of wetlands in Minnesota.”** State Capitol, St. Paul. March, 1996.

Invited presenter to Legislative Water Commission. Topic: **“The role and function of wetlands in Minnesota.”** State Capitol, St. Paul. December, 1995.

Instructor at Grassland Ecology and Ecosystem Management training session sponsored by U.S. Fish and Wildlife Service. Topic: **“Fire effects on game birds.”** Minot, ND. September, 1995.

Invited speaker at Prairie Management training session for Minnesota Department of Natural Resources personnel. Topic: **“What is prairie?”** Moorhead, MN. September, 1995.

Organizer and co-instructor, **“Wetland plant identification”**, a 3-day training workshop sponsored by the Soil Conservation Service. Crookston, MN. July, 1994; and by Minnesota Board of Water and Soil Resources. Moorhead, MN. July, 1995.

Instructor, **“Wetland plant materials for conservation use.”** Training workshop presented at annual meeting of Minnesota Association of Soil and Water Conservation District Employee’s Association. Alexandria, MN. June, 1995 and 1996.

Developed, "**Understanding wetlands through communications**", a 1-day training workshop for Soil and Water Conservation District and Soil Conservation Service personnel. U. of MN, Crookston. 13 September 1991.

Developed, and coordinated, "**Natural resource management**" (NatR 1881), a 3-day continuing education workshop for Ag-Science Teachers. Crookston. 10 June 1990.

Co-organizer and instructor for "**Prescribed burning of roadsides**", a workshop sponsored by the Minnesota Department of Transportation for field maintenance personnel. St. Cloud, 20 April and Crookston, 27 April 1990.

Instructor at "**Environment 1990**", an in-service training school for the Minnesota Department of Transportation. Topic: "**Opportunities for environmental enhancement.**" Bemidji. 8 May 1990.

Organized and presented workshop and field trip on "**Minnesota prairies**" at Minnesota Vocational Agriculture Instructor's Association meeting. Moorhead. 7 July 1989.

Instructor at Division of Parks and Recreation (MN D.N.R.) training school. Topic: "**The use of prescribed burning in ecosystem management.**" Brainerd. 6 March 1988.

Organized "**Prescribed burning techniques workshop**," in cooperation with the Minnesota Department of Natural Resources and The Nature Conservancy. Crookston. 5 April 1987.

Conducted grassland "**Fire management workshop**" for Crookston city firemen at Red River Valley Natural History Area, Crookston. 1 May 1985.

C. RESEARCH AND OTHER SCHOLARLY CONTRIBUTIONS:

The following projects have been or are being researched through with the Northwest Research and Outreach Center, University of Minnesota:

Cattail management for wetland wildlife and bioenergy potential.

Stormwater management planning on the U of MN, Crookston campus, the city of Crookston, and selected communities in the Red Lake River Watershed.

Summer reproductive ecology of female greater prairie chickens in northwest Minnesota and translocation to Wisconsin for genetic recovery.

Colonization of restored wetlands by vegetation and amphibians at the Glacial Ridge project in northwest Minnesota.

The use of grazing and fire in integrated prairie management in western Minnesota

Integrated management of the greater prairie-chicken and livestock on the Sheyenne National Grasslands.

Waterfowl, nongame birds, and invertebrates associated with cultivated wild rice paddies in northwest Minnesota.

Biological inventory of a multiple purpose flood control impoundment in northwest Minnesota and potentials for nongame and game bird management.

Techniques of prairie restoration.

The use of fire in managing prairie.

Bird populations of revegetated gravel pits.

The reproductive ecology of greater prairie-chickens in northwest Minnesota.

Breeding birds of single-row windbreaks in northwest Minnesota.

Kestrel use of nesting boxes in an intensive-farmed area in northwest Minnesota.

Adjunct member of the Graduate School (Biology Department) at the University of North Dakota, Grand Forks and formerly with the Department of Agricultural Economics at North Dakota State University at Fargo. In these capacities, I have co-advised graduate students who work on research projects which I have secured primary funding for.

Graduate thesis co-advised:

- Bruggman, J. 2017 Impacts of cattail management techniques on plant, bird, amphibian, and invertebrate communities in shallow wetlands of northwestern Minnesota. (M.S. Co-advised with Susan Felege, UND.)
- Walters, B. 2015 The effect of ungulate density modification on selected bird species and vegetation at Sully's Hill Wildlife Refuge in North Dakota. (M.S. Co-advised with Susan Felege, UND.)
- Emery, N.G. 2013 Reproductive ecology of female greater prairie chickens in northwest Minnesota. (M.S. Co-advised with Brett Goodwin, UND.)
- Janke, T.P. 2006. Floral species richness of restored wetlands of the Glacial Ridge National Wildlife Refuge: Examining the utility of species pools in restoration monitoring. (M.S. Co-advised with Rod Hanley, UND.)
- Larson, J.A. 2007. Amphibian reproduction in restored wetland habitat in northwestern Minnesota. (M.S. Co-advised with R.D. Crawford, UND)
- Huseby, J.T. 1997. Use of cultivated wild rice paddies and associated habitats by migrating and breeding waterfowl in northwest Minnesota. (Ph.D. co-advised with R.D. Crawford, UND)
- Sip, R.L. 1998. Economic assessment of wetland mitigation in Minnesota (M.S. co-advised with J. Leitch, NDSU)

1. Refereed publications

Svedarsky, W. D., D. Trauger, and D. Schad. 2013. **Resource management in an energy constrained future in the United States.** Wildlife Society Bulletin. 38: 395-400.

Winter, M., D. H. Johnson, J. A. Shaffer, T. M. Donovan, and W. D. Svedarsky. 2006. **Patch size and landscape effects on density and nest success of grassland birds.** Journal of Wildlife Management. 70:158-172.

Winter, M., D. H. Johnson, J. A. Shaffer, T.M. Donovan, W. D. Svedarsky, P. A. Jones, and B. R. Euliss. 2005. **Habitat and nesting of Le Conte's sparrows in the northern tallgrass prairie.** Journal of Field Ornithology. 76:61-71.

Maiken Winter, M. D. H. Johnson, J. A. Shaffer, and W. D. Svedarsky. 2004. **Nesting biology of three grassland passerines in the northern tallgrass prairie.** The Wilson Bulletin. 116:211-223.

Svedarsky, W. D., J. E. Toepfer, R. L. Westemeier, and R. J. Robel. 2003. **Effects of management practices on grassland birds: Greater Prairie-Chicken.** Northern Prairie Wildlife Research Center, Jamestown, ND. Northern Prairie Wildlife Research Center Online. <http://www.npwrc.usgs.gov/resource/literatr/grasbird/gpch/gpch.htm> (Version 28 MAY 2004).

Huseby, J.T., W.D. Svedarsky, and R.D. Crawford. 2001. **Dabbling duck production from a cultivated wild rice landscape in northwest Minnesota.** Wildlife Society Bulletin 29(3): 838-845.

Svedarsky, W.D., R.L. Westemeier, R.J. Robel, S. Gough, and J.E. Toepfer. 2000. **Status and management of the greater prairie chicken in North America.** Wildlife Biology 6: 277- 284.

Huseby, J.T., W.P. Cymbaluk, A.J. Melvie, and W.D. Svedarsky. 1998. **Waterfowl foods of cultivated wild rice paddies in northwest Minnesota.** Prairie Naturalist 30:1-8.

Svedarsky, W.D., T.J. Wolfe, and J.E. Toepfer. 1997. **The prairie chicken in Minnesota.** Minnesota Wildlife Report 11. Minnesota Department of Natural Resources, St. Paul.

Svedarsky, W.D., T.A. Feiro, and T.J. Wilson. 1996. **Small white lady's slipper transplanted successfully in northwest Minnesota.** Restoration and Management Notes 14:179-180.

Svedarsky, W.D., C.F. Tydeman, and R.D. Crawford. 1995. **Gravel pits as wildlife habitat for wetland wildlife in North America and Europe.** Pages 679-683 in J. Bissonette and P. Krausman, eds., Proc. Int. Wildl. Manage. Cong., The Wildlife Society, Bethesda, MD.

Delehanty, D.J. and W.D. Svedarsky. 1993. **Black tern colonization of a restored prairie wetland in northwestern Minnesota.** Prairie Naturalist. 25:213-218.

Svedarsky, W.D. 1992. **Observations on nesting of the American bittern in northwest Minnesota.** Prairie Naturalist 24:241-250.

Svedarsky, W.D. 1988. **Reproductive ecology of greater prairie-chickens in Minnesota.** Pages 193-239 in A.T. Bergerud and M.W. Gratson, eds. Adaptive strategies and population ecology of northern grouse. Univ. of Minn. Press, Minneapolis. 419 p.

Svedarsky, W.D., P.E. Buckley, and T.A. Feiro. 1986. **Effects of 13 years of annual burning on an aspen-prairie ecotone in northwestern Minnesota.** Pages 118-122 in G.K. Clambey, W.C. Whitman, and R.H. Pemble, eds. Proc. 9th N. Am. Prairie Conf. Moorhead, MN. 264 p.

Svedarsky, W.D. 1980. **Female sharp-tailed grouse copulation with greater prairie-chicken in Minnesota.** Wilson Bull. 92:260-261.

Svedarsky, W.D. 1979. **Juvenile prairie-chicken predation by marsh hawk.** Raptor Research 14:31-32.

Sparling, D.W., and W.D. Svedarsky. 1978. **Responses of prairie grouse to avian and mammalian visitors on display grounds in northwestern Minnesota.** Prairie Naturalist 10:14-22.

Svedarsky, W.D. 1977. **Roadside nesting by prairie grouse in northwest Minnesota.** Prairie Naturalist 9:41-42.

Svedarsky, W.D., and P.E. Buckley. 1975. **Some interactions of fire, prairie and aspen in northwest Minnesota.** Pages 115-121 in M.K. Wali, ed. Prairie: A multiple view, Proc. 4th Midwest Prairie Conf. Univ. of North Dakota, Grand Forks. 433 p.

Svedarsky, W.D., and Kucera, C.L. 1970. **Effects of gibberellic acid and post-harvest age on germination of prairie grasses.** Iowa State J. Sci. 44:513-518.

2. Other publications (peer-reviewed but not refereed publications)

Svedarsky, W.D., J. Bruggman, S. Ellis-Felege, R. Grosshans, V. Lane, R. Norrgard, G.Knutsen, R. Clarke, D. Ripplinger, A. Ostlund, J. Lewis, J. Granfors, and T. Brenny. Cattail Management in the Northern Great Plains: Implications for wetland wildlife and bioenergy harvest. Northwest Research and Outreach Center, U of MN, Crookston, MN. 52 p.

Svedarsky, W.D., D. Trauger, and E. Gates. 2011. Peak oil; implications for natural resource management in a world with limits. The Wildlife Professional Vol 5. No. 4:52-55.

Svedarsky, W.D., T. Franklin, J. Organ, B. Leopold, R. Baydack, E. Campbell, A. Crossley, T. Decker, M. Hutchins, B. Minser, T. Ryder, B. Thompson, D. Yasuda. 2008. **Pivotal challenges for wildlife: perspective from 2008 TWS Council.** The Wildlife Professional. 2(2): 11-13.

Svedarsky, W. D., C. Buttleman, T. Magnusson, P. Buesseler, B. Winter, and A. Krohn. 2003. **Stewardship planning where nature and aggregate resource use collide in Minnesota.** Land and Water. 47:52-57.

Svedarsky, W. D., M. A. Kuchenreuther, G. J. Cuomo, P. Buesseler, H. Moechnig, and A.

Singh. 2002. **A Landowner's Guide to Prairie Management in Minnesota.** Jointly published by the University of Minnesota, Natural Resources Conservation Service, and the Minnesota Department of Natural Resources. 40 p. A pdf copy posted on the following web site:

<http://www.crk.umn.edu/research/pubs/LandownersGuideSved.pdf>

Winter, M., D.H. Johnson, J. D. Dechant, T.M. Donovan, and W.D. Svedarsky. 2002. **Evaluation of the Bird Conservation Area Concept in the northern tallgrass prairie.** Final Report for the U.S. Department of the Interior, U.S. Geological Survey, Northern Prairie Wildlife Research Center, Jamestown, North Dakota, USA.

Svedarsky, W.D., R.H. Hier, and N.J. Silvy, Eds. 1999. **The greater prairie chicken: a national look.** Miscellaneous Publication 99-1999. Minnesota Agricultural Experiment Station, University of Minnesota, St. Paul. (Authored 2 papers in this proceedings which contains a total of 17 papers/chapters).

Feiro, T.A., and W.D. Svedarsky. 1999. **A census of waterfowl and selected waterbirds at the Rydell National Wildlife Refuge.** 1998. Northwest Experiment Station, Miscellaneous Report.

Svedarsky, W.D., and J.T. Huseby. 1997. **Wildlife and wild rice.** CURA Newsletter (a publication of the Center for Urban and Regional Affairs, U of MN, Minneapolis) 26:15-17.

Svedarsky, W.D., and G.L. Van Amburg. 1996. **Integrated management of the greater prairie chicken and livestock on the Sheyenne National Grasslands.** Northwest Experiment Station, U. of Minnesota, Crookston. 243 p. Available on the Internet at: Northern Prairie Science Center, National Biological Service, Jamestown, ND (<http://www.npsc.nbs.gov/>).

Svedarsky, W.D., B.J. Holder, R.H. Hier, and T.J. Wolfe. 1994. **The Burnham Creek Wildlife Management Area: A flood control and wildlife management project in northwest Minnesota.** Pages 65-81 in J. Fischer, ed. Proc. Third National Watershed Conf., Nat. Watershed Coalition, Lakewood, CO. 312 p.

Svedarsky, W.D. 1992. **Biological inventory of a multi-purpose flood control impoundment in northwest Minnesota and potentials for nongame and game bird management.** Northwest Experiment Station, Univ. of Minnesota, Crookston. 115 p.

Svedarsky, W.D. 1992. **A whooping crane in Minnesota.** The Loon 62:179-181.

Svedarsky, W.D., ed. 1990. **Proc. 18th Conf. Prairie Grouse Technical Council.** Univ. of Minn., Crookston. 31 p.

Svedarsky, W.D. ed. 1987. **Proc. 17th Conf. Prairie Grouse Technical Council.** Univ. of Minn., Crookston. 43 p.

Svedarsky, W.D., T.J. Wolfe, M.A. Kohring, and L.B. Hanson. 1986. **Fire management of prairies in the prairie-forest transition of Minnesota.** Pages 103-107 in A.L. Koonce, ed. Prescribed burning in the Midwest: State of the art. Univ. of Wisc., Stevens Point. 162 p.

Svedarsky, W.D., and T.A. Feiro. 1986. **Summer birds of single-row windbreaks in northwest Minnesota.** Page 249 in D.L. Hintz and J.R. Brandle, eds. Proc. of Int. Symp. on Windbreak Technology. Gr. Plains Ag. Counc. Pub. No. 117. Lincoln, NE. 308 p.

Svedarsky, W.D. 1982. **The Red River Valley Natural History Area: Wildlife management and environmental education in an abandoned gravel pit in northwest Minnesota.** Pages 132-140 in W.D. Svedarsky and R.D. Crawford, eds. Wildlife values of gravel pits. Misc. Pub. 17-1982. Ag. Exp. Sta., Univ. of Minn., St. Paul. 249 p.

Svedarsky, W.D., and R.D. Crawford, eds. 1982. **Wildlife values of gravel pits.** Misc. Pub. 17-1982. Ag. Exp. Sta., Univ. of Minn., St. Paul. 249 p.

Svedarsky, W.D., R.J. Oehlenschlager, and T.D. Tonsager. 1982. **A remnant flock of greater prairie-chickens in north central Minnesota.** Loon 54:5-13.

Svedarsky, W.D. 1981. **The use of a sod-cutter in transplanting prairie.** Restor. and Manage. Notes 1:11.

Svedarsky, W.D. 1981. **Goshawk kills prairie-chicken on booming ground in northwest Minnesota.** Loon 53:112-113.

Svedarsky, W.D. 1979. **Spring and summer ecology of female greater prairie-chickens in northwestern Minnesota.** Ph.D. Thesis. Univ. of North Dakota, Grand Forks. 166 pp.

Svedarsky, W.D. 1977. **Winter observation of a merlin in Polk County.** Loon 49:108-109.

Svedarsky, W.D. 1976. **Reflections 'round a buffalo rock.** Minnesota Volunteer. 39:2-5.

Svedarsky, W.D., and T. Wolfe, eds. 1973. **The prairie chicken in Minnesota.** Univ. of Minnesota, Crookston. 102 p.

Svedarsky, W.D. 1973. **Land where the water runs north.** Minnesota Volunteer 36:49-54.

Contributor to: Anderson, O.S., and M.L. Forthun, eds. 1971. **RIVER: Recommendations for improving the valley environmental resources.** North Dakota Water Resources Research Institute Pub. No. WI-233-001-71: VI-A Fargo, ND. 158 p.

3. Reports and notes

Svedarsky, W.D. 2009. **Inculcate attitudes of stewardship and sustainability.** Society and Environment. Published by Zayed International Prize for the Environment. Dubai, United Arab Emirates. January 2009

Svedarsky, W.D. 2008. **“President’s Podium – Wildlife management in an era of sustainability.”** 2008. The Wildlifer. The Wildlife Society, Bethesda, MD. No. 346. Summer 2008.

Svedarsky, W.D. **President’s Podium – Connecting people to the land.** 2008. The Wildlifer. The Wildlife Society, Bethesda, MD. No. 344: 3. Winter 2008.

Svedarsky, W.D. **Leadership in one world**. 2007. *The Wildlife Professional*. Vol 1(3): 6. The Wildlife Society, Bethesda, MD. Fall 2007.

Svedarsky, W.D., P.A. Baird, and J.P. Loegering. 2003. **Natural resources at U.M.C. - a guide for new students**. U. of Minnesota, Crookston.

Svedarsky, W.D. 1989. **Wildlife and CRP in northwest Minnesota**. NW Exp. Sta. News. Vol. 17, No. 2.

Svedarsky, W.D. 1988. **The American kestrel**. (Fact sheet and plans for nesting box). NW Exp. Sta., U. of Minn., Crookston. 2 p.

Svedarsky, W.D. 1988. **American kestrel - the farm falcon**. NW Exp. Sta. News. Vol. 16, No. 1, with follow-up note in *Minnesota Science* (1988, Vol. 43, No. 3).

Svedarsky, W.D. 1987. **Wildlife values of single row windbreaks**. NW Exp. Sta. News. Vol. 15.

Svedarsky, W.D. 1986. **Students are changing: What about us teachers?** *Transfer*. (A cooperative publication of the University of Minnesota Technical Colleges). Spring 1986.

Svedarsky, W.D. 1985. **Resource inventory and management considerations manual for Wetlands, Pines and Prairie Audubon Sanctuary**. 160 p.

Svedarsky, W.D. 1985. **Spring census of sharp-tailed grouse on selected taconite tailing basins in northeastern Minnesota**. Unpublished report on contract research conducted for the Iron Range Reclamation and Rehabilitation Board, Calumet, MN. 6 p.

Svedarsky, W.D. 1980. **The Red River Valley Natural History Area - a living classroom**. *Transfer*. Summer 1980.

4. Papers, plans, and books edited or reviewed

Flake, L, J. Connelly, T. Kirschenmann, and A. Lindbloom. 2011. **Grouse of Plains and Mountains—The South Dakota Story**. South Dakota Game, Fish, and Parks Department. (book reviewer)

Oja, M. 1999. **Management guidelines for the sharp-tailed grouse in Minnesota**. Natural Resources Conservation Service Technical Guidelines. (reviewer)

Westemeier, R.L., et al. 1998. **Tracking the long-term decline and recovery of an isolated population**. *Science* 283:1695-1698. (referee)

Restoration and status of the ruffed grouse in Kansas. *Prairie Naturalist*. (referee)

Schroeder, R. **Habitat management in tallgrass prairies in the Dakotas and Minnesota**. A management handbook for field managers of the U.S. Fish and Wildlife Service. (reviewer)

USDA-ARS, NCR-Sustainable Agriculture Research and Education Grants Program. Project title: **Agricultural Wetland Management**. 1996.

USDA-NRCS. Planning manual entitled, **Minnesota wildlife habitat evaluation system**. 1996.

USDA-U.S. Forest Service. **Research protocol for quantifying residual cover on the Little Missouri National Grasslands in North Dakota**. 1996.

Buttleman, C.G. 1992. **A handbook for reclaiming sand and gravel pits in Minnesota**. Div. Minerals, Minn. DNR, St. Paul. 65 p.

Minnesota Extension Service. 1990. Wildlife biology resource manuals for state 4-H program. (Six manuals) 200 p.

Minnesota D.N.R. 1989. A review of regulations regarding the reclamation of sand and gravel pits in Minnesota. Minn. DNR, St. Paul. 72 p.

Higgins, K.F., A.D. Kruse, and J.L. Piehl. 1989. **Effects of fire in the northern Great Plains**. Bull. No. EC-761. S. Dakota State Univ., Brookings. 48 p.

Higgins, K.F., A.D. Kruse, and J.L. Piehl. 1989. **Prescribed burning guidelines in the northern Great Plains**. Bull. No. EC-760. S. Dakota State Univ., Brookings. 36 p.

Henderson, C.L. 1988. **Landscaping for wildlife**. Minn. D.N.R., St. Paul. 145 p.

Swann, E. 1987. **Management techniques for the greater prairie-chicken**. U.S. Fish and Wildlife Serv., Ft. Collins, CO. 8 p.

Minnesota Department of Natural Resources. 1987. **A plan for greater prairie chickens in Minnesota**.

Piehl, J.L., ed. 1986. **Wetland restoration - a techniques workshop**. Minn. Chapter, The Wildlife Society, Fergus Falls. 48 p.

Reviewed greater prairie chicken management plan for the state of Illinois and sharp-tailed grouse management plan for Wisconsin.

5. Papers presented at professional meetings

Svedarsky, W.D., D. Trauger, D. Schad, and J. Martin. Natural resource management in the United States: Leadership in a world of limits. International symposium on energy efficiency and mechanics. Inverness, Scotland. 15-18 August 2016.

Svedarsky, W.D., J. Bruggman, and S. Felege. 2016. **Integrated management of cattails for habitat management and biofuel**. Bioeconomies at a watershed scale workshop. Winnipeg, MB. 1-2 Feb 2016.

Svedarsky, W.D., J. Bruggman, and S. Felege 2015. **Integrated management of cattails for habitat management and biofuel**. Annual meeting of The Wildlife Society, Winnipeg, Manitoba. 17-21 Oct 2015.

Svedarsky, W.D. 2015. **Integrated management of cattails in Minnesota.** Minnesota Energy Roundtable, AURI. Rochester, MN. August 2015.

Svedarsky, W.D., J. Bruggman, and S. Felege **Integrated management of cattails in Minnesota.** International Wildlife Management Congress. Sapporo, Japan. 26 July 2015.

Svedarsky, W.D., J. Bruggman, and S. Felege. 2015. **Integrated management of cattails in Minnesota.** Great Lakes Biomass Harvesting Workshop, Loyola U. Chicago, IL. 3 June 2015

Svedarsky, W.D. 2015. **Leadership in a world of limits.** North American Wildlife and Natural Resources Conference. Omaha, NE. 9 Feb. 2015

Svedarsky, W.D. 2015. **Prairie grouse in Minnesota.** Midwest Wildlife Conclave. Sandstone, MN. 27 March 2015

Svedarsky, W.D. 2015. **Sustainability outreach to the community.** Upper Midwest Association of Sustainability in Education Conference. Bemidji, MN.

Svedarsky, W. D. **Prairie restoration - up close and personal - at a University campus.** Second Annual America's Grasslands Conference. Manhattan, KS. August, 2013.

Svedarsky, W. D., V. Lane, E. Hutchins, D. Rave, D. Bennett, J. Dowler, L. Fairchild, and R. Gagner. **Evaluation of cattails for bioenergy production and wetland wildlife management in northwest Minnesota.** Annual meeting of Minnesota Chapter, The Wildlife Society. Walker, MN. 5-7 February 2013.

Svedarsky, W.D. and J. Loegering. **Preparing wildlife professionals for the future.** North Dakota Chapter of The Wildlife Society 50th anniversary meeting. Bismarck, ND. 13-15 February 2012. Invited speaker.

Svedarsky, W. D., D. Schad, and D. Schad. **Resource management in an energy constrained future in the United States.** 4th International Wildlife Management Congress. Durbin, South Africa. July, 2012.

Svedarsky, W. D., D. Trauger, and E. Gates. **Peak oil and other sustainability considerations in resource management – core competency implications.** Symposium on, *“Core competencies and wildlife professionals in a changing world,”* sponsored by the College and University Wildlife Education Working Group of TWS. Venue: Annual meeting of The Wildlife Society, Portland, Oregon. 13-17 October 2012.

Svedarsky, D., D. Trauger, and D. Schad. **Resource management in an energy constrained future.** Joint annual meeting of Minnesota and North Dakota Chapters of The Wildlife Society. Fargo, ND. 7 February 2012.

Svedarsky, W.D, M. Knudson. 2011. **The journey to develop and implement a Climate Action Plan at the University of Minnesota, Crookston.** Upper Midwest Association for Campus Sustainability conference. U of MN, Morris. 23-24 September 2011.

Svedarsky, D., J. Huseby, and R. Norrgard. 2011. **Potentials of cultivated wild rice paddies as moist soil management units in Minnesota.** Annual meeting of Wild Rice Council. Grand Rapids, MN. 23-24 February 2011.

Svedarsky, D. **Global climate change perspectives from Copenhagen and recommendations for local applications.** Plenary presentation at joint meeting of Minnesota Chapters of, The Wildlife Society, Society of American Foresters, and American Fisheries Society. Nisswa, MN 1-3 March 2010.

Waltz, C, and D. Svedarsky. **Crookston campus of U of MN progress towards implementing climate neutrality and sustainability.** Annual conference of Upper Midwest Association for Campus Sustainability. U of W, River Falls. 9-10 April 2010

Schad, D. Svedarsky, S. Salvevold, T. Hughes, and W. Kessler. **Employer views of wildlife education: core competencies and effective use of advisory committees.** Annual meeting of The Wildlife Society. Snowbird, Utah. October 2010.

Svedarsky, D, and R. Johnson. **Discipline-based education and training.** 37th annual conference of the Natural Areas Association. Tan-Tar-Ra Resort, Osage Beach, MO. 26-28 October 2010.

Svedarsky, W. D., S. Kahan, J. Courneya, J., and S. Maanum. 2009. **“Smile, you’re on Cupido Camera – real world science education in the Minnesota prairie.”** 28th Prairie Grouse Technical Council Conference and Council meeting. Portales, NM. 5-8 October 2009.

Svedarsky, W. D. 2009. **“Things ain’t what they used to be,”** and, McMullin, S. L., Svedarsky, W.D., W.D., Riley, S.J., Organ, J., Fulton, D.C., and Schad, D. 2009. **“The Coursework of Conservation: Are University Curricula on Target? A Synthesis.”** At North American Wildlife and Natural Resources Conference special session entitled, *“The Coursework of Conservation, are University Curricula on Target?”* Arlington, VA. 23-29 March 2009.

Svedarsky, W.D. 2008 **Meeting the future as one – TWS as a partner.** Presented to national meeting of the Wildlife Services Division of USDA. Estes Park, CO. May 2008.

Svedarsky, W.D. **“Integrated wildlife management in an era of sustainability.”** Joint meeting of the Central Mountains and Plains Section and first annual meeting of the Canadian Section of The Wildlife Society. Gimli, MB. 15-16 August 2008

Svedarsky, W.D. **“Integrated wildlife management in an era of sustainability.”** Presented to Paul Smiths Student Chapter of The Wildlife Society. Paul Smiths, NY. 12 September 2008.

Svedarsky, W.D., E. Castle, and L. Bell. 2008. **“Butterflies, raingardens and nature-scaping: the forgotten urban watershed.”** Annual meeting of North Dakota Park and Recreation Association. 25 September 2008. Grand Forks, ND.

Svedarsky, W.D. 2008. **“The future of hunting in the U.S”.** Panel speaker. Mississippi State University. Starkville, MS. 1 October 2008.

Svedarsky, W.D. 2008 **“The status of The Wildlife Society in an era of limits and uncertainty.”** Plenary speaker. Annual meeting of Mississippi Chapter of The Wildlife Society. 2 October 2008. Jackson, MS.

Svedarsky, W.D. 2008 **“The status of The Wildlife Society in an era of limits and uncertainty.”** Annual meeting of Southeast Section of The Wildlife Society. 13 October 2008. Corpus Christi, TX.

Svedarsky, W.D. 2009. . **“Integrated wildlife management in an era of sustainability.”** Fiscus guest lecturer. South Dakota State University. Brookings, SD. 28 January 2009.

Svedarsky, W.D. 2009 **“Student Chapters of TWS – making a difference locally and staging for the future”** Student chapter of The Wildlife Society, South Dakota State University. Brookings, SD. 28 January 2009.

Svedarsky, W.D. 2007. **“Sustainable development and renewable energy potentials in northwest Minnesota.”** Annual meeting of Area One Soil and Water Conservation Districts. U of Minnesota, Crookston. 12 March 2007.

Svedarsky, W. D. **“Sustainable development, renewable energy, and implications for wildlife management.”** Closing presentation at Midwest Wildlife Conclave. Steven’s Point, WI. 15 April 2007.

Svedarsky, W.D. 2006. **“Prairie grouse in the Aspen Parkland.”** Ecology of the Aspen Parkland Conference. U of Minnesota, Crookston. 23-24 October 2006.

Svedarsky, W.D., J.P. Loegering, and D.B. Arscott. **Nature-related recreation and tourism in northwest Minnesota.** Third International Wildlife Management Congress. Christchurch, New Zealand. 1-5 December 2003.

Loegering, J.P., D.B. Arscott, and W.D. Svedarsky. **Economic impacts of nature-based recreation in northwest Minnesota.** Third International Wildlife Management Congress. Christchurch, New Zealand. 1-5 December 2003.

Svedarsky, W.D., R.H. Hier, and J.P. Loegering. **Planning native plant communities for wildlife benefits.** Native Plant Summit VII. Planning native landscapes – urban and rural. Fargo, ND. 16-18 September 2003.

Svedarsky, W.D., J.P. Loegering, and R.H. Hier. **Prairie chickens and their remarkable natural history and relationship to man.** Midwest Birding Symposium. Green Bay, WI. 11-14 September 2003.

Svedarsky, W.D. and D.M. Weber. **Post-mining environs in northwest Minnesota.** Minnesota Aggregate Conference; regulations, environmental effects, and reclamation. St. Cloud, MN. 6-7 March 2003.

Svedarsky, W.D. 2003. **Prairie chickens; habitat needs and where to find them.** 20th Anniversary and National Convention of Pheasants Forever. Minneapolis, MN. 10-12 January 2003.

Hier, R.H. and W.D. Svedarsky. **Status of tallgrass prairie reconstruction in the Midwest.** Annual meeting of The Wildlife Society. Bismarck, ND. 23-28 September 2002.

Svedarsky, W.D., R.L. Westemeier, R.J. Robel, S. Gough, and J.E. Toepfer. **Status and management of the greater prairie chicken in North America.** International Grouse Symposium, Rovaniemi, Finland and 23rd Prairie Grouse Technical Conference, Gimli, Manitoba. September, 1999.

Engelstad, J.L., W.D. Svedarsky, and M. Winter. **"Avian communities of the forest-prairie ecotone in northwest Minnesota and management implications."** Midwest Fish and Wildlife Conference, Cincinnati, Ohio. December, 1998.

Winter, M., T. Donovan, J.R. Faaborg, D.H. Johnson, and W.D. Svedarsky. **Patch size and landscape effects on density and nesting success of tallgrass prairie birds.** Midwest Fish and Wildlife Conference, Cincinnati, Ohio. December, 1998.

Svedarsky, W.D. and J.T. Huseby. **"Wildlife use of cultivated wild rice paddies in Minnesota, U.S.A."** Technical seminar for resource managers of South Australia. Adelaide, South Australia, Australia. May, 1996.

Feiro, T.A., W.D. Svedarsky, and J.T. Huseby. **"American kestrel nest box use in an agricultural environment in northwest Minnesota."** Raptor Research Conference. Duluth, MN. September, 1995; and Midwest Fish and Wildlife Conference, Detroit, MI. December, 1995.

Svedarsky, W.D. **"Forest wetlands: form, function, and values - conference summary."** Summer meeting of Minnesota Chapter of The Wildlife Society. Grand Rapids, MN. August, 1995.

Huseby, J.T., R.D. Crawford, and W.D. Svedarsky. **"Waterfowl use of cultivated wild rice paddies in northwest Minnesota."** Midwest Fish and Wildlife Conf., Indianapolis, IN. December, 1994.

Huseby, J.T. and W.D. Svedarsky. **"Waterfowl and nongame bird use of cultivated wild rice paddies in northwest Minnesota."** Annual meeting of Minnesota Ornithologists' Union, Minneapolis, MN. December, 1993.

Svedarsky, W.D., C.F. Tydeman, and R.D. Crawford. **"Gravel pits as habitat for wetland wildlife in North America and Europe."** Int. Wildl. Manage. Cong., San Jose, Costa Rica. September, 1993.

Svedarsky, W.D., R.H. Hier, and T.J. Wolfe. **"Biological inventory and management of a multi-purpose impoundment and restored wetland in northwest Minnesota."** Prairie ecosystems: wetland ecology, management and restoration symposium. Jamestown, ND. August, 1993.

Svedarsky, W.D., B.J. Holder, R.H. Hier, and T.J. Wolfe. **"The Burnham Creek Wildlife Management Area. A flood control and wildlife management project in northwest Minnesota."** Third National Watershed Conference, Jackson, MS. April, 1993. (Invited paper)

Svedarsky, W.D., R.H. Hier, and K.J. Johnson. **"Bird use of the Burnham Creek Wildlife Management Area."** Annual meeting of Minnesota Ornithologists' Union. Minneapolis. December, 1990.

Svedarsky, W.D. **"Wildlife values of windbreaks."** Annual meeting of Society of American Foresters. Minneapolis, MN. October, 1987. (invited paper)

Svedarsky, W.D. and T.J. Wolfe. **"Land use changes, fur prices, and prairie-chicken populations in Polk County, Minnesota."** 17th Conf. Prairie Grouse Tech. Coun. Crookston, MN. September, 1987.

Svedarsky, W.D. **"Prairie-chicken restoration in Minnesota."** First in the Nation - A Review of Minnesota's Nontraditional Wildlife Programs Conference. Minneapolis, MN. February, 1987.

Svedarsky, W.D. **"New opportunities for wildlife in old gravel pits."** Public Relations Forum sponsored by National Crushed Stone Association and the National Sand and Gravel Association. St. Paul, MN. August, 1986. (invited paper)

Svedarsky, W.D. and T.A. Feiro. **"Summer birds of single-row windbreaks in northwest Minnesota."** Int. Symp. on Windbreak Technology. Lincoln, NE. June, 1986.

Svedarsky, W.D. **"A new slide-tape program on the greater prairie-chicken in Minnesota."** 16th Conf. Prairie Grouse Tech. Coun. Sedalia, MO. September, 1985.

Svedarsky, W.D. **"Gravel pits as wildlife habitat."** Wisconsin Conference on Gravel Pit Reclamation. Wausau. April, 1984. (invited keynote speaker)

Svedarsky, W.D. **"Reclaiming gravel pits for wildlife."** Seventh Aggregate Conf. St. Cloud, MN. December, 1983.

Svedarsky, W.D. and T.J. Wolfe. **"A plan for greater prairie-chickens in Minnesota."** 15th Conf. Prairie Grouse Tech. Coun. Emporia, KS. September, 1983.

Wolfe, T.J. and W.D. Svedarsky. **"Using fire at the edge of the prairie in northwest Minnesota."** Management of Public Lands in the Northern Great Plains Workshop. Bismarck, ND. March, 1983.

Svedarsky, W.D. **"Aggregate pits and wildlife."** Fifth Annual Aggregate Conf. St. Paul, MN. December, 1981.

Svedarsky, W.D. **"Symposium summary."** Priorities for Nongame Conservation in Minnesota Symp. St. Paul, MN. April, 1981.

Svedarsky, W.D. **"Wildlife use of abandoned gravel pits."** Mineral Extraction and Landfill Site Regulations and Reclamation Conf. St. Paul, MN. April, 1981.

Svedarsky, W.D., T.A. Feiro, and D.N. Sandstrom. **"Breeding birds of abandoned gravel pits in northwestern Minnesota and some management opportunities."** 42nd Midwest Fish and Wildlife Conf. St. Paul, MN. December, 1980.

Svedarsky, W.D. and T.J. Wolfe. **"The status and management of greater prairie-chickens in Minnesota."** North American Prairie Grouse Symp. Stillwater, OK. September, 1980.

Oring, L. and W.D. Svedarsky. **"Birds of prairie communities in Minnesota."** Avian Ecology and Habitat Management Symp. Cass Lake, MN. March, 1979.

Svedarsky, W.D. **"Major prairie communities in Minnesota."** Avian Ecology and Habitat Manage. Symp. Cass Lake, MN. March, 1979.

Svedarsky, W.D. **"Reproductive ecology of the greater prairie-chicken in northwestern Minnesota."** 12th Conf. Prairie Grouse Tech. Coun. Pierre, SD. September, 1977.

Jorgenson, J.P. and W.D. Svedarsky. **"Progress report on spring and summer movements and habitat use by greater prairie-chickens in northwestern Minnesota."** 11th Conf. Prairie Grouse Tech. Coun. Victoria, TX. September, 1975.

Svedarsky, W.D. and P.E. Buckley. **"Some interactions of fire, prairie and aspen in northwest Minnesota."** 4th Midwest Prairie Conf. Grand Forks, ND. August, 1974.

Svedarsky, W.D. **"The organization of the Minnesota Prairie Chicken Society."** Annual meeting of the Minnesota Ornithologists Union. Minneapolis. December, 1973.

6. Presentations to other groups

Svedarsky, W. D. and L. Leake. **A new program in Natural Resource Aviation at the University of Minnesota.** Annual meeting of the International Association of Natural Resource Pilots. Ft. Collins, CO. 30 Sept-3 Oct. 2003.

Svedarsky, W. D. **Prairie chickens and the Minnesota Prairie Chicken Society.** Annual meeting of the Minnesota Sharp-tailed Grouse Society. Long Lake Conservation Center, McGregor, MN. 5 April 2003.

Svedarsky, W.D. **"The Celebrating Our Wildlife Conservation Heritage Project of The Wildlife Society."** Central Mountains and Plains Section of The Wildlife Society. Falcon Lake, Manitoba. 10 August 2000.

Svedarsky, W.D. **"National perspectives of The Wildlife Society."** Missouri Natural Resources Conference and annual meeting of the Missouri Chapter of The Wildlife Society. Osage Beach, MO. 4 January 2001.

Svedarsky, W.D. **"Bird conservation in gravel pits."** Fargo-Moorhead Chapter of the National Audubon Society. Moorhead, MN. 25 January 2001.

Svedarsky, W.D. **"National status of the greater prairie chicken"** and **"Resource management in the 21st Century: The future ain't what it used to be."** Glenn Paur Memorial Conservation Lectures, University of North Dakota, Grand Forks. 15 and 16 February 2001. (Invited).

Svedarsky, W.D. "**Threats to wildlife and research needs in the new Millennium: Perspectives from The Wildlife Society.**" Annual meeting and conference of the Michigan Chapter of The Wildlife Society. Michigan State University, East Lansing. 9 March 2001. (Invited).

Svedarsky, W.D. and J. L. Loegering. "**Natural resources and the conservation of rural society.**" A rural development forum on the occasion of the meeting of the University of Minnesota Rural Development Council. Crookston, MN. 11 April 2001.

Svedarsky, W.D. "**Reflecting on the chicken people**" Annual meeting of the Minnesota Prairie Chicken Society. Backus, MN. 28-29 April 2001.

Svedarsky, W.D. "**The first 20 years of the Minnesota Prairie Chicken Society**". 20th annual meeting of the Minnesota Prairie Chicken Society. Rothsay, MN. April, 1993. (keynote address)

Svedarsky, W.D. "**History of the Minnesota Prairie Chicken Society.**" First annual meeting, North Dakota Prairie Chicken Society. Fargo, ND. April, 1990.

Svedarsky, W.D. "**Reproductive ecology of the greater prairie-chicken in Minnesota.**" Annual meeting, Minnesota Prairie Chicken Society. Glyndon, MN. April, 1989.

Svedarsky, W.D. and T.A. Feiro. "**Wildlife studies in an agricultural landscape.**" Regional meeting of Soil and Water Conservation Districts. Crookston, MN. November, 1988.

Svedarsky, W.D. "**Reclaiming gravel pits for wildlife.**" Invited presentation to Governor's Task Force on Sand and Gravel Mine Reclamation. St. Paul, MN. August, 1988.

Svedarsky, W.D. "**Wildlife implications of swampbuster.**" Testimony at U.S. House Committee on Agriculture hearing reviewing sodbuster and swampbuster provisions of the Food Security Act of 1985. Moorhead, MN. July, 1988.

Svedarsky, W.D. "**Wildlife management opportunities in the Red River Valley.**" Science Seminar, Concordia College. Moorhead, MN. October, 1986.

Svedarsky, W.D. "**Ethical choices in natural resources management.**" Panel speaker at Ethics in Education program. U. of Minn., Crookston. March, 1986.

Svedarsky, W.D. "**The prairie-chicken in Minnesota.**" Annual meeting of Minnesota Conservation Federation. Fergus Falls, MN. September, 1985.

D. DISCIPLINE-RELATED SERVICE ACTIVITIES AND MEMBERSHIPS:

1. Organization membership

The Wildlife Society (TWS):

National – President (2008-09). Past-Chair of College and University Wildlife Education Working Group. Member of Ecological Restoration, Biofuels, and Urban Wildlife

Working Groups. Chair of Program Committee for 2002 National Conference. Attended Council meetings and chaired session of Prairie Grouse Symposium. Committees: Plenary Session and Celebrate our Wildlife Conservation Heritage (COWCH). Bismarck, ND. 23-30 September 2002. North Central Section (8 states) Representative to TWS (1998 – 2001), Member of selection committee for sand and gravel pit reclamation awards program (1984-86), Technical Session Committee for 61st N. Am. Wildlife Conf. (1995).

North Central Section - Secretary (1983), President (1991) and member of planning committee for Section-sponsored symposium entitled, "Wildlife Management in 2020," former chair of selection committee for Professional Award of Merit, and former member of nomination and elections committee.

Minnesota Chapter - Former chair of awards, and nominations and elections committees.

North Dakota, Wisconsin, and Manitoba Chapter member

North American Wildlife Technology Association (A professional organization of 2-year natural resources programs in the U.S. and Canada):

President (1988-89), host of annual meeting in Minnesota, and member of accreditation committee (1989-92)

Minnesota Prairie Chicken Society:

(Newsletter editor (1973-77), President (1982-84), current Board member).

Prairie Grouse Technical Council:

Chairman (1986-87 and 2011-13), Executive Board Member (87-91) and chair of Hamerstrom Award Selection Committee (1987-89).

The Nature Conservancy; advisor, and volunteer tract manager.

Soil and Water Conservation Society. (National and MN chapter)

2. Activities

Organized and hosted 30th meeting of the North American Prairie Grouse Technical Council and Conference. October 2013.

Delegate of The Wildlife Society to **Coalition of Natural Resource Societies Conference**. To develop an action plan to educate future natural resources professionals. 19-21 September 2011. Denver, CO.

Served on national **Blue Ribbon Panel** to evaluate **The future of the wildlife profession** and make recommendations for educational programming. Orlando, FL. 7-10 November 2010. Sponsored by USDA.

Co-conducted external review of Caesar Kleberg Wildlife Research Institute for Texas Higher Education Board at Texas A & M University, Kingsville. 1-3 September 2010.

Member of Prairie Pothole Region Integrated Planning Technical Team (Agriculture and Economics section) of U.S. Fish and Wildlife Service. 2010 to present.

Member of Watershed Specialist Training Advisory Committee. Planning project coordinated by the Water Resources Center, U of MN. 2010-2011.

Member of ecological monitoring advisory committee, Glacial Ridge National Wildlife Refuge. Mentor, MN.

Co-organized special session on, **The coursework of conservation; are university curricula on target**, at the 2009 North American Wildlife and Natural Resources Conference. Arlington, VA. 16-21 March 2009.

Contributed to research planning working group for the Prairie Coteau landscape of South Dakota, North Dakota, and Minnesota for the National Fish and Wildlife Foundation. South Dakota State University, Brookings. 29 January 2009.

Member of **Private Stewardship Grants review team** for the U. S. Fish and Wildlife Service, Region 3. Recommended awards totaling \$ 1.2 million for projects in the 8 North Central States related to threatened and endangered species. Chicago, IL. 30-31 January 2003, and 2 others.

Development of demonstration plot and evaluation of propagation techniques for *Echinacea angustifolia*, a valuable native prairie plant with medicinal properties. Provide information to prospective growers interested in alternative crops on marginal land.

Presentation to Pembina Trail R C & D Association on, **“Fire and grazing management of prairie.”**

Providing wildlife conservation inputs to the Natural Resources Conservation Service on seeding and cover management on CRP lands in Area One of Minnesota.

Founded and continue to serve on the Board of Directors of the Minnesota Prairie Chicken Society which received the “Group Achievement Award” at the annual meeting of The Wildlife Society in Austin, Texas in September, 1999. This is a prestigious national award and only one is given per year.

Served as a resource person to the Red River Basin Flood Reduction Mitigation Project; an inter-agency and citizen planning effort designed to develop comprehensive land and water planning for northwest Minnesota, 1997-1998.

Invited scientist to a 3-day training session for wetland managers of the U.S. Fish and Wildlife Service in Minnesota. 3-5 March 1999, Fergus Falls, MN.

Member of 18 person wetlands delegation to Australia and New Zealand. A project sponsored by People to People International and Ducks Unlimited to promote information exchange and goodwill. 20 May - 2 June 1996.

Organizer and leader of "**Ecology of the forest-prairie transition in Minnesota,**" a field trip for the annual meeting of the American Society of Mammalogy. Grand Forks, ND. June, 1996.

Field trip organizer for the annual meeting of the National Association of College Teachers of Agriculture (NACTA). Crookston, MN. June, 1996.

Member of Technical Session Committee of The Wildlife Society which organized the technical session at the North American Wildlife and Natural Resources Conference. Tulsa, OK. March, 1996.

Technical consultant to **Governor's Roundtable on Wetland Issues** for the Board of Water and Soil Resources. St. Cloud, MN. January, 1996.

Steering Committee member to develop a state wetlands plan. Minnesota Department of Natural Resources. 1995 to 1997.

Member of Native Grasses and Forbs Committee, Minnesota Crop Improvement Association. St. Paul, MN. 1995 to 1997.

Research/Information resource person representing University of Minnesota. Red River Basin Planning Project, International Coalition. Moorhead, MN. 1995 to present.

Member of Technical Advisory Group for Northern Tallgrass Prairie Project of the U.S. Fish and Wildlife Service. 1995 to 1998.

Steering committee member. Rydell National Wildlife Refuge, U.S. Fish and Wildlife Service. Mentor, MN. 1994 to 2000.

Management and research committee. Itasca State Park, MN DNR. 1995 to 1998.

Member, Commissioner's Advisory Committee on Scientific and Natural Areas, Nongame, and Natural Heritage Programs. Minnesota Department of Natural Resources. 1990-1995.

Coordinator, "**Natural Resources Forum**" and host of Commissioner of Natural Resources at Crookston "Capital for a Day" observance. September 1990.

Planning committee member, and master of ceremonies for Minnesota portion of **International Prairie Tour**. A tour focusing on prairie conservation in northeastern North Dakota, northwestern Minnesota and Manitoba. 1989.

University of Minnesota representative to Sand and Gravel Mine Reclamation Advisory Committee of Minnesota Department of Natural Resources, Section of Minerals. This committee provided input to the development of a reclamation guidelines manual for Minnesota. 1989-1992.

Contributed to, "**Changing landscapes**" exhibit at Minnesota Science Museum. St. Paul, MN. 1989.

Planning committee member and speaker at "**Minnesota prairie day**", Agassiz Dunes Natural Area. Fertile, MN. August 1989.

Convenor, "**Land use after CRP forum.**" Univ. of Minnesota, Crookston. March, 1989.

Workshop facilitator on "**The 1990 Farm Bill and wildlife possibilities**" at International Hungarian Partridge Conference. Mankato, MN. August, 1989.

Advisor to Minnesota Department of Natural Resource's prairie bird research workshop. Fergus Falls, MN. 1988.

Testified at Governor's hearing on proposed Environmental Trust Fund. Crookston. 1988.

Member of Board of Directors, **Minnesota Zoo**, Minneapolis. 1988 to 1992. (Conservation education and biological programs committees).

Contributor to Governor's Task Force on Sand and Gravel Pit Reclamation. 1988.

Developed video tapes on "**Prescribed burning**" and "**Windbreaks for wildlife**" as part of a satellite TV-project coordinated by Kansas State University. 1987.

Advisory Board Member, Red Lake Watershed District. Thief River Falls, MN. 1985-1987.

Developed slide-tape program on "**The prairie chicken in Minnesota**" for the Minnesota Prairie Chicken Society. 1985.

Contributed to planning of River Bend Wildlife Area. East Grand Forks, MN. 1984-1985.

Member of planning committee which established a national awards program to recognize exemplary reclamation of gravel pits for wildlife habitat. The program was jointly sponsored by The Wildlife Society and the National Sand and Gravel Association. Served on the committee which selected the first award recipients in Washington, D.C. 1984.

Member of planning committee for Ninth North American Prairie Conference. Moorhead, MN. 1984.

Advisor to outdoor learning center project at Highland School, Crookston, Minnesota. 1983-1986.

Chairman of planning committee for "**Wildlife values of gravel pits,**" a national symposium held at Crookston, Minnesota. 1982.

Chairman of Technical Advisory Committee for the Omdahl Demonstration Farm of the Agassiz Audubon Society, Warren, MN. 1981-1987.

Member of Bird Task Force of the Endangered Species Technical Advisory Committee to the Minnesota Department of Natural Resources. 1981-1983.

Member of Natural Resources Committee of the Northwest Regional Development Commission representing the Northwest Agricultural Experiment Station. 1981-1983.

Member, Citizen's Advisory Council of Souris-Red-Rainy River Basins Commission - State of Minnesota. 1980-1982.

Organizer of the first "**Minnesota prairie: Management, research, and restoration tour.**" A look at representative prairie tracts in northwest Minnesota and current programs of management, research and restoration underway. August 17-18, 1977. Follow-up programs have since been held in other parts of the state.

Advisor - Critical Areas Program, Minnesota State Planning Agency. 1976-1979.

Assisted with negotiations for the purchase of four parcels comprising the 640-acre Pankratz Prairie (named in honor of former UMC student) and the 1770-acre Pembina Trail Preserve (two parcels). Both are natural sanctuaries of The Nature Conservancy. I assist with management activities for these Nature Conservancy tracts and serve as a resource person and guide to University of Minnesota Itasca Field Biology Station for prairie ornithology and/or farmland wildlife management classes. 1976 to present.

Annually assist with prairie-chicken census in Polk County and coordinate booming ground viewing from blinds for science and general interest groups. 1974 to present.

Chairman of planning committee for 1973 conference on, "**The prairie chicken in Minnesota.**"

Provided research planning and/or field assistance to faculty or graduate students from University of North Dakota, University of Minnesota, University of Wisconsin at Steven's Point and Madison, University of California at Fresno, Cornell University, University of Missouri and Montana State University. 1974 to present.

Prepared "**Environmental impact assessment of the proposed Highway 2 bypass on the Red River Valley Natural History Area.**" 1972. This document played an important role in the siting of an alternative route rather than through the Natural History Area.

Co-chairman of organizational committee which established the Agassiz Audubon Society (a regional chapter of the National Audubon Society). 1971.

Participant in Faculty Research Fellowship Program at North Dakota State University. Research project title: "**Systems design analysis and water resource planning.**" 1971.

One of the developing faculty for "**Environmental quality in the Lake Agassiz region,**" an inter-institutional, multi-disciplinary television project - Moorhead State University, Moorhead, MN. I prepared and presented a video tape lecture on wildlife resources. 1971.

E. UNIVERSITY-RELATED ACTIVITIES:

1. Center for Sustainability (July 2015-2017)

Coordinated sustainability activities on campus including; campus liaison to system-wide program, advise Crookston Students for Sustainable Development (CSSD), supervise student sustainability assistants, complete biennial Greenhouse Gas Inventory and Sustainability Progress Reports for American College and University Presidents' Climate Commitment, supervise GreenCorps workers when available, and work with Facilities and

Operations in campus sustainability initiatives. Work closely with city of Crookston to use sustainability principles for community development strategies; trail system, core city development, local foods, and stormwater management plan.

2. Academic Unit.

Agriculture and Natural Resources Department (Since July 2009). Teach one course per semester on a ¼ time teaching appointment. Annually advise about 10 students in schedule coordination, occasional personal problems, and job placement. Provide assistance to former students regarding transfer, job changes, and personal references. Promote and support student nominations for Pankratz Award, John Polley Soil and Water Conservation Award, Pheasant Forever Scholarship, Becker County Conservation Scholarship, and other professionally related scholarships and awards.

Natural Resources Department. Head from July, 2004 to July 2009. Administered 11 academic programs with 7 faculty, 3 support staff and about 230 students. Budget coordination and program planning.

Center for Agriculture and Natural Resources and Natural Resources Department: Served as Natural Resources Program Leader from 1987 to 2004 which involved coordination of budget and class schedules; liaison with Department advisory committee; corresponding with prospective and former students; chair, Pankratz Conservation Award selection committee; and co-advised Natural Resources Club.

Coordinated the development of courses and the baccalaureate program in Natural Resources in 1991. Developed the Compact initiative which established the new major in Wildlife Management in 1999. Led the development of joint majors in Natural Resources Aviation and Law Enforcement Aviation; approved in 2002.

Coordinated the development of courses and the 2-year Natural Resources Technology program which was fully accredited by the North American Wildlife Technology Association in 1988 and 1991.

3. Crookston Campus

Served on planning committee and emcee for, **Children and Nature Conference**, 29 September 2010 at UMC.

Co-designer and installer of **Youngquist Prairie Garden** by new UMC Student Center. Coordinated fund-raising of \$ 8,300 to date with goal of raising a \$ 25,000 endowment for a campus maintenance internship.

Designer and installer of **Shaver Butterfly Garden** in the campus, Nature Nook. Coordinated donation of \$ 37,000 endowment to generate funds for partial support of an environmental landscaping student internship.

Serve as the University of Minnesota's "**Prairie Outreach**" person in northwest Minnesota by providing assistance to private individuals and organizations wishing to establish or manage prairie vegetation and provide technical information to media outlets on prairie related topics.

Serve on **Project Advisory Committee** of the Minnesota Chapter of the **Rocky Mountain Elk Foundation**. Make recommendations for the allocation of about \$ 75,000 annually for elk-related habitat projects in Minnesota. .

Member of an informal **Research Committee for Glacial Ridges Project of The Nature Conservancy**; the largest prairie and wetlands restoration project in North America.

Coordinate maintenance and land management demonstrations at **Red River Valley Natural History Area**. Approximately 500 visitors per year utilize the facility.

Coordinated the honoring of John Polley, a former faculty member at UMC. Mr. Polley was the guest of honor at the 2002 Ag-Arama when the **John Polley Soil and Water Conservation Award** was announced. An annual award is presented at the UMC Awards Reception in April.

Chair and originator, **Ed Widseth Scholarship Development Committee**, a project to establish an endowment fund for scholarships for UMC - football student-athletes. At present, over \$ 400,000 is in an endowment which funds 5, \$ 1,500 **Ed Widseth Student Athlete Awards** which are renewable for 4 years.

Conceived and coordinated the establishment of the 85-acre **Red River Valley Natural History Area** in 1971 and continue as its director. This is used as a field facility of the Department and other educational and community groups in the region.

Facilitated the transfer of the 40-acre lowland forest tract from the Minnesota Department of Natural Resources to the University as the **Huot School Forest**.

4. All-University System

Crookston Campus Sustainability Coordinator and System-wide Sustainability Committee member. Coordinate campus sustainability affairs and contribute to annual U of MN Sustainability Report to Board of Regents.

Member of Academic Advisory Committee for the **UMore Park project of the University of Minnesota**. A committee to guide the development of a sustainable community of some 25,000 residents at the edge of the Twin Cities Metro area on ~ 5,000 acres of U of MN property. (2009-2013)

Member of **Energy Roundtable**, a state-wide, interagency, and inter-institutional energy planning effort coordinated by Agriculture Utilization and Research Institute (AURI). Hold quarterly meetings.

Member of **University of Minnesota Academy of Distinguished Teachers**; an Academy to improve the educational experience of students and provide input to instructional policy at the University of Minnesota. Member of Executive Committee from 2007-2013).

Co-led, with Dr. Dean Current from the College of Natural Resources, an **International Field Studies Seminar to Costa Rica** focusing on sustainable development. 4-19

January 2003.

Honor's Committee. Provided approval for the honorary naming of all University facilities and special awards and honors to individuals. (Appointed by President Yudof) 1999-2002.

Chair of the coordinating committee which developed a named scholarship (**William H. Marshall Field Biology Award**) at the U of MN Itasca Biological Station for the late William H. Marshall, a distinguished wildlife professor at the University of Minnesota, St. Paul. An endowment of \$12,000 was raised by 1 October 1999 and was announced at the 90th anniversary of the Station. Two \$ 500 awards are presented annually to outstanding field biology students at the Biological Station.

F. COMMUNITY SERVICE:

Member of **Crookston Stewardship Committee** – a community development planning initiative. October 2011 to present.

Coordinating **Jim Thorne Wildlife Observation Blind** environmental education project in conjunction with the Crookston High School.

Member of **Crookston Visitor's and Convention Bureau** which promotes tourism and events in the Crookston area. Promoting the development of the **Crookston Communiversiy Trail** system. July 2010 to present.

Member of brainstorming committee evaluating the feasibility of a renewable energy center involving American Crystal, City of Crookston, and Polk County. 2010.

Served on **Crookston Community Vitality Committee** which focused on enhancing the community social, economic, and environmental resources towards better resource stewardship and sustainable development. 2004-2006.

Resource person to numerous citizen and conservation groups requesting assistance on wildlife and native plant management issues.

G. GRANTS RECEIVED:

| <u>DATE</u> | <u>PROJECT</u> | <u>SOURCE</u> | <u>AMOUNT</u> |
|-------------|---|--|------------------|
| 2014 | Cattail management for wetland wildlife bioenergy potential. | Legislative Citizens Commission on Minnesota's Resources | 74,000 |
| 2012 | Stormwater management planning for Minnesota communities in northwest Minnesota with Crookston as a case study | Red Lake Watershed District. | 5,368 |
| | Feasibility study for utilization of biomass in the U of Minnesota, Crookston heating plant | Clean Energy Resource Teams (CERTS) | 4,000 |
| 2012 | Assessment of cattail cover in northwest Minnesota and potential for concurrent bioenergy harvest and wetland management. | Northwest Minnesota Foundation Institute for Renewable Energy and the Environment | 21, 570 6,934 |
| 2012 | Implementation of the Crookston Community Trail | Crookston Community Development Fund in conjunction with the Northwest Minnesota Foundation. | 4,000 |
| 2011 | Sustainability suppers to implement climate action plan at the University of Minnesota, Crookston. | Institute on Environment , U of MN | 2,500 |
| 2010 | Feasibility study for methane generation on the Crookston campus of the University of Minnesota | Agricultural Utilization and Research Institute, Crookston, MN | 2,500 |

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| 2009, 2011, 2012 | Host site for GreenCorps members as Minnesota Pollution Control community outreach specialists in Energy Conservation, Stormwater management, and Green Outreach, respectively. | | ~ 28,000 |
| 2007 | Three-year study of the Greater Prairie Chicken in conjunction with the Wisconsin Department of Natural Resources, University of Wisconsin, Madison, Minnesota Department of Natural Resources, U. S. Fish and Wildlife Service, The Nature Conservancy, and the University of North Dakota. | Wisconsin Department of Natural Resources Northwest Research and Outreach Center Minnesota Prairie Chicken Society | 154,000 10,000 5,000 |
| 2006 | Ecology of the Aspen Parkland Conference. Chair of planning committee. 23-24 October 2006 | Sponsorship from various sources | 8,000 |
| 2006 | Feasibility study for a Gateway Nature Center | NW Sustainable Regional Partnership – U of MN, Northwest Minnesota Foundation, City of Crookston, Crookston Development Authority | 30,000 |

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| 2005 | Monitoring of secretive birds at Glacial Ridge National Wildlife Refuge. | Natural Resources Conservation Service and Northwest Regional Partnership – U of MN. | 6,000 |
| 2005 | Co-PI with David DeMuth (UMC) and Linda Kingery (NW Regional Sustainable Partnership) for project, Energy Audit and Applied Research-based Recommendations for Energy Efficiency and Renewable Energy at the University of Minnesota, Crookston Campus. | Blandin Foundation | 1,200 |
| | | University of Minnesota Institute for Renewable Energy and the Environment (IREE) Seed Grant-SG-P4b-2004 | 4,500 |
| 2005 | Co-Advisor with Dean Current (Center for Integrated Agriculture and Natural Resources Center, U of MN, St. Paul) with Linda Kingery (NW Regional Sustainable Partnership) as project supervisor for project, Habitat Friendly Farming; an exploration of incentive alternatives. | Green Lands, Blue Waters initiative through the Department of Agronomy and Plant Genetics and the NW Regional Sustainable Partnership. Funding amount; approximately \$ 5,000 | 5,000 |
| 2005 | Feasibility study of Center for Sustainable Development at U of MN Crookston and the hosting of a 2-day conference on Sustainable Development | NW Sustainable Regional Partnership – U of MN, Northwest Minnesota Foundation | 5,000 |
| 2004, 2005 | Biological monitoring at the Glacial Ridge National Project. | NW Sustainable Regional Partnership – U of MN, Northwest Minnesota Foundation, Natural Resources Conservation Service | 75,000 |
| 1999 | Integrated prairie management | Legislative Commission on Minnesota's Resources, State of Minnesota | 350,000 |
| 1999 | Echinacea as an alternative crop in northwest Minnesota | Agricultural Utilization Research Institute | 5,000 |

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| 1998 | Publication of, <i>The greater prairie chicken: a national look</i> | Minnesota Prairie Chicken Society, Society of Tympanuchus Cupido Pinnatus, Minnesota Agricultural Experiment Station, St. Paul, Texas A&M University, Pembina Trail Resource Conservation and Development Association | 1,500 2,000 1,500 1,000 500 |
| 1998 | A survey of waterfowl and forest birds at the Rydell National Wildlife Refuge | U.S. Fish and Wildlife Service | 4,500 |
| 1998 | Assessment of bird conservation areas and their effectiveness in maintaining successfully reproducing populations of grassland birds (Co-leader with Doug Johnson of Northern Prairie Wildlife Research Center. | U.S. Geological Survey | 200,000 |
| 1998 | Acceleration of integrated prairie management on Glacial Lake Agassiz Beach Ridges | Pembina Trail Resource Conservation and Development Association | 13,200 |
| 1997 | Biological inventory and management plan development for Mentor Prairie Wildlife Management Area | N. American Waterfowl Conservation Act / The Nature Conservancy | 30,000 |
| 1997 | Expand Crookston campus herbarium to allow additional archival space for research voucher and weed specimen | Agricultural chemical companies (4) | 1,000 |
| 1996 | Citizen Ambassador Program Wetlands Delegation | Int. of International Studies and Programs, U of Minnesota | 750 |
| 1996 | Citizen Ambassador Program, Wetlands Delegation to Australia and New Zealand | UMC Professional Development Grants Program | 500 |
| 1996 | Integrated management of the greater prairie-chicken and livestock on the Sheyenne National Grasslands | North Dakota Game and Fish Department in conjunction with the U.S. Forest Service | 10,000 |
| 1995 | Breeding bird monitoring/wildlife refuge intern. | U.S. Fish and Wildlife Service | 3,603 |
| 1994 | Breeding bird monitoring of Rydell National Wildlife Refuge | U.S. Fish and Wildlife Service | 923 |
| 1994 | Vegetation survey of Rydell National Wildlife Refuge | U.S. Fish and Wildlife Service | 7,277 |

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| 1993-95 | Waterfowl, nongame birds, and invertebrates of cultivated wild rice paddies in northwest Minnesota (cooperative project with MN DNR and MN Cooperative Fish and Wildlife Research Unit) | MN Cultivated Wild Rice Council | 20,000 |
| | | Red Lake Watershed District | 20,000 |
| | | Center for Urban & Regional Affairs, U of MN | 11,431 |
| | | U.S. Fish and Wildlife Service | 3,000 |
| | | Wallace Dayton | 10,000 |
| | | Undergraduate Research Opportunity Program, U of MN | 1,886 |
| | | MN Waterfowl Association | 3,000 |
| | | Clearwater County Soil & Water Conservation District | 2,000 |
| 1992 | Development of UMC Wildlife Museum | Jeraldine Swain | 1,500 |
| 1990 | Biological inventory of a multiple purpose flood control impoundment in northwest Minnesota and potentials for nongame and game bird management (cooperative project with MN DNR) | Red Lake Watershed District | 6,820 |
| | | Soil Conservation Service | 6,820 |
| | | MN DNR (Nongame Program) | 1,500 |
| 1987 | Prescribed burning equipment for prairie management | MN Prairie Chicken Society | 1,500 |
| 1985 | Spring censusing of sharp-tailed grouse on taconite tailings basins in northeastern Minnesota | Iron Range Resources and Rehabilitation Board | 821 |
| 1982 | Prairie management & maintenance - Pembina Trail Preserve | The Nature Conservancy | 500 |
| 1981-82 | "Wildlife Values of Gravel Pits" - Symposium | MN DNR, Section of Wildlife | 1,000 |
| | | Caterpillar Foundation | 1,000 |
| | | MN Dept. of Transportation | 750 |
| | | Pankratz Conservation Fund | 500 |
| | | U.S. Fish & Wildlife Service | 500 |
| | | Wildlife Management Institute - American Petroleum Institute | 250 |
| | | Crookston Conservation Club | 250 |
| | | J.L. Shiely Company, St. Paul | 200 |
| Aggregate Ready-Mix of Minnesota | 200 | | |
| 1981 | Preliminary assessment of prairie chicken populations in north central Minnesota. | Minnesota Prairie Chicken Society | 400 |
| 1975 | Prairie chicken studies by graduate students, Donald Sparling and Jeffrey Jorgenson | Pankratz Conservation Fund | 500 |

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| 1975-77 | Reproductive ecology of female greater prairie chickens in Minnesota | Rydell Motors (3-yr loan of research vehicle, estimated value) | 3,500 |
| | | The Nature Conservancy | 2,000 |
| | | Minnesota Prairie Chicken Society | 1,200 |
| | | Crookston Conservation Club | 400 |
| | | Fargo-Moorhead Audubon Club | 200 |
| | | Biology Dept., UND | 100 |
| | | Agassiz Audubon Club | 50 |
| 1971 | Natural History Area development (acquisition of 10 acres, wetland restoration, road work and purchase of maintenance equipment) | Norman Pankratz Memorial Bequest | 9,000 |

GRAND TOTAL: \$ 1,202,603

Grants Requested But Not Received:

1. **Aspen Parkland – Ecosystem conservation and biomass use.** Source: Legislative Citizens Commission on Minnesota’s Resources (LCCMR). Environment and Natural Resources Trust Fund Requested: \$ 310,000

2. **Development of a program in Sustainable Facility Management.** Source: Governor’s Workforce Development Council – State Energy Sector Partnership. \$ Requested: \$ 78,389.63

H. HONORS:

Education Award, Minnesota Chapter of the Soil and Water Conservation Society. 2014

Friend of Education Award, Crookston Chamber of Commerce. January 2012

Fellow, The Wildlife Society. October, 2010

U of MN President’s Award for Outstanding Service. April, 2010

Torch and Shield Award. University of Minnesota, Crookston for notable service. October, 2008

Award of Merit from the University of Minnesota Chapter of Gamma Sigma Delta, the Honor Society of Agriculture. 2002

Minnesota Award. Minnesota Chapter of The Wildlife Society. Premier award given by the professional organization in Minnesota for contributions to wildlife conservation. 1999

University of Minnesota Academy of Distinguished Teachers. 1999

Horace T. Morse – U of Minnesota Alumni Association Award for Outstanding Contributions to Undergraduate Education. 1997

Honorary State FFA Degree, Minnesota Vocational Agriculture Association. 1996

Conservation Award, Minnesota Chapter of The Nature Conservancy. 1996

Outstanding Teacher Award, University of Minnesota, Crookston. 1995

The Hamerstrom Award presented by Prairie Grouse Technical Council. 1995

Governor's Certificate of Commendation for conservation activities. 1990

Conservation Award presented by Agassiz Audubon Society for "educational support, advice, and leadership to students of all ages in the area of natural history and conservation." 1987

Stewardship Award presented by the National Office of The Nature Conservancy. October, 1981

Biology Outstanding Graduate Student Research Award for 1978 at the University of North Dakota, Grand Forks

Snowy Owl Award in recognition of outstanding service to Minnesota Chapter of The Nature Conservancy. 1977

Listed in **Outstanding Educators of America**. 1971