



THE WILDLIFE SOCIETY South Dakota Chapter Annual Meeting Program



Cedar Shore Resort and Convention Center
Oacoma, South Dakota

25-27 February 2013

MONDAY, 25 FEBRUARY

- 11:00 1:00 Registration and Lunch (sponsored by Truax Company)
- 1:00 1:05 Welcome and Introductions
- Special Session: Managing wildlife health issues in a changing environment**
Moderator: Silka Kempema, Wildlife Biologist, SD Game, Fish and Parks
- 1:05 1:35 **Tuberculosis and epizootic hemorrhagic disease** (*title pending*)
Dr. Susan Reenders, Veterinarian, SD Department of Agriculture
- 1:35 2:05 **Chronic wasting disease in South Dakota.**
Steve Griffin, Wildlife Biologist, SD Game, Fish and Parks
- 2:05 2:35 **Anticoagulant prairie dog rodenticides and concerns for non-target wildlife.**
Matt Schwarz, Environmental Contaminants Specialist, US Fish and Wildlife Service
- 2:35 3:05 **Conata basin black-footed ferret recovery status and plague impacts.**
Randy Griebel, Wildlife Biologist, US Forest Service
- 3:05 3:20 BREAK
- 3:20 3:50 **Amphibian disease in South Dakota.**
Dr. Jake Kerby, Director of Research, Missouri River Institute, University of South Dakota
- 3:50 4:20 **Avian diseases of interest in South Dakota.**
Barb Bodenstein, Wildlife Disease Specialist, US Geological Survey
- 4:20 5:15 **Voluntary approach to reduction of lead exposure in wildlife.**
John H. Shulz, Non-Lead (Pb) Campaign Manager, American Bird Conservancy
- 5:15 6:15 Student-Professional Mixer
- 6:00 Social
- 7:00 Fundraising Auction

TUESDAY, 26 FEBRUARY

- 8:00 8:30 Committee meetings (This is scheduled time to allow for standing and special committees to meet if desired.)
- 8:30 12:00 Annual Chapter Business Meeting
- 12:00 1:00 Luncheon

Session One: Contributed Papers

Moderator: Chuck Pyle, Partners Biologist, US Fish and Wildlife Service

- 1:00 1:20 **Preliminary investigation of the use of placental scars to estimate reproduction in mountain lions.**
Brandi L. Crider*, Troy W. Grovenburg, and Jonathan A. Jenks
- 1:20 1:40 **Estimating primary prey consumption rates of mountain lions in the Black Hills, South Dakota.**
Joshua B. Smith*, Jonathan A. Jenks, Robert W. Klaver and John Broecher
- 1:40 2:00 **Spatial interactions between sympatric carnivores: Black-footed ferrets and American badgers.**
Shaun M. Grassel*, Janet L. Rachlow and Christopher J. Williams
- 2:00 2:20 **Plague prevalence in fleas collected from black-footed ferrets at Lower Brule Sioux Reservation.**
Erica L. Mize*, Shaun M. Grassel and Hugh B. Britten
- 2:20 2:40 **Effects of plant phenology and vertical height on accuracy of radio-telemetry locations.**
Troy W. Grovenburg*, Christopher N. Jacques, Robert W. Klaver, Christopher S. DePerno, Chad P. Lehman, Todd J. Brinkman, Kevin A. Robling, Susan P. Rupp and Jonathan A. Jenks
- 2:40 3:00 BREAK
- 3:00 3:20 **Crucial habitat analysis tool for the State of South Dakota: CHAT project,**
Indrani Sasmal*, Troy W. Grovenburg, Jonathan A. Jenks, Silka Kempema, Robert W. Klaver and Tom Kirschenmann
- 3:20 3:40 **Use of GIS in a state agency** *(title pending)*
Chris Marsh
- 3:40 4:00 **Waterfowl on weather radar: A new view of duck migration.**
Joshua D. Stafford*, Benjamin J. O'Neal and Ronald P. Larkin
- 4:00 4:30 **2012 Colonial waterbird surveys.**
Nancy Drilling
- 4:30 4:50 **Tracking purple martins from South Dakota with geolocator devices.**
Dennis J. Mammenga and Paul W. Mammenga*
- 6:00 Social
- 7:00 Award Banquet and Guest Speaker **Dr. Dean Biggins, Research Wildlife Biologist, US Geological Survey: "Yersinia pestis as an invasive predator."**

* indicates presenter

WEDNESDAY, 27 FEBRUARY

Session Two: Contributed Papers

Moderator: Brent Jamison, Wildlife Biologist, US Fish and Wildlife Service

- 8:30 8:50 **Evaluation of various foliar sprays for use as a Canada goose grazing deterrent.**
Cody Warner* and Charles D. Dieter
- 8:50 9:10 **Duck productivity in restored native and non-native plantings: Can restoration of native vegetation replace traditional wildlife management practices?**
Ryan Haffele*, Mike Eichholz and Cami Dixon
- 9:10 9:30 **Pheasant reproductive ecology in winter wheat dominated landscapes of central South Dakota.**
Brian Pauly*, Charles D. Dieter and Kent Jensen
- 9:30 9:50 **Distribution and landscape attributes of greater prairie-chickens and sharp-tailed grouse outside of their traditional range in South Dakota.**
Mandy Orth
- 9:50 10:10 **An evaluation of the possible effects of climate change on North American duck egg metrics over the past 150 years. (title pending)**
Julie DeJong*
- 10:10 10:30 BREAK
- 10:30 10:50 **An evaluation of life history parameters of white-tailed deer in North Dakota.**
Brian Schaffer*, Jonathan A. Jenks, Troy W. Grovenburg and William F. Jensen
- 10:50 11:10 **Perceptions of deer densities in the Black Hills (title pending)**
Dr. Cindy Longmire
- 11:10 11:30 **South Dakota State University extension program (title pending)**
Pete Bauman
- 11:30 12:00 **Recent land use change in the Western corn belt threatens grassland and wetlands.**
Christoper K. Wright* and Michael C. Wimberly (title pending)
- 12:00 12:10 Announcements and meeting adjournment

* indicates presenter

MEETING SPONSORS:



THE WILDLIFE SOCIETY



Founded in 1936 as The Society of Wildlife Specialists, The Wildlife Society (TWS) has evolved into an international nonprofit organization of professional wildlife ecologists and managers. Members number over 9,000 from 40 different countries and include administrators, biologists, conservation officers, educators, managers and researchers.

The objectives of TWS are to promote sound stewardship of wildlife resources and the environments upon which wildlife and humans depend, undertake an active role in preventing human-induced environmental degradation, increase awareness and appreciation of wildlife values and to seek the highest standards in all activities of the wildlife profession.

SOUTH DAKOTA CHAPTER OF THE WILDLIFE SOCIETY



South Dakota Chapter of TWS (SDTWS) was initiated on February 19, 1966 with 56 charter members. SDTWS is affiliated with the Central Mountains and Plains Section, one of 8 subdivisions of TWS. The full membership of SDTWS meets annually in the spring to exchange scientific information through presented papers, debate current issues in wildlife management and land use, and conduct chapter business.

The chapter's Executive Board of Directors, consisting of President, Past-President, President-Elect, Secretary-Treasurer, and two standing board members meet at least 4 times each year to discuss issues that do not require full chapter approval. The chapter also communicates with its membership through a newsletter, *The Prairie Voice*, published within 30 days of Executive Board meetings. The newsletter includes board meeting minutes, committee activity reports, a summary of chapter correspondence, updates on professional conferences, and profiles of chapter members.