



## Colorado Chapter of The Wildlife Society Annual Meeting February 15-17 2017 Hilton, Fort Collins, CO

<http://wildlife.org/colorado/meetings/2017-annual-meeting/>

### AGENDA

#### Wednesday, 15 February 2017

8:00 am – 3:30 pm - Wildlife Necropsy Workshop

Instructor: Dr. Karen Fox, Colorado Parks and Wildlife. The workshop will cover basic techniques in wildlife necropsy (lecture) and hands-on necropsy in the laboratory. Lunch and transportation between the hotel and lab are provided. Workshop limited to 10 participants (application required – see below).

8:30 am – 5:00 pm - Gray Wolf Conservation and Management Symposium

Sponsored and underwritten by the Turner Endangered Species Fund

- *History of wolf recovery in the U.S.* -- Mike Phillips, Turner Endangered Species Fund
- *Yellowstone wolves: ecosystems saviors? If so, how exportable?*-- Doug Smith, National Park Service
- *Ecological and biodiversity implications of wolf reintroduction* -- Joel Berger, Colorado State University
- *Current distribution and legal status of wolves in North America* -- Michael Thabault, U.S. Fish and Wildlife Service
- *Gray wolf habitat in Colorado: biological and social characteristics* -- Barry Noon, Colorado State University
- *Wolves and livestock in the Northern Rockies: Implications for Colorado* -- Carter Niemeyer, U.S. Fish and Wildlife Service (retired)
- *Wolf-livestock coexistence strategies: The Wood River Wolf Project in Central Idaho* – Avery Shawler, Wood River Wolf Project
- *Wolf recovery, conservation, and management in Wyoming: lessons learned* -- Ken Mills and Dan Thompson, Wyoming Game and Fish Department
- *Hunting and trapping as tools for wolf management*: Jim Hammill, Michigan DNR (retired), Iron Range Consulting & Services Inc
- *Overview of wolf conflict resolution* -- Stewart Breck, USDA National Wildlife Research Center, Wildlife Services
- *Attitudes and values towards wolf recovery in Colorado* -- Richard Reading, Okavango Research Institute, University of Botswana; Butterfly Pavilion; University of Denver
- *Factors impacting human tolerance for large carnivores: insights from psychology* -- Jeremy Bruskotter, Ohio State University
- *Wolf/human interactions: implications for restoration* -- Dave Mech, University of Minnesota
- *The moral case for wolf reintroductions*: Philip Cafaro, Colorado State University

6:00 pm – 9:00 pm – **Social and Student-Professional Mixer, CSU Lory Student Center Ballroom**

Co-hosted by Colorado State University and Western State Colorado University Student Chapters of The Wildlife Society. The social/student-professional mixer will be held at the Lory Student Center at

Colorado State University (1101 Center Ave Mall, Fort Collins, CO 80521; Phone: (970) 491-6444). How to get there? A 1 mile walk from the Hilton, take the Fort Collins transit bus, drive, or catch the Hilton shuttle. Food and beverages are provided.

### **Thursday, 16 February 2017**

#### **8:00 am – 12:00 pm - Plenary Session: *Carnivore Ecology and Management***

8:15 am – Dr. Steven Buskirk, University of Wyoming – **Keynote Speaker**; [marten@uwyo.edu](mailto:marten@uwyo.edu)  
*Carnivoran Ecology: an update*

9:00 am – Dr. Davis Mech, University of Minnesota and USGS; [mechx002@umn.edu](mailto:mechx002@umn.edu)  
*Natural history of grey wolves on Ellesmere Island*

9:30 am – Jerry Apker, Colorado Parks and Wildlife; [jerry.apker@state.co.us](mailto:jerry.apker@state.co.us)  
*Predator Management in Colorado*

10:00 am – 10:30 am - BREAK

10:30 am – John Hughes, US Fish and Wildlife Service; [John\\_hughes@fws.gov](mailto:John_hughes@fws.gov)  
*Overview of Black-footed Ferret Recovery Efforts*

11:00 am – Dr. Heather Johnson, Colorado Parks and Wildlife; [heather.johnson@state.co.us](mailto:heather.johnson@state.co.us)  
*Causes, consequences and considerations for management of human-black bear conflicts: Lessons learned from research in Durango*

11:30 am – Dr. John Squires, USDA Rocky Mountain Research Station, Missoula; [jsquires@fs.fed.us](mailto:jsquires@fs.fed.us)  
*Characterizing habitat of Canada lynx through the lens of habitat use, functional responses, and demography*

#### **12:00 pm – 1:30 pm - Lunch and Colorado Chapter of the Wildlife Society Business Meeting**

All registered meeting attendees are invited (lunch is included with meeting registration).

#### **1:30 pm – 5:00 pm - Contributed Papers Session: *Demographics and Population Monitoring***

1:30 to 1:45 pm – “The birds and the bees... and the bats, butterflies, and brants: the US Fish & Wildlife I&M program details how to count them all” – Lee E. O’Brien

1:45 to 2:00 pm – “Estimating the abundance of wild horses in Central Wyoming” – Guy T. DiDonato, Ryan M. Nielson, Wallace Erickson, and Chris Wichmann

2:00 to 2:15 pm – “Acoustic monitoring methods and utility for Yellow-billed Cuckoo, Southwestern Willow Flycatcher, and Northern Leopard Frog” – Jenny Nehring

2:15 to 2:30 pm – “Lessons learned about chronic wasting disease in elk at Rocky Mountain National Park” – Nathan L. Galloway, Jenny G. Powers, Ryan J. Monello, and Margaret A. Wild

2:30 to 2:45 pm – “Hierarchical distance sampling: not your father’s distance analysis” – Trent L. McDonald, and Jason D. Carlisle

2:45 – 3:00 pm - BREAK

3:00 to 3:15 pm – “Nest Survival of bald eagles in Colorado” – Jonathan DeCoste, Reesa Yale Conrey, William Kendall, and James Gammonley

3:15 to 3:30 pm – “Effect of Douglas-fir beetle and patch size on avian presence in Douglas-fir forests in the Gunnison Basin, Colorado” – Marcel Such, Patrick Magee, Jonathan Coop

3:30 to 3:45 pm – “Occupancy of mammalian carnivores on prairie dog colonies affected by plague” – Reesa Yale Conrey, Miranda Middleon, Daniel Tripp, and James Gammonley

3:45 to 4:00 pm – “Movements of golden eagles within (into, through, and out of...) Colorado” – Brian W. Smith, April Estep, and Dale Stahlecker

**4:00 to 5:00 pm - Law Enforcement Session**

4:00 to 5:00 pm – “Law enforcement in wildlife management and a law enforcement case study” – Bob Thompson

**6:00 – 9:00 pm - Banquet, Awards and Auction** (an important way you can support CCTWS!)

**Friday, 17 February 2017**

**8:00 am – 12:00 pm - Contributed Papers Session: *Anthropogenic Impacts on Wildlife, Human-Wildlife Conflict, and Communication***

8:20 am -- Welcome

8:30 to 8:45 am – “Synthesis of bat curtailment studies” – Tim Sichmeller, Jeff Gruver, Wally Erickson, David Young, and Karen Tyrell

8:45 to 9:00 am – “Pronghorn management at F.E. Warren Air Force Base” – Alex Schubert

9:00 to 9:15 am – “Power line infrastructure – bird electrocution and collision risk assessments – merging of power in North America and a changing paradigm” – Lori A. Nielsen

9:15 to 9:30 am – “Monitoring the Natural Quality of Wilderness” – Peter A. Dratch

9:30 to 9:45 am – “Distinguishing the influence of prey distribution, landscape features, and anthropogenic disturbance on predation risk” – Patrick E. Lendrum, Joseph M. Northrup, Charles R. Anderson, Jr., Glen E. Liston, Cameron L. Aldridge, Kevin R. Crooks, and George Wittemyer

9:45 to 10:00 am – “Stories of science: the role of creating narratives in relating research to the public” – Sierra J. Stevens-McGeever

BREAK (10:00 –10:20 am)

**Contributed Papers Session: *Strategic Conservation Planning & Implementation of Management Plans***

10:20 to 10:35 am – “Ecoregional conservation strategies for Golden Eagles in the Western United States” – Brian Woodbridge, Geoffrey Bedrosian, and Hillary M. White

10:35 to 10:50 am – “Elk management in the National Park Service: two case studies in the use of public volunteers” – Jenny Powers, Rick Kahn, William Whitworth, John Mack, and Ben Bobowski

10:50 to 11:05 am – “Ungulate migrations in Wyoming: incorporating new science into wildlife policy and management” – Bob Lanka and Bill Rudd

11:05 to 11:20 am – “The influence of Greater Sage-Grouse management on Golden Eagles in the Western United States” – Jason D. Carlisle, Geoffrey Bedrosian, and Trent L. McDonald

11:20 to 11:35 am – “State-and-transition simulation modeling: a tool for assessing the interacting effects of climate, ecological processes, and management of wildlife habitat” – Brian W. Miller and Jeffrey T. Morisette

11:35 to 11:50 am – “Using landscape-scale estimates of relative electrocution risk to inform prioritization of power pole retrofits: an example with golden eagles” -- *Gary E. Williams* , Todd Lickfett, Brian Woodbridge, and Tracy Jones

11:50 am to 12:00 pm – Closing remarks, Student paper and poster awards

**12:00 pm – 1:30 pm - Colorado Chapter of the Wildlife Society Board Meeting**

**POSTER SESSION** – Hilton Lobby, Thursday 8:00 am. - Friday 12:00 pm

“Ten new locations of the endangered New Mexico meadow jumping mouse detected on Tribal Lands in southwestern Colorado” – *Jennifer L. Zahratka*, Aran S. Johnson, Erin M. Lehmer, Steven D. Fenster, and Steve L. Whiteman

“Phylogenetics of canine distemper virus (CDV) in mesocarnivores from Northern Colorado” – *Darren Wostenberg*, *Nikki Walker*, Karen Fox, Antoinette Piaggio, and Amy Gilbert

“Testing perch deterrents and supplemental perches designed to mitigate raptor electrocutions” – *Michael C. Tincher* and Gail E. Kratz

“Evaluation of population monitoring strategies for Greater Sage-Grouse (*Centrocercus urophasianus*) in Northwestern Colorado: genetic mark-recapture as an alternative to traditional lek counts” – *Jessica E. Shyvers*, Brett L. Walker, Sara J. Oyler-McCance, Jennifer Fike, and Barry R. Noon

“National Wildlife Disease Program Archives” – *Kylie Schumacher*

“Little brown bat (*Myotis lucifugus*) maternity colony monitoring in the Yampa Valley: site fidelity and early efforts to assess tag loss” – *Robert A. Schorr* and Jeremy L. Siemers

**POSTERS (cont.)**

“Effects of source population and release strategy on survival and dispersal of translocated Scaled Quail in Texas” – *Rebekah E. Ruzicka*, Dale Rollins, and Paul F. Doherty, Jr.

“Calcium increases reproductive success in nesting Tree Swallows” – *Marina Rodriguez*, Kathryn P. Huyvaert, and Paul F. Doherty, Jr.

“Swarming surveys in Colorado: standardized sampling and evaluation as a potential vector for the transmission of white-nose syndrome in bats” – Daniel Neubaum, *Jeremy Siemers*, and Kirk Navo

“Spatial patterns of habitat use by incubating mountain plovers in a mixed habitat and ownership landscape” – *Tyler Michels*, Kristen Philbrook, Angela Dwyer, and Michael B. Wunder

“Shorebird use of military lands in interior Alaska” – *Ellen Martin*, Kim Jochum, Calvin Bagley, and Paul F. Doherty, Jr.

“Impact of human recreation on temporal activity of American black bears” – *Elizabeth Hartney* and Brian Peterson

“Full life cycle monitoring of burrowing owls (*Athene cunicularia*) in southeastern Colorado” – *Clark D. Jones* and Courtney J. Conway

“The USFWS Western golden eagle team: an overview” – *Gary E. Williams*, Brian Woodbridge, Todd Lickfett, and Geoffrey Bedrosian

“Habitat characteristics and hibernation emergence of the federally endangered New Mexico meadow jumping mouse in southwestern Colorado” - *Jennifer L. Zahratka*, *Scott A. Wait*