

1981 Meeting
of
NorthWestern Section - The Wildlife Society
Coeur d'Alene, Idaho - April 23-24, 1981

Wednesday, April 22 (Conference Center)

6:00 - 9:00 p.m. Registration

THURSDAY, APRIL 23 (Bays 1-3)

7:30 a.m. Registration (all day)

9:00 - 9:20 a.m. Call to Order, Tom Leege, President, NW Section
Jerry Conley, Director, Idaho Department of Fish and Game - Dedication of Conference to memory of Idaho Conservation Officers Bill Pogue and Conley Elms, killed in the line of duty.

9:20 - 9:30 a.m. Presentation of the Einarsen Award, Mike Kochert

9:30 - 10:00 a.m. Keynote Address by Charles H. Callison, President, Public Lands Institute - *Political Trends Affecting Fish and Wildlife Resources*

10:00 - 10:30 a.m. Break

CONCURRENT TECHNICAL SESSIONS

SESSION A

Bay 1

Chairperson: Joyce Gebhardt,
US Fish & Wildlife Serv.

10:30 - 11:00 a.m. *Energy Development and Related Impacts on Wildlife in the Western U.S.*, W. John Arthur, US Department of Energy, Idaho Falls, Idaho

11:00 - 11:30 a.m. *Impacts of Oil Development Activities on Tundra Bird Populations in Northern Alaska*, Wayne C. Hanson, BATTELLE, Pacific N.W. Lab, Richland, Washington.

SESSION B

Bay 2

Chairperson: Mike Rath,
US Forest Service

10:30 - 11:00 a.m. *Western Canada Geese in Washington*, I. J. Ball, Ellis L. Bowhay, and Chas. F. Yocum, Montana Cooperative Wildlife Research Unit, Missoula, Montana.

11:00 - 11:30 a.m. *Response of Nesting Canada Geese to Changes in Nesting Habitat*, Brad K. DeWaard, Washington State University, Pullman, Washington.

SESSION C

Bay 3

Chairperson: Dale Towell,
Oregon Game Division

10:30 - 11:00 a.m. *Habitat Selection by Bobcats in the Missouri River Breaks*, Montana, Pamela R. Knowles, University of Montana, Missoula, Montana

11:00 - 11:30 a.m. *Differential Movements and Activity Patterns of Resident and Dispersing Marten*, Gary W. Burnett, University of Montana, Missoula, Montana.

CONCURRENT TECHNICAL SESSIONS

SESSION A

Bay 1

11:30 - 12:00 a.m. *The Effects of Oil Development on Artic Foxes in Northern Alaska*, Lester E. Eberhardt and Wayne C. Hanson, BATTELLE, Pacific N.W. Lab, Richland, Washington.

12:00 - 1:30 p.m. Lunch

Chairperson: Daniel Jerry,
US Forest Service

1:30 - 2:00 p.m. *Effects of an Operational Coal Strip Mine on Pronghorn Antelope*, Tom Segerstrom, Montana State University, Bozeman, Montana.

✓ 2:00 - 2:30 p.m. *Mule Deer Seasonal Distribution and Population Dynamics on the Overthrust Belt in North Central Montana*, Wayne F. Kasworm, Helga B. Ihsle and Lynn R. Irby, Montana State University, Bozeman, Montana.

2:30 - 3:00 p.m. *Avian Mortality from Power Transmission line Strikes and Botulism on a Large Intermittent Wetland in South-central Montana*, Jon M. Malcolm, U.S. Fish & Wildlife Service, Billings, Montana.

SESSION B

Bay 2

11:30 - 12:00 a.m. *Effects of Heptachlor Seed Treatments on Canada Geese and Other Birds in Oregon*, Lawrence J. Blus, U.S. Fish & Wildlife Service, Corvallis, Oregon.

12:00 - 1:30 p.m. Lunch

Chairperson: Mike Samuel,
University of Idaho

✓ 1:30 - 2:00 p.m. *Lead-Poisoning in Mallard at the Hagerman Wildlife Management Area, Idaho*, Gary Hompland, University of Idaho, Moscow, Idaho.

2:00 - 2:30 p.m. *Effects of Sagebrush Reduction Practices on Sharp-tailed Grouse in South-eastern Idaho*, Raymond P. Bosch, and Winifred B. Kessler, University of Idaho, Moscow, Idaho.

2:30 - 3:00 p.m. *The Columbian Sharp-Tailed Grouse in the Tobacco Plains, Eureka, Montana*, Robin R. Bown, University of Montana, Missoula, Montana.

SESSION C

Bay 3

✓ 11:30 - 12:00 a.m. *Ecology of Mink in Central Idaho*, Jack Whitman, University of Idaho, Moscow, Idaho.

12:00 - 1:30 p.m. Lunch

Chairperson: Louis J. Nelson,
University of Idaho

1:30 - 2:00 p.m. *The Toxic Collar - A New Tool to Combat Coyote Predation on Livestock*, Guy Connolly, U.S. Fish & Wildlife, Twin Falls, Idaho.

2:00 - 2:30 p.m. *Efficacy and Costs of Four Rodenticides for Controlling Columbian Ground Squirrels in Western Montana*, Steven W. Albert, University of Montana, Missoula, Montana, C. Raymond Record, Montana Department of Livestock, Vertebrate Pest Control Bureau, Helena, Montana.

✓ 2:30 - 3:00 p.m. *A Bivariate Normal Test for Elliptical Home Range Models*, Winston Paul Smith, Oregon State University, Corvallis, Oregon.

CONCURRENT TECHNICAL SESSIONS

SESSION A
Bay 1

3:00 - 3:30 p.m. *Man's Effect on the Population of Ring-Billed and California Gulls in the Western U.S.*, Michael R. Conover, University of California, Irvine, California.

3:30 - 4:30 p.m. ANNUAL GENERAL MEETING
5:00 - 7:00 p.m. Boat Cruise (Ticket Required)
7:00 - 9:00 p.m. Western Barbecue and raffle (Ticket Required)
9:00 - 1:00 a.m. Western Dance (Free)

SESSION B
Bay 2

3:00 - 3:30 p.m. *The Potential Use of Silvicultural Treatments for Managing Mixed-Coniferous Forest Bird Communities in Spruce Budworm Outbreak Areas*, Lisa Langelier, University of Idaho, Moscow, Idaho.

SESSION C
Bay 3

3:00 - 3:30 p.m. *Digestion in Elk and Deer*, Eric D. Mould, Washington State University, Pullman, Washington.

FRIDAY, APRIL 24

CONCURRENT TECHNICAL SESSIONS

SESSION A
Bay 1

Chairperson: Ivan Lines,
Soil Conservation
Service

8:30 - 9:00 a.m. *Impact of Agriculture on Alaskan Wildlife*, Diane Preston, Alaska Department Fish & Game, Fairbanks, Alaska.

9:00 - 9:30 a.m. *Relationship of Geese and Cranes to Large-Scale Grain Production in Central Alaska*, P. G. Mickelson, University of Alaska, Fairbanks, Alaska.

SESSION B
Bay 2

Chairperson: Tracy Trent,
Idaho Department of
Fish and Game

8:30 - 9:00 a.m. *Christy Creek Sheep Study on the Williamette N.F.*, Ed Harshman, Williamette N.F., Eugene, Oregon.

9:00 - 9:30 a.m. *Disease-Parasite Interchange between Black-tailed Deer and Domestic Sheep in the Cascade Mountains of Western Oregon*, Ted Kristner, Oregon State University, Corvallis, Oregon.

SESSION C
Bay 3

Chairperson: Loren Hicks,
Burlington-Northern

8:30 - 9:00 a.m. *Land Use Impacts on Elk: An 8 Year Field Test of Computer Based Predictions*, Harold D. Picton, Montana State University, Bozeman, Montana.

9:00 - 9:30 a.m. *Validation Testing of Elk Management Guidelines*, Thomas A. O'Neill, University of Montana, Missoula, Montana.

CONCURRENT TECHNICAL SESSIONS

SESSION A

Bay 1

9:30 - 10:00 a.m. *The Effect of Some Different Land Use Practices on Native Faunal Populations*, Timothy D. Reynolds, Idaho State University, Pocatello, Idaho.

10:00 - 10:30 a.m. Break

Chairperson: Roger Woodworth,
Washington Water & Power

10:30 - 11:00 a.m. *How Much is an Evening Grosbeak Worth?*, John Y. Takekawa, University of Idaho, Moscow, Idaho.

11:00 - 11:30 a.m. *Regurgitated Pellets of Raptorial Birds as Indicators of Environmental Contamination*, Larry Cadwell and Richard F. Fitzner, BATTELLE, Pacific NW Labs, Richland, Washington.

11:30 - 12:00 a.m. *Heron Colonies as Indicators of Food Chain Contamination: Trace Metals and Radionuclides*, Richard E. Fitzner, William T. Hinds, William H. Richard, BATTELLE, Pacific NW Labs, Richland, Washington.

12:00 - 1:30 p.m. Lunch

SESSION B

Bay 2

8:30
9:30 - 10:00 a.m. *The Effects of Rest-Rotation Grazing on Elk in the East Fork of the Salmon River*, Idaho, Jeffrey Yeo, University of Idaho, Moscow, Idaho.

10:00 - 10:30 a.m. Break

Chairperson: Dan Herrig,
U.S. Fish and Wildlife Service

10:30 - 11:00 a.m. *Chamberlain Elk-Logging Project*, W. Daniel Edge and Les Marcum, University of Montana, Missoula, Montana; John Lehmkuhl, U.S. Forest Service, Albuquerque, New Mexico, and Michael Scott, University of Idaho, Moscow, Idaho.

11:00 - 11:30 a.m. *Impacts of Timber Harvest on Whitetailed Deer in the Coniferous Forests of NW Montana*, John C. Munding, Montana Department of Fish and Game, Kalispell, Montana.

11:30 - 12:00 a.m. *Deer Forage - Mature Forest Relationships on Northern Vancouver Island*, James A. Rochelle, Weyerhaeuser Company, Centralia, Washington.

12:00 - 1:30 p.m. Lunch

SESSION C

Bay 3

9:30 - 10:00 a.m. *Winter Habitat Use Patterns of Moose in North Central Idaho*, John Pierce, University of Idaho, Moscow, Idaho.

10:00 - 10:30 a.m. Break

Chairperson: Bob Crabtree,
University of Idaho

10:30 - 11:00 a.m. *Age-Specific Fertility and Productivity of Columbian Black-tailed Deer*, Donald C. Thomas, Canadian Wildlife Service, Edmonton, Alberta.

11:00 - 11:30 a.m. *A Bighorn Sheep Range Extension Onto a Previously Developed Winter Range*, Kim Keating, Montana State University, Bozeman, Montana.

11:30 - 12:00 a.m. *Impact of Hunting on Caribou in Alaska*, James Davis, Alaska Department of Fish and Game, Fairbanks, Alaska.

12:00 - 1:30 p.m. Lunch

CONCURRENT TECHNICAL SESSIONS

SESSION A

Bay 1

9:00 Bay 2

1:30 - 2:00 p.m. *Selective Feeding by Glaucous-winged Gulls (Larus Glaucescens) on Attu Island, Alaska: An Experimental Approach*, David B. Irons, Oregon State University, Corvallis, Oregon.

SESSION B

Bay 2

1:30 - 2:00 p.m. *Bighorn Sheep Mortality on a Highway and Railroad in the Athabasca Valley, Jasper National Park*, Kevin Van Tighem, Canadian Wildlife Service, Banff, Alberta.

SESSION C

Bay 3

11:30

1:30 - 2:00 p.m. *A Wintering Study of Bald Eagles in Willard Canyon, Utah*, Shirley Badame, University of Idaho, Moscow, Idaho.

