

The Western Section of the Wildlife Society will hold an Invasive Species Symposium in Sacramento, CA from October 14-16, 2003 at the Sacramento Radisson Hotel. This symposium will focus on introduced vertebrate and invertebrate species (terrestrial and aquatic) during sequential contributed paper sessions. Specifically, presentations will address the biological characteristics, invaded communities, invader impacts, and positive and negative outcomes from control programs. Not all introductions of invasive animals have been unintentional; purposeful introductions that are done as part of commonly accepted land and resource management programs are ongoing in most parts of the world. Naturalized vertebrate species and their integration and interaction with native animal and plant species will be the central theme of the symposium.

Contributed paper presentations include research findings from four continents that examine these issues from ecological, conservation, and policy perspectives. In addition to the oral presentations, a dedicated poster session will be held on Wednesday evening. Poster authors will be on hand to discuss research and answer questions. A panel discussion will conclude the symposium on Thursday afternoon with perspectives of “where to proceed from here” shared by leaders from Non-Governmental Organizations, Academia, and Agencies. Sonke Mastrup, CDFG’s Deputy Director for Wildlife and Inland Fisheries, will represent the State Government viewpoint.

Invited speakers include Kim Todd, natural history writer and author of award-winning book, Tinkering with Eden. She will speak on the history of biological introductions. Bruce Coblenz, professor and researcher at Oregon State University focusing on the biology and control of invasive non-native species. He will speak on community level considerations. Erika Zaveleta, associate professor at the University of California, Santa Cruz focusing on invasive species impacts and interactions with climate change. She will speak on ecosystem level considerations.

Registration information, symposium lodging details, and a full program can be viewed by visiting www.tws-west.org and clicking on the link for “meetings and workshops.”

Invasive-Species Symposium
Accidental and Purposeful Introductions of Animals: Investigating Species Interactions at Different Trophic Levels

Sponsored by the Western Section of The Wildlife Society
October 14-16, 2003
Radisson Hotel, Sacramento, California

Tuesday, October 14th

- 11:00 a.m. -6:00 p.m. Check-In and Registration
- 1:00 p.m. Introductory Remarks and Symposium Overview
- 1:30 p.m. Invited Speaker: Kim Todd: The History of Biological Introductions**
- 2:15 p.m. Contributed Papers: Invader Characteristics Introduction**
Session Chair: Dan Logan, NOAA
- 2:20-2:45 p.m. Michael Marchetti: Exotic Fishes in California: Characteristics of Success and Failure
- 2:45-3:10 p.m. Eric Stiitt: The Southern Water Snake in Folsom: A New and Potentially Invasive Species in California
- 3:10-3:25 p.m. Refreshment Break
- 3:25-3:50 p.m. TBA
- 3:50-4:15 p.m. Laurie Nolfo: Habitat Selection and Ecological Impacts of Nutria (*Myocastor coypus*) on Wetland Plant Communities
- 4:15-4:40 p.m. Scott Gardner: Wild Turkeys: Desirable Non-Natives?
- 4:40-5:05 p.m. Rob Klinger: The Population Dynamics of Feral Pigs on Santa Cruz Island, California
- 5:15-6:30 p.m. Welcome Reception**

Wednesday, October 15th

- 7:00 a.m.-5:00 p.m. Check-In and Registration
- 8:00-8:45 a.m. Invited Speaker: Bruce Coblenz: Community-Level Considerations**
- 8:45 a.m. Contributed Papers: Community Characteristics Introduction**
Session Chair: Jim Woollett, US Department of Energy
- 8:50-9:15 a.m. Jaymee Marty: Cows Eat Grass: Or How Cattle Grazing Maintains Native Species Diversity in California Vernal Pool Grasslands
- 9:15-9:40 a.m. Hartwell Welsh: Amphibians and Introduced Exotic Fishes in Wilderness Areas of Northern California, USA: Compatible or Pathway to Extinction?
- 9:40-10:05 a.m. Dr. Alfredo D. Cuarón: Introduced Species and the Conservation of a Critically Endangered Insular Tropical Biota

- 10:05-10:20 a.m. Refreshment Break
- 10:20-10:45 a.m. John P. Volpe: Science Friction: Atlantic Salmon in British Columbia
- 10:45-11:10 a.m. Todd Golumbia: A History of Species Introductions in Gwaii Haanas National Park Reserve, Haida Gwaii (Queen Charlotte Islands) and Gulf Islands National Park Reserve, British Columbia, Canada: Implications for Management
- 11:10-11:55 a.m. Invited Speaker: Erika Zavaleta: Ecosystem-Level Considerations**
- 12:00-1:30p.m. Lunch (on your own)
- 1:30-1:35 p.m. Contributed Papers: Impacts on Native Species and Communities**
Session Chair: Susan Ellis, California Department of Fish and Game
- 1:35-2:00 p.m. Robert Klinger: Effects of Feral Pig Rooting on Vegetation Communities and Rare Endemic Species on Santa Cruz Island, California
- 2:00-2:25 p.m. Julie King: The Current Distribution of the Fox Squirrel (*Sciurus niger*) in the Los Angeles Metropolitan Area and its Behavioral Interaction with the Native Western Gray Squirrel (*Sciurus griseus*)
- 2:25-2:50 p.m. Steve Ebbert: Invasive Species Management On Alaska Maritime National Wildlife Refuge: Paradise Reclaimed
- 2:50-3:05 p.m. Susan Wainwright-De La Cruz: Dining Out in San Francisco Bay: How Does a New Clam on the Menu Influence Wintering Diving Ducks?
- 3:05-3:30 p.m. Refreshment Break
- 3:30-3:55 p.m. Glenn Wylie: Trophic Interactions Among Non-Native Crayfish and Bullfrogs and Endemic Giant Garter Snakes at Colusa National Wildlife Refuge
- 3:55-4:20 p.m. Cindy Messer: Impacts of the Chinese Mitten Crab on the Benthic Community of the Sacramento-San Joaquin Delta
- 4:20-7:00 p.m. Dedicated Poster Session and Reception**

Thursday, October 16th

7:00 a.m.-2:00 p.m. Check-In and Registration

8:30-8:35 a.m. Contributed Papers: Control Methods Introduction

Session Chair: Rob Klinger, US Forest Service

8:35-9:00 a.m. Julie Cunningham: Risks and Rewards of Cooperative Management: Northern Pike in Lake Davis

9:00-9:25 a.m. Kevin Ryan: Feral Pig Eradication on Santa Catalina Island, California

9:25-9:50 a.m. Jeffery Wilcox: A Test of the Judas Technique as a Method for Eradicating Feral Pigs

9:50-10:15 a.m. Refreshment Break

10:15-10:30 a.m. Neal Finch: Control of Watering Points

10:30-10:55 a.m. Pete Robertson: Management of Invasive North American Species in Great Britain

10:55-11:20 a.m. Desley Whisson: Managing Non-Native Black Rats (*Rattus rattus*) to Reduce Songbird Nest Predation in the Cosumnes River Preserve, California

11:20-11:45 a.m. Art Sowls: A Rat Prevention Program for the Pribilof Islands-The First Decade

11:45 a.m.-1:00 p.m. Lunch (on your own)

1:00-1:15 p.m. Panel Presentations and Discussion

Session Chair: John Randall, The Nature Conservancy

1:15 p.m. Bruce Coblentz, Oregon State University

1:25 p.m. Brad Keitt, Island Conservation

1:35 p.m. TBA

1:45 p.m. Sonke Mastrup, California Department of Fish and Game

1:55 p.m. TBA

2:05 p.m. TBA

2:15-4:00 p.m. Panel Discussion

The Invasive-Species Symposium draft program information is also posted on the TWS-WS website at <http://www.tws-west.org>. Please be sure to register early as space is limited. The program will be updated periodically.