

Basin & Range

June 2-3, 2018

Box Elder Campground, Mantua, Utah

Fee for Basin & Range participation

- \$30 for attendees 13 +
- \$25 for attendees 65+
- No cost for attendees 12 and younger

Saturday Evening Program (7:00-7:40 p.m.)

Utah's Bioluminescing Fireflies

Presented by **Christy Bills**

Sometimes called lightening bugs, fireflies are present in at least ten counties in Utah. Find out more about these enchanting, but predatory beetles.

Saturday Evening Insect Walk

Christy Bills will lead an evening insect prowl after the evening program.

Additional information

- There are no electrical, water, or sewer hookups available at this location.
- There is RV camping available near Brigham City; you are responsible for making your own arrangements.
- Nearby lodging is available in Brigham City

Questions:

Please contact:

Jeanne Le Ber or Ray Smith

Phone: 801-532-7384; 801-230-4373 (cell)

Email: jeanne.leber@utah.edu

Cover art: © Rollie Westman

FACULTY BIOGRAPHIES CONTINUED

Cooper Farr has been interested in animals - and curious about why they do what they do - since she was a young girl. She is currently a Conservation Scientist at Tracy Aviary, where she leads citizen science projects throughout Salt Lake County. These projects gather information about where birds occur in relation to habitat characteristics and human disturbances, informing local land management and conservation.

Session description: This session focuses on the fascinating world of bird behavior. As we find, identify, and observe birds, we will discuss where, how, and why different species spend their time. Participants will learn about how birds interact with their environment, and how bird behavior and occurrence can be altered by changes in the landscape.

Bryant Olsen has been a birder since he picked up *an Audubon Society Guide to Birds of North America* when he was 19. For the past 20+ years he has been actively studying and seeking out the company of birds. More of a naturalist than a birder, Bryant focuses on the way birds interact with their environment. He works for the Tracy Aviary Citizen Conservation Science Program as Bird Survey Team Leader.

Session description: Join Bryant for an all-day birding session exploring the habitats of this region. We will start at the road to Bear River Migratory Bird Refuge, then do the entire refuge loop. Next stop will be Golden Spike National Historic Site, and if time permits we can explore farther south on the Promontory Peninsula.

Terri Pope has worked as a biologist for the Utah Division of Wildlife Resources since 2012. She is currently the Wildlife Conservation Biologist in the Central Region, working with birds and mammals of conservation concern. Terri earned her Master's degree from Northern Arizona University and Ph.D. from Texas A&M University. Her research focused on how differences in habitat conditions affect avian behavior.

Session description: Many people begin their interest in birds by trying to identify the birds in their neighborhood, using distinctive field marks such as plumage color and bill shape to tell species apart. Those wanting to expand their ability to recognize species can learn how to "bird by ear," identifying birds by their song and call notes. But did you know that listening to birds can also tell you a lot about what is happening around you? Come learn about what birds communicate to each other and to you through their vocalizations.

Great Salt Lake Audubon
Invites You to Our 36nd Annual

Basin & Range

Weekend Seminar

June 2-3, 2018



Box Elder Campground, Mantua, Utah
East of Brigham City

Group Site C

[http:// www.greatsaltlakeaudubon.org](http://www.greatsaltlakeaudubon.org)

Basin & Range Seminar 2018

THIS SEMINAR brings together students of nature, lay people and professionals for field studies at Box Elder campground near Mantua, east of Brigham City, Utah.

OUR PURPOSE in offering this seminar is to provide participants with an opportunity to understand the unique environment that sustains us. We seek to illuminate relationships among plant life, animals, humans and the physical characteristics of mountains, deserts and water.

PARTICIPANTS accompany instructors for three hour classes in any of the six sessions: Saturday morning and afternoon, and Sunday morning. Saturday morning sessions begin at 9:00 A.M.; Saturday afternoon sessions begin at 1:00 P.M.; and the Sunday morning sessions begin at 8:00 A.M. Saturday evening there will be a potluck dinner at 6:00 P.M. followed by an evening program. Parents are required to supervise their children.

THE SITE is located in Box Elder County, east of Brigham City near Mantua. Attendees gather at Group Site C at an elevation of ~5200 feet. The group site can accommodate up to 50 attendees. Hook-ups are not available at this site. Registrants will receive directions to the campground by email after registering. The commute is approximately 60 miles and 1 hour north of Salt Lake City.

ACCOMMODATIONS allow for tents. There are flush toilets and potable water at the site. Bring everything you will need.

MEALS: Participants should plan to provide their own meals and provide a contribution to the Saturday evening potluck. Bring an appetizer, side or main dish, or dessert to share. Great Salt Lake Audubon will provide soft drinks. In an effort to be green and reduce trash, **please bring your own plates and utensils.**

TUITION for the seminar is \$30; \$25 for seniors 65 and older.

REGISTRATION DEADLINE is **Friday, May 25, 2018**. Class choices are honored on a **first come first served** basis. A letter confirming your registration and a detailed map to the campground will be sent via email. Notice of cancellation must be received by Friday, May 25 in order to receive a refund.

Register early for best class choices. Event limited to 50 attendees. Class sizes are limited and registrants may be re-assigned if needed.

CLASSES OFFERED

Insects and Spiders: our many legged friends

Flower Power: plants of the Wasatch

Butterflies & Skippers of the Wasatch

The Where, How, and Why of Bird Behavior

Birds of Box Elder County

Birds and Communication

INSTRUCTOR

Christy Bills

Lynn Bohs

Bui & Skalicky

Cooper Farr

Bryant Olsen

Terri Pope

FACULTY BIOGRAPHIES AND SESSION DESCRIPTIONS

Christy Bills has been the insect collection manager at the Natural History Museum of Utah for twenty years. She particularly enjoys doing outreach around the state, working with school groups and managing the NHMU firefly citizen science project.

Session description: Invertebrates of all kinds are around us all the time. With nets and vials in hand, we'll go for a stroll and search them out, flying by, under foot, in flowers, either in person or the evidence of their fascinating lives. We should see bees, ants, butterflies, spiders and always surprises when we're looking for bugs!

Lynn Bohs is a botanist in the Biology Department at the University of Utah. She has taught hundreds of students how to identify plants in her field classes. Her research concentrates on the nightshade family (Solanaceae) that includes potatoes, tomatoes, and chili peppers.

Session description: Participants will learn many of the common Wasatch trees, shrubs, and herbs in a short time by getting up close to observe their secrets. No prior botany knowledge needed. Please bring a hand lens if you have one. Lynn will provide species lists so a clipboard and pen/pencil could be handy. Session involves easy walking.

Huyen Bui is a Viet Nam native and resident of Utah. Huyen is an avid bird/butterfly watcher and has photographed and reared many of the Lepidoptera species that occur in Utah.

Jack Skalicky is a Minnesota native and avid birder of forty years. He has studied Utah Lepidoptera for the past fifteen years and is accomplished in their field identification. Jack and Huyen are both research scientists and faculty at the University of Utah.

Session description: Join Huyen and Jack for a casual hike exploring the Box Elder Creek riparian zone and nearby habitats with an emphasis on Utah Lepidoptera (butterflies and skippers). We will use habitat, visual, and behavioral cues to identify some of the wide variety of Utah Lepidoptera and discuss their fascinating biology and role in our ecosystems. Participants will be provided a Utah checklist. Please bring your binoculars and camera.

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Class Registration Form

Also available on GSLA website

Please fill out one form per registrant & mail to:

Jeanne Le Ber - Basin & Range

550 South 400 East #3407

Salt Lake City, UT 84111

Please make check payable to:

Great Salt Lake Audubon

Please print clearly!

Name _____

Address _____

City, State, Zip _____

Phone _____

Email _____

Circle one class for each session

SESSION I SATURDAY--9:00-NOON

Bohs—Plants

Bui & Skalicky—Butterflies

Pope—Bird songs and calls

Olsen—Birds (all day, limited to 11 attendees)

SESSION II SATURDAY--1:00-4:00

Bills—Insects

Bui & Skalicky—Butterflies

Farr—Bird behavior

Olsen—Birds (continued – all day class)

SESSION III SUNDAY--8:00-11:00

Bills—Insects (class will run 9:00-Noon)

Bohs—Plants

Farr—Bird behavior

Pope—Bird songs and calls