



# THE STILT

BRIDGERLAND AUDUBON SOCIETY

VOLUME 28, No. 1

SEPTEMBER 1999

## A Fine Forest Foray

The final field trip of July found some 20 participants in T.W. Daniels Experimental Forest, learning to recognize and interpret evidence for gradual cycles of forest initiation, succession, maturation and sometimes abrupt demise and their consequences for wildlife such as goshawk, snowshoe hare and grouse. Our USU faculty guides were Fred Baker (forest pathologist), Mark Brunson (forest use and recreation), Jim Long (silviculturist), Mike Wolf (wildlife biologist) and Michael Kuhns (extension forester).

The Daniels Forest was established mid-century. It is four square miles in extent, a quarter of it owned outright by USU, and the remainder used with permission of the Forest Service. Note that it includes the extensive North Rich Grazing Allotment, whose rules for stocking density and grazing are now being redrawn by the USFS. To find the Daniels Forest, drive up Logan Canyon past the Beaver Mountain turnoff, past the Highway Maintenance shed, and then take the first well-maintained gravel road to the right, just shy of the summit.

Although just four tree species compose much of the forest canopy in that area, we learned that their interactions are complex. Lodgepole pine seedlings and aspen suckers, if present, establish after catastrophes, especially fire, such as the extensive one in the region in 1847, or when logging removes most or all of the trees. These two species are shade-intolerant, though, so cannot replace themselves on-site. Rather, shade-

tolerant saplings of Englemann spruce and subalpine fir grow in under the pine or aspen canopy. As pines and aspen succumb to the cumulative insults and maladies of old age (insects and root diseases, wind throw and lightning strike), their places are quickly taken by the fir/spruce trees waiting in the understory. For a while, a structurally diverse stand remains, desirable habitat for many birds like goshawk and mammals like snowshoe hare, who appreciate the mixture of openings, saplings, snags and towering forest canopy.

In the absence of catastrophic insect outbreaks, fires or extensive disease or logging, the forest can become a venerable dark old stand of spruce and fir (300 years at our final stop), but even this stage does not appear to be self-perpetuating. Myriad forest management challenges were presented and pondered by the group. Our forests across the Wasatch Range are not extensive. Different member species of the regional flora and fauna are favored by different kinds and stages of the

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# September Calendar



*Note change in our General Meeting location to the second floor at Chapter Two Books (formerly In the Company of Friends), 130 North 100 East in Logan.*

## Meetings

**Thursday, September 2, 7:00 p.m. Board of Trustees Meeting**, at the home of Bryan Dixon, 10 Heritage Cove. All BAS members are invited to join us as we review projects, priorities and issues.

**Thursday, September 9, 7:00 p.m. General Meeting, 2nd Floor of Chapter Two Books, 130 N 100 E, Logan: Bats in Our Midst.** Dr. Michael Wolfe, a Wildlife Biologist at USU will share information about basic bat biology and then give us a "hands on" (well, almost) experience. There are many species of bats in North America, and a few can be found in Cache Valley. After a short meeting to see a few slides and get an introduction, we'll move out-of-doors to find some bats. We'll get to use some sophisticated audio equipment to detect bats' echolocation sounds and learn the difference between them. The public is invited. Wear a warm jacket as the nights can be cool.

**Saturday-Sunday, September 25-26. Audubon Council of Utah Retreat.** This is the semi-annual gathering of Audubon members from Utah to discuss issues and projects. We also get to do some fun field trips. This September, we'll visit the Gillmor Sanctuary, a 1400 acre refuge on the south shore of the Great Salt Lake, donated two years ago and managed by the National Audubon Society. See details elsewhere in this issue.

## Field Trips

*All BAS trips are open to the public. For more information, call the trip leader listed at the end of each description.*

**Saturday, September 11. Finding Fall Warblers.** Hike up the Coldwater Springs Trail at Tony Grove Lake to find migrating fall warblers. There are some species we just don't see except in migration, and some of these are prominent only in the fall. Meet at 8:00 a.m. at the parking lot north of Straw Ibis, (about 55 East 150 North in Logan); carpooling will be available. Bring warm jacket, lunch and water. Return early afternoon. For more information, contact trip leader, Ron Ryel, 753-6077, range@cc.usu.edu.

**Saturday, September 18. Fall Canoe Trip – Preston to Cornish.** Meet at 8:00 a.m. at the parking lot near Straw Ibis (150 North 50 East) to paddle a section of the Bear River through the north end of Cache Valley. The

put-in is at a bridge directly west of Preston where the river cuts down through ancient river bottom land. Part way along, you must portage around a rocky diversion dam. Thereafter, the riverbank opens up to low-lying farmland, with the trip ending in the first part of the Bear River Bottoms at Cornish. Bring binoculars, lunch, water and warm clothes, along with your own boat (boats can be rented from USU Outdoor Rec or Trailhead Sports). We'll return sometime around mid-afternoon. This trip is open to the public; for more information, call LeRoy Beasley, 753-7491.

**September Evening Wetlands Canoe Series.** Join us as we venture forth into Cache Valley's wetlands by boat for short evening trips. These will all be "out-and-back" trips so we'll go out until we just have time to get back at dusk. If you need a canoe, you can rent one from Trailhead Sports (753-1541) or USU Outdoor Recreation (797-3264), or call the leader to see if they know of canoeists that need partners. Each trip leaves *promptly* at 6:00 p.m. and returns just after dark. Bring warm clothes, water, and brown bag dinner if you like. A flashlight might help at the take-out.

- **Monday, September 13.** Explore the Bear River Delta where it becomes a maze of islands as it enters Cutler Reservoir. Put in at future site of Jim Watterson's Canoe Livery. Meet at 6:00 p.m. at LDS Church in Benson. *Canoes are available for rent at Watterson's Livery – \$10 for the evening, includes PFDs and paddles. (Please call him to reserve boats, 753-3693, or contact leader.)* Trip leader Bryan Dixon, 752-6830.
- **Monday, September 20.** Follow the Little Bear south of Valley View Marina toward the Great Blue Heron Rookery (and probably get lost in the process...). Trip leader Keith Archibald, 752-8258.
- **Monday, September 27.** Island marshes of the Bear River – paddle upstream from Benson Bridge to explore backwaters and side channels. Trip leader Jean Lown, 752-6830.

**Saturday, September 25. Annual Hawk Watch.** Hike up to the crest of the Wellsville Mountains to witness one of the wonders of the avian world. Over 6,000 hawks migrate along the Wellsvilles between mid-August and mid-October. On a good day, we'll see over 100 raptors, including Golden Eagles, accipiters and falcons. We'll hike up Deep Canyon to a station monitored by HawkWatch International and get an update from this year's watchers. The trail gains 3,000' in approximately four miles and is a bit steep in places, so wear sturdy footwear. We like to sit on top for a couple of hours to watch the hawks, and since it is usually cool and windy on the ridge, a change of layers, a warm sweater and a good wind shell make the experience more comfortable. (A small foam pad is a comfy addition, too.) Bring lunch and water. Leave at 8:00 a.m. from the parking lot north of Straw Ibis (50 East 150 North in Logan); carpooling will be available. For more information, or if bad weather makes the trip questionable, call Jim Sinclair, 752-0061.

**Friday-Sunday, October 7-10. Annual Trip to Hear Elk Bugling in Jackson Hole.** This trip is scheduled for Utah Educational Association weekend to give us a bit more time to explore the Tetons area. Most people arrive Friday, but you can arrive on Thursday, as trip leaders will be there early to spot the animals. Spend Saturday looking for bison, pronghorn, elk and other wildlife. After supper, go out to listen for elk bugling. Sunday is free for various hikes. Return by suppertime Sunday. This was one of Allen Stokes' favorite BAS trips, and we always remember him around the campfire. Call Terry Barnes at 563-3910 (evenings and weekends) for information on camping and activities, and to reserve your spot. Terry will also help with carpooling arrangements. Bring your own food and camping gear. Though the weather can be quite pleasant, you should be prepared for freezing temperatures at night.

**Saturday, October 23. Birding the Sewage Lagoons.** Why, you ask, would we want to bird the Logan Sewage Lagoons? Because the birds are there! Why are the birds there? Because they're safe as hunting season pushes the ducks to havens like the sewage lagoons where we can see the "regulars" in large numbers and usually find some "irregulars," too. Meet at 10:00 a.m. at the parking lot north of Straw Ibis, (about 55 East and 150 North in Logan); carpooling will be available. We're usually finished within two hours, but those who want to bird longer can head out into the valley looking for other critters. For more information, call Keith Archibald, 752-8258.

## **Audubon Council Fall Retreat: September 25-26, visit the Gillmor Sanctuary!**

Members of the four Utah Audubon Society chapters will meet Saturday, September 25 and Sunday, September 26 at Camp Tuttle in Big Cottonwood Canyon, just east of Salt Lake City. This is one of two yearly Council retreats (Spring and Fall), where Audubon members get together to socialize, bring each other up-to-date on happenings in our far-flung individual chapters, and discuss possible issues we want our Council to focus on in the year ahead.

Camp Tuttle offers a large cabin with full kitchen (so food items can be refrigerated and heated) and indoor bunk bed accommodations; but please provide your own sleeping bags. We are told that flush toilets were installed since our use of the Camp two years ago. We ask that upon arrival, participants pay \$5.00 per person to partially defray the cost of rental of the facilities. As the host chapter, Great Salt Lake Audubon will provide various beverages, hot and cold, and Sunday morning breakfast.

Early arrivals are asked to provide their own food for Saturday lunch and everyone is asked to contribute to Saturday evening's potluck dinner. Following dinner

we hope to focus our discussion on Watchable Wildlife programs in Utah and the development of birding festivals to educate and stimulate public interest in non-consumable wildlife activities. Bob Walters of DWR is planning to attend, as is his Coordinator of Nature Tourism and Outreach, Wes Shields, who has prepared a timely synopsis of the Sandhill Crane hunt in the states neighboring Utah.

For those who arrive around noon on Saturday, we will have lunch followed by a birding trip lead by GSL's newest board member, Owen Hogle, who grew up in these parts and is an expert in birding in our canyons. Early risers can also bird in the Camp environs before Sunday's breakfast at 8:30 a.m. Following breakfast we will have a Council business meeting. For those who can stay later on Sunday, Ella Sorensen and/or Wayne Martinson will take the group to visit the Gillmor Sanctuary from 1:30-5:00.

Dress warmly, two years ago we had snow on the ground!

### **How to Get to Camp Tuttle**

Take exit 6 (6200 South) off I-215; stay in the left (East) lane and follow the ski area signs to big Cottonwood Canyon. Camp Tuttle is about 14 miles up from the bottom of the canyon; however, the road's mileage sign indicates a little over 15 miles. Look for the first Solitude ski resort blue and yellow sign; the Camp road is 1.4 miles beyond that on the right.

— Mary Gracia, Council President

## **Remember:**

<http://www.audubon.org/chapter/ut/bridgerland>  
Check it for late breaking information and trips that were put together after the *Stilt* was published.

## **Audubon Adventures**

Again this year, BAS will be sponsoring the Audubon Adventures program in 25 or more classrooms in Cache Valley. Audubon Adventures is a series of education programs on environmental science aimed at 4th-6th graders. Each subscription includes the AA nature newspaper on four different and timely topics. The classroom edition includes enough copies for 32 students (there are also home editions for individual families). In addition to the newspaper, there are wildlife adventure videos, posters, and a classroom resource manual to help teachers plan fun activities. Each classroom we sponsor costs \$35. If you'd like to help us sponsor a classroom, want a particular classroom included in our program, or just want more information, contact Jack Greene, 563-6816.

E-mail service provided by XMission. Use the following addresses to contact your BAS leadership:

[stilt@xmission.com](mailto:stilt@xmission.com) – for newsletter items  
[audubon@xmission.com](mailto:audubon@xmission.com) – for anything else

## T.W. Daniels Field Trip

Continued from page 1

diverse mosaic of forest types and tree age classes available. If we wish to retain, say, goshawks both now and in the future, then habitats suitable for nesting and hunting needs must be present and within flight range. With patches big enough to satisfy their need for privacy and yet replicated enough across the landscape so that, should one forest burn, another comparable forest exists a reasonable distance away.

Fire, insects and disease can generate this mosaic, but if their effects reach too extensively in our limited forests, will some kinds of habitats be absent for some decades, and with them, their associated plants, animals and fungi? Are we willing to patiently accept such circumstances? Can intelligent forestry practices mimic these catastrophic yet essential phenomena, but afford us the luxury of putting them when and where we judge best, and at a frequency, size and pattern that we deem most suitable for long-term sustainability? How do we know what is best, and how do we measure it, and at what scale?

Like weather, it is not the average state of the forest but its patterns of variability that are defining. And how do we keep other human uses, such as cows and motor vehicles, in appropriate check so that they don't undo the transition that we seek to impose? Answers gained on the Daniels Forest can be applied to private and public lands through much of the region. The unimpeded mix of questions, insights, explanations, voiced opinions and discussion on this field trip lasted into the early afternoon, happily diverted by sightings of flowering coral root, a crossbill, a goshawk nest, carpenter ants and the dry fecal pellet of a snowshoe hare that earned one Auduboner 25¢!

We roundly agreed that the morning's multi-disciplinary field/demonstration lesson was a pleasant and effective way to bring us up to speed on the interplay of shade, fire, insects, disease, fire and logging for defining the ecological viability of our forests. You can learn more about the Daniels Experimental Forest at:

<http://www.usu.edu/~forestry/twd.htm>. Be forewarned, learn to recognize calls and appearance of crossbills before the snow flies. There is a bumper cone crop among the conifers up there this year that may feed crossbills should they deign to grace our forests this winter. The millennium cone crop promises fat red squirrels too, Y2K problems notwithstanding.

— Jim Cane

### Wanted: Assistant Editor for the *Stilt*..

Need another volunteer to help put our monthly newsletter out. Requires an interest in conservation, collecting stories and attention to timely and regular publication. If this interests you, contact Bryan at [bdixon@xmission.com](mailto:bdixon@xmission.com), or Lois at [stilt@xmission.com](mailto:stilt@xmission.com).

## Checklist Challenge Update

Have you been keeping a list of the bird species you've seen in Cache county this year? If not, time's a wasting! BAS will be giving prizes at next April's banquet to members who have identified 100, 150 or 200 species in our fair county since January 1. Rather than a competition between us, we view this simply as a great motivator to get outside and see stuff. If you need a checklist or more details on the program, contact Bryan at 752-6830, or Keith at 752-8258.

## Board Stuff (As opposed to bored stiff . . .)

*BAS is governed by a Board of Trustees that meets once a month (see Calendar). All BAS members are invited, of course.*

Summer is drawing to a close. Those outrageous mountain wildflowers are fading and becoming brittle, most birds have stopped singing, and the days are getting shorter. For many of us, thoughts of school are beginning to crowd our days. The Board of Trustees held its August retreat and couldn't find a way to make summer last any longer, but we did do some serious thinking about the coming year until we see summer again. Here are some of our thoughts.

**Outings** – We held 35 outings last year from local marshes and mountains to the Pacific Coast. We went to view wildlife, canoe rivers and marshes, and learn about a variety of topics, from rocks to roots. We went out in all seasons and weather, attracted all age groups. We're planning another series of great trips, and repeating many of the best ones from last year. although a few trips are physically demanding, most are easy and suitable for families. We want to continue offering learning opportunities on every trip and keep them fun. They are usually open to the public, so bring your friends and suggest our trips to newcomers to the valley; they're a great way to make new friends.

**Environmental Education** – EE is one of the core goals of BAS, and we work it into everything—general meetings, field trips and special projects. The most successful of our recent projects is the **Stokes Nature Center**. The SNC has succeeded in bringing hundreds of kids and adults a very diverse series of workshops and programs. They're open to the public T, W, and F 10-4, Th 12-4, and the 2nd and 4th Saturdays 9-5. The Saturday programs are particularly fun and interesting, always offering some hands-on experience. The SNC runs on donations and grants, and their fall auction is scheduled for November 13 at the Coppermill Restaurant, so mark it on your calendar and plan to attend! There is no better investment a conservation organization can make than in the education of our youth. BAS wants to continue supporting this vital effort in our community.

In addition to the SNC, BAS provides 25+ classrooms with **Audubon Adventures**, an environmental education program developed by the National

Audubon Society. (See info elsewhere in this issue.) We're also in the fifth year of our local **Environmental Education Grants** program, which makes small grants of \$300-500 to teachers for their own special programs, and we hope to continue. This past spring we helped sponsor the local **Envirothon**, a competition between high school students to demonstrate knowledge and understanding about ecology. This year, the Envirothon was held in Paradise, and the winning team goes on to national competition. Finally, we're continuing work on our **Wetlands Maze** project, funded by PacifiCorp and the Utah Division of Wildlife Resources to focus attention on the wetlands of Cutler Marsh. That project is coming a little slower than first planned, but PacifiCorp is proving to be a good partner and the results are encouraging. We now hope to erect the signs, establish a WWW site and mark canoe trails by spring.

**Conservation** – This past year our volunteers worked hard on **Proposition 5**, the **Water Conservancy District**, **Amalga Barrens Dam**, forest issues such as **Bear Hodges Vegetation Treatment**, **grazing permit reviews**, **forest planning**, to name a few. So many issues demand so much time and a few volunteers are driving hard to ensure that we have a say in our natural resource management.

Conservation can be frustrating when it seems like we're just delaying the inevitable. A recent example was the hearing held by the Division of Water Resources on revisions to their Bear River Basin Plan. They made a big to-do about presenting amendments to the plan and willingness to accept public comment, but when it came down to it, they allotted a rigid three minutes per speaker, and appeared very bored by the whole thing. Judging from their reaction, they were not at all interested in the comments of the public in opposition to surface dams on the Bear at either the Amalga Barrens or Honeyville. While it's tempting to throw up our hands in frustration and just depend on natural selection to take care of the planet, you know we just can't. We have a duty to try to keep this world a healthy place for other species, as well as our own, until future generations replace the myopia rampant in many of today's natural resources policy makers. Having said that, we are always able to find people in natural resources organizations that ARE thoughtful and dedicated to conservation. We must continue to support these individuals, and actively persuade or cajole our public and private sector institutions to make stronger efforts to conserve our natural world.

Conservation can also be a hoot - literally. Some of our members started a bird nesting box program for Wood Ducks, Barn Owls, Western Screech Owls and even bluebirds. Many of the boxes were occupied this summer, encouraging us to keep trying. We'll get those Western Bluebirds back yet!

**Organization** – The Board retreat covered all these bases and then turned to membership. Specifically, how can we attract new members and motivate old

members to become more active. Are we too assertive on conservation issues? Not assertive enough? We get 10-35 people on most of our trips. We often attract newcomers, but most of our regular members don't participate in our outings. Why? Are they already tied up with family, jobs, and their own outings? Meetings attract 15-40 people, but again, many regular members never attend. Should we plan other formats? Other days? Do we need childcare at our meetings? Perhaps the world is just so busy and there are so many groups to which we all belong that most of our members belong to Audubon to "support the cause." This is a valuable and valid reason, but as a Board, we wonder if there's a demand for something else that we could offer to our members.

In the coming months, the Board will be devoting part of its monthly meetings to discussing how to improve the organization. If you've got ideas of your own, contact one of us. We want to know what you need from Audubon.

— Bryan Dixon, President

## New Members

Fahima Sabia Afroze	Jennifer MacAdam
Grace Block	Etta Morrison
Linda A Chisholm	April Nelson
Karen D Felton	Jack Paulsen
Omkar S Kalaskar	Kathy Voth
Norman & Marcia La Barge	Jo Ann Wilson
Andrea Linton	

## Renewing Members

Adelaide Bohart	Harvey Mohr
Libby Book/Mountain Crest	John M Neuhold
Beth Booton	Ivan G Palmblad
John Carter	Lawrence A Ryel
M Cooley/Logan High	Eugene W Schupp
Ruth Eller	James P Shaver
John Ellsworth	Jim Sinclair
Edward & Deborah Evans	Kim & Peggy Smith
Jake Gibson	Matt Stevenson
Andrew D Guss	Mr & Mrs Robert E Taylor
John M Howell	Robert R Trowbridge
Daisy & Trevor Hughes	Gilberto E Urroz
Joanne Hughes	Elaine Watkins
Deann Lester	Cathy Webb
Lance L Littlejohn	Wayne Wurtsbaugh &
Austin McHugh	Linda L' Ai

### **Wanted: Rodent-proof Storage**

Need approximately 8'x8'x8' of storage space secure from rodents for our annual bird seed program. Alternatives include simple secure space with plywood laid on top of upside down metal garbage cans. If you know of suitable space or arrangements, please contact Allen Christensen, 258-5018.

## Stokes Nature Center Second Saturday Programs

**Saturday, September 11 – Great Naturalists . . . Lewis and Clark . . . 10:00 a.m.**

Join local Lewis and Clark historian, Wilmer Rigby, for a look into the journey of Lewis and Clark through northern Idaho.

**Saturday, October 9 – Birds of Prey . . . 10:00 a.m.**

HawkWatch International will visit the Nature Center to present a program on eagles, hawks, falcons and other birds of prey. The program will include an opportunity to meet a live hawk!

**Saturday, November 13 – Stokes Nature Center Second Annual Open House . . . 10:00 - 2:00**

Join us as we celebrate our second anniversary. Activities, demonstrations, and free programs will be ongoing throughout the day.

**Saturday, December 11 – Holiday Decorating for Kids . . . 1:00 p.m.**

Need to finish your holiday shopping? Drop the kids off for two hours and we'll keep them busy making holiday decorations with a nature theme.

**Saturday, January 8 – Winter Survival for Kids . . . 1:00 p.m.**

Learn how to dress for winter adventures, build a winter "survival kit," and listen to tales of the frozen north. Appropriate for kids ages 9-12.

Program costs vary. Members receive discounts!

Call us at 435-755-3239 for more information or  
visit our web site at [www.logannature.org](http://www.logannature.org).

### *Save The Date!*

*Allen and Alice Stokes Nature Center Second annual dinner/Auction fundraiser*

*Saturday, November 13, 1999 at the Copper Mill Restaurant*

*Tickets go on sale October 1, 1999.*

*Call the Nature Center at 755-3239 for ticket locations.*

We need your help! Last year we raised over \$13,000 for Nature Center programs! Our goal this year is to raise \$20,000! You can help us by donating an item or service.

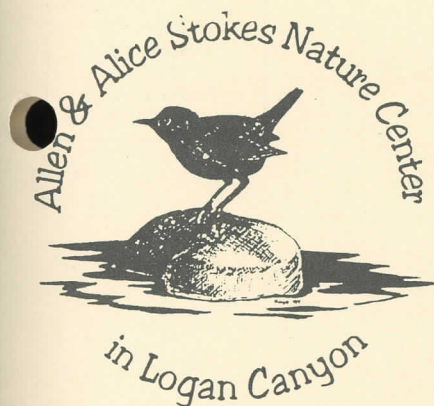
Can you cook an Italian meal? Do you enjoy decorating for the holidays? Can you offer expert computer advice? Do you have a cabin in the woods that you would donate for a weekend? Get the idea . . . ? Please consider donating a service to the 1999 Auction!

Name \_\_\_\_\_ Phone \_\_\_\_\_ Item/Service \_\_\_\_\_

Details \_\_\_\_\_

(For example: dinner for six, comprised of soup, salad, pasta dish of your choice, dessert, beverage, prepared at your home or mine. You bring the guests! A great way to entertain your favorite friends and still visit with them while someone else does all the work!)

Please send to: Stokes Nature Center  
Auction Committee  
P.O. Box 4204  
Logan, UT 84323



Great Naturalists...

# Lewis and Clark

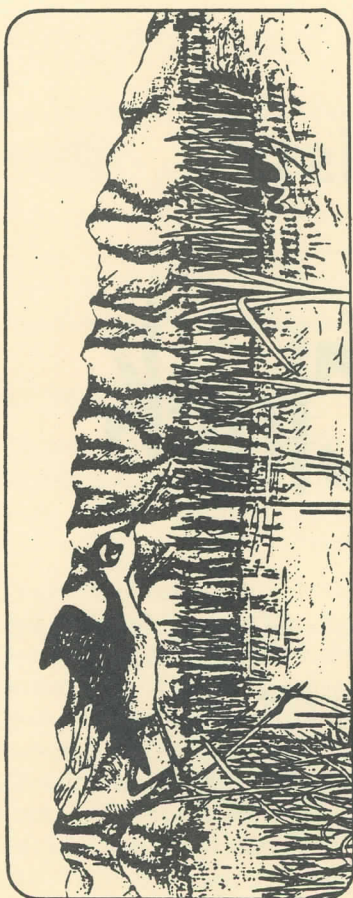
Join local Lewis and Clark historian, Wilmer Rigby, on Saturday, September 11, for a look into the pioneering journey of Lewis and Clark through the wilds of northern Idaho.

The program is designed for families and will include:

- A slide-show peek at the original Lewis and Clark Trail
- Genuine documents from the Lewis and Clark party
- Amazing stories of the trials and tribulations of Lewis and Clark and party members, such as Sacajawea

**When?** Saturday, September 11, 1999 at 10:00 AM  
**Where?** Stokes Nature Center in Logan Canyon  
**Cost?** \$2 for kids 12 and under, \$3 for adults  
(1/2 price for Nature Center members!)

For more information, please call the Nature Center at 435/755-3239, or visit our website: [www.logannature.org](http://www.logannature.org)



# THE STILT

BRIDGERLAND AUDUBON SOCIETY  
P.O. Box 3501  
Logan, Utah 84323  
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Nonprofit Organization  
BULK RATE  
U.S. Postage  
PAID  
Permit No. 104  
Logan, Utah

The Bridgerland Audubon Society meets the second Thursday of each month, September through June, in the upstairs of Chapter Two Books, 130 N. 100 E, Logan. Meetings start at 7:00 p.m. The BAS Planning Committee meets at 7:00 p.m. on the first Thursday of each month, September through June. Locations may change monthly. Check calendar page. Everyone is welcome to attend.

President	Bryan Dixon, 752-6830
Vice President	Chris Wilson, 753-3769
Secretary	
Treasurer	Susan Drown, 752-3797
Conservation	Bruce Pendery, 792-4150
Education	Jack Greene, 563-6816
Membership	Alice Lindahl, 753-7744
Field Trips	Keith Archibald, 752-8258
Newsletter	Lois Olson, 752-9085
Circulation	Susan Durham, 752-5637
Hospitality	Tim & Jackie Henney, 755-6888
Hotline	Nancy Williams, 753-6268

#### Trustees

1997-2000	Mae Coover, 752-8871; Teri Peery, 753-3249
1998-2001	Jack Greene, 563-6816; Ron Hellstern, 753-8750; Merr Lundahl, 753-1707; Lois Olson, 752-9085
1999-2002	Jim Cane, 713-4668; Allen Christensen, 258-5018; Val Grant, 752-7572; Dick Hurren, 734-2653

Membership in the Bridgerland Audubon Society includes a subscription to *The Stilt*, as well as the *Audubon* magazine. The editor of *The Stilt* invites submissions of any kind, due on the 15th of each month. Send to 280 N. 300 E., Logan, UT 84321.

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## National Audubon Society Chapter Membership Application

**Yes, I'd like to join.**

Please enroll me as a member of the national Audubon Society and of my local chapter. Please send AUDUBON magazine and my membership card to the address below.

My check for \$20 is enclosed.

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

Please make all checks payable to the National Audubon Society.



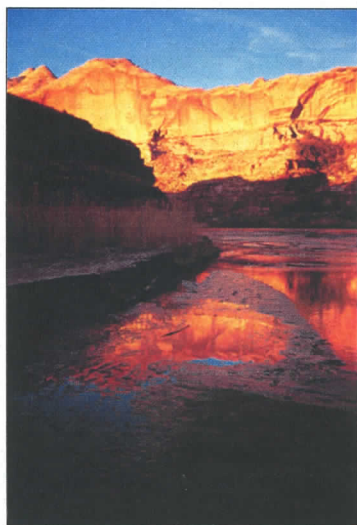
Send this application and your check to:  
National Audubon Society  
Chapter Membership Data Center  
P.O. Box 51001 • Boulder, CO 80322-1001

LOCAL CHAPTER \_\_\_\_\_

Bridgerland Audubon Society  
P.O. Box 3501  
Logan, UT 84323-3501

**W-52**  
Local Chapter Code  
7XCHA

Subscriptions to *The Stilt* are available to non-members for \$10.00 per year. Call Susan Durham, 752-5637. Also, call Susan for new subscriptions or address changes.



# 1999 Fall Courses

## *Petroglyph up the Canyon:*

### *A Writer's Workshop*

October 8-10, 1999

Special Guest Writer: Tom Lyon

## *Wilderness First Aid & WFR Refresher*

November 13-14, 1999

## *Coming this Winter:*

*Introduction to Winter Ecology and Backcountry Travel*

*Winter Trekking in the Bear River Range*

*Canyons of the San Rafael Swell*

*Desert Tracking and Nature Awareness*



*The Bear River Institute creates interdisciplinary courses and workshops to diversify and expand your education. Join university faculty and staff, and experts in the field as you study bioregional education in the Great Basin, Rocky Mountains and Colorado Plateau.*

## Register today!

Call 797-0423 or 797-7379 for more details

Or check us out on the web at [www.ext.usu.edu/bri](http://www.ext.usu.edu/bri)

Registration and information can be found in ECC 103

## *Educational adventures in your own backyard.*

Your own backyard \yōr ōn bak-yārd\ n: wildflowers; alpine meadows; meandering rivers; slot canyons; mountain peaks; Limber pine; glacial-carved lakes; and the trails, water, history and folklore in between.

## BRI's Mission



Bryan -  
Here's a copy  
for the staff  
love

Started in May of 1999, the Bear River Institute of Experiential Education is a non-advocacy organization dedicated to hands-on learning in wild landscapes. Courses use our natural world as a classroom to explore topics of ecology, restoration, planning, art, folklore, recreation, and sustainability, promoting a greater understanding and stewardship with our changing Western public lands.

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## 1999 Fall Course Descriptions

### *Petroglyph up the Canyon: A Writer's Workshop*

October 8 - 10, 1999

Course #: HASS 5250; 1 credit available

*Enrollment is limited, Sign up today*

Course Fee: \$95\*; includes food, lodging, transportation from field station

Offered in cooperation with Petroglyph Magazine, this workshop will be an excellent chance to refine your writing skills, while inspired in Logan Canyon. Join authors Katherine Coles and USU's Paul Crumbley, as we welcome back retired professor Tom Lyon and celebrate the diversity of writing in the West. The workshop will be held in the rustic and historic USU's Natural Resources Field Station. Through a combination of readings, hikes, and small-group discussions, we will have a chance to examine a variety of writing styles and opportunities.

#### Guest Writers:

Paul Crumbley (essay) is an assistant professor at Utah State University where he regularly teaches classes in the American identity and the wilderness experience.

Katherine Coles (poetry) has three collections of poetry including her most current collection published by the University of Nevada Press entitled *The Golden Years of the Fourth Dimension*.

Tom Lyon (nature writing) is a retired professor of English from Utah State University where he was also the editor of *Western American Literature*. He lived in Logan over thirty-five years and left an idelible written legacy of his love for Logan Canyon that continues to be an inspiration.

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### *Wilderness First Aid and WFR Refresher*

November 13-14, 1999

Course #: PE 1670, RR 4910; 1 credit available

*Enrollment is limited, Sign up today*

Course Fee: \$115 (+ \$15 for 1 semester credit)

This two day course is used by many organizations to introduce first aid training and long-term patient care to trip leaders, camp counselors, guides and rescue team members. This course is taught by outdoor professionals from Wilderness Medicine Institute. Successful completion of the course will certify students as Wilderness First Aid providers. In addition it is often used for recertification by those with previous training. We recertify current WFR cards from the following organizations: SOLO, NOLS, WMA and WPT.

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**\*To Register:** Registration of a BRI course does require some processing and paperwork from our trusted Extension staff. Students wishing to receive credit pay tuition which is variable according to the total number of USU credits for which they are currently enrolled. Students not wishing to receive credit may register for a fee of \$25.