



# Wild CALL

A publication of the Utah Chapter of The Wildlife Society

## INSIDE THIS ISSUE

|                                     |    |
|-------------------------------------|----|
| Announcement of 2012 Annual Meeting | 1  |
| Meeting Details                     | 2  |
| Registration                        | 3  |
| Call for Papers                     | 4  |
| Abstract Form                       | 5  |
| Officer Elections                   | 6  |
| Award Nominations                   | 7  |
| Raffle and Auction & Photography    | 8  |
| Quiz Bowl                           | 9  |
| 2013 Grant Winners                  | 10 |
| Grant Application                   | 11 |
| National Update                     | 12 |

## UTAH CHAPTER BOARD MEMBERS:

Randy Larsen, President  
 Carmen Bailey, Past-President  
 Chris Wood, President-Elect  
 Avery Cook, Webmaster  
 Heather Talley, Secretary  
 Justin Shannon, Treasurer  
 Covy Jones, Odd-Year Member  
 Robert Knight, Even-Year Member



## ANNOUNCING: UTAH CHAPTER OF THE WILDLIFE SOCIETY

March 19-21, 2014  
 Lexington Hotel, St. George, Utah

### “ACROSS THE URBAN-RURAL DIVIDE: MANAGING WILDLIFE FOR AN ECLECTIC PUBLIC”

**Plenary Session:** Speakers include: Zach Lowe, Director of Conservation Leaders for Tomorrow (partnered with Wildlife Management Institute and McGraw Wildlife Foundation); Adjunct Assistant Professor for Purdue, Bill Fenimore, Wildlife Board Member/Professional Birding Guide; Owner of Wild About Birds Nature Center, and Brian Cook, Administer of the Highland Urban Deer Program; Owner of Humphries Archery Stores.

#### Other Sessions:

Oral Technical Sessions  
 Poster Session  
 Paper Session

#### Additional Features:

Quiz Bowl  
 Banquet  
 Photo Contest  
 Poster & Presenter Contest  
 Silent Auction



“We shall never achieve harmony with land, any more than we shall achieve absolute justice or liberty for people. In these higher aspirations, the important think is not to achieve but to strive.”  
*-Aldo Leopold*

# MEETING DETAILS



**March 19-21, 2014  
Lexington Hotel  
St. George, Utah**

**Reserve Your Room Today.  
Space is Limited.**

**Conference Hotel:  
Lexington Hotel  
850 S Bluff St, St. George, Utah 84770  
For Reservations: 800-457-9800  
Special Rate: \$75.00 + 11.5% tax  
Name for block of rooms: Wildlife Society**

**Alternate Hotel:  
Abbey Inn  
1129 S Bluff St  
St. George, Utah 84770  
For Reservations: 435-652-1234  
Name for block of rooms:  
Wildlife Society  
Special Rate: \$83.00 + 11.5% tax**



## 2014 Annual Meeting: Tentative Schedule of Events

All daytime and evening events will be held at the Lexington Hotel in St. George, Utah.

Wednesday, March 19th

10:00 —12:00 Field Trips  
11:30—1:00 Registration  
1:00 — 5:00 Plenary Session  
7:00 — 8:30 Meeting & Greet/  
Quiz Bowl

Thursday, March 20th

8:00 —5:00 Technical Papers  
5:30 — 6:15 Poster Session  
6:30 — 9:30 Awards Dinner,  
Raffle, and  
Auction

Friday, March 21st

8:00—1:00 Technical Papers

# REGISTRATION

## Online Registration

We are trying to streamline the process of registration and make it easier for everyone to attend! Follow the link below to register for the conference. Costs are outlined below. Utah Chapter dues are \$10 and are **required** in addition to the registration fee. Please register online at [https://www.regonline.com/uttws\\_2014](https://www.regonline.com/uttws_2014).

Website accepts debit (visa and master card) and credit (visa, master card, amex, and discover) cards. Payment is required at time of registration. Note that registration costs do go up after March 5, however, and that the Banquet may sell out. Cash and checks cannot be taken through the online registration process and are thus discouraged. If you have to use cash or check, they can be taken at the door. Anyone who needs to use cash or check should contact Justin Shannon (justinshannon@utah.gov, 801-538-4788) so they can get the early rate.

## Register for the Conference Here:

### Costs:

#### Required:

- Student Registration \$35 on or before March 5. \$50 after March 5,
- General Registration: \$50 on or before March 5. \$75 after March 5,
- Retiree Registration \$35 on or before March 5. \$50 after March 5,
- OR
- Single Day Registration: \$30 per day,
- AND
- Utah Chapter Dues: \$10 (required unless you already paid through National TWS).

**Optional But Strongly Encouraged.** The Banquet is an annual event where awards are announced and the raffle and auction occur along with other announcements. Most of the attendees generally attend, so you should to! A delicious menu is being planned:

- Banquet Ticket: \$25. Orchid's Catering.
- Extra Banquet Ticket: \$25. Orchid's Catering.

# CALL FOR PAPERS

**Abstracts:** We invite submission of contributed papers and posters on topics of wildlife science, management, ecology, conservation, education, or policy for the annual meeting of The Utah Chapter of The Wildlife Society. **Deadline for abstracts is February 20, 2014.** Participants will be notified of abstract acceptance and scheduling by March 5, 2014. Papers and posters will be accepted based on their technical merit, relevance, and/or contribution to our knowledge. Papers and posters could present results from completed studies or works in progress. Complete applications will include a properly formatted abstract (see sample abstract below) of not more than 300 words and a completed cover sheet (page 4). A digital copy of the registration sheet can be downloaded at <http://www.uttws.org/annual-meeting>.

**Paper Sessions:** If possible, papers will be grouped according to general topic. Oral presentations will be limited to 15 or 20 minutes (including questions) depending on the number of papers accepted. Electronic presentations should be in Microsoft PowerPoint format (version 2007 or older, 2010 may not operate fully).

**Poster Session:** Poster presenters will be required to attend their poster during the scheduled poster session. For instructions and requirements, contact Chris Wood ([chriswood@utah.gov](mailto:chriswood@utah.gov)).

**Submission:** Email all paper and poster abstracts to [abstracts@uttws.org](mailto:abstracts@uttws.org). If you do not receive an email notification confirming receipt of your abstract within 7 days of submission, please inquire to be sure your submission was received. If you have questions or concerns, please email Randy. Abstracts will only be accepted via email. STANDARD MAIL AND FAX SUBMISSIONS WILL NOT BE ACCEPTED. **Paper and poster abstracts, with accompanying cover sheet, are due no later than February 20, 2014.**

EXAMPLE ABSTRACT

**SEXUAL SEGREGATION AND USE OF WATER BY BIGHORN SHEEP:  
IMPLICATIONS FOR CONSERVATION (SIZE 12, SMALL CAPS, BOLD, CENTERED)**

**Jericho C. Whiting<sup>1</sup>, R. Terry Bowyer<sup>1</sup>, Jerran T. Flinders<sup>2</sup>, Vernon C. Bleich<sup>1</sup>,  
John G. Kie<sup>1</sup> (Size 11, Bold, Centered)**

<sup>1</sup>Department of Biological Sciences, Idaho State University, Pocatello, ID 83209 (Size 11, Centered)

<sup>2</sup>Department of Plant and Wildlife Sciences, Brigham Young University, Provo, UT 84602

Males and females of most dimorphic ruminants segregate outside the mating season, which may necessitate that conservation efforts focus on differential habitat used by the sexes. Bighorn sheep (*Ovis canadensis*) are one of the rarest ungulates in North America with some populations listed as endangered, and males and females of this species use habitat differently. Water sources are important for the persistence of populations of bighorns, especially in a changing climate. Understanding whether the sexes use different water sources could influence the conservation of these unique animals and the habitats they occupy; however, little research exists regarding this important topic. We tested hypotheses relating to use of water sources by reintroduced male and female bighorns in Utah, USA, from 2005 to 2006. We investigated whether use of this resource differed across seasons by sex, and if sexes used water more during drought compared with non-drought conditions. Bighorns used small, adjacent core areas during segregation, and males and females used different sources of water during that time. Males visited water sources used by females more during aggregation. Males and females used water sources more in summer, and males visited water sources more during rut than did females. Males and females did not use water sources more during drought compared with non-drought conditions; however, sexes visited water sources more during the season following drought than following non-drought conditions, indicating a time-lag in use of this resource. Our results highlight the importance of water sources used by sexes of bighorns, and indicate that the existing criterion for distance of bighorn reintroductions from water may be inadequate for successful establishment of populations. We recommend conservationists assess availability of water sources near habitat used by male and female ungulates prior to conserving and manipulating habitat, siting artificial sources of water, and reintroducing animals. (Size 11, 1.15sp between lines)

## PAPER AND POSTER ABSTRACT COVER SHEET

The Utah Chapter of The Wildlife Society  
2014 Annual Meeting  
Lexington Hotel  
St. George, Utah  
March 19-21, 2014

Name of Corresponding Author: \_\_\_\_\_

Institution: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State/Province: \_\_\_\_\_

Zip/Postal Code: \_\_\_\_\_ Country: \_\_\_\_\_

Telephone: \_\_\_\_\_ Cell: \_\_\_\_\_

E-mail: \_\_\_\_\_

Abstract Title: \_\_\_\_\_

Author(s): \_\_\_\_\_

Name of Paper Presenter: \_\_\_\_\_

Presentation Format Preference (check one):

*Professional Oral:* \_\_\_\_\_ *Student Oral:* \_\_\_\_\_ *Poster:* \_\_\_\_\_

If my preferred presentation format is not available (check one):

*I authorize a switch:* \_\_\_\_\_ *I withdraw my abstract:* \_\_\_\_\_

Do you wish to participate in the "Best Professional Paper Presentation, Best Student Paper Presentation, or Best Poster" Contest? (check one) Yes: \_\_\_\_\_ No: \_\_\_\_\_

Other special needs (e.g., scheduling preferences):

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## UTAH CHAPTER SEEKS NEW OFFICERS

The Utah Chapter of The Wildlife Society will be looking to fill five positions in 2014. Officers will be elected by the membership at the annual meeting. Nominations for the following positions are now being accepted:

**President-Elect:** Responsible for organizing the 2015 Annual Meeting in the first year. Responsible for elections, scholarships, and newsletters (in coordination with the Secretary) in the second year. And responsible for awards and for passing on institutional knowledge about the Chapter to the President and President-Elect in the third year. Position lasts 3 years.

**Treasurer:** Responsible for managing the Utah Chapter's finances. Prepares financial reports and serves on the Research/Grant Management Committee. Position lasts 2 years.

**Secretary:** Responsible for assembling and editing the Chapter's newsletter and assisting the board members with executive tasks. Position lasts 2 years.

**Odd-year Member:** Responsible for soliciting donations, maintaining positive relationships with donors, and providing occasional articles for the quarterly newsletter and other assignments as needed. Position lasts for 2 years.

**Webmaster:** Responsible for gathering content for and maintaining the TWS Utah Chapter website, using the templates and tools provided by the National TWS. Position lasts 2 years.

### Would you or someone you know make a good TWS Utah Chapter Officer?

Submit nominations to Randy Larsen at [randy\\_larsen@byu.edu](mailto:randy_larsen@byu.edu) or (801) 422-2322. Please provide names and contact information, and indicate which position you are making the nomination for.

WILDLIFE  
SOCIETY  
THE  
UTAH CHAPTER

## AWARD NOMINATIONS NEEDED

Annually, the Utah Chapter of The Wildlife Society awards chapter members, individuals, and groups who have made a significant contribution to the profession and field of wildlife conservation and management. Do you know someone who deserves recognition for their accomplishments? Nominations are now being accepted for the following awards:

**Award of Excellence:** Designed to recognize one Chapter member each year for career-long achievement and professional excellence in wildlife research, management, publication, administration, or education. This award may be given to an individual only once during their career.

**Award of Merit:** Designed to recognize Chapter members for meritorious performance in wildlife research, management, publication, administration, or education projects or programs. This award may be given to more than one member each year and may be given to an individual more than once during their career.

**Conservation Achievement Award:** Designed to recognize nonmember individuals or groups for outstanding contributions or service in wildlife research, management, publication, administration, or education projects or programs. This award may be given to more than one individual or group each year and may be given to an individual or group more than once.

**Certificate of Appreciation:** Designed to recognize a member or nonmember (individuals, agencies, or groups) for outstanding efforts or accomplishments in assisting with or furthering any aspect of wildlife conservation. This certificate may be given to an individual or group more than once.



**Nominations will be accepted at any time between now and February 20, 2014.** The awards will be presented at the 2014 Annual Meeting Banquet at the

Lexington Hotel.

Please email nominations and a description of why you feel this individual or group should

receive the award to **Carmen Bailey** at [carmenbailey@utah.gov](mailto:carmenbailey@utah.gov).

## CALL FOR AUCTION AND RAFFLE ITEMS

### RAFFLE AND AUCTION TO SUPPORT STUDENTS!

*Do you own a business or know someone who does?* Do you have a hobby such as photography, wood-working, taxidermy, painting, etc.? Would you like to donate to a wonderful cause? If you answered yes to any of those questions, please consider **helping to gather donations for our annual silent auction and raffle** during the upcoming meeting in St. George. The proceeds fund scholarships given to exceptional undergraduate and graduate wildlife students at Utah colleges and universities. Donations are tax deductible and, of course, cash donations are accepted. If you are interested, please contact **Robert Knight** ([robert.n.knight@us.army.mil](mailto:robert.n.knight@us.army.mil)) for donor forms. Thanks in advance for your support!

## PHOTOGRAPHY CONTEST

### ENTER TO WIN OUR ANNUAL 2014 PHOTOGRAPHY CONTEST INFORMATION AND RULES

A long-time tradition, the 2014 Annual Meeting will also be the site of the 2014 **Photography Contest**. Photos will be accepted in the following categories: **(1) wildlife species, (2) scenery, and (3) biologists at work**. Photos must be 8 x 10 inches in size and unframed; both film and digital photos will be accepted. Contestants may enter up to 3 photographs per category. Awards for “**best in category**” and “**best overall**” will be voted on by the membership at the Annual Meeting and prizes will be awarded at the banquet. Photos should be submitted at the registration desk upon arrival to the Annual Meeting on March 20, 2014. Amateur photographers only, please. Questions can be addressed to **Tom Becker** at [tombecker@utah.gov](mailto:tombecker@utah.gov).

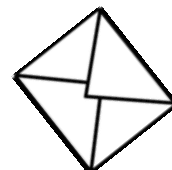




## UTAH CHAPTER'S QUIZ BOWL!!

At this year's 2014 Annual Meeting, we will have our **Utah Quiz Bowl!** This event, modeled after the one held at the National Meeting, will consist of **8 teams**. Anyone interested in participating on a team should

*contact Frank Howe ([frankhowe@utah.gov](mailto:frankhowe@utah.gov)) or Randy Larsen ([randy\\_larsen@byu.edu](mailto:randy_larsen@byu.edu)), co-chairs of the event.*



Competing teams will be made up of students, professional biologists, and academics. Teams may be organized by agency or school. You don't have to be part of a team or have one in mind to participate! Teams will be assembled by the co-chairs of the event though you can state your preferred team members when you volunteer to participate.



**Win Prizes!!!** In addition to state-wide bragging rights, of course! And the chance to defend your title at the next Annual Meeting! It is a great way to get noticed by professors and professionals alike as well. New to the membership? Get involved!

# 2014 STUDENT GRANTS-IN-AID

The Utah Chapter of The Wildlife Society is announcing Grants-in-Aid for graduate and undergraduate research. We propose issuing 2 grants up to \$1,500 each to assist student research and 3 grants for up to \$1,000 each to provide mentoring funds. Read and follow the instructions below and submit year application to [Randy Larsen at randy\\_larsen@byu.edu](mailto:randy_larsen@byu.edu) by **March 1st**. The winners will be announced at the annual TWS meeting this Spring.



## ANNOUNCING THE WINNERS...

### Utah Chapter's 2013 Grants-in-Aid

The Utah Chapter announced the availability of Grants-in-Aid for graduate and undergraduate research in 2013. These monies are available to all TWS members and are intended to promote scholarship, research, and experience to students of wildlife in Utah. The Utah Chapter Board Members reviewed several applicants and awarded four grants totaling \$4,000. Congratulations to our winners!!!

**BRYAN KLEUVER** — Graduate, Utah State University—\$1,500 Recipient

**“The relationship between artificial water sources and the ecology of kit foxes and coyotes on the U.S. Army Dugway Proving Ground, Utah”**

**ERIC FREEMAN**—Graduate, Brigham Young University—\$1,500 Recipient

**“Effects of sex ratio on parturition synchrony in mule deer”**

**LUCAS HALL**—Graduate, Brigham Young University - \$500 Recipient

**“Competitive interactions between exotic and native ungulates at water sources in the Great Basin Desert”**

**STEVEN SIMS**—Undergraduate, Utah State University—\$500 Recipient

**“Can the Normalized Difference Vegetation Index (NDVI) be used as a Predictor Variable of Mountain Lion (*Puma concolor*) Home-range Size?”**

# GRANT APPLICATION REQUIREMENTS

## Research and Mentoring Grants

The purpose of Utah Chapter TWS **research grants** is to assist marginally funded research projects, not add to already well-funded efforts. These funds can be used for supplies, travel, wages or publications associated with existing wildlife projects.

Utah Chapter TWS **mentoring grants** reimburse students for their time, supplies, travel and/or other expenses involved with conducting a wildlife research project. Students may either design their own project or work on a professor's ongoing research, but all students must work with a faculty mentor. Some students may approach faculty with their own ideas, while others may propose to assist wildlife research that is already on-going. Students should initiate the mentoring relationship by asking a faculty member to advise them on a project.

## Proposal Guidelines

The following information must be included in the head of the document: Proposal Title, Applicant's name and Applicant's email.

**Proposal Format must follow these guidelines:**

- ◆ Goal/Purpose: write a succinct statement summarizing the goal of the project.
- ◆ Importance of project: explain why this project is important. It may, for example, fill a research need, attempt to provide a practical solution to a vexing problem, or create an aesthetic work of art.
- ◆ Main Proposal Body: This section is the main body of your proposal. Include your research plans, methods and expectations for this project based on the unique skills you and your mentor possess to conduct this project. If you need to include images or symbols with your proposal, please be sure to optimize the images so the entire document is not more than 2 MB.
- ◆ Anticipated Outcome: describe any presentations, displays, publications, or other tangible outcomes you anticipate. This may be a paper, a formal presentation, a performance, an invention, or even a lecture in a public forum such as a class presentation.
- ◆ Qualifications: explain why you are qualified to pursue this project.
- ◆ Project Timetable: summarize the major milestones in your project.

## Eligibility for Grants

- ◆ Must be currently enrolled as a fulltime student and a member of Utah TWS
- ◆ Must be in good academic standing.
- ◆ Must have a research project in need of financial support for research grant OR Must have faculty member who is willing to serve as a mentor for mentoring grant





# THE WILDLIFE SOCIETY

## NATIONALS INFORMATION:

### Call for Proposals — NOW OPEN

The Wildlife Society 21st Annual Conference will take place October 25-30, 2014 in Pittsburgh, PA. Review the call for proposals for workshops, symposia, panel discussions, breakfast roundtables, and special poster sessions and submit your proposal <http://wildlife.org/documents/conferences/pittsburgh/call-for-proposals.pdf>. Proposals should focus on topics of wildlife science, management, conservation, education, or policy. The deadline for submission is January 29, 2014.

### Request for Associated Reception or Working Group Meetings

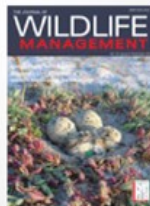
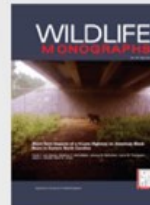
The Wildlife Society 21st Annual Conference will take place October 25-30, 2014 in Pittsburgh, PA. The Request for Associated Reception or Working Group Meetings is available here, <http://www.wildlife.org/sites/default/files/images/TWS%202014%20Call%20for%20AR%20WG%20Final%20V2.pdf>. The deadline for submission is June 30, 2014.

## SUBSCRIBE TODAY

*The Journal of Wildlife Management*

*The Wildlife Society Bulletin*

*Wildlife Monographs*



## NOW IN PRINT

*The Wildlife Professional*  
Winter Issue