



# The Magpie

The Wildlife Society / Sacramento-Shasta Chapter



Volume 24, Issue 3                      **50<sup>th</sup> Anniversary Edition**                      Winter 2016

## President's Message

*Rhiannon KlingonSmith*

Hello everyone, first off I would like to wish everyone a happy holiday season! Wow, has the year flown by. With the field season coming to an end, wrapping up projects for the year and working on permitting for next year's projects, I am sure we have all be super productive. And guess what, so has your Sacramento-Shasta TWS Chapter (Chapter)!

We hosted two major workshops, a natural resources symposium, brown bags, mixers, training events, and more. We attempted to have a big party to celebrate the Chapters 50th anniversary at Camp Pollock; however the event



was canceled due to weather. But that means we still want to celebrate with you all and will work on something for the upcoming year. It has been a great experience being a part of it all and helping provide our members with such great learning opportunities. I would like to give a big thanks to all of our board members and volunteers who help make these events possible, we could not do them without you! I would like to encourage our members to participate in board activities or find ways to volunteer for events and planned activities.

Our Chapter has had great success this year in reaching out to other non-profit organizations, forming partnerships, and working towards common goals. Our webpage has been under construction, but we are slowly piecing it together, so stay tuned and be sure to check it out for updates and upcoming events. Our membership continues to be strong, with well over 250 members annually. Thank you to our members for supporting your Chapter and making everything we do possible!

Stay tuned for your new board members this February at the Western Section TWS Annual Meeting in Reno, Nevada. Hope to see you there.

With that said, if you would like to get more involved in the Chapter, now is the time, we are currently accepting

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nomination requests for new officers. So, send your nomination to the Chapter's email address ([sac.shasta@gmail.com](mailto:sac.shasta@gmail.com)) or get in contact with a board officer. See our webpage for more details.

With 2016 coming to an end, so does my role as the Chapter's president. I will continue as past president, and will serve on other board related committees. I would like to thank you all for giving me the opportunity to serve as your 2016 Chapter president. It has been a pleasure and an honor to serve such an amazing community of environmentalists and professionals, and also getting to know so many friendly faces throughout it all. I look forward to seeing you all in the years to come.

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### **Vice President's Message**

*Ona Alminas*

Season's greetings, all. Our Chapter Board elections are wrapping up now (by December 31, 2016), which means that hopefully Chapter members received their ballot to vote for our candidates for elected positions, and support



#### **IMPLEMENTATION – To aid in the achievement of the Chapter objectives, we propose to:**

1. Encourage and provide an opportunity for better liaison among the individual member and the Western Section together with associated chapters, the Western Section Representative, and the Society.
2. Recognize and commend outstanding work in the profession.
3. Focus the aims and objectives of the Society and the Western Section upon professional wildlife needs, problems, and events in the Sacramento-Shasta region of California.



#### **OBJECTIVES – Consistent with the objectives of TWS, the Sacramento-Shasta Chapter objectives are:**

1. To develop and promote sound stewardship of wildlife resources and of the environments upon which wildlife and humans depend;
2. To undertake an active role in preventing human-induced environmental degradation;
3. To increase awareness and appreciation of wildlife values;
4. To seek the highest standards in all activities of the wildlife profession.

our incumbents for our other positions. As a continuing elected member, I am excited to continue on the Chapter Board as the incoming President for 2017. For me, continued involvement in an organization like TWS that celebrates the contributions of members within the fields of science, wildlife management principles, environmental policy and conservation, is critical in a time when these fields risk threat in our pressing climate and political era.

This past year (2016) was one of our Chapter's busiest yet – hosting two workshops and our biennial Natural Resources Symposium, celebrating our Chapter's 50th anniversary, as well as mixers and socials. Among our accomplishments, however, was facilitating our best Chapter member engagement on committees we've seen in the last couple years. This was accomplished by extending our call for wildlifer engagement in multiple ways – over our Mailchimp email digests to our 900+ mass interested parties emails, through emails to our 200+ Chapter members, at our website, via announcements at our workshops, word of mouth and lunch meetings with those

(Vice President's message cont.)

interested to help out our Chapter, among other means. And did we get ever the response! Our subcommittee involvement by Chapter members for our Tricolored Blackbird workshop (May 2016) and the Giant Garter Snake Symposium (September 2016) was incredible (see the recap below).

These actions take to heart the importance of expanding on the legacy set by past Board and Chapter members in our 50th anniversary year to offer opportunities and build expertise to support our growing Chapter membership. It's more important, now than ever, to become and stay engaged. I look forward to helping lead the charge as President in 2017.



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### **Executive Board Happenings**

*Claudia Funari*

On September 13th and November 15th, the Executive Board met to discuss and plan Chapter events and operations.

Board members voted to approve donating \$2,500 from the Tricolored blackbird workshop to the Audubon Society specifically targeted at Tricolored blackbird conservation via the \$5 for 5 birds campaign. Another \$500 was voted to be donated each to 2017 Creek Week and the California Department of Fish and Wildlife's (CDFW) educational Nature Bowl. Finally, the Board voted to donate \$500 to the Western Section's Annual Meeting Raffle in Reno.

The Professional Development Committee reported a successful Giant Garter Snake Symposium in September 2016, with an estimated \$15,500 generated for the Chapter. The Natural Resource Symposium in November was a

success, over 68 people registered and attended; the symposium generated

about \$2,500 for the Chapter. The Salt Marsh Harvest Mouse Symposium is set for next year on May 23rd, 2017, and Katie Smith will be chairing the planning committee. Another potential workshop considered for 2017 was a wildlife biologist certification workshop. Rhiannon and Ona helped plan the AEP/APA/TWS Joint Winter Mixer on December 7th, 2016; and our Chapter contributed \$630 dollars toward the mixer.



*Vernal pool in Sonoma County*

*Photo by Claudia Funari*



(Exec. Board Happenings cont.)

**Next Sac-Shasta TWS Board Meeting**

Please join us at our next Board meeting on Tuesday, **January 10th, 2017** at Kupros Craft House in Midtown Sacramento from 5:30-7:30pm. See you there!

Social events in 2017 were discussed and it was decided that the lunchtime brown bag seminars would be transitioned into evening social/mixers as a means to better accommodate busy workday schedules and promote socialization after work hours; dates will be set by the Board for social events next year.

Kate Howard and Micheal Finnell discussed the thought to start work with students to create a TWS student chapter at CSU Chico

– the Board supported this idea. The UC Davis student chapter would like to start a coordinated mentorship or internship program with the Sac-Shasta Chapter.

This idea was discussed by the Board, and moving forward the Chapter may provide a job shadowing program that recruits volunteer members to show students a day at their jobs. The Student Outreach Liaison will work on setting this program up in the next year, if there is enough interest by Chapter members and their employment affiliations to participate. The Student Outreach Liaison will help the UC Davis chapter put together a student/professional mixer in the spring of 2017.



The Technology Committee is still looking into domains for our Chapter website and whether our Chapter can use the Western Section’s domain site which has now been transitioned to a Gmail-sponsored server. The chapter has finally found someone to update the website regularly. Melinda will also be continuing on as Technology Chair and helping to update the website and do small changes when necessary.



The Western Section of TWS is adding a new committee: The Diversity Committee. This committee will work on reaching out to marginalized communities and improving the diversity of people

devoted to the conservation of wildlife, including our TWS membership. The Sac-Shasta Chapter hopes to implement some ideas in conjunction with Western Section to move this committee forward.





CA Red-legged Frogs

Photo by USFWS 2016

**Elections Committee**

*Carlos Alvarado*

The candidate list for potential 2017 Chapter Executive Board Members was finalized at the November Board meeting. Per Article V of our Chapter bylaws, there are 5 Elected positions, and several Appointed committee chairs. The Elected positions are: President, Vice President, Secretary, Treasurer and Representative to Western Section. Per our chapter bylaws, even in an uncontested election, a list of candidates for Elected

positions is submitted to voting Chapter members (voting members are those who have paid dues for 2016) before the new Board takes office at the Western Section Annual Meeting in Reno February 9, 2017. The Committees for our chapter currently consist of Technology Committee, Scholarship Committee, Northern Region Liaison, Membership Committee, Professional Development Committee, Newsletter Committee, and the newly implemented Diversity Committee. More information about elections can be found on our [webpage](#).

The Vice President (President Elect), President, and Past President constitute a 3-year term on the board. As such, the President automatically transitions to Past President (Rhiannon Klingonsmith-2017), and Vice President transitions to President (Ona Alminas-2017), and so these two do not require a vote. The ballot for 2017 elected board members was available from **Dec. 1 through Dec. 31, 2016**. **If you are a voting member, and didn't receive a link on Dec. 1 to vote, please email us at [sac.shasta@gmail.com](mailto:sac.shasta@gmail.com).**

**Chapter Representative to the Western Section Report**

*Katie Smith*

It's that time of year, when the Western Section board members and other volunteers are busy planning and preparing for the **2017 Western Section Annual Meeting!** The meeting, which is February 7-10, 2017, will take place in beautiful Reno at the Peppermill. This year's meeting will feature some exciting new activities like an Instagram photo contest and the inaugural meeting of the Western Section Diversity Committee. This year the planning committee received more submission for talks than in many years. We can all look forward to a great selection of oral presentations to choose from. Additionally, we have a very exciting plenary session lined up: **Invasive Species: Globalization and bad decisions** featuring **Dr. Daniel Simberloff** and **Dr. Nancy Poiani**. If the



*\*Justin D. Garcia*

*Butterfly Valley Botanical Area*



(W. Section Report cont.)

meeting isn't enough for you, then check out our pre conference symposia on Pikas, Greater Sage-Grouse, and the Altamont Pass. There will also be pre-conference trainings on Wilderness First Aid and Construction Awareness. We hope to see you all there! Please see the Western Section Announcements for more information, below.



In more technical news, Western Section members can expect to see a vote for changes to the Western Section dues policy when we vote for our next president-elect (voting ends February 3, 2017). This vote will concern the cost of regular dues, establish two new higher level dues categories, and allow periodic increases based on the Consumer Price Index. Part of the dues increase will go to support the expansion of professional development opportunities for members. This includes supporting a paid Workshop Coordinator who will work to provide many more workshop opportunities each year than the Western Section Board, which is made up primarily of volunteers, has been able to offer in the past. Be on the lookout for new and exciting opportunities!

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## Conservation Affairs Committee

Melinda Dorin-Bradbury

The Committee organized the Natural Resources Symposium for the Chapter this year to great success. We had an interesting set of talks, and it was well attended. We presented on the local feral cat issue and discussed how the chapter plans to move forward with adopting a policy in 2017. We are also developing a webpage with Conservation Affairs content to add to our chapter website. Although we don't always get the chance to comment on everything we would like to, we think having the information

available to members is a good start. Committee interest is growing – we will meet or reconnect right after winter break. You can email [sac.shasta@gmail.com](mailto:sac.shasta@gmail.com) with suggestions or interest.





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## Membership

*Melinda Dorin-Bradbury*

We close out 2016 with great membership numbers. We have 320 members, I'm not sure but that must be a record for the chapter! Many people are renewing for 2017 already through Western Section and TWS International. If you are renewing your dues through Section or TWS, please renew the chapter at the same time. Or you can renew through our website using Paypal at [www.tws-west.org/sac-shasta](http://www.tws-west.org/sac-shasta). I am turning over the membership coordinator reins to Claudia Funari in 2017. Happy holidays, Melinda

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## Technology

*Melinda Dorin-Bradbury*

First, it is great to know that we have a committee to take on technology responsibilities. We used to just have a [website](#), and then we added a [Facebook page](#) (please "Like" it if you haven't already). Now we use mail chimp and we have an [Instagram](#) account, too. We also have a new point person for website updates, so keep checking back often for new information. We don't want to bombard you with emails and information, but we do want to make sure that relevant, important, and fun information is available to you. Look for regularly scheduled Mailchimp digests to start appearing in 2017 as we continue with making more information available to our members. We do maintain two lists, one for members and one for interested people, so if you want to have first opportunity to register for workshops, you should sign up for Chapter membership for \$10.

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## Scholarships

*Rhiannon Klingonsmith*

This year our chapter was able to award an Academic & Research Scholarship to Ms. Annelise DelRio. Funding will be used to help support her Ph.D. research, which she is currently conducting through U.C. Davis on Chinook salmon. We did not have any travel grant applications come in for 2016, and we would like to encourage students and young professionals to apply in the future. We have a new year upon us, which means we have new opportunities for scholarships from the Chapter. I would encourage you to take a peek at our webpage and see if our scholarships can help you.





**U.C. Davis Student Chapter Update**

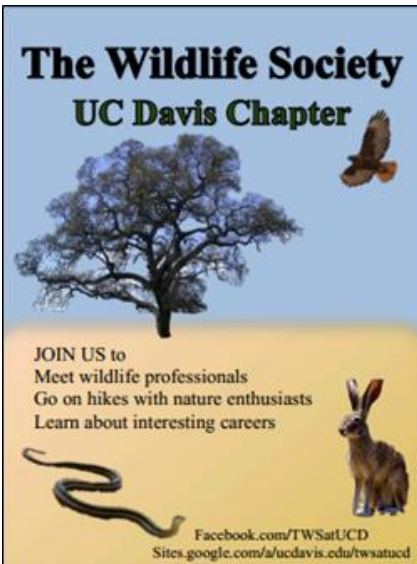
*Bailey Higa*

The Wildlife Society: UC Davis Student Chapter was founded in 1975 as a registered student organization. Today, TWS at UC Davis remains committed to bringing our members closer to wildlife and the environment they live in by facilitating events such as presentations, hikes, and networking socials.



In fall 2016, we as a student chapter elected new officers, and have a team of 12 leaders moving forward. Our officers have incorporated a couple new ideas and concepts this year. We decided to make community service an integral part of our organization for this academic year. We organized volunteers to help with the Winters Salmon Festival, and have included weekly opportunities to get involved with the community in our newsletter. Additionally, we have incorporated weekly, voluntary study hours for our

members where we reserve quiet space on campus available to our members for studying.



Other fall events hosted include: Cosumnes River Preserve Birding Trip, LinkedIn Workshop, UC Davis Raptor Center Tour, Q&A Session with UC Davis Veterinary School's Club WAAM, Dixon Corn Maze, Scavenger Hunt with the Environmental Club, Blaze Pizza Fundraiser, and a Lake Berryessa Hike with Vet Aide Club. For our upcoming winter quarter events, please keep an eye on our [website](#) and our [Facebook page](#). If you would like to get in touch with the student chapter, or get onto our mailing list, please email Bailey Higa, UC Davis TWS President 2016-2017, at [brhiga@ucdavis.edu](mailto:brhiga@ucdavis.edu).

Additionally, if you would like to participate in our annual spring professional networking mixer, please fill out this [form](#).

**Treasurer's Report**

*Bonnie Peterson*

As of November 15th, 2016,  
the Chapter balance was:

Savings Account	\$ 2,141
CD	\$ 10,013
CD	\$ 6,208
PayPal	\$ 3,555
<u>Checking</u>	<u>\$ 33,498</u>
Total	\$ 55,415







**UPCOMING EVENTS, WORKSHOPS & ANNOUNCEMENTS**

**Salt Marsh Harvest Mouse Symposium**

*Katie Smith*

Have you been curious to learn about the ecology, conservation and management of the **amazing**, but sadly **endangered**, salt marsh harvest mouse? Well you are in luck because on **May 23rd, 2017** the Chapter along with the UC Davis student chapter of The Wildlife Society will be hosting a one-day **Salt Marsh Harvest Mouse Symposium**. Our **tentative schedule** is shaping up to be very exciting! Specific topics to be addressed will include the following information about salt marsh harvest mouse (*Reithrodontomys raviventris*):



*Salt marsh harvest mouse*

*Photo by Katie Smith*

- Presentation of Katie Smith's dissertation research on salt marsh harvest mouse ecology
- Historical perspectives on salt marsh harvest mouse research and management
- Genetics of the salt marsh harvest mouse
- Status of the salt marsh harvest mouse and its habitats throughout the SF Bay
- Research methods for salt marsh harvest mouse

Finally, we will end the day with an expert panel question and answer period and full group discussion. There will even be a poster session during lunch! And if all of this isn't enough to get you excited, we are also working to organize field trips on the two days following the symposium.

Be on the lookout for the call for registration early in the New Year, and if you are too excited to wait, you can check out our Facebook event to receive updates! If you have questions, comments or suggestions, or if you would like to be involved in planning this exciting event please contact [Katie](#). We can't wait to see you all there!

**2017 Nature Bowl**

The Chapter is contributing \$500 to the 2017 [Nature Bowl](#), the CDFW's environmental science competition for students in the 3<sup>rd</sup> to 6<sup>th</sup> grades. Workshops for volunteer coaches are in **January** and **February**, and student competitions are from March to May. If you'd like to volunteer as a judge or otherwise be involved, it's a wonderfully fun engagement! Contact [Bruce Forman](#) for more info.



*Nature Bowl*



## Brown Bag/ Evening Seminars – Call for Speakers!

The Chapter is looking for other interested speakers and abstracts for upcoming brown-bag topics. We are looking for speakers who would meet the general interests of our Chapter membership in wildlife biology and environmental fields (but could also draw people from the general public). Please send abstracts or talk ideas to [sac.shasta@gmail.com](mailto:sac.shasta@gmail.com). Brown bag seminars are generally from noon to one, but in 2017 we may hold them in the evening with a social mixer combo. Attendees will listen to local scientists or policy makers give informal presentations about their work. Check the Chapter’s [upcoming events webpage](#) or [Facebook page](#), or your email, for the next brown bag seminar or social!

## TWS Western Section Announcements

### ***2017 Western Section Annual Meeting at The Biggest Little City in the World, NV***

The 2017 Western Section TWS Annual Meeting will be held at the [Peppermill Resort Spa Casino](#) in [Reno, Nevada](#) from **February 6-10, 2017**.

Participants will attend concurrent technical sessions, learn about a wide variety of studies and research projects during the poster session, engage in a plenary discussion about “***Invasive Species: Globalization and bad decisions***,” and take advantage of the opportunity to

network with peers and wildlife professionals. Dr. Daniel Simberloff and Dr. Nancy Poiani will lead the plenary session, and [Juan Palma](#), **Director of the Nevada Chapter of The Nature Conservancy (TNC)**, will give the **keynote address** along with some other TNC conservation scientists.



There will be three separate pre-conference symposia on the following topics: 1) Fourth Conference of the North American **Pika** Consortium; 2) **Greater Sage Grouse** Symposium – Identifying and Managing Threats to Great Basin Greater Sage-grouse Populations; and 3) **Altamont Pass** Symposium. Conference professional development opportunities include a resume workshop, how ‘not’ to give an oral presentation workshop and career fair and student professional mentoring lunch, in addition to a snowshoe field trip to Chickadee Ridge.



Early bird registration has already passed; however, online pre-conference registration will remain open until **January 27th, 2017**. Concurrent session abstracts are now available online, [check them out!](#) We hope to see you at the Western Section *and* Sac-Shasta Chapter Annual Meetings in Reno!



**TWS International Announcements**

Save the date! The Wildlife Society will hold its [24th Annual Conference of The Wildlife Society](#) in **Albuquerque, New Mexico** from **September 23-27, 2017**. Proposals for workshops, symposia, panel discussions are due by **March 10th, 2017**, and proposals for contributed papers and special poster sessions are due by **April 7th, 2017**. The Wildlife Society invites proposals related to all aspects of wildlife ecology, management and conservation. Full registration and conference program details will be available May 15, 2017. More info at: <http://wildlife.org/tws-24th-annual-conference/>.



**PAST EVENTS**



**Giant Garter Snake Symposium**

*Ona Alminas*

The Giant Garter Snake Symposium was held September 21st, 2016 at the lovely Falls Event Center in Elk Grove, CA. We had over 165 attendees from across the state (from Arcata to San Diego) attend to



listen to 20 presentations highlighting the research and advances by 15 experts in giant garter snake conservation and management since the chapter hosted the last giant garter snake workshop in 2011. The 2016 workshop was co-organized with the Professional Development Committee by Laura Patterson, current Statewide Coordinator for Amphibian and Reptile Conservation for CDFW. Laura was also the Chapter's co-lead for planning this symposium back in 2011, with support from the U.S. Geological Survey.

Three concurrent field sessions involved over 80 field participants (half the Classroom session attendees!) at sites where giant garter snake conservation efforts are occurring through broad, collaborative management strategies. Thirty attendees visited **Colusa Basin Mitigation Bank**, a recently constructed, 160-acre habitat mitigation bank in Colusa County. Eric Hansen (Independent Consulting Biologist) and Rob Capriola (Westervelt Ecological Services) discussed habitat features necessary for the snake and how the site contributes to a much larger conservation area because of its proximity to other wetland conservation projects, protected properties and the Colusa NWR. Attendees got to see a captured giant garter snake!

At **Cosumnes River Preserve, Snake Marsh** 35 attendees witnessed one of the



Over 165 attendees enjoyed 21 presentations from 15 speakers for a full classroom session all about the Giant Garter Snake.



last remaining semi-natural wetlands that support giant garter snakes, learn about the particularly important conservation priority of this population. The Field Instructors were Sara Sweet (TNC), Eric Kleinfelter (CDFW) and Laura Patterson (CDFW).

Lastly, USGS staff Brian Halstead and Dustin Wood, along with John Roberts (Natomas Basin Conservancy) led approximately 18 attendees at **Natomas Basin Conservancy's BKS Tract** to witness the Conservancy's first (and very successful) habitat restoration and enhancement project for giant garter snakes, amid a matrix of wetlands, rice and other farmlands, and urban areas.



Feedback from the symposium attendees has been useful for future workshop and symposium planning, but overall indicates the symposium was highly successful. This symposium was able to grant 8 total Continuing Education Units (CEU) in Category I Certified Wildlife Biologist Renewal/ Professional Development Certificate Program for TWS Professional Development. Check out our Past Events pages for the speaker agenda, presentations, from the event, and more! <http://tws-west.org/sac-shasta/home/calendar/past-events/>. Photos from the event can be seen and shared [here](#).

We had several sponsors help support our Giant Garter Snake Symposium. We'd like to thank our Premier Sponsor, the Sacramento Zoo (and speaker Dr. Ray Wack), for their support, as well as several other organizations.

Sincerest thanks to CDFW, Ducks Unlimited, The Natomas Basin, The Nature Conservancy, USGS, Westervelt Ecological Services and other partners for helping arrange field site access for the field sessions.



**Gold Sponsors**



The GGS planning committee members have been a rockstar group to help coordinate this symposium: Kim Erickson of Westervelt Ecological Services, Ariel Miller of ECORP; Michael Finnell of State Parks Division of Boating and Waterways, and David Moldoff of Analytical Environmental Services. As Rhiannon said, we are fortunate for the assistance by Chapter members in committee positions to ensure our events are successful!



### Sacramento Valley Conservancy – 24<sup>th</sup> Annual Treasures of the Valley “Farm to Fork” – fundraiser and special lodge dedication

On Thursday, November 10th, 2016, the Sacramento Valley Conservancy held their annual fundraising event, the “Treasures of the Valley” at Camp Pollock along the Lower American River. Several of our Chapter Board members attended to celebrate with the Conservancy and for recognition of in-kind support. The evening featured the local cuisine of Sacramento region farm-to-fork, wine tastings by Bogle, music, silent auction and wonderful connection with friends and colleagues. This year’s celebration was made special due to the efforts to restore the historic Camp Pollock lodge, and the ribbon cutting for the south wing River Deck! More information about this event found here: <http://www.sacvalleyconservancy.org/help-tov.asp>



Board members Carlos Alvarado, Melinda Dorin Bradbury, Rhiannon Klingonsmith, Ona Alminas and Claudia Funari attended the Sacramento Valley Conservancy’s annual fundraising event, the “Treasures of the Valley” to help celebrate the re-opening of the lovely “River Deck” on the restored historic Camp Pollock lodge.

### Tricolored Blackbird Biology, Conservation, and Survey Techniques Workshop

The current candidacy of the Tricolored blackbird (*Agelaius tricolor*) under the California Endangered Species Act, and active consideration of a petition under the Federal Act, has increased the need for information on the species. The very successful Tricolored Blackbird Workshop was held on May 4-5, 2016 at the Folsom Veterans Hall, and special thanks go to the instructors Dan Airola, Ted Beedy and Samantha Arthur, in addition to our premier sponsor Environmental Science Associates. The workshop provided a concise but comprehensive overview on the biology, status, management, and survey techniques for the blackbird through a combined classroom and field workshop. With continued interest in the status of Tricolored blackbird, the Chapter hopes to hold another workshop within the next two or so years.





**Brown Bag Seminar – Rodents, snakes, and raptors, oh my! Wildlife use of restored and exotic grasslands in California’s Central Valley**

*Ona Alminas*

On August 30th, 2016, Dr. Kristina Wolf presented to over 25 wildlife professionals, agency biologists and other interested members of the public about her dissertation research on grasslands in California at the Department of Water Resources West Sacramento offices. Her dataset is riveting, and results suggest that restoration to native isn’t end-all, be-all, when species habitat use suggests that some non-native habitats can meet life history needs. As a former Sac-Shasta TWS 2014 academic scholarship recipient, we appreciated her time and effort to present for our Chapter! Her presentation can be viewed at our chapter website [here](#).



*Swan Tour, view West towards Sutter Buttes*

*Photo by David Moldoff*

**CDFW Swan Tours**

*Ona Alminas*

On Saturday, December 3th, 2016 Vice President Ona Alminas, Past- President Carlos Alvarado and chapter members (Vice President candidate David Moldoff and fiancée Jessica Horohov) joined in on the 9:30am tour run by CDFW, Region 2 Interpretive Services. CDFW staff member Genelle Treaster engaged well over 30 attendees of the public to describe the cooperative efforts between local rice farmers (including the Matthews’) in Marysville that provide a beneficial relationship for the migratory waterfowl in the form of rice stubble and for

the rice farmers to benefit from the fertilizer left behind by foraging waterfowl. Genelle demonstrated adaptations between swan and geese through study skin specimens of birds viewed in the rice fields, including differences in morphology and diet, and informed the attendees about lifelong pair bonding.



*Photo by David Moldoff*

Genelle Treaster of CDFW Interpretive Services provides an overview of the breeding and wintering ecology of our the Marysville flocks of waterfowl during the Dec. 3 2016 Swan Tour.

In addition, David Moldoff and Carlos Alvarado spotted a collared tundra swan. The certificate from the USGS indicates he is a male bird hatched around 2006, banded in July 2008 in the Kobuk Delta Northwest Arctic Borough. Ten years later, the gander continues his migration south with his flock. Great spot, guys!



**Winter Mixer**

*Ona Alminas*

Well over 125 members from our Chapter, the Association of Environmental Professionals (AEP) Superior California Chapter, American Planning Association (APA) Sacramento Valley Section came out for a joint winter mixer at the Momo Lounge at Harlow's, 2708 J St, Sacramento on Wednesday, December 7th. It was a well-attended event with a hosted first beverage, tasty appetizers (mmm sliders!) and a great ambience. Members of the Young Planners Group with the Sacramento Valley Section of APA joined us, and it proved to be a great venue for side conversations and networking. Another highlight for our Chapter was our recognition of Melinda Dorin Bradbury's 15 consecutive years of serving on our Chapter board (see below for additional details). Donations were accepted to support the River City Food Bank. Many thanks to Katherine Waugh, Elizabeth Boyd, Janet Dallas for organizing, manning registration, as well as to Emily Bacchini for their assistance in pulling off this popular event!



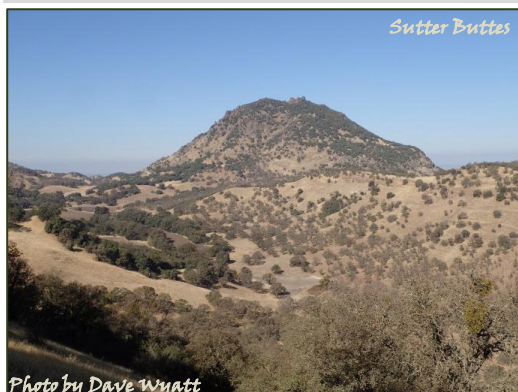
Recognizing 15 years of consecutive service on the Sac-Shasta TWS Chapter Board by Melinda Dorin Bradbury. L-R Chapter member R. Logsdon, O. Alminas, M. Bradbury, M. Riley, R. KlingonSmith and C. Alvarado.

**JOB and VOLUNTEER OPPORTUNITIES**

Open Exam bulletin for **Environmental Scientist** (multiple State agencies) at the following website: <https://jobs.ca.gov/Public/Bulletin.aspx?examCD=9PB01>. If you are on the Environmental Scientist list, you can check for [vacancies](#). For the latest information on seasonal openings with CDFW, visit <https://www.wildlife.ca.gov/Employment/Seasonal>.

Check out The Wildlife Society's Wildlife Careers Online at <http://careers.wildlife.org> and the TWS-West job site at <http://www.tws-west.org/jobs.php>. For local job announcements and volunteer opportunities, check: <http://tws-west.org/sac-shasta/home/jobs-volunteering>. If anyone has job or volunteer opportunities to post in our next newsletter, please contact the [editor](#).

**\*\*\*NOTICE\*\*\***



**Wildlife Tours**

Join **Cosumnes River Preserve** staff and visitors for several events this winter, from Ducks in Scopes to Sandhill crane tours and guided hikes. Check out the Preserve's [webpage](#) for upcoming events!

**Sandhill Crane Wetland Tour at the Woodbridge Ecological Reserve.** CDFW docent-led public tours are [available](#) to view greater and lesser Sandhill cranes at Woodbridge Ecological Reserve outside of Lodi, W Woodbridge Road (95242). Self-guided tours are also available and are enhanced with interpretive panels.



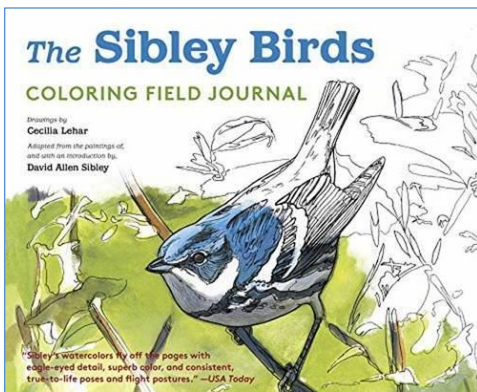
**Other Upcoming Events and Items of Interest**

***California Climate Change Symposium – January 2017***

The [2017 Climate Change Symposium](#) will be held on **January 24-25, 2017** in **Sacramento, CA**. This year's symposium will feature preliminary reports from *California's Fourth Climate Change Assessment*, a status report on the state's *Climate Change Research Plan*. At the California Climate Change Symposium, the program will consist of multiple panels where scientists, policymakers, community members and practitioners discuss how climate disruption relates to topics such as sea-level rise, wildfire, extreme heat, drought, and biodiversity, adaptation on natural working lands, infrastructure and social systems.



[Registration is now open!](#)



***Galt Winter Bird Festival – January 2017***

The City of Galt, in collaboration with the Cosumnes River Preserve and Galt Joint Union Elementary and High School Districts, is pleased to bring you the [10th Annual Winter Bird Festival](#) on Saturday, **January 21st, 2017**. Festival guests will enjoy the beauty and tranquility of the **Cosumnes River Preserve** and the incredible opportunity to catch sightings of waterfowl, shorebirds and wildlife in their winter habitat. Festival headquarters provide a starting point for exclusive preserve tours, educational presentations, wildlife shows, art displays, wine walk, hometown history and hands-on activities. **Oh, and David Allen Sibley will be the keynote speaker, and signing books!** This is a winter celebration you'll always remember!

***Snow Goose Festival of the Pacific Flyway – January 2017***

Birders and nature enthusiasts of all ages are invited to attend the [18th Annual Snow Goose Festival](#) from **January 25-29, 2017**, one of the premier birding events in California. This action-packed five-day event celebrates the millions of waterfowl migrating along the Pacific Flyway that call the Northern Sacramento Valley their home during the winter months. It also gives our local community an opportunity to rediscover the abundant treasures the North State has to offer all year round, from wholesome foods and delectable wines to inspirational artists and gifted musicians. And with the wide variety of engaging youth activities, there truly is something for everyone at the Snow Goose Festival!



[Registration is now open!](#)





**Ringtail Workshop – January 2017**

The [Mesocarnivore Live-trapping, Morphometrics, Camera-detection, and Radiotelemetry Workshop](#) was held **January 6-8, 2017** in the Sutter Buttes, the smallest mountain range in the world! This [new workshop by Dave Wyatt and The Wildlife Project](#) focused on ringtail (*Bassariscus astutus*) natural history, and included demonstrations of trapping and handling of the species in the field. Stay tuned for the next time! This is an opportunity to see the ringtails in the wild,

and will allow you to be associated with a long-term natural history project important for the conservation and recovery of ringtails. You will have an opportunity to see these animals close-up, and are extremely likely to handle at least one and maybe more.

**Declining Amphibian Population Task Force – January 2017**

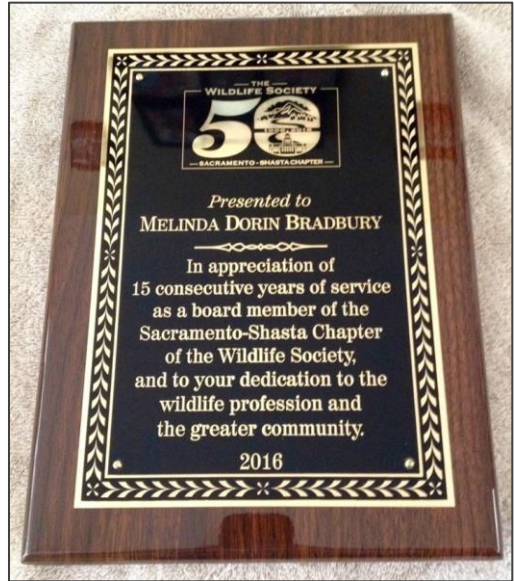


The [California/Nevada Amphibian Populations Task Force 2017 Meeting](#) will be held at the **Santa Barbara Zoo** on **January 12 – 13, 2017** with a field trip on Saturday, **January 14th**. The cost is \$120, and [registration is now open!](#)

**Advanced Bird Banding Workshop – April 2017**

The [Southern Sierra Research Station](#) is offering the [Advanced Bird Banding Workshop](#) by the Institute for Bird Populations on **April 10-14, 2017**. The workshop will be located in the beautiful **Kern River Valley** in California. This advanced bird banding class is designed to help participants fine tune the banding skills they already possess and to advance their comprehension of molt strategies and ability to recognize molt limits and plumages on birds in hand. You will spend the morning mist-netting and banding birds, and in the afternoon will have classroom lectures and discussions. Workshop cost is \$850 with a \$150 non-refundable down payment. Housing may be available at an additional cost on a first come, first serve basis. Places are limited so [contact SSRS](#) soon with your name, address, and phone number.





**Honorary Chapter Service Recognition – Melinda Dorin Bradbury**

Melinda Dorin Bradury was recognized at the joint mixer with the AEP and APA chapters on December 7th, 2016. On behalf of the Chapter, President Rhiannon Klingonsmith and Vice President Ona Alminas presented to Melinda a plaque and commemorative coffee mug in recognition for her commitment and dedication.

Melinda has served on the Sac-Shasta Chapter of TWS board for not five, not ten, but 15 consecutive years. Since 2001 when she was the Chair of our Professional Development Committee, she has served varying terms in **eight** of our **12** board member positions! This year (2016) marks her 15th year on the board, and she continues to serve the chapter in an incredible capacity! Her husband, Mike Bradbury, served on our board as well, from 1997-2000 in the Vice President, President and Past president positions. Melinda continued serving on the board after she and Mike married, and she didn't back down during and following the birth of their two children. For multiple years, she even served in dual Board positions to take on another set of duties, including this past year when she served as our Membership Chair, and stepped up Chair of our Technology Committee (taking it upon herself to learn some web design, marketing software, and coordinating with our webmaster). She has also chaired our Conservation Affairs Committee for the last several years, which is a special commitment because it involves engaging membership to prepare letters supporting or commenting on legislative proposals, to advocating for science-based decision making.

The Sac-Shasta Chapter, and local community is immensely lucky to have Melinda on our board. As our veteran board member, she is our guiding light to help us newer board members learn from what has and hasn't worked in the past, maintain consistency with past practices, and continue effort to achieve our Chapter goals. We appreciate her perseverance and vision, and high standard of commitment. **Thank you, Melinda, for all that you have put in over the years, and for your dedication to not just our chapter and wildlife peers, but to the greater community.**

**Melinda's positions over the years include:**

- 2016 – Membership Chair, Acting Technology Chair
- 2015-2017 Conservation Affairs Committee Chair
- 2011- 2015- Membership Chair
- 2007- 2010 – Secretary
- 2005-2006 – Western Section Representative & Technology Chair
- 2004 – Past president
- 2003 – President
- 2002 – Vice President
- 2001-2002 – Professional Development Chair



# THE WILDLIFE SOCIETY

Leaders in Wildlife Science, Management and Conservation

## Perspectives from the Ol' Timers of TWS Sacramento-Shasta Chapter

We are celebrating the 50th anniversary of the Sacramento-Shasta Chapter of the Wildlife Society by featuring the perspectives and reflections of past Board and Chapter members. Topics include historical perspectives of wildlife conservation in the Chapter boundary, and stories of our wildlife professional colleagues. Enjoy!

### Sac-Shasta Perspectives

by Esther E. Burkett

Hello to all Sacramento-Shasta Chapter members! In honor of the special 50th anniversary of our Chapter, I am writing to reflect back to the early 1990's and to compare to where we are today.

I served as the Chapter president during 1994 and 1995, and past president in 1996. I was fairly new to Sacramento having only arrived in March 1991. My previous job was working in northern Orange County, California, with most of my time spent managing Bolsa Chica Ecological Reserve, and reviewing and commenting on CEQA documents in the county. That was a much smaller task, hard as it was, compared to working as a wildlife biologist with statewide responsibilities out of Sacramento. I arrived shortly after the federal listing of the northern spotted owl in 1990, which was followed by the adoption of the Northwest Forest Plan in 1994. It was a pretty intense time, to put it mildly, on many fronts. The California Department of Fish and Game (now known as the California Department of Fish and Wildlife (CDFW)) had just started up a large timber harvest review program in the state due to the recognized need for conservation of species such as the northern spotted owl and marbled murrelet.



Northern spotted owl.

Photo by Tom Kooput, US Forest Service.



Ringtail

Photo by Dave Wenzel

Little did I know of all the challenges and opportunities that lay before me at the time, and all that I had yet to learn! Becoming involved with the Sacramento-Shasta Chapter and its members was a professionally rewarding experience that helped me gain public speaking skills and valuable friends and colleagues. The working relationships that I developed via Chapter work helped make my job easier, given the diverse affiliations of biologists within our Chapter.

Barry Garrison, for whom the TWS Western Section "[Barrett A. Garrison Outstanding Mentor Award](#)" is named, had encouraged me to run for the position. Barry, Marty Berbach, Brad Valentine, Bob Motroni, Mike Chapel and I were all heavily involved in timber harvest and forest management issues on private and public land, and



(E. Burkett cont.)

conservation of forest-associated wildlife species (e.g., northern spotted owl, fisher, n. goshawk, and marbled murrelet). I believe that Bob, Barry, and Marty were the first wildlife biologists ever hired by CalFire, known as the California Department of Forestry and Fire Protection back then.



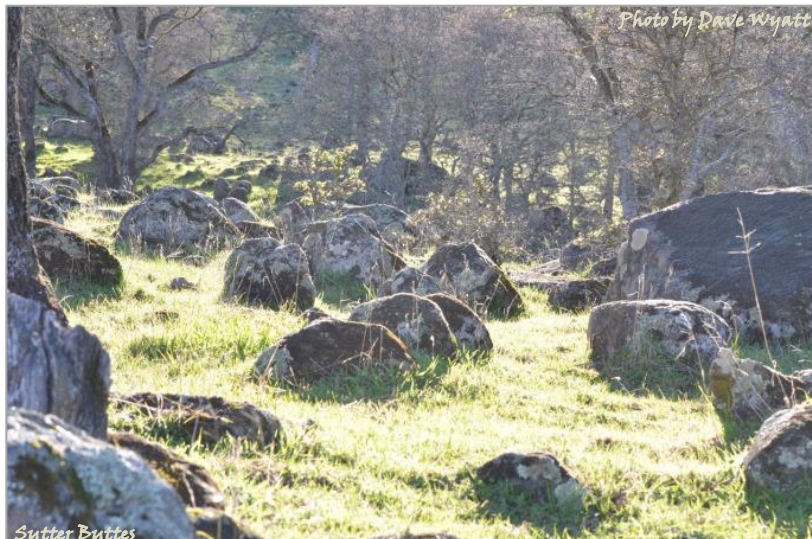
Linda Spiegel, Dick Anderson, and Jim Brownell with the California Energy Commission were always helpful with Chapter work, along with Kevin Hunting, John Gustafson, Ken Mayer, Mike Bradbury and John Carlson, among others.

I recall that we changed the name of our newsletter to the Magpie during my term as president, along with the logo, and I compiled the newsletter in 1994 and part of 1995. After work, Chapter members would get together to mail out, yes, mail out hard copies of the newsletter. Those were fun times, as we discussed our jobs, the challenges, and took tips from each other on how to be more effective in our work. We also talked about all the research that needed to be done on wildlife species to help us conserve them. We wanted the best scientific information available to make our recommendations and decisions.

My main job during those two years as president was to secure a speaker each month for our lunchtime brown bag seminars in the Sacramento downtown area. We had good turnout every month, and the invited speakers covered topics and species both inside and outside our Chapter boundaries, and current hot topics. It was a wonderful scientific experience for everyone to learn about a new species or management issue, and served as a good bonding experience for Chapter members. It's funny for me to think about things that are so common now, such as using laptops, power point and memory sticks vs. slides and a projector. Even the advancements in GIS technology have been monumental since the 1990s. I recall CalFire had a GIS specialist back then, and I remember being jealous that we did not have such in CDFW. The first maps I had made for marbled murrelet distribution and habitat were made for me by CalFire staff. Having good maps of species and their habitat and distribution is essential while giving scientific presentations, and back then, it was an ordeal. Some of you readers may recall the slide program Harvard Graphics, one precursor to power point. One had to plan ahead to have your slides ready in time, there was no chance for late night changes to your presentation the night or morning before your talk!

Our Chapter has been excellent in the last few years with brown bag seminars, workshops, field training, mixers, camping trips, and hikes, compared to the past. That is a big change I have noticed. My sincere thanks to those who have organized the events, and worked so hard to educate biologists and bring us all together.

I encourage you readers to throw your hat in the ring for any Chapter positions, be it as an elected officer or committee member. It will enhance your professional skill set to work with others to help plan scientific workshops, or field techniques classes and training. As occurred for me, I'm sure the working relationships you develop with some Chapter members will be vital to your job success, and the friendships are a sweet reward too.



In closing, step outdoors and go observe wildlife, and take others along, especially some children. Teach them well and refresh yourselves.



## Sac-Shasta Perspectives by Randi Logson

In the 1990s I lived and worked in the Silicon Valley as a software test engineer and made a good amount of money, but I wasn't satisfied. I wasn't doing anything that had any meaning to me or my life, so I decided to make the transition from computer science to biological science and work with wildlife, something I cared deeply about. I had no idea how competitive the field was and how difficult it would be to get a full time position, let alone turn it into a lifelong career change in my late 30s. But I was extremely passionate about wanting to do it and make a difference for the wildlife, so I started down the path and never felt discouraged or dissuaded. This may sound like I was a super ambitious, optimistic, and confident person, which was only slightly true; however, there was much more to it than that. I had been told the best way to get a foot in the door was to volunteer. While I worked my 80-hour computer industry job, I spent as many weekend and evening hours as I could volunteering—first observing harbor seals, second doing wildlife rehabilitation, third doing bird surveys and small mammal trapping. Through my volunteer efforts, two new worlds opened up to me—birding and The Wildlife Society.



I was as bright-eyed and bushy tailed as it got, but nothing prepared me for being laid off from the computer industry and suddenly needing to search for a job in the wildlife world without the right education or much experience. I could have gotten very discouraged during my several months of making calls and sending out resumes, but I had encouragement and inspiration. A biologist I volunteered for got me hooked up to attend a Western Section meeting; and since I had moved from the Bay Area to Grass Valley, I joined the Sacramento-Shasta Chapter. Even though I was a wannabe at that point and not yet even a student, several people I talked to from the Chapter gave me their time and advice. From that encouragement and my little bit of volunteer work, I landed my first seasonal position doing spotted owl surveys, went back to school for the biology degree, and continued doing seasonal work until I landed my full-time career as an environmental scientist. All this time, I maintained membership of both the Western Section and the Chapter, became active on the Chapter board, joined national, and stayed engaged in Chapter events.

My first introduction to the Wildlife Society was 15 years ago. One thing over all of these years has not changed. The Chapter continues to be a strong welcome mat to individuals who have the desire to get involved in a wildlife career, regardless of who they are and what their background is. Since becoming an active professional, I have made it one of my top priorities to engage in as many student-professional networking events and opportunities as possible to coach and encourage “young” professionals who care about our natural resources to stay on the path of following their dream. Students will find me nearly every year at the career fair, student professional lunches, speed-networking socials, and student-professional



(R. Logsdon cont.)

mixers trying to do for others what my predecessors did for me. And I am pleased to go home after each one of these events feeling like I encouraged or inspired someone, and even more pleased when I hear about these people landing their first positions in the field.

Wildlife work is as much about people as it is about wildlife, and it seems many wildlifers forget that. It is disheartening to see scientists who are so caught up in their accomplishments and egos, they turn away from others who are just beginning to negotiate the ropes of the process and need a little bit of a helping hand. It seems the Sacramento-Shasta Chapter has really grasped this concept and provides the wildlife community a huge service by placing a strong value on recruiting people who are new, enthusiastic, somewhat naive, but dedicated to making this world a better place for nature and for the people who use and enjoy it. As we retire or move away and the new recruits come online, I hope the cycle continues. Especially during this very politically uncertain time for the environment we are experiencing now, it is critical the Chapter continues its culture of turning its back on no one. The wildlife will need all the help they can get, and it takes that special personality who cares enough about them to get out there, do things that are half nuts and the other half crazy, and keep our beautiful and beneficial species extant and flourishing. From my perspective, the Chapter finds those people and helps them succeed in that goal.



On June 14th, 2014, the Fish and Game Commission voted to list the [gray wolf](#) (*Canis lupus*) as endangered under the California Endangered Species Act (CESA), and on January 1st, 2017 gray wolf was officially added as an endangered species pursuant to California regulations. CDFW recently completed the [Conservation Plan for Gray Wolves in California](#).



## **The Infamous HSU Waterfowl Field Trip of 1976**

Rick Williams, CWB  
Humboldt State University, Class of 1977

The wildlife profession is fraught with peril. A moment of distraction when handling a captured animal armed with razor sharp teeth or claws can take you from 10 fingers to 9 in the blink of an eye. An untreated tick bite can expose the body to the ravages of Lyme disease. Aerial surveys can lead to loss of life. These and many

other hazards are well known to wildlife biologists worldwide, but sometimes danger lurks in unlikely places...such as a simple Thanksgiving dinner.

In November 1976, Humboldt State University wildlife professors Dr. Charles (Chuck) Yocum and Dr. Stan Harris (Doc) escorted roughly 40 eager students on the annual field trip to the Sacramento National Wildlife Refuge and Gray Lodge Wildlife Management Area to view wintering waterfowl and study waterfowl management practices. Many of the students attending went on to be leaders in the wildlife profession and long-time members of the Sacramento-Shasta Chapter of The Wildlife Society. Their identities are withheld in this account to protect their reputations and legacy.



The trip began uncomfortably early Friday morning as students and professors boarded one of the old gray HSU school buses, sans seat belts, for a clattering, bone-jarring, butt-pounding, exhaust-spewing 8 hour trip from Arcata to the Central Valley. The old bus traveled unsteadily up and over Lord-Ellis and Berry Summits;

(The Infamous HSU Waterfowl Trip of 1976 cont.)

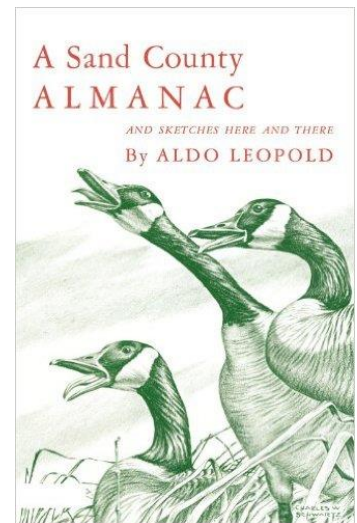
negotiating hundreds of treacherous curves high above Willow Creek and the Trinity River; past Hawkins Bar, Burnt Ranch, and Whiskeytown; before ultimately descending from the Trinity Alps to the Sacramento Valley and arriving at the Sacramento NWR where backpacks and sleeping bags were deployed in the refuge warehouse. The exact sequence of events over the next few days has grown somewhat blurry over the years but the following key memories are firmly etched in HSU lore.



After weeks of classroom instruction, students were eager for field observations, to implement species identification techniques, and to simply soak in the vast expertise of their professors. Dr. Yocum and Doc Harris, preeminent ornithologists and waterfowl experts, were eager to share their knowledge with the students who trailed behind them like a brood of mallard ducklings following a hen. In that first afternoon at Sacramento NWR, students learned such skills as distinguishing the calls of snow geese and white-fronted geese from within the cacophony of a mixed flock, recognizing the front-heavy appearance of northern shovelers in flight, and separating divers from dabblers based on wing-beat

speed. Following dinner and an evening of camaraderie, students retired to their sleeping bags one-by-one and were serenaded to sleep by the blissful sounds of the marsh.

Day 2 was spent at Gray Lodge Wildlife Area, the first wildlife area in the Sacramento Valley, which now encompasses 9,100 acres and supports over 300 species of birds and mammals. The students had been hearing in the classroom about the importance of Gray Lodge to the waterfowl of the Pacific Flyway and now many were seeing it for the first time. For several students, the experience would trigger an acute interest in waterfowl that would lead to employment at Gray Lodge immediately upon graduation from HSU followed by career-long specialization in waterfowl management. But that day offered a bonus. The intrepid band of HSU students and professors were joined by a group of wildlife students from U.C. Berkeley led by Dr. A. Starker Leopold, oldest son of the legendary Aldo Leopold, “father of wildlife management”. For the HSU students, meeting Dr. Leopold was an incredible honor; but watching Dr. Yocum and Doc Harris engage with Dr. Leopold as friends and professional peers instilled pride knowing they were being taught by giants of the wildlife



profession.

As the day progressed, a few students observed a bit of competition developing between the three professors. If Doc Harris pointed out the first observation of a species that day, Dr. Leopold would be eager to match it with a new species of his own, while Dr. Yocum had all the students in awe over his ability to differentiate little black dots in the stratosphere as northern pintail, American wigeon, and a host of other species. Perhaps the battle was simply rooted in the imagination of the students and driven by school pride but the final score seemed clear to those from HSU: Lumberjacks - 2, Bears -1!





(The Infamous HSU Waterfowl Trip of 1976 cont.)

The activities of the day had fueled a tremendous appetite among the students and plans were made to transport the entire group to the nearby town of Gridley for an all-you-can-eat Thanksgiving Dinner at the local Moose Lodge. However, having starving college students at an all-you-can-eat meal is like throwing raw meat into a pool of piranhas. The food goes down quick and the feeders don't stop until every scrap is consumed. So when the students got off the bus and entered the dining hall, the look on the Moose Lodge volunteers was one of true panic. Forty students took their seats around several tables while the professors set at a table off by themselves to observe the carnage from a distance.



After the final turkey was stripped clean, the last batch of stuffing put down, and the last pumpkin pie devoured, students and professors boarded the dilapidated school bus for the 1-hour trip back to the Sacramento NWR. The mood was upbeat with many jokes told and students continuing to pester the professors with questions about what had been observed that day. Upon arrival at Sacramento NWR, the tired band of students headed to the warehouse and got in their bags for some much needed sleep.

At some point in the middle of the night, perhaps 2 or 3 am, one student felt an unsettling feeling in his stomach. The queasiness escalated into loud gurgling within minutes followed by an urgent need to visit the nearest restroom. Not wanting to disturb sleeping fellow students, he quietly emerged from his sleeping bag and stepped carefully through the maze of other bags scattered across the floor. Upon exiting the warehouse, he made quickly for the cinder-block, three-stall restroom located across the gravel parking lot. As he neared the facility, he encountered the terrible realization that the students he so deftly avoided when leaving the warehouse were already in line in front of him. Salmonella poisoning had swept through the entire group! For the remainder of the night, as one student would exit the restroom, he/she (restroom was unisex that night) would go to the end of the line and await their next turn. At one point, someone called for mandatory toilet paper rationing while other budding entrepreneurs grabbed what they could and threatened to sell squares at \$1 each.



As the sun came up on the refuge, 40 very sick students gathered their gear and boarded the old gray bus for the interminably long ride back to Arcata. Moans and groans were constant throughout the trip. Every so often, a stricken student would yell "stop the bus", the driver would pull to the side of Highway 299, and the student would disappear over the edge, only to re-board a few minutes later. The only laughter heard on the trip emanated from Doc Harris and Dr. Yocum who had somehow avoided getting sick and took a degree of pleasure in seeing their students in distress.

Some say the professors just got lucky by sitting at a salmonella-free table; others say they planted the bacteria to sort out the weak students from the strong and "cull the herd". Regardless, as the bus traveled steadily westward, up and over mountain passes, and around countless curves in the road, the students on the bus were eerily silent. Mile after mile, pit stop after pit stop, the bus inched slowly toward Arcata. As it descended the final steep grade toward Blue Lake, one student seated in the front broke the silence and yelled to a student in the rear these words of legend... "Hey [blank], can I borrow your chapstick?" Everyone on that bus, professors and students alike, knew instantly that the request had nothing to do with the condition of the student's lips and everything to do with a turkey dinner that bonded those students for life and will never be forgotten.







**The Sacramento-Shasta Chapter of The Wildlife Society**  
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*Student Outreach Liaison – Micheal Finnell ([michaelfinnell@gmail.com](mailto:michaelfinnell@gmail.com))*  
*Scholarship Chair – vacant*  
*Northern Area Representative – vacant*  
*Technology Chair - vacant*  
*Representatives for UC Davis Student Chapter – Betty Lee ([BeLee@ucdavis.edu](mailto:BeLee@ucdavis.edu)) and Bailey Higa ([brhiga@ucdavis.edu](mailto:brhiga@ucdavis.edu))*

**Remember**

By National membership vote and a change in bylaws, Associate Wildlife Biologists and Certified Wildlife Biologists must minimally be members in good standing of The Wildlife Society to retain their Certifications. An updated certification directory is available by contacting [certification@wildlife.org](mailto:certification@wildlife.org).

*The Sacramento-Shasta Chapter welcomes comments and input from our members. If you have suggestions for articles, questions you want answered, things you'd like to see us do, or events to announce, please let us know! Contact any one of the Board members.*