

# CALL FOR PAPERS



## In-Person Annual Meeting is Back for 2022

We are excited to meet face-to-face together again at the 2022 Annual Meeting. Please join us in Reno to **network** with Western Wildlifers, **learn** from each other about emerging wildlife science, **grow your career** with our workshops and advice channels, and **re-engage together** post pandemic in the most fun way ever!

**New for 2022** We hope you'll plan ahead to stay until the end of the meeting! *This year we're offering a very exciting and inspirational Capstone Event so we can gather together to close out the meeting all together in the same room.* The Capstone Event will run on **Friday, February 11th from 11:00am to 12:30pm.**

**Regarding Covid 19** We will follow all safety protocols as required by the State of California, the State of Nevada and the CDC. As of now, the guidance currently requires that anyone not fully vaccinated must wear a mask at all times while indoors. The guidance may change and we will communicate any changes as they happen.

---

## 2022 Plenary Theme:

### ***Symbiosis: Rethinking relationships for ecological conservation***

Symbiosis. The relationship between two or more different organisms. Ideally, both individuals benefit from the relationship, but that is not always the case. You may remember this scientific concept from your introductory biology classes, but in reality our lives are made up of an immeasurable number of symbiotic relationships that are constantly changing. There are the obvious ones, your relationships with your friends, family and coworkers. And there are those that you may not think about as often, like your relationship with your neighbors, your legislators, stakeholders in your study system, other wildlife biologists across the globe, or just on the other side of the state. Then there are our non-human relationships, those with our pets, with the animals in our study system, with viruses, with our homes and offices, our cars, our energy systems, our smartphones, and all kinds of other objects and technology. All actions we take have impacts on the world around us and show just how helpful our relationships can be. For this year's Annual Meeting I would like us all to spend some time considering our own Symbioses, and how we can Rethink Relationships to Optimize Ecological Conservation.

# **Tentative Schedule in Development -- More to be added, check back soon!**

All events listed in this schedule are included in the meeting registration fee except those marked \*Extra Fee

Schedule may be subject to slight change

## **Monday, February 7**

8:00am to 5:30pm Wilderness First Aid, Day 1 of 2, \*Extra Fee  
8:00am to 5:00pm Western Section Executive Board Meeting (Open to all Members)  
1:00pm to 5:00pm Wildlife Crossings, Connectivity & Migration Symposium, Day 1 of 2, \*Extra Fee  
1:00pm to 5:00pm Managing Water for Wildlife Symposium, Day 1 of 2, \*Extra Fee  
2:00pm to 5:00pm Registration Packet Production

## **Tuesday, February 8**

8:00am to 12:00pm Wildlife Crossings, Connectivity & Migration Symposium, Day 2 of 2, \*Extra Fee  
8:00am to 12:00pm Managing Water for Wildlife Symposium, Day 2 of 2, \*Extra Fee  
8:00am to 4:30pm Wilderness First Aid, Day 2 of 2, \*Extra Fee  
8:00am to 4:30pm R Workshop, \*Extra Fee  
9:00am to 8:00pm Registration & Help Desk  
9:00am to 12:00pm Exhibit Hall Setup  
12:00pm to 10:00pm Exhibit Hall Open  
12:30pm to 4:30pm Wildlife Biologist Construction Awareness Training-WildC.A.T., \*Extra Fee  
1:00pm to 4:00pm Permitting/Regulations Workshop, \*Extra Fee  
4:00pm to 6:00pm Student Quiz Bowl, Preliminary Rounds  
4:00pm to 10:00pm No-Host Drink Station - Mingle and Munch  
4:00pm to 5:30pm Chapter Officers Meeting  
4:00pm to 5:00pm Retirees Meeting  
**6:00pm Official Meeting Opening**  
6:00pm to 8:00pm Welcome Reception with Taco Bar, Wildlife Photo Slideshow & Student-Professional Mixer  
8:00pm to 9:00pm Student Quiz Bowl Finals  
9:00pm to 10:00pm Wildlife Trivia

## **Wednesday, February 9**

7:00am to 8:00pm Registration & Help Desk  
7:30am to 9:30am World Cafe Breakfast Roundtable Discussion, \*Extra Fee  
7:30am to 9:00pm Exhibit Hall Open  
8:30am to 5:00pm Speaker Practice Room  
**10:00am to 11:30am Keynote Address & Dialogue -- Heather Reich, NDOW Bear Biologist**  
11:30am to 1:00pm Lunch break (on your own)  
**1:00pm to 5:00pm Scientific Concurrent Sessions**  
3:00pm to 3:15pm Afternoon Break  
1:00pm to 3:00pm Poster Setup Hours  
3:00pm to 9:00pm Poster Viewing and Judging  
4:00pm to 9:00pm No-Host Drink Station - Mingle and Munch  
5:00pm to 6:00pm Humboldt Wildlife Alumni Meeting/Mixer  
6:00pm to 8:00pm Poster Reception & Wildlife T-shirt Contest **New day**  
8:00pm to 10:00pm Chapter Meetings **New day**

## **Thursday, February 10**

7:00am to 8:00am Continental Breakfast -- Wildlife Conservation Conversations  
7:00am to 7:00pm Registration & Help Desk  
7:00am to 7:00pm Exhibit Hall Open  
7:00am to 7:00pm Poster Viewing and Judging  
**8:00am to 12:30pm Scientific Concurrent Sessions**

8:00am to 5:00pm	Speaker Practice Room
10:00am to 10:30am	Morning Break
12:30pm to 2:00pm	Lunch break (Box Lunches Provided)
12:30pm to 2:00pm	Lunch Room Options -- Roundtable Wildlife Discussion; Wildlife Movie; Social Room and More!
<b>2:00pm to 3:45pm</b>	<b>Plenary Session -- Tiana Williams-Claussen, Yurok Tribe Wildlife Biologist</b>
3:45pm to 4:00pm	Afternoon Break
4:00pm to 5:00pm	Annual Business Meeting and Members Town Hall
6:00pm to 7:00pm	Pre-Banquet Reception
7:00pm to 10:00pm	Annual Members Banquet, Awards Ceremony, and Bucket Raffle <sup>New day</sup> *Extra Fee

## Friday, February 11

7:00am to 8:00am	Continental Breakfast -- Wildlife Conservation Conversations
7:00am to 1:00pm	Exhibit Hall Open
7:00am to 1:00pm	Registration & Help Desk
<b>8:00am to 10:45am</b>	<b>Scientific Concurrent Sessions</b>
10:45am to 11:00am	Morning Break
<b>11:00am to 12:30pm</b>	<b>Capstone Presentation<sup>NEW</sup> -- Schell Lab at UC Berkeley</b> <i>PI Dr. Chris Schell, post-doctoral researcher Dr. Christine Wilkinson, and PhD student Tyus Williams. These wildlife biologists not only do incredibly exciting research on urban carnivores, but are also experts in science communication and community outreach.</i>
1:00pm to 2:00pm	Meeting Planning Committee Wrap-Up Lunch

## Call for Papers and Posters:

We are soliciting abstracts for posters and 17-minute oral presentations for the concurrent technical and poster sessions. Abstract content should be related to technical session topics listed below, but additional topics may be entertained if sufficient presentations are submitted. The conference program committee and session chairs will evaluate submitted abstracts to determine final concurrent session topics. There will be 4-5 live concurrent session tracks based on the number of papers received. If we receive more papers than we have space for in our schedule, we may contact some authors to see if they'd like to present virtually.

**Oral Presentations** - All papers associated with the oral concurrent sessions will be presented in person from **Wednesday afternoon through Friday morning, February 9 to February 11, 2022**. Oral presenters should plan on both giving their talk live at the meeting as well as uploading a pre-recorded version of their talk to the meeting app. This is for the sake of inclusivity and will also be helpful for when several great talks are happening at the same time as you won't miss any important science!

**Poster Presentations** - An in-person poster session and reception will be held **Wednesday evening, February 9, 2022**. Poster presenters must be available at their poster during the poster session to discuss their work with interested viewers. Poster presenters must also upload a pdf image of their poster to the meeting app for online viewing. Posters must be set up on Wednesday (2/9/22) between 1-3pm. They will be available for viewing Wednesday afternoon through Thursday evening. Posters should be no more than 44" tall by 44" wide. Display boards will be provided. Posters should be removed on Friday (2/11/22) by 10am.

## Concurrent Technical Session Topics in Development:

- Conference Theme Session - Mutualism (literal or figurative)
- Conference Theme Session - Commensalism (literal or figurative)
- Conference Theme Session - Parasitism (literal or figurative)
- Conservation Planning and Environmental Offsets
- Ecology and Conservation of Amphibians and Reptiles
- Ecology and Conservation of Birds
- Ecology and Conservation of Mammals
- Ecology and Conservation of Invertebrates
- Endangered Species: Planning for Recovery
- Justice, Equality, Diversity, and Inclusion
- Human Dimensions in Wildlife Conservation and Management
- Science Communication
- Impacts to Lands and Wildlife from Recreation
- Inputs and Methods for Conservation Planning & Ways to Measure Success
- Multi-Benefit Projects
- Pacific Islands
- Public Policy and Wildlife Management
- Waterfowl
- Wildlife and Climate Change
- Wildlife and Forest Management and Policy
- Wildlife Conservation and Habitat Management in Nevada
- Wildlife Diseases and Pathology
- Wildlife, Pollution, and Ecotoxicology
- Wildlife and Renewable Energy
- Wildlife Professionals: Agency Coordination & Collaboration
- Wildlife Professionals: Consultant Case Studies
- Wildlife Responses to Fire and Post-Fire Restoration
- Wildlife Techniques and Technologies
- Other

Note: Session titles may be added or changed at a later date based on papers received. If a group has the desire and sufficient participants to create a unique session please contact the program chair (Dr. Katie Smith, [presidentelect@tws-west.org](mailto:presidentelect@tws-west.org)).

Check <https://tws-west.org> for an updated list of technical sessions and schedule.

---

## Abstract Submission Process:

The **deadline** for submission of both Oral Presentation and Poster abstracts is 11:59pm PDT on **Friday, October 29, 2021**.

**Please submit abstracts electronically by filling out the interactive form on the Section website at:**

[https://user.tws-west.org/abstracts/ac2022\\_abstract\\_submit.php](https://user.tws-west.org/abstracts/ac2022_abstract_submit.php)

Abstracts should not exceed 200 words and must adhere to format and layout elements provided in the example below. Indicate whether the paper will be an oral presentation or a poster, and if an oral presentation, indicate your preferred session.

Oral and Poster Presenters are expected to pay the conference registration fee and cover their own travel and lodging expenses. See the Western Section website for registration and other conference information (coming soon in September, 2021).

**We will review the submitted abstracts and will notify the submitters of their status by December 6, 2021.** Thank you, in advance, for your time and effort in the submission process.

### ABSTRACT EXAMPLE:

Preferred Session: Ecology and Management of Shorebirds

Type of paper: Oral presentation

*If a student, indicate if you intend to participate in the Student Judging.*

Paper Title: **Status and Habitat Use of Long-Billed Curlews in the Central Valley in Fall**

**W. David Shuford**, PRBO Conservation Science, 3820 Cypress Drive #11, Petaluma, CA 94954, dshuford@prbo.org, (415) 868-0371x310; Co-authors: Gary W. Page; Gary M. Langham; and Catherine Hickey

**Abstract:** The long-billed curlew (*Numenius americanus*) – a large shorebird of conservation concern at the continental level – is a migrant and winter resident in California’s Central Valley, where it concentrates primarily in agricultural lands. Despite recent estimates of the size of the curlew’s North American breeding population, little is known about its abundance and habitat needs at migratory stopovers and wintering areas. To help fill these gaps, we coordinated three broad-scale surveys of curlews in the central and southern portions of the Central Valley in fall and winter in 2007-2008 and a more comprehensive survey of the entire Central Valley in August 2009. In the latter survey, we recorded 20,775 curlews in 197 flocks. In all years in autumn, the vast majority of curlews were found in irrigated croplands, primarily alfalfa and irrigated pastures, during this otherwise arid season. More frequent surveys at the local level in Solano County and more recent radio-telemetry studies indicate that some curlews shift their distribution from fall to winter. More work on fine-scale habitat preferences and movements in the Central Valley is needed to aid in the conservation of this at-risk shorebird.

## Competition for Student Awards at the TWS Western Section Annual Meeting:

The Western Section of The Wildlife Society is pleased to offer six cash awards for students who speak in an oral session or present a poster at our annual meeting. “Student” is defined as any individual, any age, who is currently enrolled or has received a degree within six months of the meeting date from any high school, accredited college, or university (not limited to those within the Western Section). From high school to post-doc, we welcome your participation!

The value of the cash awards varies slightly, based upon the number of students in the competition. In general, the more students who compete, the more cash we award! Please be sure to indicate when you submit your abstract whether you intend to compete in the student judging competition. It is your responsibility to express your intent to participate. By participating in the competition, you will receive positive remarks and constructive criticism from the judges (typically at least three), telling you what they liked and how you can improve your next presentation.

## OTHER INFORMATION:

**CAPSTONE PRESENTATION:** Year after year TWS-WS members list networking as one of the most valuable perks of membership. Well we have heard you loud and clear, and in 2022 we will host our first ever Capstone Presentation. This exciting event will bring us all back together for one final networking opportunity at the closing of the Annual Meeting. We have an incredible trio of speakers from the Schell Lab at UC Berkeley: PI **Dr. Chris Schell**, post-doctoral researcher **Dr. Christine Wilkinson**, and PhD student **Tyus Williams**. These wildlife biologists not only do incredibly exciting research on urban carnivores, but are also experts in science communication and community outreach. During this capstone event, these presenters will illustrate how science communication is a part of their wildlife research, not separate from it. Through a series of presentations and interactive activities they will give those in attendance a framework for processing thoughts about science communication, tactics for engaging with stakeholders, and practice

communicating and networking with new people. The Capstone Talk will run on **Friday, February 11th from 11:30am to 1:00pm**. We hope you'll plan ahead to stay until the end of the meeting!

**CALL FOR SESSION CHAIRS:** We are seeking individuals who are interested in volunteering to serve as the chairperson for the technical sessions. The session chair will help select abstracts to accept, coordinate with presenters, and help find additional papers as needed to fill gaps in the sessions.. They will moderate the technical session at the conference and lead a Q&A session if desired. Session Chairs will be assigned to sessions in November after the Call for Papers has closed. If you are interested, please contact President-Elect and Meeting Chairperson: Dr. Katie Smith, [presidenelect@tws-west.org](mailto:presidenelect@tws-west.org)

**PRE-CONFERENCE SYMPOSIA AND WORKSHOPS:** We have several pre-conference symposia and workshops in development. Topics include: (1) Wildlife Crossings, Connectivity & Migration (2) Managing Water for Wildlife (3) Permitting/Regulations (4) Wilderness First Aid, (5) R Workshop, and (6) Construction Monitoring Training and more. If you have suggestions for topics you'd like to see in the future, please email [pdcc@tws-west.org](mailto:pdcc@tws-west.org).

**SPONSORSHIPS:** We welcome organizations, agencies, consulting firms, chapters, nonprofits and individuals to sponsor our meeting! Sponsors qualify for exhibit space, public demos, discounted or free event registrations, acknowledgment in the program and more. We also encourage groups to host sponsored events within the meeting (or pre-meeting) events. Opportunities start at \$1,000.

**PHOTO SHOW:** We will display our annual Wildlife Slideshow at the Tuesday Welcome Reception. The content is up to you! Please send your photos of wildlife, coworkers, TWS workshops, study animals, unexpected situations, beautiful locations, etc. to us to help celebrate wildlife and the wildlife profession! Please send photos in .jpg format to [evelarrucea@gmail.com](mailto:evelarrucea@gmail.com). Each person submitting photos for the slideshow will be entered in a raffle for a \$200 REI Gift Card.

**VOLUNTEERS:** Our meeting is organized by an incredible team of volunteers, and we'd love to have you join our team. Make new friends and help TWS-WS at the same time! We are looking for committee members for our Annual Meeting Planning Committee, plus we are also looking for Session Chairs for our Concurrent Sessions.

Also, a limited number of student volunteers may work up to 8 hours for a full or partial reimbursement of their student registration fees. More information on student volunteer sign-ups coming soon! We will work with student volunteers to set up a volunteer schedule that allows them to participate in the top events they are interested in attending during the meeting so that volunteers have an incredible conference experience. Please contact [projectmanager@tws-west.org](mailto:projectmanager@tws-west.org) for more information about volunteering.

**VIRTUAL AUCTION & RAFFLE:** All 2022 raffle ticket sales and online virtual auction purchases will be donated to support Western Section students and early career professionals. Raffle tickets will be sold starting Tuesday night at the Welcome Reception, and a last call for raffle tickets will be announced after dinner at the Member's Banquet on Thursday evening. The raffle will be a Bucket raffle which will be held briefly at the end of the banquet. Place tickets in the buckets for the prizes you hope to win. This banquet raffle is a lot of fun, and there will be some amazing prizes, including some new super surprises! Raffle items will be displayed in the Exhibit Hall throughout the entire meeting. Please contact Raffle and Silent Auction Chair Susanne Marczak if you have any questions or would like to donate an item to the raffle and/or auction. [communications@tws-west.org](mailto:communications@tws-west.org)

**AWARD NOMINATIONS:** The Western Section recognizes outstanding individuals and organizations that have exceeded normal contributions toward the Western Section's goals. If you know of a nominee deserving of any of the below awards please contact Award and Grants Committee Chair [richard.burg@wildlife.ca.gov](mailto:richard.burg@wildlife.ca.gov) by 11/1/21.

**1) Diversity Award** This award is new for 2022. More information is coming soon.

**2) Conservationist of the Year Award** The "Conservationist of the Year Award" is presented by the Western Section to a person or group, engaged in wildlife conservation either as a profession or as an avocation, who has made an outstanding contribution to wildlife conservation in California, Nevada, Hawaii or Guam.

**3) Barrett A. Garrison Outstanding Mentor Award** The "Barrett A. Garrison Outstanding Mentor Award" is bestowed to a professional within California, Nevada, Hawaii, and Guam who has contributed to our profession by assisting the continued development of students and/or young professionals.

**4) Raymond F. Dasmann Award for the Professional of the Year** The "Dasmann Award" is presented by the Western Section to Professionals who have made an outstanding contribution to wildlife resources management and understanding in California, Nevada, Hawaii or Guam.

**STUDENTS/EARLY CAREER PROFESSIONALS:** Our meeting offers students and early career professionals numerous career development and mentoring opportunities beginning with the Tuesday night Welcome Reception where we'll play a student-professional mixer game to encourage new conversations and networking. We will offer a large assortment of both live and pre-recorded Career workshops and information panel discussions as part of the conference so students can learn all about getting started in a wildlife career.. Students and early career professionals are encouraged to apply for [travel scholarships](#) and grants (more information coming soon). These workshops and events are all included in the meeting registration fee.

**GRANTS:** The Western Section encourages member participation by financially assisting professional meetings, conferences, symposia, and other continuing education activities for members, students and early career professionals. For more information: <http://tws-west.org/grants.php>.

**PROFESSIONAL DEVELOPMENT:** Members will be eligible to earn credit hours for Professional Development Certificates and for TWS Certification renewal (note: meetings such as this do not normally qualify for an initial TWS certification application, but pre-conference symposia and workshops can!). Additional information will be provided in the final conference program.

**WORKING GROUPS:** The Western Section is pleased to help facilitate the meeting of working groups during the Annual Meeting, as has been done in the past. To ensure space is available and to help minimize scheduling conflicts, if you are interested in holding a working group meeting, please contact Candace Renger by December 1, 2021 at [projectmanager@tws-west.org](mailto:projectmanager@tws-west.org).

**MEETING REGISTRATION:** On-line registration for the Western Section Annual Meeting is expected to open by October 1, 2021. <http://tws-west.org/>

**VENUE INFORMATION AND HOTEL ACCOMMODATIONS:** The 2022 Annual Meeting will be held in Reno, NV at the Peppermill Resort. The meeting will be held in the spacious and **smoke-free** Tuscany Ballroom.

*Welcome to Reno Tahoe, where the country's largest alpine lake meets the Biggest Little City in the World. Reno is home to top attractions like the Nevada Museum of Art, The National Automobile Museum, the largest outdoor climbing wall, and a ½-mile, snowmelt-driven kayak park right in the heart of downtown. Your thirst will be quenched and your taste buds satisfied with the region's budding brewpub and culinary scene.*

Local TWS-WS members will lead field trips, daily walks and hikes throughout the meeting which will highlight the flora and fauna of the area! Local wildlife highlights include the nearby Virginia Lake, Sparks Marina, Oxbow Park, Swan Lake, Chickadee Ridge and the nearby Carson Valley.

We have pre-purchased a **limited block** of non-smoking hotel rooms at a low nightly rate of \$83/\$103 for TWS-WS members at the Peppermill Resort. Our room block rate is available until January 15, 2022 or until the rooms in our block are sold out, whichever comes first. Free shuttle service is provided daily to/from the Reno-Tahoe International airport. The resort fee is waived for our attendees and rooms include complimentary wireless internet, Keurig coffee makers, and in-room refrigerators. The health club, pool and business center are also included as well as free parking and EV charging stations.

**TRANSPORTATION:** Road trip! Interstate 80 and Highway 395 pass through Reno. If you're more into wings than wheels, fly into the Reno-Tahoe International Airport and catch a free Peppermill Resort shuttle. We will set up online bulletin boards for ride shares and we're also looking into chartering a bus and/or Amtrak train so TWS-WS members can travel together to Reno! More information is coming soon.

Questions about the 2022 Annual Meeting?

- **Dr. Katie Smith**, Conference Chair and TWS-WS President-Elect - [presidentelect@tws-west.org](mailto:presidentelect@tws-west.org)
- **Janine Payne Schneir**, Professional Development Committee Chair - [pdc@tws-west.org](mailto:pdc@tws-west.org)
- **Candace Renger**, Meeting Planner - [projectmanager@tws-west.org](mailto:projectmanager@tws-west.org) (510) 684-8590
- **The Western Section of The Wildlife Society** - [www.tws-west.org](http://www.tws-west.org) PO Box 6756. Albany, CA 94706