



WILDLIFE TRACKS

*The Quarterly Newsletter of the
Colorado Chapter of The Wildlife Society*

Spring, 2021



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Nathan Galloway

Past President:

Jesse McCarty

President Elect:

Nate Bickford

Treasurer:

Matt Rustand

Secretary:

Mark Fletcher

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President's Column

I wanted to welcome chapter members to the new virtual annual meeting. We had workshops last month, but our presentations really begin in earnest this week. Upcoming events include a movie screening, and several presentation sessions. Please see the full agenda which is shared on the website.

A huge thank you to the workshop organizers and presenters. These people really step up, volunteer their time, and provide these opportunities to our members. There is one more workshop coming up focused on bat bioacoustics. This one is free to all members. Check it out.

Note about survey follow-up - You may have seen an email from the professional development chairperson, Liz Peterson. If you have an idea about a workshop or different event that you would like to lead, don't hesitate to reach out to me or Liz.

Thanks to exiting board member, John Hughes and past president, Jesse McCarty. John has served on the board for a number of years and was always willing to pitch in to help out. Jesse stuck it out and continued to serve after he moved to Wyoming! Both these guys are solid gentlemen, and I want to send them a big "Thank You" for all of their support for the chapter over the years. The board and other volunteers make the chapter a success. Reach out to me or another board member to learn how you can be more involved.

I'm not sure what to think about this new pandemic format for the annual meeting. I miss chatting with folks, meeting new folks, and the more free-flowing conversations that come with in-person meetings, but we're doing our best with what we're given. We have some great speakers this year and I look forward to a successful meeting. Thank you for your continued support of the chapter during these strange times.

I've said it before but it seems that I keep coming back to it - Take care of yourselves. Be kind to each other. Get outside. (Spring is coming!)

Best,
Nathan



Colorado Chapter of The Wildlife Society Annual Meeting

Deer 139 film screening and Q&A with filmmakers Emilene Ostlind and Anya Tyson

Date: March 10

Time: 7:00 - 9:00pm MST

Registration Link:

https://csupueblo.zoom.us/meeting/register/tJYpdeGtrDIHNVN5a662n8T_dqWQqa0aGkA

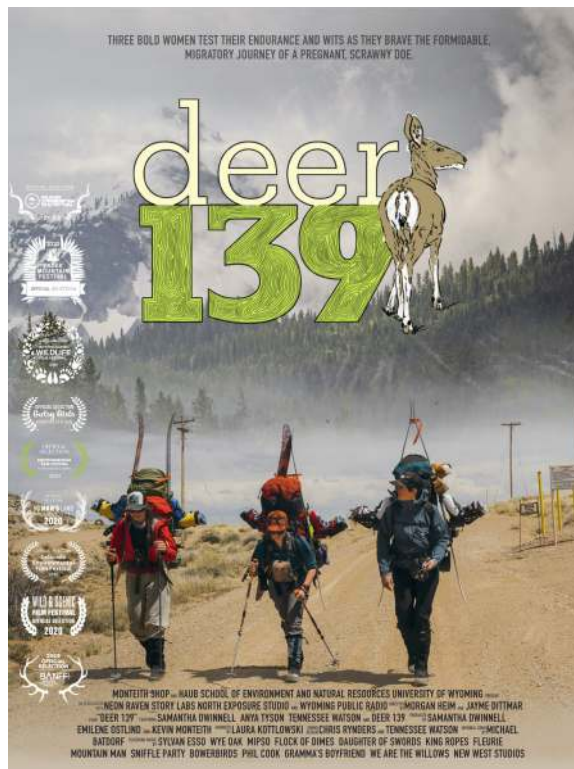
***This event is free and open to everyone**

www.deer139film.org

Join CCTWS and filmmakers Emilene Ostlind and Anya Tyson for a screening of adventure documentary Deer 139 followed by a Q&A session. The film tells the story of deer 139's migration and a researcher's attempt to travel that same path.

About the film: University of Wyoming research scientist and adventurer-at-heart Samantha (Sam) Dwinnell knows the Wyoming Range mule deer herd as well as anyone. She has spent the last five years on the ground capturing and collaring mule deer to track where individuals go, how they connect with the landscape, and how that relationship affects their survival and reproduction. Sam's work shows wintering mule deer are utterly dependent on their ability to access distant, productive, high-elevation summer ranges via migration. Her findings have significant implications for conservation. This film moves these concepts and discoveries from the academic literature into the public consciousness.

Sam—along with an all-women team of fellow adventurers and naturalists—walked deer 139's migration trail for 85 miles from her winter range in the sagebrush steppe outside LaBarge, Wyoming, up into and over the Wyoming Range, across the Greys River, to an alpine cirque in the Salt River Range, to see first-hand this long, complex, and, until now, largely invisible journey. The team carried skis, pack rafts, food, and camera equipment, to film the expedition and bring viewers along for the adventure.



Colorado Chapter of The Wildlife Society Annual Meeting

Introduction to Bioacoustics Analysis in Raven and R with Dr. Mickey Pardo, CSU.

Introduction to Bioacoustic Analysis in Raven and R

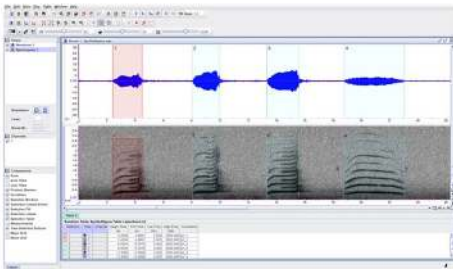
Virtual workshop hosted by Colorado Chapter of The Wildlife Society

Instructor: Mickey Pardo, Ph.D., Colorado State University

Thursday, 4/15/21, 9:00 AM – 12:00 PM

Register here by April 5th: https://docs.google.com/forms/d/e/1FAIpQLSc3hzfFb-DhyMxQIK9tDGM7WntHAyv-iT0msiOU1kxibDA7gg/viewform?usp=sf_link

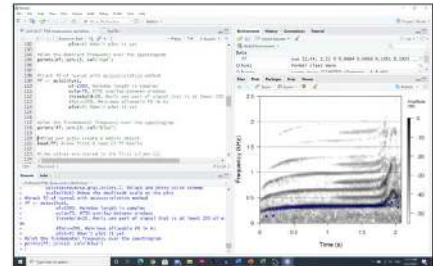
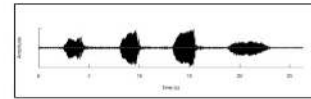
Prior to the workshop, please download and install latest versions of R, RStudio, and Raven Lite (all free).
Instructions for download will be provided to registered participants.



No prior knowledge of bioacoustics or coding is necessary!

Learn how to:

- Visualize sound in time and frequency domains
- Segment recordings in Raven sound analysis program
- Measure dominant and fundamental frequencies in R
- Measure acoustic indices of biodiversity
- Batch-process sound files in R ...and more!



Warren D. Snyder Obituary

Warren D. Snyder passed away on 28 November 2020 in Loveland, Colorado after a brief illness. Warren was born in Alma, Nebraska in 1936, and completed his B.S. and M.S. (1965) at Colorado State University with a brief stint in the army in between degrees. His M.S. thesis evaluated the impacts of habitat manipulation on Scaled Quail populations in southeastern Colorado. He was hired by the then Colorado Game and Fish Department in 1967 and assigned to Eastern Colorado where he conducted applied research on Ring-necked Pheasants, Bobwhite Quail, Greater Prairie-Chickens, riparian habitats, and farming practices. His research on pheasant survival and nesting success in dryland wheat systems demonstrated that stubble resulting from semi-dwarf varieties of wheat was an ecological trap for hens, and that traditional windbreaks substantially elevated pheasant mortality following winter storms. His research, and his outstanding relationships with farmers and hunters culminated in the Colorado Division of Wildlife creating the Pheasant Habitat Improvement Program (PHIP) in 1992, a collaborative effort with Pheasants Forever that has changed the landscape in northeastern Colorado and is still successful today. Warren was diligent in publishing both science-based papers and special reports that could be used by land managers. Warren's many awards included the Colorado Wildlife Federation Wildlife Professional of the year in 1987, his selection as the 1994 Outstanding Terrestrial Employee by his peers, and the Douglas L. Gilbert award for Outstanding Achievements in Wildlife Sciences from the Colorado Chapter in 1996.

A consummate professional, Warren joined The Wildlife Society in the early 1960s, and was a Charter Member of the Colorado Chapter. He served as the President of the Central Mountains and Plains Section. Warren retired in 1997 and devoted much of his time to carving exquisite birds and other wildlife and showing them throughout the southeastern U.S. for which he won several ribbons. CEB and TER treasure the exquisite carvings given to them by Warren. His e-mail address started with birdcarver. Warren is survived by many friends, his first wife Judy and their 3 children.

Clait E. Braun and Thomas E. Remington

Student Chapter Updates

Western Colorado University

Gunnison, Colorado

Since the beginning of the semester, our student chapter of TWS has had some amazing activities and opportunities. We held all meetings and activities in compliance with Gunnison County Public Health and Western Colorado University COVID-19 protocols. We kicked off the semester with a wildlife jeopardy game night that was lively and informational. We had engaging speakers give presentations on wildlife in Indonesia, Colorado owls, and deer ecology research. By partnering with the WCU Wilderness Pursuits program, we hosted a Quinzhee snow shelter building workshop in which we traveled to Mill Creek, outside of Gunnison, and worked hard in waist-deep snow to create two large survival shelters. We were also fortunate to assist an undergraduate research project by setting up game cameras to capture River Otter data. After spring break we plan to have another hands-on workshop to repair bluebird boxes around the Gunnison Valley. We will also have speakers give presentations on “Voices of the Wild,” wildlife photography, and various local research projects. We intend to participate in the annual Gunnison Sage-grouse watchable wildlife program by monitoring the lek every morning during April. We are very appreciative of the support from CCTWS and all TWS members. We thank each of our speakers with a gift card to a local coffee shop and appreciate the support of CCTWS to help with this expense. We also purchased a popcorn machine which will feature prominently in our future events! We are very appreciative of the support from CCTWS and all TWS members.



Top left: Mr. Greg Davidson giving us a demonstration of how he trains his dogs to assist in wildlife research; Top right: Wildlife biologist, Arden Anderson, showing us the unique animal species from Indonesia; Bottom left: TWS members setting up game cameras for River Otters; Bottom right: TWS members at our Quinzhee building workshop.

Student Chapter Updates

Colorado State University



This year we decided to not only rely on our long-term projects to help our membership gain experience and meaningful connections, but we came up with many new innovative ways to do this as well! One of our long-term projects has been raptor monitoring at Boyd Lake for Colorado Parks and Wildlife. This has always been a favorite among our members, but this year we decided to not only teach them how to ID raptors, but how to truly collect data. We did this by printing the data sheet typically only used by our Raptor Monitoring Lead and allowing everyone to collect data.



During the raptor monitoring outings, it is common for people to take photos. This inspired the creation of our monthly newsletter. We saw this as an opportunity to allow our members to share their photography, gain article writing experience, share college and life advice as well as learning tips with their peers, and to share knowledge through the recommendations of books and podcasts. We saw this as an opportunity give our members a place of community at a time when in-person connection was few and far between.

Also, we found that it would give them tangible experience to show future employers.

This is why we decided, weather permitting, social distanced hikes would be a regular part of our chapter activities this semester. Our first one took place in February at Coyote Ridge and was a huge success! It was a great way to make friends and hear the diverse stories of those in our membership. Also, we decided a virtual movie night would be a fun way to get together as a group, reconnect with the people who were at the hike as well as new people, and a nice way to relieve stress before the school week. We showed Elk River, Sky Migrations, and March of the Newts (which are free on Vimeo for those who are interested). Lastly, our membership committee has been working on a surprise film which will be shown either at the end of the semester or at the end of summer. More on this in the months to come!



This semester has so far been centered around connection, education, experience, and creativity. This year's rare circumstances have shown us new ways to truly serve the amazing people in our chapter. As previously mentioned, we often found ourselves pondering the issue of true human connection and interaction. How do you allow people to make true long lasting connections, when they are forced to interact through a screen?

Student Chapter Updates

CSU Pueblo

Grace Abbett is the new Historian in our club. She is a junior and a Wildlife Management major. This is her first semester at CSU Pueblo after getting her associate's degrees in Biology and Zookeeping Technology. She lives in Colorado Springs with her fiancé and two dogs. She is no stranger to natural resources conservation as she is a park ranger at Garden of the Gods during the summer. Long-term she wants to become a game warden or wildlife researcher. Her hobbies are hiking, camping, painting, horseback riding, and making music with her fiancé.



These are the wolves at The Wildlife Science Center in Stacy, Minnesota. Samantha Ulrich (vice president) conducted a job shadow at this facility and received valuable experience through a day working in a Wildlife Science Center. She has established a professional contact and plans to have them speak to our club. Sam joined the Wildlife Society club in 2019 and became an officer in 2020.

Angeline Canney (Treasurer), and some other members of the Wildlife Society club volunteered at Spirit Keeper Equine Sanctuary. She is the Vice President of this 501(c) 3, and did her internships during her A.S. here as well. They learned safe techniques around horses, how to deal with medications, how to measure blankets properly for horses, and did some good old mucking of the stalls. Angeline is an undergraduate graduating in May 2021, with a bachelor's in Wildlife and Natural Resource Management. She has had extensive research experience in avian communities under the supervision of Dr. Claire Ramos. She plans on continuing at CSU-Pueblo as a graduate student.



Austin Barnes (President) worked as a seasonal CPW Park Ranger at Lake Pueblo State Park last summer. His long-term goal is to pursue natural resource law enforcement in the state of North Carolina.

Dr. Nate Bickford, the faculty advisor, demonstrates at the Pueblo Army Chemical Depot, the proper technique in handling a rabbit after it has been trapped. Some of his graduate and undergraduate students are working on collaring these lagomorphs to study their movement in relation to their predators.



2021 Future plans

Looking forward into 2021, our club is planning a Lake Pueblo trash clean up day, wildlife specific games on zoom interface, and summer hikes at various locations near us. We are also planning on creating a social media engagement page, polls on 'this or that', and integrating member suggestions into our club and activities. Some of these suggestions so far have been: Pikes Peak mycology trips, learning foraging skills, and collaborations with the community. We will also be inquiring about bighorn sheep counts on Pikes Peak with CPW, dependent on Covid-19 volunteer restrictions.

New TWS Webpage

Dear TWS Section, Chapter, and Working Group leaders,

It's been wonderful to see so many of you finding new ways to engage virtually during these times - not just transitioning your annual meetings to an online format but also hosting virtual workshops and webinars. In an effort to help promote and share these events with other TWS members I've developed a new webpage on TWS' website: <https://wildlife.org/org-units-virtual-resources/>.

I'll be updating this page often with upcoming events from our organization units - please consider sharing this resource with your members so they may stay updated on various networking and professional development opportunities. In addition, please send me any information you'd like to share on events that your Section, Chapter, or Working Group is hosting and I'll be happy to add it to the webpage.

Feel free to contact me with any questions. Thank you and I hope you have a great weekend!

Kind regards,

Mariah Simmons Beyers
P: 301-897-9770 ext. 310
msimmons@wildlife.org

Foundations of Wildlife Chemical Capture

Dear Colleagues,

I am excited to announce that the online course, "[The Foundations of Wildlife Chemical Capture](#)" is now available.

This is the most current and extensive training in Wildlife Chemical Capture.

- 16 hours of certification
- Certificate of Training
- The Wildlife Society approved 16 CE hours for their Professional Development Program
- Amazing videos and stunning images
- 12 chapters. Please contact me for the detailed course outline.
- 150 page downloadable course notebook plus handouts
- Additional Learning Activities with links to even more training



ACCESS TO THE COURSE FOR A FULL YEAR

Over 60 wildlife professionals, including 14 other wildlife veterinarians have contributed content for this course.

This course is currently used by state and federal agencies to train and certify their field biologists.

Zoom sessions with Dr. Mark for groups 10+. More bonuses for groups 20+ in size. Cost is \$580 USD

This is an independent course you can take on your own time.

You have my support throughout the course.

With access for a year, it is a great "Go To" resource for your field captures and animal handling needs.

For detailed information visit the [Foundations Course Information Page](#).

Feel free to contact me if you have any questions,

Mark R. Johnson DVM

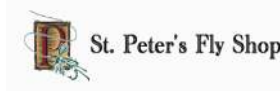
Cell: 406.570.3915

Email: mjohnson@wildliferesources.com

Website: www.wildlifecaptureandcare.com

Thank You To Our Sponsors

Thank you to the sponsors of The Colorado Chapter of the Wildlife Society!



Board Members

CCTWS Board – March 2021

Officers

President: Nathan Galloway

Past-President: Jesse McCarty

President-Elect: Nate Bickford

Treasurer: Matt Rustand

Secretary: Mark Fletcher

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NW Representative: Kathy Griffin

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SE Representative: Cassidy English

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SW Representative: Marcella Tarantino

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Executive Board: At-Large

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Casey Setash

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Emily Latta

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Committees and Chairs, March 2021

| Committee | Chair | Chair Contact |
|---|--|--|
| Standing Committees | | |
| Conservation and Land Use Review | Vacant | |
| Information and Education | Vacant | |
| Annual Meeting Program | CCTWS Board | |
| Candace Taylor and Jim Olterman Investment Fund | Patrick Magee! | pmagee@western.edu |
| Audit | Vacant | |
| Legislative Review | Katie Bradfish | katherineb99@msn.com |
| Wildlife Management | Matthew Hanson | mhanson6@gmail.com |
| Newsletter | Alex Fortney | alexandra.fortney@gmail.com |
| Nomination/elections | Nate Bickford | nate.bickford@csupueblo.edu |
| Policy/Resolutions | Nate Bickford | nate.bickford@csupueblo.edu |
| Professional Awards | Michelle Cowardin | Michelle.cowardin@state.co.us |
| Student Awards | Nick Kaczor | nick_kaczor@fws.gov |
| Membership | Courtney King | courtney.king@western.edu |
| Ad Hoc Committees | | |
| Certification | Rob Schorr | rschorr@lamar.colostate.edu |
| Conservation Affairs Network Rep. | Erin Blair | erin.blair16@gmail.com |
| Historian | Danguole Bockus | Danguole_bockus@nps.gov |
| Photographer | Max Canestorp | Kmax1350@mesanetworks.net |
| Small Grants and Travel Grants | Emily Latta | elatta@blm.gov |
| Web Page, Social Media (Marketing) | Aleshia Rummel | Aleshia.fremgen@westernalum.org |
| Professional Development Programs | Liz Peterson | Elizabethkpeterson@gmail.com |
| Student Affairs and Mentoring | Katie Gray | katiecgray789@gmail.com |
| Representatives | | |
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| CMPS Representative to TWS | Andrea Orabona | Andrea.orabona@wyo.gov |
| CCTWS Representative to CMPS | Nathan Galloway | nathanlgalloway@gmail.com |

Consider running for a committee or chair position to fill our vacant spots!

CCTWS Meeting Minutes

CTWS Meeting Minutes

To reduce the overall volume of the newsletter we will not be including minutes from our monthly board meetings. CCTWS members who would like to review board meeting minutes are encouraged to visit our website:

<http://wildlife.org/colorado/meetings/>

Membership Form

Become a TWS member: <https://wildlife.org>

Become a CCTWS member: <https://wildlife.org/colorado/>

1 Year Student Membership: \$10

1 Year Regular Membership: \$20

2 Year Regular Membership: \$35

3 Year Regular Membership: \$45

| COLORADO CHAPTER OF THE WILDLIFE SOCIETY - MEMBERSHIP APPLICATION | | |
|---|------------------------|-----------------|
| Name: _____ | | |
| Address _____ | | |
| City: _____ | State: _____ | Zip Code: _____ |
| Work Phone: _____ | Home Phone: _____ | |
| E-Mail: _____ | | |
| Today's Date: _____ | | |
| Affiliation: _____ | | |
| Interested in Committee Work? | Yes | No |
| Are You a TWS Certified Biologist? | Yes | No |
| Areas of Expertise/Interest: _____ | | |
| Dues: 1 Year: \$15 2 Years: \$27 3 Years: \$35 Student/Retirees: \$10 | | |
| MC/Visa: _____ | Expiration Date: _____ | |
| Signature: _____ | | |

Please visit the Colorado Chapter of the Wildlife Society web page at Wildlife.org/Colorado and the Wildlife Society web page at Wildlife.org. Become a member today!