



WILDLIFE TRACKS

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

September, 2018



Chapter Officers

President:

Pat Magee

Past President:

Tony Gurzick

President Elect:

Krysten Zummo-Strong

Treasurer:

Nate Seward

Secretary:

Chase Taylor

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President's Column



Greetings Colorado Chapter of the Wildlife Society Members,

Are you enjoying these late summer days, perhaps high on a mountain top or casting your line in a shadowy pool? Whatever is keeping you engaged please take time to explore our September newsletter.

First, I wanted to announce the **2019 CCTWS Annual Conference** which will be held at the Pueblo Convention Center in downtown Pueblo, Colorado from 30 January to 1 February 2019. The CCTWS board is planning a diverse offering including a camera trapping workshop, a symposium

focused on wildlife management in Colorado's grasslands, and a plenary session on effective methods to change human behavior to benefit wildlife conservation. We are working with Doug McKenzie-Mohr, a 25-year veteran in the field of human behavioral change and innovator of the community-based social marketing approach to "Fostering Sustainable Behaviors". The intent is to deepen our understanding of how to effectively work toward change in stakeholders and public behaviors. In addition to the plenary session focused on human behavioral change and science communication, we have also recruited Doug to conduct a full-day pre-conference workshop on 29 January. This will be an excellent opportunity to develop a skillset that will improve the ability to make change happen. We are also planning an exciting celebration of our public lands and will join forces with numerous public lands' advocates to honor federal and state employees and showcase our newly completed public lands position statement. We may also have a special guest appearing from the past. As we did last year, we will host an IGNITE session again in 2019 and new to the conference will be a photo contest. In addition to the IGNITE session, we have plenty of opportunity for you to present a paper or poster and share your new findings with our members. This is also the wonderful time of the year when we honor our members for their professional excellence. Please consider nominating a colleague to recognize their achievements.

As you may know, we launched the **Jim Olterman Scholarship Initiative** in July to honor Jim and his contributions to Colorado's wildlife and wildlife professionals during his 30 plus year career with the Colorado Division of Wildlife. After Jim's death, the CCTWS established the Jim Olterman Professional Achievement in Wildlife Management Award and an undergraduate scholarship. Our fund-raising campaign will further Jim's impact on the wildlife profession by generating funds that will immediately be invested to support a more durable and generous endowed scholarship. In addition, this fund raising effort and investment strategy will benefit CCTWS members long into the future as the fund grows and becomes more empowering to the Society. Our fund raising goal for the Jim Olterman Scholarship is \$24,000 which will be matched by the Candace J. Taylor Colorado Wildlife Fund for a total first phase investment of \$65,000. Continued next page.



President's Column, Cont...

As of September 1, two months into the campaign, we have raised \$5,475 which is about 23% toward our goal. This is a great start! With a strong core of 300 members, at the current rate of giving we need 75 of you to answer the call. Currently, 5% of our membership has made a contribution. It is never easy to ask people to donate their hard-earned money and I am sensitive to the challenges that many face in meeting monthly expenses. If you do have the means, **please consider making a contribution to honor Jim's legacy, support wildlife education, and plant a seed that will grow, blossom and provide resources for Colorado's wildlife community many decades down the road.** You can find numerous ways to give later in this newsletter. Another way you can help is to mention our campaign to your colleagues, friends or others who may want to be part of this effort. As we move into fall, the earth reminds me of the impermanence of life and I gain a heightened sense of living well. The gift I am giving this week will benefit others a long time from now and that feels good.

Be well and let me know how your Society can help you!

Patrick Magee! (970-641-3959)

President, Colorado Chapter of the Wildlife Society

To the Light of September *W.S. Merwin*

When you are already here
you appear to be only
a name that tells of you
whether you are present or not
and for now it seems as though
you are still summer
still the high familiar
endless summer
yet with a glint
of bronze in the chill mornings
and the late yellow petals
of the mullein fluttering
on the stalks that lean
over their broken
shadows across the cracked ground
but they all know
that you have come
the seed heads of the sage
the whispering birds
with nowhere to hide you
to keep you for later
you
who fly with them
you who are neither
before nor after
you who arrive
with blue plums
that have fallen through the night
perfect in the dew



Treasure's Report

CCTWS Financial Report

Current balances in our CCTWS accounts are:

Checking: \$27,481.58

Savings: \$20,006.98

Candace Taylor Money Market: \$43,314.71

Total = \$90,803.27

Board Meeting, 13 June

Colorado Chapter of the Wildlife Society June Board Meeting 13 June 2018 9:00-11:00 am

Conference Call (1-866-951-1151; conference room 479-292-893)

Attending: Pat Magee, John Hughes, Chase Taylor, Rose Tocke (visitor), Tony Gurzick, Nate Seward

1. Guest: Rose Tocke, Edward Jones Investments 9 am

Discussion about Candace J. Taylor Colorado Wildlife Fund and Jim Olterman Scholarship

- The CCTWS Board discussed options for investing the Candace J. Taylor funds. Potential to use a financial planner was favored.
- We will need to develop a document that serves as investment strategy. TWS shared portions of their document that we can use as a template. The purpose of this is to provide a long-term vision of the vision of the fund that will transcend the tenure of any board and will outline the values our organization holds that should be reflected in investment choices. Board wants policy that 2 signatures are required for any withdrawal of CCTWS funds.
- Rose discussed the various investment options and board was interested in moderate risk investment strategy. Board also liked a managed account relationship with financial advisor where the advisor takes 1.22% (about \$793/year), invests with sustainability values in mind, and oversees investment fund proactively. CCTWS board would have few decisions to make and rely on the expertise of the investment strategist. If we meet our fund raising goal of \$24,000 and add this to the Candace Taylor contributions of \$41,000, we can expect about 3% as interest income minus the expense of the financial advisor – can expect about \$1950, conservatively
- Board agreed to invest in liability insurance protection to secure our funds and to provide assurances to donors that donations are safe.
- Board votes to start a Go Fund Me page as part of the fundraising campaign. Tony and Nate will work on setting up the page ASAP. Board will ask officers and students to share the GoFundMe link on social media. Board liked the idea that on GO Fund Me site donors can share stories and memories of Jim Olterman.
- Board suggested activating the finances/fund raising committee.

2. May Minutes

- Need more members present to sustain a vote. No comments at this time. Publishing in June newsletter as draft. Board will approve in July.

3. Treasurer's report: Nate

- Board received a third and final donation from the Candace J Taylor Fund for \$1,758.41
Expenses: \$1,000 for Sagebrush Workshop (redirected travel grant funds after members did not apply after two requests for proposals)
Balances:
Checking account \$27,065.21
Savings account \$20,006.48
Money Market \$43,279.94
Total assets \$90,351.63

4. Annual Cycle of CCTWS

- a. Newsletter (June 15 or 18 disbursement)
- b. Travel grants (2 @ \$500 each) – June 15 call, August 1 deadline, paid by Sept 1

Board Meeting, 13 June, Cont.

- c. Annual meeting preparations (July 9)
5. Criteria for travel and small grant application assessment
 - Planning to simplify process for applications. Pat and John will talk more before July meeting.
6. By-laws review (committees completed, TWS added dissolution language, board terms)
Will bring this up again later this summer -- suggestions to amend bylaw by “no term limit”.

ARTICLE V. ELECTIONS AND OFFICERS

Section 1. NOMINATING AND ELECTIONS COMMITTEE

The 3-member Nominating and Elections Committee, selected by the Executive Board (Article VII, Section 1) of the Colorado Chapter, shall prepare a slate of 2 candidates for each of the elective positions, namely: President-Elect, Secretary, Treasurer and eight (8) additional Executive Board member(s) from the Chapter voting membership as described in Article V, Section 3, Clause E. The Chapter Representative to the Central Mountains and Plains Section will be the Chapter President or official appointee by the Chapter President.

Clause A - All nominees must be Voting Members (Article IV, Section 1).

Clause B - Prior approval shall be obtained from said candidates.

Clause C - Nominations for officer and board member positions shall be solicited from the membership at least 120 days prior to the Annual Meeting.

Clause D - A preliminary slate of candidates shall be submitted to the membership at least 90 days prior to the Annual Meeting. (Article VI, Section 1, Clause A).

Clause E - Additional nominees may be added to the Nominating and Elections Committee's slate upon the signed support of 10 or more members, provided prior approval has been obtained from each nominee.

Clause F - The completed ballot shall be submitted to the membership at least 30 days prior to the Annual Meeting.

Clause G - A Voting Member may be elected for no more than 2 consecutive terms in the same elective position.

At-Large and regional Executive Board slots are considered to be the same elective position.

Section 4. TERM OF OFFICE

The officers and Board members must be voting members of The Wildlife Society, serve for approximately one (1) year, be installed at the Annual Meeting, take office immediately following the Annual Meeting, and unless reelected, terminate their duties at the conclusion of the next Annual Meeting, or at such time as their successors are elected and installed.

7. Conservation Affairs
 - Public Lands Position statement update
 - Public lands testimonials
 - Most members have approved this so far. 34 Pro and 1 opposed.
8. CCTWS Fund Raising
 - Auction
 - Rachel Brubaker, volunteer for 2019 meeting

Other fund raising opportunities

Colorado Gives Day – Pat will look into signing us up for 2018

<https://www.coloradogives.org/index.php?section=content&action=inquiry>

Corporate sponsors

Goal: develop mutually beneficial relationships where we connect partners to wildlife biologists and give them more exposure and they provide funding, products, expertise, exposure at meetings, on webpage or in newsletters.

Board Meeting, 13 June, Cont.

9. CCTWS Sagebrush Workshop – 8-9 August 2018 in Gunnison
CCTWS is sponsoring (\$1700)
10. CCTWS and Wyoming joint committee on I-80 big game migration barrier – update
Michelle Cowardin and Aran Johnson are working on this and contacting someone from Wyoming.
 - Expected to be mostly Wyoming personnel involved.
11. TWS Annual Conference in Cleveland 7-11 October 2018
CCTWS is sponsoring
Early registration ends June 30, <http://twconference.org/register/>
12. New high resolution logo produced by Nate
 - Thanks to Nate for recreating.
13. Round Table
 - Tony- Nonprofit charge for GoFundMe is 8% charge. Tony will go ahead and create.
14. Upcoming Meetings:
Monday 9 July 2018, Silverthorne/Dillon, 10 am – 3 pm in-person, lunch provided
Monday 6 August 2018, 9 am conference call

Board Meeting, 9 July

Colorado Chapter of the Wildlife Society

July Board Meeting Minutes

9 July 2018

10:00 am -3:00 pm

(Lunch Provided)

Dillon Ranger District

680 Blue River Pkwy

Silverthorne, CO 80498

Board Members Present: Chris, Chase, Steph, Marcella, Andrew, April, Aran, John, Pat

Part I: 10:00 am – 11:00 am Announcements, updates, board actions

1. May and June minutes – need board approval
John moved to accept the minutes from the previous meetings (May and June), Stephanie seconded the motion. Motion carries.
2. Annual Cycle of CCTWS
 - a. Newsletter (September 15 disbursement, all content due September 1)
 - b. Travel grants (2 @ \$500 each) – June 15 call, August 1 deadline, paid by Sept 1
 - c. Annual meeting preparations (July 9)
3. Conservation Affairs
Public Lands Position statement update: final membership vote 55 yes, 1 no
Board received feedback from members and will address changes to the statement.
Publicize?
Contact Backcountry Hunters and Anglers to run position statement in their newsletter. Potentially reach out to sportsman's groups (i.e. Rocky Mountain Elk Foundation, Mule Deer Foundation). Put together one page or less position statement available for publicizing (Pat).
Public lands testimonials – professional and personal relevance of federal public lands.
Campfire Stories- Interest in getting members and non-members at the annual meeting to speak up and give a few minutes talk on what the public lands means to them, past experiences, etc.
4. CCTWS Sagebrush Workshop – 8-9 August 2018 in Gunnison
CCTWS is sponsoring (\$1700)
Currently 25 RSVP's for the workshop, and growing.
Consider approaching Bird Conservancy of the Rockies to publish in their newsletter.
5. CCTWS and Wyoming joint committee on I-80 big game migration barrier – update
Michelle Cowardin and Aran Johnson have contacted Hall Sawyer from West, Inc. in Wyoming and will contact WYTWS President Ben Wise to further the discussion.
Early collaboration and conversations with Wyoming based consultants and Wyoming Wildlife Chapter on future crossing projects on I-80. Could consider tri-state approach with Utah.
6. By-laws review (committees completed, TWS added dissolution language, board terms)
Board discussed a change to the by-laws in reference to the language in Article V about term limits on board members. Currently most board members have served for more than 2 consecutive terms and therefore would be in violation of the by-laws. Board agreed that experienced board members are an asset to the chapter. Board also acknowledged that not enough members are interested/willing to serve on the board. Board proposed to remove Clause G in Section 1 and amend highlighted text in Section 4 of Article V. The highlighted text (serve for approximately one(1) year) will be removed. Stephanie moved to update by-laws as per discussion, John seconded. Motion carries. The proposed by-laws changes require member vote at the 2019 annual business meeting.

Board Meeting, 9 July, Cont.

Proposed changes to by-laws – all item sin yellow to be removed from by-laws.

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7. Criteria for travel and small grant application assessment

John and Krysten provided a draft grant application and grant application review. Board agreed that we need to keep the small grant and travel grant separate as the objectives for each are different. Board agreed that the grant application and assessment form need to be as simple as possible. John volunteered to create a simplified, 1-page documents for discussion at the August board meeting. (John)

8. CCTWS Fund Raising (Pat)

Jim Olterman Scholarship

Liability Insurance through Secura Insurance Company effective date July 1, 2018, premium \$705, coverage \$1,000,000 liability

Pat has contacted insurance company to cover the CCTWS during the fundraising procedures. Official coverage for CCTWS began July 1st. Fund raiser started July 1 as well.

Shared Google spreadsheet to keep track of donations and donors

Nate will email tax-deductible confirmation to donors

Pat will send hand written thank you notes

Board discussed asking past recipients of scholarship to write a testimonial about the role the scholarship played in their education. This could be published in the September and December newsletters.

Board discussed seeking a professional development expert who might be willing to donate time to help market the fund raiser and attach us to potential donors.

Ways to contribute:

Mail check to Nathan Seward, donate via Paypal on CCTWS webpage, contribute via GoFundMe

Three \$500 donations received

Robin Olterman will provide additional donation and an annual contribution

Board Meeting, 9 July, Cont.

How board can help?

Get the word out to members and other wildlife professionals

Donate if you have the means

Auction

Rachel Brubaker, volunteer for 2019 meeting

Pat will introduce Rachel to CCTWS board member in southwest Colorado (Aran Johnson) to help provide support on this task. Nate Seward will also be a main contact due to his experience with past auctions. CCTWS Board Members will remain a part of the auction process.

Other fund-raising opportunities

Colorado Gives Day – Pat working on this (deadline 31 August 2018)

<https://www.coloradogives.org/index.php?section=content&action=inquiry>

Pat will get the CCTWS signed up for this event.

Corporate sponsors

Goal: develop mutually beneficial relationships where we connect partners to wildlife biologists and give them more exposure and they provide funding, products, expertise, exposure at meetings, on webpage or in newsletters.

Pat mentioned that a member was concerned about how CCTWS board is managing finances and agreed that an explanation should be printed in next newsletter.

Part II: 11:00 am – 3:00 pm Annual Meeting Discussion (Working Lunch 12:30-1:00)

Board emphasized guiding principles for conference: relevant content, access and affordability, and sustainability (zero waste)

Date January 30-February 1, 2019 (date chosen after attempt to avoid known conflicting events)

Location and venue Colorado Springs or Pueblo will be meeting location.

Pricing and trade-offs with cost comparison between Pueblo and Colorado Springs will help determine meeting location (considering Pueblo Convention Center, Double Tree Hilton in CO Springs, Hotel El-egante, the Antlers, and Chyene Mountain Conference Center). Pat will continue to research the venues and provide a comparison for the board.

Registration (early registration?). Board agreed that an early registration incentive would be helpful for meeting planning. Chris suggested December 15th as the early registration deadline and those registering after December 15th will pay an additional \$50. (Chris and Nate)

Board acknowledged the challenges for federal employees to attend the conference. Several use personal time to attend. Board was enthusiastic about providing some sort of management type of workshop or theme.

Board Meeting, 9 July, Cont.

Meeting themes and ideas:

Wednesday (day session)

Symposium full day

Wildlife Management: Case Study on the Great Plains (John, Krysten and April)

- Potential topics: partnerships, mosaic landownership, farm-bill (CRP), species conservation (ferrets, plover, burrowing owl, swift fox, prairie chicken, herps), energy development, conservation easements and land trusts, water issues (drought, water compacts), working with private landowners (NRCS, BCR, Pheasants Forever, Playa Lakes JV), ARS research, walk-in access
- Potential site visit Chico Basin
- Potential local land-trust director

Workshop full day

Camera Trapping (Chris and Nate)

- Classroom and field trip
- Need transportation for site visit
- Geared towards students, biologist, and law enforcement
- Potential site visit Cheyenne Mountain State Park

Welcome Social (Wednesday night session)

Public lands Celebration Social (Pat, Andrew, Nathan, and Tony)

- Theodore Roosevelt and John Muir Speaker (Tony)
- Partnerships with Backcountry Hunters and Anglers, Mule Deer Foundation, Rocky Mountain Elk Foundation, Ducks Unlimited, Safari Club International, Colorado Open Space Alliance, Colorado Trails and Open Space
- Invited booths may also sponsor events
- Public lands agencies are guests/honorees
- Highlight the Public Lands Position Statement
- Public lands testimonials
- Beer and Alcohol – donated
- Depending on conference venue could have this event at alternative site – brewery?

Thursday

Plenary Session: Communication and Advocacy for Science (Pa, Tony, Krysten and Andrew)

Keynote:

- How to effectively communicate in science?
- What mistakes do scientists/managers make?
- Case studies/lessons learned
- What constitutes effective communication?
- How to talk to media and diverse stakeholders?
- CPW PIO – human dimensions
- CSU human dimensions
- Self-awareness of wildlife management narrative – is it limiting?
- Demographic cliff and diversity on wildlife profession (inclusion)

Board Meeting, 9 July, Cont.

- Potential speakers: Rick Kahn (retired from two agencies), Douglas Mckenzie-Mohr (science of behavior change for communication), Jen Forbey (Boise State University), Barry Noon (CSU – 10 commandments of advocacy), Nalini Nadkarni (University of Utah), Joel Berger (WCS), Kate Stegermeister (USFWS), Hannah Nicknew (SGI), Natalie Sexton (USFWS)

Other considerations:

Contributed papers (December 1 deadline) – Marcella and Aran
IGNITE session (Thursday afternoon, Krysten will lead this segment)
Poster session (Thursday before banquet – Marcella and Aran)
Banquet (Thursday -- Pat)
Awards – Michelle Cowardin and Jesse McCarty
Auction -- Rachel Brubaker
Sponsorships -- Kendra
Photo Contest -- Marcella will design guidelines for contest
Beer -- Wednesday and Thursday night (April, Kendra, Andrew)

CCTWS Board will design a questionnaire to send out to current membership to gauge why level of involvement is what it is (Andrew).

September newsletter
Save the date and general info
Call for papers
Call for awards

9. Round Table

Chris Mettenbrink- Announce Save the Dates in CCTWS September Newsletter.
Marcella Fremgen- Idea for art contest at future events.

10. Upcoming Meetings:

Monday 6 August 2018, 9 am conference call

ADJOURN 3:00 PM – SAFE TRAVELS

Board Meeting, 5 Aug

Colorado Chapter of the Wildlife Society August Board Meeting Minutes 6 August 2018 9:00-11:00 am

Conference Call (1-866-951-1151; conference room 479-292-893)

Present: Pat Magee, Steph Durno, Marcella Fremgen, Chase Taylor, Krysten Zummo-Strong, Nate Seward, Chris Mettenbrink, Andrew Don Carlos, Aran Johnson, Kendra Cross

Guest: Rachel Brubaker, auction coordinator

1. July minutes – Steph made a motion to approve the July minutes, Aran seconded the motion, all board members voted in favor of the motion.
2. Treasurer's report (Nathan Seward)
Balances
Checking account: \$27,961.58
Savings account: \$20,006.81
Money Market (Candace Taylor): \$43,283.09
Total assets: \$91,251.48

Jim Olterman Scholarship

Nate received \$2,550 in checks; \$350 has been donated through Paypal. No donations have been made through the GoFundMe page.

Current status: 14 donations summing to \$2,900 (12% toward \$24,000 goal after one month)
Avg donation = \$207, 4 donations @\$500

3. Annual Cycle of CCTWS
 - a. Newsletter (September 15 disbursement, all content due September 1)
 - b. Travel grants (2 @ \$500 each) – June 15 call, August 1 deadline, paid by Sept 1
 - c. Call for small grants
 - d. Call for awards
 - e. Annual meeting preparations
4. Membership issues
Current membership = 337; membership tends to grow and wane with the annual meeting, especially after the Fort Collins meeting. We often grow to over 400 members but many of those memberships are strictly associated with meeting registration. Pat planted a seed for the board to think about a membership goal and strategy for recruiting and retaining members. Currently Mindy Rice, membership coordinator, sends members emails when their membership is close to expiring and then again when it has expired. After this the former member is removed from the database. Mindy suggested she could start a new database for members whose membership recently expired and the board asked for more reminders and suggested that every six months a general membership renewal email be sent to this list of expired memberships. The email would also include an option for recipients to respond that they want to be removed from this email list. The board thought that phone or text reminders would not be appreciated by members.

Board Meeting, 5 Aug, Cont.

5. Conservation Affairs
Public Lands Position statement is finalized
Develop a one-pager brief and/or PSA, Pat communicating with Patagonia about partnering on federal lands advocacy
Public lands testimonials – professional and personal relevance of federal public lands – tie to public lands celebration at annual conference
Dave Showalter (photographer) donated a photo for us to use on Facebook and the web page
6. CCTWS Sagebrush Workshop – 8-9 August 2018 in Gunnison. Marcella Fremgen is the main organizer and said the registration reached 50 individuals (the goal).
7. CCTWS and Wyoming joint committee on I-80 big game migration barrier. Aran Johnson is attending a workshop in Laramie in August and hopes to discuss with WYCTWS President Ben Wise. He also suggested this could be a tri-state initiative with Utah as well.
8. Criteria for travel and small grant application assessment. John Hughes revised the small grant and travel grant application and assessment criteria. Pat suggested we table this discussion until Krysten is president next year. The reason for this is lack of capacity to take on this effort with the annual meeting planning and fund raiser underway. Pat will forward the latest document that John created. The board emphasized that they want to keep the process of applying for CCTWS grants and for assessing grant applications simple.
9. Other fund raising opportunities
Colorado Gives Day – Pat working on this (deadline 31 August 2018)
<https://www.coloradogives.org/index.php?section=content&action=inquiry>

Corporate sponsors
Goal: develop mutually beneficial relationships where we connect partners to wildlife biologists and give them more exposure and they provide funding, products, expertise, exposure at meetings, on webpage or in newsletters. Kendra is willing to help with this and asked for and received a green light to move forward.
10. Web page update (<http://wildlife.org/colorado/>)
Aleshia Rummel is the webmaster and is doing a great job working with Mariah at TWS to keep the webpage current and accurate. New additions include the Jim Olterman fund raising content and a new link to our public lands position statement (with Dave Showalter's photo and links to TWS position statements). Pat asked the board to provide feedback and to let him know if any updates/corrections are needed. Aleshia has also maintained the CCTWS Facebook page.
11. Fall Travel Grants
Chris Mettenbrink, travel grant coordinator, received two applications. One was from Rob Schorr who is requesting funds to travel to the 48th Annual Symposium on Bat Research, Puerto Vallarta; October 24-27, 2018. The second application came from Clarinda Wilson, a Western State Colorado University MEM graduate student, hoping to travel to the TWS conference in Cleveland, 7-11 October 2018. Nate motioned that both requests be funded. Krysten seconded the motion. The motion carried unanimously.

Board Meeting, 5 Aug, Cont.

12. Annual Meeting

The annual meeting will be held from 30 January – 1 February 2019.

Pat researched several venues and sent the board a comparative analysis. The board discussed the pros and cons of each venue. The Colorado Springs Doubletree Hilton was rejected due to the high costs and poor service at our 2016 meeting. The board chose the Pueblo Convention Center as the site for the meeting.

The board discussed possible registration fee which would include venue costs of ~\$120 per person for 200 registrants at Pueblo Convention Center and additional costs for speaker travel and other meeting costs -- \$50 per person. Total registration cost could be \$170 at early bird price and after December 15 registration fee would be \$200.

The board quickly summarized the annual meeting events

Wednesday Symposium full day

Wildlife Management: Case Study on the Great Plains will be organized by John, Krysten and April. The board did not want to charge an additional fee for this symposium. Lunch will be provided.

Wednesday Workshop full day

The Camera Trapping workshop will be organized by Chris and Nate. No field trip is planned. Lunch will be provided. A fee will be included.

Wednesday Welcome Social

The public lands celebration and welcome social will be organized by Pat, Andrew, Nate, and Tony. Tony will seek information about a historical actor such as Theodore Roosevelt or John Muir. We will try to find a partner organization in Pueblo to co-sponsor this speaker and invite the actor to another event in the community (Pueblo has a Sierra Club Chapter and the Arkansas Valley Audubon, and they may have energy companies interested in funding the speaker). The intent of the Wednesday night social is to partner with a variety of non-profits that are public lands advocates and to invite booths and sponsors. Public lands agencies are guests/honorees. Members will be invited ahead of time to prepare and deliver a short public lands testimonial.

Thursday

The plenary session will focus on communication and advocacy for science; this session will be organized by Pat, Tony, Krysten and Andrew. Central questions to be addressed include how to effectively communicate in science and what constitutes effective communication? Another theme will be how to talk to media and diverse stakeholders? A potential keynote speaker is Douglas McKenzie-Mohr (science of behavior change for communication). Pat scheduled phone call with Doug on Tuesday August 7.

Beer donations (Wednesday and Thursday nights) are being secured by April, Kendra, and Andrew.

IGNITE session (Thursday afternoon) organized by Krysten.

Contributed papers (Friday morning) and poster session (Thursday preceding banquet) organized by Marcella and Aran. Working on a call for papers for September newsletter.

Business meeting (Thursday lunch) organized by Pat!

Banquet (Thursday) organized by Pat!

Board Meeting, 5 Aug, Cont.

Awards (Thursday) are being coordinated by Michelle Cowardin and Jesse McCarty. Pat asked them to prepare call for awards for September newsletter.

Auction (Thursday) organized by Rachel Brubaker, volunteer for 2019 meeting with help from Aran Johnson and Nate Seward. Rachel was on the call. Nate will provide her with past request letter and list of potential donors.

Photo contest is new this year and Marcella is organizing the event. She is working on a call for photo entries for the September newsletter. She is going to have various categories that the general membership can vote on at the conference. Prizes will be given.

13. CCTWS Board will design a questionnaire to send out to current membership to gauge who our members are and what their interests are. Andrew will lead this effort. We will discuss in September. Andrew provided a conceptual framework of the survey.

14. Round Table

Rachel verified needs to get started on the auction. Chris verified collaboration with Nate to organize the camera workshop.

15. Upcoming Meetings:

Wednesday 12 September 2018, 9 am conference call

Wednesday 3 October 2018, 9 am conference call

Wednesday 14 November 2018, 9 am conference call

Wednesday 12 December 2018, 9 am conference call

ADJOURN 10:40 am

Scholarship Recipient

Katie Gray, Colorado State University 2018 Jim Olterman Scholarship Recipient

I consider being a Colorado native an incredible blessing. I am very lucky to have grown up here, in a family that enjoys spending time adventuring in the outdoors. Our hours outside spent camping, hiking, fishing, and admiring the beauty of the state established a profound love and appreciation for nature and has inspired me to pursue a career in wildlife biology. My passion for wildlife has been mirrored and fostered by my peers and professors during my time at CSU and my involvement with the student chapter of TWS has allowed me to explore new and exciting aspects of natural resource management that I didn't know existed. I attended my first CCTWS conference my senior year of high school and was encouraged to find that many of the professionals there were willing to talk to me about their careers and what I might do with mine. I hadn't had the chance to talk to many wildlife professionals before and was so excited to learn as much as I could! Receiving the Jim Olterman Scholarship at the conference this past February was truly an honor and I am so grateful for the opportunity to continue attending future conferences!



Scholarship Fund Update

Jim Olterman Scholarship

Your generosity is deeply appreciated | There are several ways to make a gift?

Visit <http://wildlife.org/colorado/Jim-Olterman-Scholarship-Donations> to make an on-line donation.

You can also write a check to Colorado Chapter of the Wildlife Society (Memo: Jim Olterman Scholarship) and send to Nathan Seward, treasurer, c/o Colorado Chapter of the Wildlife Society, 300 West New York, Gunnison, CO 81230.

You can link to our donation page through Facebook at <https://m.facebook.com/ColoradoChapterTWS/?ref=bookmarks>.

Or, donate through our Go Fund Me donation page at www.gofundme.com/jim-olterman-scholarship-fund. When you donate on the GoFundMe site, you have the chance to leave a comment, thought or memory of Jim for others to read.

Social media campaigns can be very successful! Consider sharing the opportunity to participate in the fund raising campaign with others through your social media outlets. Don't underestimate the value of inviting your friends to be part of the Jim Olterman Scholarship Fund.

Through our liability insurance your donations are secure. All gifts are tax deductible and CCTWS is a 501(c)(3) non-profit organization. Donation receipts will be mailed to every donor.



Support Jim Olterman's Legacy and Wildlife Education

Undergraduate training is important for those interested in careers in wildlife biology as most careers at present start with a B.S. degree. **Jim Olterman** understood this importance as he wanted to have a career in wildlife. He even went so far as to earn a graduate degree. Support from family and \$ earned in 'off' season employment can be stretched further through scholarships. Their value is not only in the amount but also in the recognition of promise of the recipients. The Colorado Chapter (TWS) is supportive of students and has set a goal to endow the Olterman Scholarship. All of us can help meet this goal by donating to the Fund established. I gifted to this fund and ask that you also consider gifting. Together, relatively small amounts can make a difference.

*Clait E. Braun
Charter Member, Colorado Chapter
Past President, TWS*

Annual Meeting

SAVE THE DATE
Colorado Chapter of the Wildlife Society
2019 Annual Meeting
at the
Pueblo Convention Center, Pueblo, CO
(in downtown Pueblo by the Riverwalk)
30 January – 1 February 2019

Lodging at the Courtyard Marriot



"If you do not change direction, you may end up where you are heading"
Loa Tzu

Conference Theme
***Graceful Transitions:
Understanding Factors that Motivate Human Behavioral Change
to Benefit Wildlife Conservation***

KEYNOTE ADDRESS

Fostering Sustainable Behavior with Community-based Social Marketing

Doug McKenzie-Mohr

Wildlife professionals deeply devote ourselves to the conservation of wild species and lands and have recognized in the last three decades the essential and profound need to develop more sophisticated science-based methods to understand the human dimensions of our discipline and interface with the public and diverse stakeholders. A sustainable future for wildlife in Colorado depends on the strategic actions of wildlife professionals engaging with these diverse audiences. Human behavior is center stage and unless we become different, we will expect to see more habitat loss and fragmentation and wildlife population declines, as the human population pushes deeper into the "woods". At the 2019 annual meeting, the CCTWS membership has the opportunity to gain a skillset that empowers us to sway, influence, inspire and impact the public and other constituents. Doug McKenzie-Mohr has 25 years of experience in catalyzing human behavioral change through a method he calls community-based social marketing.

Annual Meeting, Cont.

This five step approach will be reviewed during our plenary session and we will host a full-day **preconference workshop (Tuesday January 29)** to delve deeper into the path of fostering sustainable behaviors.

Full day workshop (Wednesday January 30)

The use of remotely triggered wildlife cameras (i.e., camera traps) to monitor and assess wildlife populations is a growing technique in the field of wildlife management. A common issue with such studies is how to store and archive hundreds of thousands of photos that must be identified and transformed in to data format for statistical analyses. Colorado Parks and Wildlife researchers, Dr. Jacob Ivan, Eric Newkirk, and Eric Odell, will host a half day workshop on CPW's new Microsoft Access Photo Warehouse <http://cpw.state.co.us/learn/Pages/ResearchMammalsSoftware.aspx> which allows users to import photos and image data, and conduct basic queries allowing the user to view and filter a subset of photos by study area, species, season, etc. This allows the user to produce input files for common analyses such as occupancy, abundance, density and activity patterns using Programs MARK, PRESENCE, DENSITY and the R packages 'secr' and 'overlap.' A basic understanding of remote cameras and Microsoft Access is required. A half day field component on the pros and cons of remote cameras, installation, and factors that influence detection rates is also planned.

Full day symposium (Wednesday January 30)

Wildlife Management on Colorado's Great Plains

In this symposium a diversity of speakers will explore the wildlife conservation partnerships on a landscape with mosaic landownership. Updates on species conservation (black-footed ferrets, swift fox, burrowing owls, lesser prairie chickens, mountain plovers, plains fish, herps) and landscape scale conservation planning will be addressed. Other topics **may include** the Farm Bill and the evolution of the Conservation Reserve Program (CRP), energy development impacts on wildlife, efforts by land trusts and others to secure conservation easements in the mostly privately owned eastern portion of Colorado, water conservation and effects of recent droughts, walk-in hunting access issues, private landowner collaborations (NRCS, PFW,, BCR, Pheasants Forever), conservation of the playas and the Playa Lakes Joint Venture, new research from the Agricultural Research Station (ARS).... The topics are relevant to all wildlife biologists in Colorado with the case studies focusing on our grassland habitats.

Welcome Social (Wednesday January 30)

On Wednesday evening we'll gather for our traditional welcoming social and networking event and this year we'll have a special celebration of our public lands. Look for a historical conservationist to show up and we hope to hear from many of you regarding the role of public lands in your personal and professional lives. We'll be partnering with many public lands advocates and we will showcase our recently completed public lands position statement.

Photo Contest

New this year, we have numerous categories and encourage you to submit photo entries. Prizes will be awarded. See my Pika of La Plata Peak (Photo by Patrick Magee!).



Annual Meeting, Cont.

Other Conference Activities

Our popular IGNITE session will return as well as our Friday morning oral presentations covering a diversity of wildlife projects in Colorado. Please consider giving a talk at this year's meeting!!! A poster session will precede the annual banquet which will feature good drinks, good food, and a live auction. We will also honor our members at the annual awards ceremony. Please consider nominating a colleague! We'll also wrap up our fund raising campaign to honor the life and legacy of Jim Olterman.

We'll get information to you about registration and booking hotel rooms. And this year look for our early bird registration option (save money and plan ahead).

Announcements

NEW BLOG!

Today's wildlife professional faces many challenges; from expanding human populations and climate change, to funding and on-the-ground management. Each of these challenges coalesce around the primary challenge of effective communication between scientists and stakeholders (the public, businesses, policymakers, landowners, etc.). Historically, science has been a stronghold, a fact-based system that our society relied upon for innovation and protection. Recently, this reliance has waned and scientists are left wondering why. This year's annual meeting will focus around effective communication in the wildlife profession, and measures that we can take to improve our communications with stakeholders. To read more about how reliance on science has shifted, the deeper causes to that shift, and to talk about some possible steps forward, check out *On The Wild Stump*, a new blog being written by one of our own board members! www.onthewildstump.com

Announcements

IGNITE-STYLE SESSION: Call For Abstracts!!! Colorado Chapter of The Wildlife Society Annual Meeting

Are you currently involved in creative new research?

Do you have an interesting case study to share?

Do you have a passion for a new perspective or methodology in wildlife management or conservation?

Ignite-Style Presentations:

These “To the Point” sessions have been an exciting new staple in recent conferences, and provide a great platform for members to quickly share updates and information that don’t require a full 20-minute presentation. Ignite-style talks include automated slide progression condensing the talk to 5 minute! Talks can be funny, inspirational, or informative, but should all strive to be engaging and entertaining.

Presentation Guidelines:

20 slides – no more, no less

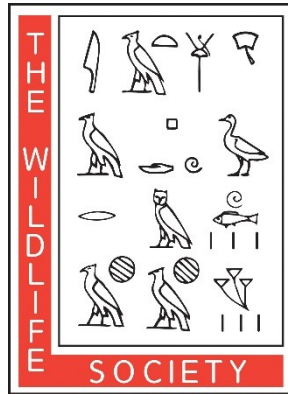
5 minutes – each slide displays for 15 sec. (15 sec. x 20 slides = 5 min)

To be considered for an Ignite-Style Talk slot, please submit your name, talk title, and a **3-5 sentence explanation** of your talk to Krysten Zummo-Strong at kzummo11@gmail.com by **January 7, 2018**.

For Additional information about Ignite-Style Talks:

- <http://www.slideshare.net/IgnitePhoenix/ignite-presentation-tips-1524584> Why give an Ignite talk?
- <https://www.youtube.com/watch?v=yGENcskRGRk#t=88> Want to see some example Ignite presentations? Go here: <http://igniteshow.com/> Ignite Slideshow Tips
- A slideshow is a tool that helps enhance your presentation. Here are a few tips to make your slideshow great!
- Keep It Simple. Use relevant images/photos and a few key words to capture the idea you’re trying to convey.
- Bullets and Text. Avoid using lots of text. If necessary, use brief 1-3 word statements.
- Timing. Slides advance every 15 seconds, so avoid cramming too many topics or ideas into one slide. Instead, give yourself breathing room by spacing ideas and topics across multiple slides. You have 20 slides, so don’t be afraid to use them.
- Final Suggestion Slide. We highly recommend that your last slide be a “Next Steps” or Call to Action slide.

Announcements



Call for Abstracts

Presentations, Posters, and IGNITE

The Colorado Chapter of The Wildlife Society

Annual Meeting: January 30 to February 2, 2019 Pueblo, Colorado

We invite you to present an oral presentation (traditional format) or poster on the topics of wildlife research, ecology, management, conservation, education, or policy at the 2019 annual meeting of the Colorado Chapter of The Wildlife Society. All topics are welcome, and we strongly encourage students and professionals to present. All student presentations will be considered for the "best presentation" and "best poster" awards, which include a gift certificate and recognition at the end of the conference.

Traditional oral presentations: 20 minutes allotted for each presentation (15-18 minutes for presentations followed by 2-5 minutes for questions and discussion). Oral presentations are limited to Microsoft PowerPoint or Adobe PDFs. No other formats will be accepted. Presentations must be uploaded at the beginning of the session in which you will present.

Poster presentations: maximum dimensions are 4 feet by 4 feet in size. Easels will be provided. At this year's conference, we will schedule a formal poster session before the banquet, allowing presenters more time to discuss their work with conference participants. Attendance at the poster session is required for presenters.

IGNITE presentations: see call for IGNITE abstracts.

Abstract submission deadline: Saturday, December 15, 2018

Options for submitting abstract:

1. Submit abstracts as Microsoft Word attachment to Marcella Fremgen at Marcella.fremgen@co.usda.gov.
 - Provide all the required information in one Word document, or use fillable PDF.
 - Provide the presentation title, author name(s), author affiliation(s), presenter address, and presenter e-mail. Be sure to indicate which author is presenting at the meeting, and indicate if the presenter is a student (specify if the presenter is a graduate or undergraduate student).
2. Download, complete, and submit the fillable Abstract Submission PDF (included in the e-mail with this newsletter).

Announcements



Photography Contest

The Colorado Chapter of The Wildlife Society

Annual Meeting: January 30 to February 2, 2019

Pueblo, Colorado

We invite you to submit a photograph at the 2019 annual meeting of the Colorado Chapter of The Wildlife Society, to be judged by popular vote. Photographs can be from work or recreation, and categories include Amphibians, Reptiles, and Fish; Birds; Invertebrates; Mammals; Game Camera; Human Dimensions; Landscapes and Still Life (including flora); and Creative/Comedic. Each conference attendee may submit up to three photographs. Winners will receive a prize.

To submit a photograph, please print your photograph in an 8 x 10" format and drop it off at the registration table when you check in for the conference, and bring a submission form. Label the back of the photograph with the following information: category, photograph title, entrant's name, phone number, and e-mail. Photographs cannot be framed or displayed on a mat board. Please also send a digital copy to Marcella Fremgen at Marcella.fremgen@co.usda.gov and provide the following information with your submission.

Photographer	
Photographer's contact information	E-mail address: Phone number: Physical address:
Photograph Information	Title: Genus/Species: Description: Is photo edited?:
Category	Amphibians, Reptiles, and Fish Birds Invertebrates Mammals Game Camera Human Dimensions Landscapes and Still Life (including flora) Creative/Comedic
Other information	Is subject a captive animal or cultivated plant? <input type="checkbox"/> Yes <input type="checkbox"/> No Does photograph adhere to ethical field practices?* <input type="checkbox"/> Yes <input type="checkbox"/> No

See ethical field practices of photography from the North American Nature Photography Association (NANPA) standards (<http://www.nanpa.org/advocacy/ethics/>).

Announcements

Colorado Chapter of The Wildlife Society



Abstract Submission Form

Please fill in all of the following information for your abstract to be considered. You may create and use your own form, but please be sure to include all of the following information. Please denote author affiliations with superscript numbers.



Author Information		
Presenter:		
Affiliation:		
Is the presenter a student?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Graduate <input type="checkbox"/> Undergraduate
Mailing Address:		
Telephone Number:		
E-mail Address:		

Presentation Preferences	
Please check the box to the right indicating what kind of presentation you would like to give. See the official call for abstracts for details about each type of presentation.	<input type="checkbox"/> Traditional presentation (20 minutes)
	<input type="checkbox"/> Ignite presentation (5 minutes)
	<input type="checkbox"/> Poster

Announcements

Abstract
Title:
Authors:
Affiliations:
Abstract (250 words or less):

Announcements

Colorado Chapter of The Wildlife Society Call for Awards

Take some time today to nominate someone who is deserving of one of the many CCTWS awards!

Awards to be presented in 2019 include:

Douglas L. Gilbert Award for Outstanding Achievements in Wildlife Sciences

Professional Achievement in Wildlife Administration

Professional Achievement in Wildlife Research

Professional Achievement in Wildlife Habitat Management

Honorary Chapter Membership

Allen E. Anderson Award for Outstanding Wildlife Undergraduate Student

Chapter Service Award

Meritorious Service Award



Blown Blunderbuss Award

Chase Taylor receiving the 2018 Blown Blunderbuss Award and Scott Wait accepting the 2018 Douglas L. Gilbert Award for Outstanding Achievements in Wildlife Sciences.

For details, visit our website (<http://wildlife.org/colorado/awards/>)

Nominations due to Michelle Cowardin (michelle.cowardin@state.co.us) by December 21, 2018.

Announcements



Colorado Chapter of The Wildlife Society

ALLEN ANDERSON OUTSTANDING WILDLIFE STUDENT AWARD REQUEST FOR NOMINATIONS

The Colorado Chapter of the Wildlife Society (CCTWS) is seeking nominations for the Allen Anderson Outstanding Wildlife Student of the Year award, which recognizes an outstanding undergraduate student at a Colorado college or university. Any undergraduate student is eligible to receive the award; preference will be given to students in wildlife and wildlife related programs. Any professional may nominate students. The student's transcripts and resume are required as part of the submission materials, which may necessitate involvement of the student in the nomination process. Nominations will be evaluated with respect to academic excellence, applied wildlife-related experience, and extracurricular activities.

The award will consist of a personalized award plaque, inclusion of the student's name and year of award on a traveling perpetual plaque (which will be displayed at the student's educational institution for one year), and a wildlife-related book that CCTWS will select. The awardee will be recognized at the 2019 CCTWS Annual meeting.

APPLICATION PROCEDURE

Nominators/students must submit the following materials for evaluation:

1. A current transcript of all completed coursework.
2. A resume describing the student's extracurricular wildlife-related activities, including employment, volunteer work, participation and service in wildlife-related organizations, or self-directed activities. The resume should include an email address, mailing address, and telephone number.
3. Two letters of recommendation from individuals familiar with the student's wildlife activities.

Incomplete applications will be rejected.

All materials must be submitted to the email or address below by [January 4th, 2019](#).

SEND APPLICATION MATERIALS TO:

Jesse McCarty
Colorado Chapter of The Wildlife Society
46525 US Highway 114
Saguache, CO 81149
jmccarty@fs.fed.us (electronic submissions preferred)

If you have questions about the application process, please contact Jesse McCarty at 719-655-6110 or via email jmccarty@fs.fed.us

Announcements

2019 Jim Olterman Scholarship Award – Request for Applications

The Colorado Chapter of the Wildlife Society (CCTWS), in cooperation with Robin Olterman, are requesting applications for the 2019 Jim Olterman Scholarship Award, to honor Jim and his contributions to Colorado's wildlife legacy.

The Jim Olterman Scholarship Award is offered annually to encourage and support an upper-level Colorado college student in the pursuit of a career in wildlife biology and management. The recipient will receive \$750 and a plaque, and will be recognized at the 2019 CCTWS Annual meeting.

Jim Olterman, a Colorado Division of Wildlife Senior Terrestrial Biologist and pilot, died in a plane crash on September 4, 2002, while conducting aerial fish stocking operations in the Sangre de Cristo Mountains in southeastern Colorado. During the crash, Jim's actions saved the life of a CDOW hatchery technician flying with him. Jim was born and raised in Kingsport, Tennessee where he gained a deep appreciation for the outdoors in general and wildlife in particular while hunting, fishing and exploring the backwoods of his aunt's farm. In 1964, Jim headed west to enroll at Colorado State University where he received his Bachelor's Degree in Wildlife Biology. In 1968, he joined the U.S. Army and later left the service as a decorated Vietnam Veteran. During his early years in the army, Jim learned to fly and flying quickly became one of the great passions of his life. After his time in the service, Jim received a Master's in Wildlife Science from Oregon State University. Jim led a spectacular career of 30 years in the CDOW. Starting out as a District Wildlife Manager in 1972 he successively assumed the positions of Wildlife Biologist in Montrose, Senior Terrestrial Biologist in the Southwest Region, and finally Senior Terrestrial Biologist for the western slope. He was also a fully commissioned peace officer and a Division pilot frequently flying survey, radio tracking, stocking, transport and law enforcement operations for the agency. Jim played an integral role in bringing desert big-horn sheep into Colorado, and moose, lynx and game birds into the southwestern part of the state. He was also an active supporter of the Colorado Chapter of The Wildlife Society and the parent organization, The Wildlife Society. He served on the CCTWS Executive Board in 1979 and 1980 and encouraged his colleagues and employees to be active members of this and other professional organizations.

Jim's main passions in life were the wildlife resources, fishing, flying and above all, his family: daughters Lara and Sally, son Tandy and his wife Robin. Robin claims that no one "new" rode in Jim's plane without hearing of his family. Shortly after his death, Sally gave birth to a daughter: Abigail James.

Rick Kahn, CDOW Wildlife Management Supervisor, a colleague and close friend of Jim's, once stated so well: "Jim was proud to live in Colorado, proud to be a wildlife biologist in this great state and proud to be part of the wildlife family. He was an inspiration to many who knew him. He was passionate about the resource and the people who appreciate it. Jim Olterman epitomized the professional wildlife biologist; he lost his life while doing the job he truly loved."

APPLICATION INSTRUCTIONS

You must meet the following criteria to be considered for the Jim Olterman Scholarship Award:

You must be a member of either The Wildlife Society or the Colorado Chapter of The Wildlife Society. (You may submit a membership form with payment to the Colorado Chapter of TWS when submitting your scholarship application if you are not currently a member. Please see attached membership application.)

By December 2018, you must have completed two-thirds of the credits required for graduation with a Bachelor's Degree in Wildlife Biology or Management or a related natural resource field.

The application consists of the following materials:

A current resumé.

A current transcript (unofficial transcripts are acceptable) indicating your current number of credits and grade point average. Two letters of reference. One reference shall be from a professor familiar with your academic capabilities and accomplishments. The second reference shall be from a supervisor whom you worked for in a natural resources-related position (volunteer work is acceptable).

A short essay (1-2 pages in length) describing (1) your interests in the biological field, (2) your career goals and how they relate to wildlife management, and (3) how you would use the award to further your professional development.

Please direct questions to Jesse McCarty: 719-655-6110, jmccarty@fs.fed.us

Incomplete applications will not be considered. Applications must be submitted to the Colorado Chapter of The Wildlife Society electronically no later than January 4th, 2019. Please submit applications to:

Jesse McCarty

jmccarty@fs.fed.us (subject line must include Jim Olterman Memorial Scholarship)

Announcements

2018 Small Grant Program

The Colorado Chapter of the Wildlife Society is pleased to announce its Small Grant Program for 2018. The purpose of the program is to encourage and support those projects that have a direct impact on the management and conservation of wildlife and promote wildlife education. For 2018, the chapter is offering two grants for projects that focus on research and management or projects that focus on wildlife education. One grant will be awarded to a research and management project and one grant will be awarded to an education project. The chapter is accepting applications from both members and student members of the chapter. For more details regarding application requirements, please visit our website at

<http://wildlife.org/colorado/small-grants/>

We encourage the winners of these grants to present their projects at the winter meetings.

The deadline for applications is November 1st, 2018. These grants will be awarded by December 1, 2018. Applications can be emailed to Chris.Mettenbrink@state.co.us or can be submitted by mailed to:

**Chris Mettenbrink
5222 Longs Peak St.
Brighton, CO 80601**

Workshop Announcement

CCTWS Sponsored Summer Workshop: Sagebrush Identification, Ecology, and Palatability August 8-9, 2018 – Gunnison, Colorado

On August 8th and 9th, participants from a wide variety of federal and state agencies gathered in Gunnison, Colorado to learn about the identification, ecology, and palatability of sagebrush and understory plants. There were 50 attendees from 17 agencies and organizations. The keynote speaker was Roger Rosentreter, who retired from the Bureau of Land Management in Idaho after 35 years as a botanist. Roger spent a large proportion



Figure 1. Roger Rosentreter showing workshop participants

of his career working closely with wildlife biologists to evaluate palatability of plants in sagebrush ecosystems for sage-grouse and other wildlife.

The workshop began in the classroom, where participants learned about sagebrush identification and ecology from a variety of speakers. First, Roger Rosentreter talked about distributions and ecology of species across the range of sagebrush, and then Jonathan Coop (Western State Colorado University) provided a local perspective. He also discussed the impacts of weather and climate on sagebrush. Next, Roger

discussed palatability, followed by Marcella Fremgen (Bird Conservancy of the Rockies), who talked about how palatability impacts habitat use by sage-grouse. Next, Roger discussed the most palatable forbs, and Renee Rondeau (Colorado Natural Heritage Program) discussed how wet meadow restoration impacted the composition of plants, including palatable forbs. Finally, Jeff Beck (University of Wyoming) discussed how different species of sagebrush respond to different habitat treatments in sagebrush, and how that impacts wildlife habitat use for sage-grouse and songbirds.

The following day, the lessons moved to the field, where a tour allowed participants to see six different



Figure 2. Roger Rosentreter discussing the palatability of fringed

species of sagebrush: white (herbaceous) sagebrush, fringed sagebrush, black sagebrush, Wyoming big sagebrush, mountain big sagebrush, and snowbank sagebrush. The three big sagebrush subspecies are the most difficult to identify, but given drastically different responses to management, it is important for managers to identify these different taxa. Additionally, differences in palatability can scale up to impact habitat use and reproduction for various sagebrush-obligate species and facultative sagebrush browsers, so it is important to identify local sagebrush species distributions.

Workshop Announcement, Cont.

Additionally, presenters discussed sagebrush palatability and how that relates to ultraviolet light emissions. In general, the greater the fluorescence of the sagebrush under a black light, the higher the palatability of the plant. Sage grouse can see both visible light and ultraviolet, so they may be able to see ultraviolet light, and thus pick the sagebrush plants with higher palatability.

Roger also created a great table representing sage grouse forb preference broken down by twelve plant groups. The highest preferred forbs include the yellow composites (milky sap plants such as dandelions), tender legumes (such as vetches and clover) and tender forbs and succulents (such as chickweeds and globemallow). A short forb walk allowed participants to see the forbs and learn to identify common ones. The abundance of forbs can be impacted by various management techniques. The workshop was sponsored by Colorado Chapter of The Wildlife Society, Bird Conservancy of the Rockies, U. S. Fish and Wildlife Service – Partners for Fish and Wildlife, Western State Colorado University and their Masters in Environmental Management program, Colorado Parks and Wildlife, the Gunnison Basin Sage-Grouse Strategic Committee, and Sisk-a-dee.



Figure 3. Participants and presenters at the sagebrush workshop, at the end of the day. Photo was taken in a field of snowbank sagebrush, one of the most palatable species of sagebrush. Photo by Carley Clegg.

Public Lands



Public Lands Testimonial by Dave Showalter

My love of public lands began in earnest while at the University of Wyoming in 1976. On weekends, I'd be in the Snowy Range of the Medicine Bow National Forest hiking and backpacking in all seasons, and skiing Medicine Bow in winter. My freshman gym class was an outdoor "climbing gym" at Veedauwoo, also in Medicine Bow NF, and the other direction from Laramie. Coming from the Midwest, I was blown away by the very idea that I could just go explore these lands wherever my curiosity took me.

My life as I know it wouldn't be possible without public lands. In other words, I can't live without wild places in my life and in my heart.

Seeds planted climbing Colorado's fourteeners, backpacking to the Colorado River in the Grand Canyon, witnessing grizzly bears roaming free in Denali National Park, ultimately led to a career as a conservation photographer focused on the American West. I came to learn that the lands around our incredible national parks are just as important as the national park itself, for wildlife and people need freedom to roam.

I could go on at great length about what it's like to witness the miracle of sage-grouse displaying on a lek on BLM lands, a bison dropping its calf in Yellowstone, the magic that flows through me at every turn while rafting the Colorado River through the Grand Canyon, and the warmth of sunrise while standing on a cold 14,000 foot peak in the Uncompahgre Wilderness. All of these experiences have stoked a sense of wonder that will no doubt continue for the rest of my life.

Public Lands

Sharing these remarkable experiences with others transcends this love of public lands. I'm inspired by outings with my wife when we're too mesmerized to speak, by researchers who study a single species for a lifetime, or ordinary people who stand for a place forever tethered to heart strings, of folks who work tirelessly to bring kids into the wilderness, National Wildlife Refuge, the forest, mountains, plains and the rest.

Just last week, I was with a Big City Mountaineers group taking five teenage boys into the Flattops Wilderness, a weeklong backpacking trip that will no doubt shape their lives in a powerful way. I thought a lot about my grandchildren on that journey, wondering how the Flattops and this remarkable landscape would shape them.

I intentionally left out advocacy for landscape integrity, functioning ecosystems, climate benefits of intact ecosystems, free-flowing rivers, keeping migration corridors open, the idea and value of wilderness to community and the human psyche, and the need for us to see the west on a landscape scale. I left these things out because this love affair with *our* public lands is a matter of the heart that I hope lasts forever. Protect our public lands.

Dave Showalter

August 8, 2018

Public Lands

Share your public lands story

Public lands are the dominant feature of the landscape, shaping the character of the Wild West! They provide access to hunters, anglers and numerous other recreationists, they yield timber, energy resources and precious metals, they support livestock, they produce much of the water that supports the western human population, they are indispensable. And most of us love them. For many of us, our very identity may be wrapped up in the vast public mountains and deserts of the United States. Many of us spend countless hours recreating and finding spiritual connection among the public lands. And wildlife biologists often devote much of their careers to managing and studying public lands.

The CCTWS just completed a position statement supporting the retention of federal public lands and we are planning a public lands celebration at the 2019 annual meeting. You are invited to contribute a public lands testimonial. Please share your connection to public lands whether professional or personal and email to Patrick Magee! (pmagee@western.edu). Please include a photo of yourself romping in the wild. We will create a collage of public lands' testimonials for the annual meeting. Thanks for helping us advocate for and celebrate our public lands.

This Land Is Your Land **Woody Guthrie**

This land is your land, this land is my land
From California to the New York island
From the Redwood Forest, to the gulf stream waters
This land was made for you and me

As I went walking that ribbon of highway
I saw above me that endless skyway
And saw below me that golden valley
This land was made for you and me

I roamed and rambled and I followed my footsteps
To the sparkling sands of her diamond deserts
And all around me, a voice was sounding
This land was made for you and me



Small Grants Program

CCTWS Small Grants Program Report Megan Jones

I received a Small Grants award from the Colorado Chapter of The Wildlife Society in 2017 to support my doctoral research on how Colorado residents become wildscape gardeners and advocates. Wildscape gardening is the process of creating habitat for wildlife on private properties, mostly in urban areas, and including behaviors like planting native plants and using few or no pesticides and herbicides. For this study I focused on people living on the Colorado Front Range who had participated in two Audubon Rockies programs: their properties were certified as Habitat Heroes properties, and they had received Wildscape Ambassador training to understand how to wildscape garden and advocate for wildscape gardening in their community. I collected data through a combination of semi-structured interviews (n=11), document analysis, and participant observation at Wildscape Ambassador training events, and analysed these data using narrative analysis. I found that wildscape gardening is a multi-year transformation that includes six components: rejecting the traditional lawn; becoming excited about planting wildlife-friendly plants; committing to making a yard that reflects the Colorado landscape and climate; recognizing that paying attention to native birds, insects, and plants is intrinsically rewarding; learning to engage in ongoing adaptive management, aka to garden by “trial and error,”; and sharing these experiences with other people through specific types of messages and interactions so others see that wildscape gardening is rewarding and achievable. So far I’ve been able to share these findings with the wildscape gardeners and Audubon Rockies, with CCTWS at the 2018 Winter Meeting, and at two other conferences. I’m excited to continue with this study, and to explore possible applications to other conservation behaviour change programs.



Conference Announcement

1ST NATIONAL CONFERENCE ON WILDLIFE MANAGEMENT AND CONSERVATION

AMPHIBIANS / REPTILES / BIRDS / MAMMALS
THREATS AND OPPORTUNITIES FOR BIODIVERSITY

Meeting of professionals, managers,
students and general public interested in
the management and conservation of wildlife

**November
13-16, 2018**

San Luis Potosí, Mexico
Convention Center

Postgraduate and
Research Unit
Autonomous
University of
San Luis Potosí

INFORMATION:

<http://www.conferenciafaunasilvestre.com>
informacion@conferenciafaunasilvestre.com



EXECUTIVE COMMITTEE

Luis Antonio Tarango Arámbula Ph. D. - President
(Postgraduate College, Campus S.L.P.)

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(New Mexico State University)
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(Autonomous University of San Luis Potosí)



Conference Announcement



THE WILDLIFE SOCIETY

Leaders in Wildlife Science, Management and Conservation

The Wildlife Society annual conference, set to take place Oct. 7-11 in Cleveland, Ohio, will mark its 25th anniversary and a major milestone for TWS. With an exciting new program structure, the event is poised to have attendees reveling in the achievements of not only the wildlife profession, but of the collective natural resources community. Don't miss out on your chance to **experience TWS live!**

Discounted hotel rooms are limited, and will sell out well in advance of the conference, so attendees are encouraged to book now! **Workshop** and **field trip** spots will also fill up quickly and are available on a first-come, first-served basis. Visit **twconference.org/register** for rates and additional information.

The Wildlife Society 25th Annual Conference **BE THERE OR BE SQUARE**



The March to Cleveland is on...still time to join your colleagues (Sue Flood Photography)

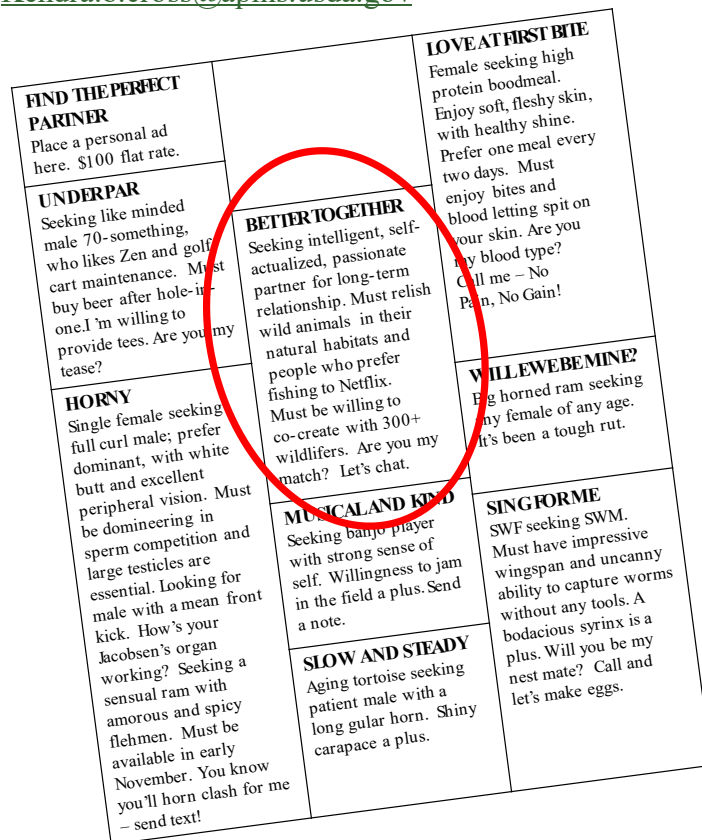
CCTWS Sponsorship

PARTNERSHIP

CCTWS is actively cultivating partnerships and seeking sponsors to help further the great work we're doing to benefit wildlife and wildlife professionals in Colorado. New partnerships help connect wildlife professionals with the agencies, institutions, companies and non-profits and the products and services they deliver. These connections also facilitate our partners' great work for wildlife in Colorado.

We have opportunities for partners to advertise in our newsletter and on our webpage or Facebook page as well as have a presence at our annual meeting. We'd like to explore a mutually beneficial relationship with your organization to further wildlife conservation in Colorado.

If you're interested in participating in a new partnership opportunity or if you have ideas about potential partnerships, contact Patrick Magee! at 970-641-3959 or pmagee@western.edu; or Kendra Cross at 303-328-9048 or Kendra.b.cross@aphis.usda.gov



Board Members

CCTWS Board – September 2018

Officers

President: Patrick Magee!

E-mail Contact

pmagee@western.edu

Past-President: Tony Gurzick

tony-gurzick@hotmail.com or tony.gurzick@state.co.us

President-Elect: Krysten Zummo-Strong

kzummo11@gmail.com

Treasurer: Nathan Seward

Nathan.seward@state.co.us

Secretary: Chase Taylor

cataylormade@gmail.com

Executive Board: Regional

NE Representative: Kendra Cross

Kendra.B.Cross@aphis.usda.gov

NW Representative: Stephanie Durno

stephanie.durno@state.co.us

SE Representative: April Estep

April.estep@state.co.us

SW Representative: Aran Johnson

ajohnson@southernute-nsn.gov

Executive Board: At-Large

Andrew Don Carlos

awdc@lamar.colostate.edu

John Hughes

john_hughes@fws.gov

Chris Mettenbrink

chris.mettenbrink@state.co.us

Marcella Fremgen

Marcella.fremgen@co.usda.gov

Committees and Chairs, Sept. 2018

Committee	Chair	Chair Contact
Standing Committees		
Conservation and Land Use Review	Randy Ghormley	rghormley@fs.fed.us
Information and Education	Joel Humphries	jhumphries@blm.gov
Annual Meeting Program	CCTWS Board	pmagee@western.edu
Finance and Fund Raising (Auction)	Rachel Brubaker	rlbrubak@gmail.com
Audit	Vacant	
Legislative Review	Vacant	
Wildlife Management	Vacant	
Newsletter	Aran Johnson Greg Davidson	ajohnson@southernute-nsn.gov greg@finditdetectiondogs.com
Nomination/elections	Krysten Zummo Strong	Kzummo11@gmail.com
Policy/Resolutions	Krysten Zummo Strong	Kzummo11@gmail.com
Professional Awards	Michelle Cowardin	Michelle.cowardin@state.co.us
Student Awards	Jesse McCarty	jmccarty@fs.fed.us
Membership	Mindy Rice	rice1min@gmail.com
Ad Hoc Committees		
Certification	Rob Schorr	rschorr@lamar.colostate.edu
Historian	Dangoule Bockus	Dangoule_bockus@nps.gov
Photographer	Max Canestorp	Kmax1350@mesanetworks.net
Small Grants and Travel Grants	Chris Mettenbrink	Chris.mettenbrink@state.co.us
Web Page, Social Media (Marketing)	Aleshia Fremgen	Aleshia.fremgen@westernalum.org
Professional Development Programs	Vacant	
Student Affairs and Mentoring	Vacant	
Representatives		
CSU Student Chapter	Charlee Manguso Liaison: Andrew Don Carlos Advisor: Larissa Bailey	charlee09@msn.com Andrew.don_carlos@colostate.edu Larissa.bailey@colostate.edu
Western Student Chapter	James Antley Liaison: Nathan Seward Advisor: Pat Magee!	James.antley@western.edu Nathan.seward@state.co.us pmagee@western.edu
CMPS President	Andrea Orabona	Andrea.orabona@wyo.gov
CMPS Representative to TWS	Bob Lanka	Boblanka5839@gmail.com
CCTWS Representative to CMPS	Pat Magee!	pmagee@western.edu

**Are you interested in being more involved with the society?
We currently have openings for 5 committee chairs**

Please contact Patrick Magee! (pmagee@western.edu; 970-641-3959) or any current board member if you have interest in serving as a committee chair.

Membership Update

A friendly reminder to update your membership contact information!!

As some of our members go into retirement, change jobs, or go from being a student to their first job, our emails also tend to change. CCTWS does not have a fancy computer program for our membership database unless you want to count me as fancy, so please remember to send me an email with any updated information, but especially your email address! We value our members and no matter what stage of your career, we want to make sure that you continue to be informed about all CCTWS happenings. You can email updates to Mindy Rice at rice1min@gmail.com.

Thanks,

Your friendly membership chair, Mindy Rice



Membership Application

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: _____		

Mail to: Nathan Seward, Colorado Parks and Wildlife, 300 West New York Ave., Gunnison, CO 81230
Or scan and email to: nathan.seward@state.co.us

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!