

NUTRITIONAL ECOLOGY WORKING GROUP

FALL 2021 NEWSLETTER

VOLUME 3, ISSUE 3



Hello NEWG members and friends,

Fall is upon us, which means the annual meeting of The Wildlife Society is approaching. This year's TWS meeting will be held virtually during the first week of November and our bi-annual meeting will be held in conjunction with the annual TWS meeting. Importantly, our bi-annual meeting will be when we hold our first elections as a working group and transition from an interim to official board—one of the last steps to ensure Council grants us official status as a working group. We're still looking for candidates for all board positions, so if you are interested, let us know soon. If you have questions for any of our current board members about their experience and the workload involved, please feel free to reach out to twc.nutritional.ecology@gmail.com and we will get you connected with the right person.

Be sure to check out the rest of the newsletter for updates on NEWG activities including our winter webinar series, a TWS working group webinar, additional details on our bi-annual meeting, information on t-shirts, and a list of recent publications in nutritional ecology. As always, if you know of recent publications you'd like to share with the working group, you may share them with us through the NEWG gmail account.

I hope to see you all at our bi-annual meeting in November!

Kristin Denryter

Chair, Nutritional Ecology Working Group

EXECUTIVE BOARD

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Taylor LaSharr

Website, Outreach, Communications

Dan Thompson

Board Members at Large

Rachel Cook

Tom Stephenson

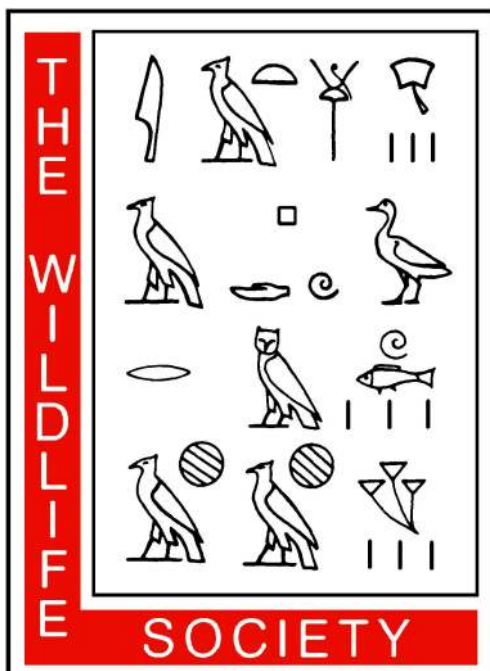


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ANNOUNCEMENTS & UPCOMING EVENTS

Annual Meeting | The bi-annual meeting of the Nutritional Ecology Working Group will occur in conjunction with the national meeting of The Wildlife Society. The tentative date for our meeting is November 5, 2021 from 4-6 pm ET (3-5 pm CT, 2-4 pm MT, 1-3 pm PT, 12-2 pm AT). NEWG members do not need to be registered for the TWS meeting to attend our session, which will be held via Zoom. Once TWS confirms our meeting time and provides a Zoom link, we will share it via email.





NUTRITIONAL ECOLOGY WEBINAR SERIES CONTINUES!

The Wildlife Society's Nutritional Ecology Working Group invites you to participate in a Webinar series over the winter of 2021-2022 (November-March). Webinars will take place the second Wednesday of every month. Webinars will be 1 hour long, and we encourage you to present your current research in nutritional ecology and engage the audience. The unofficial theme of this year's seminars is "the digestive biome and the influence of these organisms on digesting PSM's," though all topics relevant to nutritional ecology are welcome. Format is open, this can be a principal investigator giving an overview of their research, to several graduate students presenting ongoing research for a university lab.

If you're interested in presenting, have suggestions for a presenter, or would like more information, please contact Keith Oster at keith.oster@alaska.gov

JOIN OUR BOARD!

Are you interested in helping the Nutritional Ecology Working Group continue to work toward its mission of advancing the science of nutritional ecology as it pertains to wildlife conservation and management? If so, consider joining the executive board of the NEWG. Nominations (including self-nominations) are open for all board positions, including Chair, Secretary, Treasurer, Newsletter Editor, Outreach, and board members at large. If you are interested in running, please contact Marcus Blum (meblum@nevada.unr.edu) or Tony Carnahan (acarnahan@wsu.edu) on our nominations committee. Elections will be held in November, in conjunction with the national meeting of The Wildlife Society.



NEWG SHIRTS

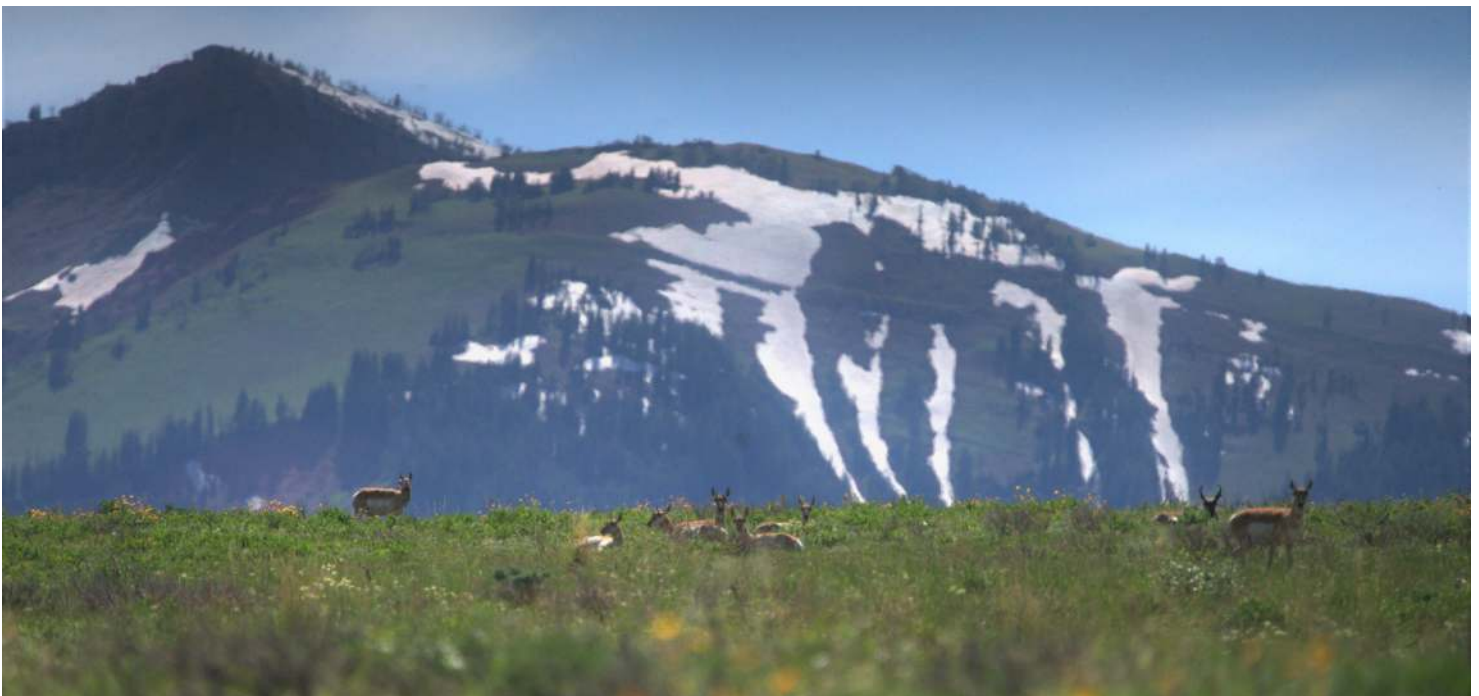
The Nutritional Ecology Working Group will have shirts for sale soon! We will be discussing potential designs and options to purchase them at our biannual meeting this November. The shirts will include our logo, but we will solicit opinions from working group members on placement and colors at the meeting.



TWS WORKING GROUP WEBINAR

Join panelists from the Nutritional Ecology Working Group of The Wildlife Society for a discussion on activities and accomplishments of the NEWG since its inception in 2019. The first panelist will speak about a recent skills workshop developed by NEWG members on measuring forage quality and quantity for herbivores that included a mix of lectures, hands-on exercises in the laboratory and in the field, and interactive group problem solving sessions. The second panelist will speak about efforts of the NEWG to better understand the needs of students, academics, and agency biologists as they pertain to nutritional ecology. We hope you will share with us questions you have regarding wildlife nutrition, so that along with previous efforts, we can determine priorities for the working group moving forward. To register for this webinar visit: <https://wildlife.org/webinars/>.

The webinar will be held Friday, October 1, 2021 2:00—3:00 PM EDT and is entitled, “Understanding and Addressing Needs of Wildlife Professionals through Targeted Discussions and Skills Workshops in Nutritional Ecology”.



RECENT AND RELEVANT LITERATURE

John G. Cook, Alicia P. Kelly, Rachel C. Cook, Brad Culling, Diane Culling, Ashley McLaren, Nicholas C. Larter, and Megan Watters. Seasonal patterns in nutritional condition of caribou (*Rangifer tarandus*) in the southern Northwest Territories and northeastern British Columbia, Canada. *Canadian Journal of Zoology*. e-First <https://doi.org/10.1139/cjz-2021-0057>

Hegland, Stein Joar, et al. "Junipers enable heavily browsed rowan saplings to escape ungulates in boreal forest." *Forest Ecology and Management* 500 (2021): 119651.

Clewley, G. D., et al. "Foraging habitat selection by breeding Herring Gull (*Larus argentatus*) from a declining coastal colony in the United Kingdom." *Estuarine, Coastal and Shelf Science* (2021): 107564.

Schuyler, E. M., et al. "Forage Quality and Quantity in Migratory and Resident Mule Deer Summer Ranges." *Rangeland Ecology & Management* 79 (2021): 43-52.

Priyadarshini, K. V. R., et al. "The reproductive phenology of blackbuck: influence of seasonal nutritional resources and flexible lactation as an adaptive strategy." *Journal of Zoology* (2021).

Romtveit, Lena, et al. "Optimal foraging by a large ungulate in an extreme environment: Wild mountain reindeer select snow-free feeding habitats in winter." *Ecology and Evolution* 11.15 (2021): 10409-10420.

Dwinnell, Samantha PH, et al. "Short-term responses to a human-altered landscape do not affect fat dynamics of a migratory ungulate." *Functional Ecology* (2021).

Proffitt, Kelly M., et al. "Regional variability in pregnancy and survival rates of Rocky Mountain bighorn sheep." *Ecosphere* 12.3 (2021): e03410.

Aikens, Ellen O., et al. "Migration distance and maternal resource allocation determine timing of birth in a large herbivore." *Ecology* 102.6 (2021).

Raboin, Dominique L., Andrea L. Baden, and Jessica M. Rothman. "Maternal feeding benefits of allomaternal care in black-and-white colobus (*Colobus guereza*)." *American journal of primatology*: e23327.

Lindshield, Stacy, et al. "Western chimpanzees (*Pan troglodytes verus*) access a nutritionally balanced, high energy, and abundant food, baobab (*Adansonia digitata*) fruit, with extractive foraging and reingestion." *American Journal of Primatology* 83.9 (2021): e23307.

Jennewein, Jyoti S., et al. "Estimating integrated measures of forage quality for herbivores by fusing optical and structural remote sensing data." *Environmental Research Letters* (2021).

Cook, Rachel C., et al. "Evaluating indices of nutritional condition for caribou (*Rangifer tarandus*): which are the most valuable and why?." *Canadian Journal of Zoology* 99.7 (2021): 596-613.

Heard, Douglas C., and Kathryn L. Zimmerman. "Fall supplemental feeding increases population growth rate of an endangered caribou herd." *PeerJ* 9 (2021).

Johnson, Heather E., et al. "Dynamic selection for forage quality and quantity in response to phenology and insects in an Arctic ungulate." *Ecology and Evolution* (2021).