RM-CESU NEWS & EVENTS

RM-CESU Announces the Annual Competition for Student Award: The Rocky Mountains CESU annually recognizes “above and beyond” accomplishments by student(s) involved in Rocky Mountains Cooperative Ecosystem Studies Unit (RM-CESU) projects. Nominations may be submitted by any representative of the federal agency that sponsored the RM-CESU project, or by the student’s RM-CESU university.

Nominations for Student Award are due July 17, 2019. The Award winner(s) will receive a citation and give a presentation on their project results at annual RM-CESU Fall Meeting. For nomination instructions, go to the RM-CESU web site at Student Award.

Evison Fellowship Awarded to Hunter Cole, Boise State University, for Bat and Insect Project in Grand Teton NP in 2019 The Grand Teton Association (GTA) offers an annual fellowship of up to $10,000/project for graduate studies focused on documenting lesser-known aspects of the Greater Yellowstone Ecosystem--Grand Teton and Yellowstone National Parks, the John D. Rockefeller, Jr. Memorial Parkway, and surrounding lands. The Evison Fellowship encourages scientific and conservation-related research in the Greater Yellowstone Ecosystem. In spring 2019 the fellowship competition was won by Hunter Cole, Boise State University, working with Jesse Barber, his major professor in the Department of Biological Sciences.

Hunter Cole is pursuing an MS in Biology working on bat and insect ecology and the effects of light pollution. The information gained from this field research project, being conducted around the Colter Bay Village in Grand Teton NP, will help park managers better understand how bats and insects are currently interacting with artificial light, as well as how the effects of artificial light can be mitigated. Bats and insects are two ecologically important, at-risk taxa that have been shown to suffer major consequences from the increased use of artificial light. In 2019 the student investigator will monitor bats and insects in different parts of the Colter Bay developed area, and will then change the outdoor lights to red LEDs to see if this lighting can mitigate the effects of artificial light on bat and insects habitat use.

For more information on click on the Evison Fellowship.
Glacier National Park Conservancy – Jerry O’Neal Research Fellowships Awarded to Three Graduate Students to Work in Glacier NP this Summer

The Rocky Mountains CESU, Glacier National Park, Crown of the Continent Research Learning Center and the Glacier National Park Conservancy announced the selection of three graduate students who received 2019 Glacier National Park Conservancy - Jerry O’Neal Research Fellowships for work in Glacier NP in the areas of ecology and social science during summer 2019.

The three Graduate Students who received awards include:

- Erik Peterson, Washington State University, Ph.D. Candidate, with a dissertation proposal titled: “Grizzly bear use of army cutworm moth aggregations in Glacier National Park, Montana”
- Benjamin Johnson, Iowa State University, Ph.D. Candidate, with a dissertation proposal titled: “Antipredator Behavior and Physiological Stress in a Human-Impacted Landscape of Fear”
- Blake Harms, Boise State University, MA Candidate in Communications, with a thesis proposal titled: “How Social Capital is built through Dialogic Moments”

Erik Peterson, Washington State University, will investigate how grizzly bears feed on moth populations found in talus fields at high elevations in Glacier National Park (GLAC). Grizzly bear use of modeled habitat will be evaluated using aerial and ground surveys to record bears using moth aggregations. Moth abundance at aggregations will be determined by digging into talus and counting moths. The researchers will also collect grizzly bear hair samples, which often line the floor of moth digs, and will compare these to an existing library of hair samples collected in the park.

Benjamin Johnson, Iowa State University, plans field work in summer 2019 to focus on a suite of behavioral and physiological indicators of stress and fear in the bighorn sheep of Glacier National Park, related to intrinsic characteristics of each individual sheep and extrinsic environmental factors (including those of anthropogenic origin). This will be a unique study of bighorn sheep where the researchers will use the measurement of stress hormones in scat to examine the relationship between behavioral and physiological indices of stress.

Blake Harms, Boise State University, will be working with "internal" audiences in Glacier NP (GLAC) to answer questions related to communications between NPS staff and managers on the east and west sides of the park. The GLAC management team is interested in having the student evaluate their effectiveness in working internally as park to fulfill the NPS mission. The proposed study aims to examine how dialogue among organizational participants generates social capital, and how that social capital is used within GLAC as they seek to address challenging problems facing the park. He will use semi-structured interviews as a means of understanding GLAC staff experiences.
The Crown of the Continent Research Learning Center (CCRLC), in collaboration with the Rocky Mountain CESU and with support from the Glacier National Park Conservancy (GNPC), created the Glacier National Park Conservancy—Jerry O’Neal Research Fellowship to promote research in Glacier National Park, Grant-Kohrs Ranch National Historic Site, and Little Bighorn Battlefield National Monument. Most student applicants come from Rocky Mountains CESU schools, but in 2019 the competition was opened to other colleges and universities. More information about the fellowship can be found at the CCRLC website. For information about research needs promoted by the Conservancy, go to the GNPC website.

Glacier and Waterton Lakes National Parks will Highlight natural and cultural resource project results during Science and History Day, July 23, 2019: This annual event sponsored by the Peace Park will take place on Tuesday, July 23, 2019 at the St. Mary Visitor Center in Glacier National Park (this is the first time that this event will be held on the east side of Glacier NP). The event begins at 9:30 a.m. and ends at 3:30 p.m. Detailed information and a schedule of speakers coming soon. Go to the website in July to see the list of speakers. This event is free and open to the public. Attendees are encouraged to bring a sack lunch to enjoy during the one hour break. For more information, contact the Crown of the Continent Research Learning Center at 406-888-7863. Other popular science activities sponsored by the Crown of the Continent Research Learning Center are Bioblitzs, including a Noxious Weed Blitz on July 18, 2019 and Alpine Bird Blitz on July 19, 2019. Details of these two volunteer events can be found at this calendar.

CALENDAR:

September 9-12, 2019: 15th Biennial Conference of Science & Management on the Colorado Plateau & Southwest Region, Flagstaff, AZ. The Colorado Plateau, Desert Southwest and Rocky Mountains will be holding a Joint CESU Meeting, as well as individual business meetings on Monday, September 9th. Stay tuned for more details.

September 13-14, 2019: Whitebark Pine Ecosystem Foundation Annual Science and Management Meeting, Salish Kootenai College, Montana. This region-wide meeting brings together researchers, managers, students and enthusiasts of Whitebark Pine and related high-elevation forested ecosystems of the Northern Rocky Mountains in both the United States and Canada. The program includes a day of science, management, and cultural presentations about Whitebark Pine and an additional day for a field trip visiting high elevation forests and Whitebark Pine on the lands of the Confederated Salish & Kootenai Tribes.

September 29-October 3, 2019: The 26th Wildlife Society Annual Conference, Reno, NV. The Wildlife Society’s Annual Conference is one of the largest gatherings of wildlife professionals, students and supporters in North America. For more than 20 years, TWS has hosted this unique and informative event that provides more than 900 educational opportunities and more than 40 networking opportunities through working groups, meetings and receptions.

October 23-26, 2019: The 2019 National Wilderness Workshop, Bend Oregon. The conferences/workshops provide a great way for stewardship groups around the country to connect with each other and with key wilderness specialists in the federal land management agencies.

November 18-22, 2019: 8th International Fire Ecology and Management Congress, Tucson, AZ. This conference hosted by the Association for Fire Ecology in cooperation with the Southwest Fire Science Consortium, will redefine the ecological concept of pyrodiversity to explore cross-cutting issues across a variety of disciplines.
**JOB OPPORTUNITIES**

For details, visit [Job Opportunities](#)

Postdoctoral Research Associate – Center on American Politics, University of Denver, Denver, CO (screening begins 11/1/2019)

Assistant to Associate Professor in Plant Pathology, Colorado State University, Fort Collins, CO (screening begins 9/3/2019)

Ecosystem Modeler – National Resource Ecology Laboratory, Colorado State University, Fort Collins, CO (closes 7/22/2019)

Environmental Compliance Specialist – Schofield Barracks, HI, Center for Environmental Management of Military Lands, Colorado State University, Fort Collins, CO (Closes 7/8/2019)

Project Archaeology Public Educations Coordinator, Montana State University, Bozeman, MT (screening begins 7/8/2019)

Natural/Cultural Resources Specialist – San Antonio, TX, Center for Environmental Management of Military Lands, Colorado State University, Fort Collins, CO (Closes 7/8/2019)

Lecturer in Environment & Sustainability, Western Colorado University, Gunnison, CO (screening begins 7/1/2019)

Plant Physiologist Assistant Professor, Utah State University, Logan, UT (Posted June 20, 2019)

Department Head – Wildland Resources, Utah State University, Logan, UT (Posted June 4, 2019)

Assistant Professor of Wildland Ecology and Management, Utah State University Eastern, Price, UT (Posted May 25, 2019)

If you would like to post an announcement in the next RM-CESU Newsletter or on the website, please contact the RM-CESU Coordinator at rmcesu@cfc.umt.edu.