RM-CESU NEWS & EVENTS

Jerry O’Neal National Park Service Student Fellowship
Applications are now being accepted for the Jerry O’Neal Fellowship for work in Glacier National Park, Grant-Kohrs Ranch NHS, and Little Bighorn Battlefield NM. The fellowship aims to provide educational assistance for students seeking to understand natural and cultural resources issues and how these interact with human values. Special consideration will be given to proposals that address the following:

1. natural resource issues such as aquatic ecology, terrestrial ecology, fire ecology, invasive plants, and climate change
2. cultural resource issues, such as history and architectural studies, cultural landscape reports, ethnographic research and archeology
3. social science that informs resource management about a natural or cultural topic and/or that addresses visitor impacts to park resources

Competition is open to graduate students or superior upper division undergraduate students at RM-CESU universities and colleges only. Awards range from $1000-4000. Applications must be submitted electronically by February 14, 2014. For details on the application process please visit [http://www.cfc.umt.edu/cesu/files/Announcements/ONeal_announcement_14.pdf](http://www.cfc.umt.edu/cesu/files/Announcements/ONeal_announcement_14.pdf)

Boyd Evison Student Fellowship for research in the Greater Yellowstone
The Grand Teton Association and Grand Teton National Park offer a graduate fellowship of up to $10,000/project for graduate studies focused on documenting the almost intangible and disappearing aspects of the Greater Yellowstone Ecosystem, including Grand Teton and Yellowstone National Parks, the John D. Rockefeller, Jr., Memorial Parkway, and other public or private lands. Emphasis areas are lesser-known ecosystem elements such as air and water; geologic or other processes; plants, insects, reptiles, or amphibians, fungi; natural soundscapes; and social science related to public understanding of natural resources and their use or management.

Graduate students pursuing either a Master’s or Doctoral degree are invited to submit proposals on the application form by February 14, 2014. [http://www.cfc.umt.edu/cesu/files/Announcements/Evison%20Fellowship%20Call%202014.pdf](http://www.cfc.umt.edu/cesu/files/Announcements/Evison%20Fellowship%20Call%202014.pdf)
PARTNER NEWS & EVENTS

Announcements:

**University of Colorado Boulder**: New CU-Boulder study shows differences in mammal responses to climate change. If you were a shrew snuffling around a North American forest, you would be 27 times less likely to respond to climate change than if you were a moose grazing nearby.

That is just one of the findings of a new University of Colorado Boulder assessment led by Assistant Professor Christy McCain that looked at more than 1,000 different scientific studies on North American mammal responses to human-caused climate change. The CU-Boulder team eventually selected 140 scientific papers containing population responses from 73 North American mammal species for their analysis. Read more at: [http://www.colorado.edu/news/releases/2014/01/22/new-cu-boulder-study-shows-differences-mammal-responses-climate-change#sthash.ugALNYYu.dpuf](http://www.colorado.edu/news/releases/2014/01/22/new-cu-boulder-study-shows-differences-mammal-responses-climate-change#sthash.ugALNYYu.dpuf)

**University of Montana**: UM Study Finds Wolf Predation of Cattle Affects Calf Weight in Montana. A recent study by University of Montana faculty and graduate students found that wolf predation of cattle contributes to lower weight gain in calves on western Montana ranches. This leads to an economic loss at sale several times higher than the direct reimbursement ranchers receive for a cow killed by wolves. Read more at: [http://news.umt.edu/011614wolf.aspx](http://news.umt.edu/011614wolf.aspx)

**National Park Service**: Park Science volume 30(2)—Fall 2013 is now available online [http://www.nature.nps.gov/ParkScience/index.cfm?IssueID=34](http://www.nature.nps.gov/ParkScience/index.cfm?IssueID=34)

Calendar of Events:

**February 2-4, 2014**: International Conference on Outdoor Leadership, Salt Lake City, UT. The conference will feature workshops centered on the WEA curriculum’s educational components, research and program symposiums, a keynote address about current issues facing outdoor leaders, and a celebration of 50 Years of the Wilderness Act. [http://www.weainfo.org/2014-conference](http://www.weainfo.org/2014-conference)

**February 19-20, 2014**: Eighth Montana Plant Conservation Conference, Montana State University, Bozeman, MT. The first day will be a symposium on plant pollination. Topics will include: effects of fragmentation on pollinators, phenology of pollinators and their plants, generalist versus specialist pollinators, invasive plants and pollinator communities, and effects of prescribed fire on pollinators. In addition, there will be a pollinator identification workshop. The second day will be devoted to reviewing the status of Montana Natural Heritage Program species of concern and nominations for Important Plant Area designation. [http://www.mtnativeplants.org/Montana%20Plant%20Conservation%20Conference](http://www.mtnativeplants.org/Montana%20Plant%20Conservation%20Conference)


**March 26-29, 2014**: 85th Annual Conference of the Northwest Scientific Association, University of Montana, Missoula, MT. This conference is jointly hosted with the UM College of Forestry & Conservation - Distinguished Plum Creek Lecture Series. Together we will explore The Future of Forests & Forest Management: Change, Uncertainty, & Adaptation. [http://www.northwestscience.org/2013reg](http://www.northwestscience.org/2013reg)

**July 13-16, 2014**: 2nd North America Congress for Conservation Biology, Missoula, MT. The biennial NACCB provides a forum for presenting and discussing new research and developments in conservation science and practice for addressing today’s conservation challenges. In addition, these conferences connect our regional community of conservation professionals and serve as a major networking outlet for people interested in North America conservation. Conference is hosted by North America Section of the Society for Conservation Biology, Montana [http://www.northamericacongress.org/](http://www.northamericacongress.org/)

September 17-20, 2014: This Land Is Your Land: Toward a Better Understanding of Nature’s Resiliency-Building and Restorative Power for Armed Forces Personnel, Veterans, and their Families, University of Utah, Salt Lake City, UT. This symposium will bring together a variety of individuals and organizations dedicated to providing nature-based resiliency-building and restorative experiences for Armed Forces personnel, veterans, and their families. Delegates will include scientists researching the resiliency-building and restorative power of nature-based experiences, representatives from a cross section of organizations providing nature-based outings, and interested others from across the allied health professions.  https://www.regonline.com/builder/site/Default.aspx?EventID=1357234

October 5-9, 2014: Pathways 2014 Conference: Integrating Human Dimensions into Fish and Wildlife Management, Estes Park, CO. Pathways is the premier scientific meeting for academic and government researchers, students, agency scientists, land managers, NGO representatives, and other individuals who are interested in the human dimensions of fish and wildlife management issues. The theme this year is Common Futures. http://www.hdfwconference.org/

TRAINING AND COURSE OPPORTUNITIES

Human-side of Restoration Webinar Series: Sticky legal issues surrounding restoration (offered by Rocky Mountain Research Station)  Join us on Tuesday, February 4th from 10:30-12:00 (Mountain) for Sticky legal issues surrounding restoration: Navigating adaptive management and cumulative effects analysis to satisfy legal requirements and address stakeholder concerns. This will be the second dynamic webinar for the Human-Side of Restoration Webinar Series. This month’s focus is on the political landscape of ecological restoration, including legal mandates for agencies, within-agency politics, and challenges with NEPA compliance as evidenced by case-law. Our distinguished guest speakers, Courtney Schultz (Assistant Professor in Forestry at Colorado State University) and David Seesholtz (Research Liaison for the Pacific Northwest Region of the Forest Service), both have hands-on experience with natural resource planning and adaptive management.  http://www.fs.fed.us/rmrs/events/#human-restoration

STUDENT OPPORTUNITIES

2014 Selway-Bitterroot Frank Church Wilderness Ranger Internship  The Selway-Bitterroot Frank Church Foundation, in partnership with the U.S. Forest Service and Montana Conservation Corps, will be offering a minimum of six Wilderness Ranger Internship positions in the Selway-Bitterroot and Frank Church-River of No Return Wilderness areas during the summer of 2014 for students enrolled in wilderness management, recreation management or natural resource management academic programs. Application deadline is February 21, 2014.  http://www.selwaybitterroot.org/wp-content/uploads/WildernessRangerInternship2014.pdf

Two Research Fellowship Programs offer Funding for Research in Alaska National Parks  Two fellowship programs offer up to $8,000 for multiple fellows to conduct research projects in subarctic and arctic national parks, for use over one or two years. The fellowships are most appropriate for graduate students, but others may apply. Deadline for applications is February 15, 2014.  Discover Denali Fellowship Program is for work in or near Denali National Park and Preserve. Murie Science and Learning Center Fellowship Program is for work in one or more of the following parks: Denali, Bering Land Bridge, Cape Krusenstern, Gates of the Arctic, Kobuk Valley, Noatak, Wrangell-St. Elias, Yukon-Charley. An information guide about the fellowships, which includes specifics on how to apply and other information helpful to the application process, may be downloaded...
from www.nps.gov/rlc/murie/research-fellowships.htm. For more information contact Denali’s Research Administrator Lucy Tyrrell at 907-683-6352 or lucy_tyrrell@nps.gov.

Donald G. Willems Scholarship, named for an eminent Montana water professional, is sponsored by the Montana Section of the American Water Works Association, the professional organization of the drinking-water industry. Any Montana university student planning a career in a water field is eligible. Deadline to apply is March 15, 2014. Application information is available from the MTAWWA website: http://www.montana-awwa.org/

Grand Teton National Park Summer Resources Internship Announcement 2014 (Two positions available)
(1) Water resources intern: Rising temperatures and changes in seasonal cycles of the streams and rivers in the Greater Yellowstone Ecosystem are likely to result in decreasing snowpacks and glaciers, earlier snowmelt, and lower base flows in dry months. The withdrawal of water for irrigation exacerbates these effects, resulting in further reduction in streamflow and rising stream temperatures, which affects hydrology and native trout fisheries. Grand Teton NP has many irrigation ditches and diversion structures associated with rights to use waters of the Snake and Gros Ventre Rivers. We need an intern to:
• complete mapping and documentation of ditches and add to the park's water rights database,
• research and draft a set of best management practices as a guide for ditch operators, and
• assist with projects to improve stewardship of water resources, including thermal springs.

The water resource intern should have a background in hydrology, watershed or fisheries management, or related field. Some knowledge of GIS and GPS functionality is desirable, including experience with data management and spatial databases. This position involves considerable outdoors work, requiring candidates to be comfortable with fieldwork, hiking off-trail in forested terrain as well as in sagebrush grasslands.

(2) Museum intern: Grand Teton’s museum collection contains an array of natural and cultural history specimens, from historic furniture and photographs to an extensive herbarium collection and a large and growing archives. A major focus of recent museum work has been on the David T. Vernon Collection of American Indian Art and Artifacts. Many of the 1,400 objects in this collection, which include objects associated with more than 100 tribes, have undergone recent conservation treatment, and several hundred objects are on display in two park visitor centers, where park rangers interpret the objects and the collection’s history to thousands of visitors each year. The park seeks an intern to:
• do research and documentation on the history of the collection, which at one time was much larger and which was split in the mid-20th century
• assist with interpretation through a variety of means, from personal talks and programs to the development of newer interpretive media using new technology, and
• assist with care of the collection, learning monitoring and pest prevention techniques and other museum object conservation techniques and practices.

The museum intern should have a background in museum studies and/or anthropology, ethnology, or American Indian studies. Diverse applicants are encouraged to apply.

All applicants must be U.S. citizens and a student in the spring 2014 or summer 2014 semesters and be continuing in an academic program during the fall 2014 semester. Applicants should be able to work independently once provided direction and training. A current driver's license and good driving record are also necessary.

Housing for these (8- to 10-week) positions will be provided at the University of Wyoming-National Park Service Research Center, located at the historic AMK Ranch on the shore of Jackson Lake in view of the beautiful Teton Range. A $2,500 stipend will also be provided. Start and end dates are flexible but are expected to be sometime between mid-May and early September, 2014.
How to apply: Interested students should submit a resume, names and contact information for three references, their expected graduation date, and a short statement of interest and skills related to the internship(s) with Grand Teton National Park and the John D. Rockefeller Parkway via email to: (1) kathryn_mellander@nps.gov (307-739-3493) or (2) Bridgette_guild@nps.gov (307-739-3493) by 5:00 PM (MST) on February 28, 2014. Applications will be reviewed as soon as they are received so early application is encouraged.

JOB OPPORTUNITIES

Wetland Ecology Technician (several positions), Center for Environmental Management of Military Lands (CEMML), Fort Wainwright and Donnelly Training Area, AK (open until filled)

Fuels Crew Technicians (4-6 positions), Center for Environmental Management of Military Lands (CEMML), Fort Wainwright, AK (closes 3/16/2014)

Assistant Professor – Hydrogeologist, Geological Sciences, University of Idaho, Moscow, ID (closes 3/15/2014)

Professor and Head of the Department of Plant Sciences, University of Wyoming, Laramie, WY (screening begins 3/15/2014)

Fisheries Technician (2-4 seasonal positions), Center for Environmental Management of Military Lands (CEMML), Joint Base Elmendorf-Richardson, AK (closes 3/10/2014)

Seasonal Wildlife (Avian) Technician, Center for Environmental Management of Military Lands (CEMML), Joint Base Elmendorf-Richardson, AK (closes 3/3/2014)

Forest Field Technicians (2 seasonal positions), Center for Environmental Management of Military Lands (CEMML), Fort Wainwright, AK (closes 3/3/2014)

Ecology Field Technicians (at Lake Mead National Recreation Area), Colorado Natural Heritage Program, Colorado State University, Fort Collins, CO (closes 2/28/2014)

Forest Management Division Supervisor, Colorado State Forest Service, Fort Collins, CO (closes 2/18/2014)

Assistant Professor - Silviculture and Forest Vegetation Management, Department of Forest and Rangeland Stewardship, Colorado State University, Fort Collins, CO (closes 2/16/2014)

Fish and Wildlife Technician (four seasonal positions), Center for Environmental Management of Military Lands (CEMML), Fairbanks, AK (closes 2/15/2014)

Cropping Systems Specialist - Extension Faculty, Plant, Soil and Entomological Sciences - Plant Sciences South Division, University of Idaho (closes 2/14/2014)

Assistant Professor Fish Ecology and Management, Department of Watershed Sciences, Utah State University, Logan, UT (screening begins 2/12/2014)

Natural Resource or Environmental Economist, Montana Institute on Ecosystems, Montana State University, Bozeman, MT (screening begins 2/10/2014)

Director of Development, Warner College of Natural Resources, Colorado State University, Fort Collins, CO (closes 2/9/2014)
Vegetation Mapping Technician, Center for Environmental Management of Military Lands (CEMML), Fort Collins, CO (closes 3/7/2014)

Communications Manager, Department of Anthropology, Colorado State University, Fort Collins, CO (closes 2/5/2014)

Spatial Social Scientist, Department of Geography, University of Idaho, Moscow, ID (screening begins 2/3/2014)

For details on job opportunities visit http://www.cfc.umt.edu/cesu/Postings/Jobs.php

MEETINGS OF INTEREST


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.