

Center for ENVS & MEM Newsletter

Friday, July 14, 2017



Overlooking the town of Pitkin.



## MEM Faculty/Staff Retreat

MEM faculty were hard at work during an all day retreat to plan the future of MEM. Lot's of exciting things in the works, amazing collaborations, and discussions tackling difficult issues. Thank you to Dr. Hausdoerffer for hosting us.

**A heads up, all MEM faculty will be moving over to the library during the Kelley addition construction.**

### Western's MEM Alumni and Current Students:

Share your project, share potential projects, ask questions and make connections! Have awesome job opportunities posted or share your post-graduation journey [here!](#) We are all here to help each other. Make sure you follow us on [Facebook](#).

### MEM Housing Options:

To any MEM student who is still looking for a place to live, please post your available apartments/housing in the Gunnison Valley to the [MEM Student Housing Exchange](#) Facebook page for new incoming MEM students. A good place to check is also the [Gunnison Market Place](#) group or the [Gunnison Shopper](#).

### Events:

**July 13-16. [Cattlemen's Day celebration](#)**, in it's 117 year. This year promises the same kind of boot-stomping entertainment that Gunnison pioneers enjoyed—but on a grander scale. Bull riding, barrel racing and the best cowboys and cowgirls—hold on to your hat for the Valley's finest tradition.

## *Events and Items of Interest:*

**NWF EcoLeader Graduate Student Fellowship Opportunities:** In Spring 2014, National Wildlife Federation launched the EcoLeaders Program to help students and young professionals develop sustainability leadership skills and secure great jobs that help the planet. The EcoLeaders leadership and career development program advances a proven model of leadership for sustainability. It draws on the lessons learned over nearly three decades supporting thousands of sustainability projects at more than 2,000 colleges and universities across the U.S. and world through NWF's Campus Ecology, Greenforce, and other programs. Go [here](#) to learn more and apply!

**Summer Immersion Tropical Farm Retreat:** There are two different opportunities: JUNE 5 - 10: Summer Immersion, a week-long program focusing on gardening, eco-living, and an introduction to permaculture. And AUG 17 - SEP 30: Fall Living Internship, a 6-week course including field projects, community living, and hands-on learning in areas including beekeeping, mycology, agroforestry, intuitive nutrition, leadership and activism, and Hawaiian culture and plant medicine. This is a great opportunity for students to gain skills before farming themselves, or simply gain more exposure to permaculture and holistic living. More info [here](#).

**Summer Conservation Course:** The Smithsonian Conservation Biology Institute's Center for Conservation and Sustainability conducts research and monitoring to study, understand, predict and integrate biodiversity conservation needs with development priorities of large infrastructure projects striving to be leaders in their areas of operation. The CCS Biodiversity Action Plan Course focuses on implementing best practices in biodiversity management for the private sector. This course will be from **August 7-11th** in Virginia. Go [here](#) for the application process!

**14th Biennial Conference of Science & Management on the Colorado Plateau & Southwest Region.** Theme: Interdisciplinary Approaches & Solutions for Conserving the Southwest's Land, Water, Biodiversity & Cultures **September 11-14, 2017**. High Country Conference Center · Flagstaff, Arizona

**Registration NOW Open:** Thanks to our generous sponsors, the planning committee was able to avoid increasing the conference registration fees. Early registration fees will be as follows: \$275 professionals (Before September 1); \$125 single day, graduate students, retired professionals; and \$50 undergraduate students. As in the past, registration includes light morning refreshments, lunch, breaks, and two receptions. <https://nau.edu/merriam-powell/biennial-conference/registration/>

Please submit a paper to **7th Annual International Conference on Sustainable Energy and Environmental Sciences (SEES 2018)** which will be held on 29<sup>th</sup> - 30<sup>th</sup> January 2018 in Singapore. SEES 2017 provided a forum and opportunity for delegates from 23 individual universities and 16 countries to share their research findings, practice and educational initiatives with an international audience. You may visit the following link for accepted and published papers from previous SEES conferences <http://www.env-energy.org/PriorYearsPaper.html>. The full paper submission deadline is on **30<sup>th</sup> August 2017**. If you need additional time, **please email us at [secretariat@env-energy.org](mailto:secretariat@env-energy.org)**. For more information, please visit the **SEES 2018** website: <http://www.env-energy.org/index.html>. Would appreciate if you could disseminate this information to your colleagues/students who might be interested to participate in the conference.

**The National Environmental Policy Act Course:** This course from **November 2-3rd** consists of approximately 12.5 hours of continuing education, including 1 hour of ethics. You must let us know, at least 45 days in advance of the conference, the states or organizations for which you will need credit (see registration form). Credit hours for states will vary and are subject to each state's approval and credit rounding rules. Foundation conferences are typically accredited by all mandatory CLE states and Canadian provinces, the AAPL, NADOA and NALTA, and other professional organizations. Attorneys from certain states may be required to pay an additional fee. The Foundation is a State Bar of California MCLE-approved provider. Register [here](#) for the class.

### *Internships/Fellowships:*

**Program:** The Data Incubator is an intensive 8 week fellowship that prepares masters students, PhDs, and postdocs in STEM and social science fields seeking industry careers as data scientists. The program is free for Fellows and supported by sponsorships from hundreds of employers across multiple industries. In response to the overwhelming interest in our earlier sessions, we will be holding another fellowship.

**Who Should Apply:** Anyone who has already obtained a masters or PhD degree or who is within one year of graduating with a masters or PhD is welcome to apply. Applications from international students are welcome. Everyone else is encouraged to [sign-up for a future session](#).

**Locations:** In addition to the below in-person locations, we will have a remote *online* session:

- New York City, San Francisco Bay Area, Seattle, Boston, Washington, DC.

**Dates:** All sections will be from 2017-09-11 to 2017-11-03.

**Application Link:** <https://www.thedataincubator.com/fellowship.html#apply?ref=wYm1vcMfuQHdlc3Rlcm4uZWw1>

**Data Science in 30 minutes:** Learn how to build a data-science project in our upcoming [free Data Science in 30 -minutes webcast](#). Signup soon as space is limited.

**Learn More:** You can learn about our fellows at [The New York Times](#), [LinkedIn](#), [Amazon](#), [Capital One](#), or [Palantir](#). To read about our latest fellow alumni, check out our [blog](#). To learn more about The Data Incubator, check us out on [Venture Beat](#), [The Next Web](#), or [Harvard Business Review](#).

### *Possible Student Project:*

Currently homes in the old Irwin townsite are required to have leach field and not permitted to install incinerating facilities for human waste. Do leach fields produce more pollution than an incinerating toilet? Investigating these techniques, and the consequences associated with each could be a project that would not only benefit the community, but also the headwaters. Contact Amy Honan ([ahonan@western.edu](mailto:ahonan@western.edu)) for more info (she works in the biology department).



Butch Clark pointing out some cranes flying overhead during the Coldharbour MidSummers Eve event.

## ***Soil Health Research Assistant***

Intern will assist with both field soil sampling and lab testing. Field work will take place in August and September and consist of collecting soil core samples and running soil infiltration tests in sagebrush pastures used for cattle grazing. Long days of exposed field work with moderate hiking can be expected. Experience with basic data collection desired (using a GPS unit, following established protocols, flexibility and adaptability, etc). Lab work will run from the end of the field season through the end of the fall semester and consist of assisting with soil ignition testing. More specifically intern will assist with preparing samples (grinding, sieving, weighing and drying samples), initiating testing (operating lab furnace), and recording results (post-ignition mass). Attention to detail, ability to follow directions, and reliable punctuality desired as testing is highly time-dependent. Hours will vary over the course of the internship, with more hours required (15-20) during the field season, and fewer (5-10) during lab work. Opportunities may exist to assist with planned analyses, develop further analyses, or assist with literature research. If you are interested, please contact Jake Courkamp at [jacob.courkamp@western.edu](mailto:jacob.courkamp@western.edu).

## ***Jobs:***

### **Montezuma Land Conservancy Executive Director Montezuma Land Conservancy (Cortez, CO)**

Position Type: Permanent/Full-Time Practice Area(s): Alternative Career/JD Advantage, Environmental/Natural Resources, Land Use, Real Estate, Water Law Geographic Preference: Colorado-Western/Durango Description: Executive Director, Montezuma Land Conservancy  
Cortez, CO

DEADLINE: JULY 15TH OR UNTIL FILLED

Montezuma Land Conservancy is seeking an accomplished and passionate leader to implement its strategic vision in land protection and community engagement in Cortez, Colorado. The successful candidate will have proven ability in private land conservation, strategic planning, management, and program planning. A genuine passion for farm and ranch protection in rural communities is required. Proven success in fundraising also highly desired.

Montezuma Land Conservancy is located in Cortez, Colorado. MLC has been conserving local lands since 1998 and holds 86 conservation easements that protect over 44,000 acres across three counties. Two years ago, MLC expanded its scope into community conservation, which will be a primary program growth area in the years to come.

#### Components

Board of Directors (10%) . Staff Leadership (20%) Finance and Organizational Oversight (15%) Development (20%) Acts as the "face of the organization" to major donors and the community at large. Oversees and conducts major donor  
Land Protection: (35%)

Responsible for all stages of transaction due diligence. Requirements: Bachelor's degree (masters preferred) and at least 7 years of experience in one or more of the following areas: non-profit administration, planning, natural resource management, law, and/or direct land trust experience. Dedication to MLC's mission and an attachment to the southwest landscape. Proven track record in grant writing and fundraising. Excellent oral and written communication skills. Expertise in Windows, Microsoft Office, Quickbooks, GIS. Familiarity with Salesforce and Constant Contact. Salary,

Salary range is from \$55,000+ commensurate with experience. Benefits include: Health insurance, 20 days paid vacation, sick leave, matching SIMPLE-IRA, Sabbatical Policy, and Flexible Work Schedule.

#### How to Apply:

To apply, send Resume, Cover Letter, and three professional references to [info@montezumaland.org](mailto:info@montezumaland.org) with the subject line, 'Executive Director Job Application' by July 15, 2017.

CDC ID# 15162 Desired Class Level: JD Alumni 6+ years Posting Date: June 22, 2017 Expiration Date: July 15, 2017 Contact: HR Cortez, Colorado United States Resume Receipt: E-mail Default email for resumes.: [in-fo@montezumalandconservancy.org](mailto:info@montezumalandconservancy.org) Additional Documents: Cover Letter ID: 15162

## *Volunteer Opportunities:*

### **2017 AEE International Conference Volunteer Opportunities**

**We are currently seeking volunteers for the 45th International Conference!**

Click on a volunteer title for more information:

[Ask an Expert](#)

[Attendee and Partnership Recruitment](#) (Earn complimentary access to AEE events!)

[Conference Ambassador](#)

[Graphic Design](#)

[Local Host Committee Opportunities](#)

[Silent Auction Committee](#)

AEE has created a number of new volunteer opportunities for this year's conference. Please take a look at the roles that interest you and contact Devon Binder if you are interested in not only supporting the AEE conference, but in connecting with other members, sharing news ideas and learning new skills.

Contact [devon@ae.org](mailto:devon@ae.org)/303-946-2522 with questions.

***Mountain Root's Volunteer Opportunities:*** There's a lot of work to be done in our community gardens and we need all the help we can get! Here's our permanent summer workday schedule:

Bill's Park Giving Garden (14th & Georgia)- Sundays 4-6 and Tuesdays 12-2

Cottonwood Community Garden (12th & Gothic)- Sundays 12-2 and Wednesdays 4-6

Gunnison School Garden- Mondays 12-2 and Thursdays 4-6

Crested Butte School Garden- Tuesdays 4-6 and Fridays 9-11 Happy growing.

Thank you to our colleagues from the seven campuses of the [Resilience Studies Consortium](#) for three powerful days at Western--envisioning how to connect students of place-based sustainability programs from across the country!



## *Job Links:*

[Program Manager, Office of Knowledge Enterprise Development, Arizona State University, Tempe](#)

[Environmental Outreach Specialist, Arizona Department of Environmental Quality, Phoenix, Arizona](#)

[Executive Director, Sedona Recycles, Inc., Sedona, Arizona](#)

[Sustainability Manager, Wholesum Family Farms, Inc., Nogales, Arizona](#)

[Arizona Water Projects Administrative Coordinator, The Nature Conservancy, Phoenix, Arizona](#)

[Coastal Climate and Resilience Specialist, South Carolina Sea Grant Consortium/ Carolinas Integrated Sciences and Assessments, University of South Carolina, Charleston](#)

[Environmental Scientist III, Local Hazardous Waste Management Program, King County, Seattle, Washington](#)

[Marine and Freshwater \(Estuaries and Wetlands\) Projects Coordinator, Zoological Society of London, London, UK](#)

[Visiting Assistant Professor, Department of Atmospheric and Oceanic Sciences, University of Wisconsin, Madison](#)

[Institutional Funding and Partnerships Director, WaterAid, London, UK](#)

[Research Fellow in Urban Flood Resilience, Engineering and Physical Sciences Research Council, School of Civil Engineering, University of Leeds, Leeds, UK](#)

[Executive Director, Friends of the Verde River Greenway, Cottonwood, Arizona](#)

[Nutrition Program Coordinator, Community Services - Kid Zone Nutrition Program, Tempe, Arizona](#)

[Neighborhood and Family Services Director, Alliance for Innovation, Avondale, Arizona](#)

[Certification Specialist, Midwest Organic Services Association, Viroqua, Wisconsin](#)

[President and CEO, Arizona Forward Association](#)