Center for ENVS & MEM Newsletter

Friday March 31st, 2017

MEM Student of the Week: MJ Pickett is originally from New York but prior to moving to Gunnison, she called Nevada home for 6 years. She chose the MEM program because of it's focus on community resiliency and integrating graduate work within the community through their Master's projects. She is currently helping Mountain Roots Food Project design and building their community farm to increase production in the valley and provide more locally and sustainably grown food to the community while also providing hands-on experiences and skill training. She loves to grow her own food, she owns Calder Farm with her husband, and is hoping to help build local and regional food infrastructure in any way she can. Hopefully, that means staying in the Valley after graduation.

She will be co-teaching a new summer ENVS special topics course called, "Food Systems: Theory and Practice", where students will have the chance to explore aspects of their food system, including growing their own food, policy, ethics, marketing, and taking an in-depth look at what they eat. "It should be pretty fun with only two hours a week in the classroom and the rest of class hours will be spent in the Chipeta Garden, at the Gunnison Farmers' Market, interacting with different distribution channels, and a field trip to other local farms" she says.



Publicizing of Professor John Hausdoerffer's Essay: Professor John Hausdoerffer just published <u>a wonderful essay</u> about ancestral connections on the Center for Humans and Nature website. The Center for Humans and Nature in Chicago is an organization that explores and challenges ideas about who we are as humans and how we ought to relate to each other and the whole community of life. They do this by posing big-picture questions, and Professor Hausdoerffer's essay is a response to their recent question: "What kind of ancestor do you want to be?" He writes about the important role that manoominike (ricing) plays in connecting the Anishinaabe people to the land and to generations past and future. Then he turns the question on himself, "What is my rice?"

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. Also, check out this page for Management Students in the field.

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 <u>MEM Student Housing Exchange</u> Facebook page for new incoming MEM students. A good place to check is also the <u>Gunnison Market Place</u> group or the <u>Gunnison Shopper</u>.



Summer Courses:

The Mountain Resiliency course: will now do a tour this summer of Colorado sustainability options, rather than the expensive trip to the Himalayas from May 8th-19th. All you have to pay for is tuition and food--ENVS is covering vans and travel! ContactBrandon.mcnamara@western.edu.

Food Systems Course: As mentioned on the first page, for those of you interested in sustainable food options, there is a new course called Food Systems: Theory and Practice.

Energy Summer Course: For those of you with above a 3.0 (you don't need to be in the Honors Program for this one) look into the summer course on Energy in the West. See attachment provided.

Chicago and Olympia Courses: For those of you interested in taking a course based in Chicago or Olympia, check out these two courses: Writing Urban Nature and Neoliberalism in the Neighborhood, as they are part of a unique partnership our program built between ENVS programs across the country.

Online Course: For those of you interested in a systems thinking course, here is one available online.

Events and Items of Interest:

ENVS Spring Symposium: Against All Odds: Strategies for improbable success— on **April 10-11th**, the Center for Environment and Sustainability invites you to join us to examine environmental strategies for tough times, including a number of regional examples of overcoming the odds on behalf of human communities and mother earth. More info on attachment

ENVS Scholarships: Deadline for ENVS under graduate scholarships for the 2017-18 academic year is **April 15th**. For more information, visit the Environment and Sustainability site. Recently added, Michael and Kathleen Aune have generously provide funding for an endowed scholarship in Environment & Sustainability. The scholarship provides assistance to students majoring in Environment & Sustainability with a preferred emphasis in Headwaters Studies!

UPDATED Test Opening: The International Society of Sustainability Professionals (ISSP) is extending the ISSP-SA Test Season by two months. Registration will now remain open **through April 8th**, while exams can be scheduled through **April 22nd**.

Peak Protector Training Session: Here is a <u>link</u> to the website with details about the project! See attachment to the right for more details on the training and another in the attachment link.



Spring Environmental Symposium: Coming **April 10-11th!** All ENVS courses will require your attendance, as it is an exciting community event for our program. This year's topic is "Against All Odds: Strategies for Improbable Success." Our keynote speaker (7 PM on April 10) is Eryn Wise, a leader from the Standing Rock struggle against DAPL: Eryn Wise is and Organizer for Honor the Earth, and the Media Coordinator for Sacred Stone Camp and the International Indigenous Youth Council. She is Jicarilla Apache and Laguna Pueblo, currently living in Minneapolis, MN fighting Dakota Access Pipeline and Line 3 after five months in Standing Rock, ND. Her work is done in homage to her foremothers and ancestors. She is a human being, just like you.

Earth Day Volunteers Needed: Coldharbour Institute will be hosting an Earth Day celebration event and is looking for volunteers who are interested in leading activities. The event is scheduled for April 22nd from 11-2pm at Coldharbour Ranch and is open to any and all who would like to have fun learning about wetland habitats, trout ecology, and the environmental resources offered in the Gunnison Valley. Fishing lessons will be held throughout the day, but we are looking for volunteers to help run other activity stations for participants to learn more about the local environment. If you are interested in running activities or sharing a project you are working on, please contact Megan Anthony at megan.anthony@western.edu for further details.

Public Lands Partnership Graduate Committee Position: They need to fill a Education position on the Adaptive Management Group going forward. Public Lands Partnership is providing the public outreach for the recently approved EIS for the SBEADMAR Project. They were hoping a graduate student from the college that is connected with the Environmental Management Program would be interested in serving on this committee yet to be convened. The SBEADMR Working Group met for two years during the NEPA process for this project. Going forward they have agreed that a newly formed Adaptive Management Group would meet four times per year and one of those meetings would be the Annual SBEADMR Meeting. All meetings will be held in Montrose centrally located to the seven counties located with in the GMUG boundary. More info can be found here.

Regenerative Future Summit: May 15th-17th in Boulder, CO, this is where you will be able to engage with the thought leaders who are defining the regenerative future, participate in interactive plenary sessions, shape the forward dialogue in facilitated breakout sessions, and craft the strategies, the narratives and movements for an Economy in Service to Life. Buy ticket or find out more information about it here on their <u>site</u>.

Master Student Business Cards: Through B&B printers, you can develop your own card, separate from Western, with a cost of \$60.00 for 250 cards. However, if you want to use the Western Template, then it will only be \$32.00 for 250 cards. Using the Western Template is the most cost efficient, and recommended. Email mcasteel-denney@western.edu to get the template. You will need to do this on your own by filling out the template attached and sending it to creativeimages970@gmail.com. In the email, you will need to say you are a MEM student, will be using the Western template, and will be paying for it yourselves.

2017 Environmental Leader Conference: From **June 5-7, 2017** at the Hyatt Regency Center in Denver, the Environmental Leader Conference, featuring the Energy Manager Summit, offers a unique opportunity for environmental, sustainability and energy professionals to come together to identify new areas of opportunity to work more collaboratively in addressing their organizations goals. Unlike other conferences, this program unites a group of multidisciplinary, forward-thinking executives to share diverse perspectives and approaches to improving processes and better managing resources. Engage with the industrial and commercial organizations leading the way and go back to your organization with actionable steps to improving sustainability performance and reducing negative social and environmental impact. More info found here.



Youth Conservation Camp in South Fork Volunteer: The camp is June 20-22 and is for kids ages 8-13. Right now, they have a need for people with experience in agriculture and range management to do a couple of activities in those topic areas. If you might be interested in volunteering your time with their campers, Bethany Howell, the Executive Director, would like to discuss with you further! (719)-480-4864.

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.

Regenerative Future Summit: May 15th-17th in Boulder, CO, The Regenerative Future Summit is the first of its kind. Three hundred thought leaders, and change-makers like you will reframe "the economy." The #RFSummit17 is part of a series of international meetings held previously in Paris, Germany and New York in which business leaders, scientists, faith leaders, scholars and people like you framed the principles of an economy in service to life. Now it's time to make it real. Get your tickets here today!

AASHE's Sustainability, Diversity, Equity and Inclusion Workshop: Discover how you can help close the opportunity gap, connect diversity and sustainability initiatives on campus, create community partnerships and more through the Sustainability, Diversity, Equity and Inclusion Workshop on **June 28 - 30th.** Go here to register!

MEM Student on TV: Anna Drexler-Dreis was brought onto Good Morning Grand County to talk a little bit about Trout Unlimited and more, check out these <u>two broadcastings</u> of her!

MEM Student on KBUT: MEMer Jacob Courkamp on KBUT discusses sustainable ranching, collaboration with the MEM, climate change, carbon sequestration, and more here!

Open MEM Projects:

Are you looking for an MEM project? Defender's of Wildlife is interested in working with you! Check out these opportunities and let Ryan Wilbur (rwilbur@defenders.org) know if you want more information.

1. **Beaver Relocation Work:** Defenders has started a beaver relocation program where we take "nuisance" beavers, usually from urban settings, live-trap them and release them in areas where their ecosystem engineering will benefit other species. We are focused specifically on creating/enhancing habitat for species listed under the ESA, and other key groups that Defenders focuses on such as freshwater fishes, freshwater mussels, amphibians, and migratory shorebirds. There are a lot of potential research projects that could coincide with the relocation work. One obvious study would be a before/after comparison at several release sites, looking at some biotic (e.g. aquatic invertebrate diversity/composition, amphibian diversity) or abiotic response (e.g. water chemistry, depth, turbidity etc) to beaver reintroduction. We know that beaver have a huge impact on the local ecosystem, and having some studies that quantify what those changes are, and how they benefit other species, would be wonderful. I'm open to just about any other suggestions for projects, as long as they are in the same theme.



- 2. **Wolf depredation modeling for Colorado**: This project is looking at preparing people and management for wolves to come to Colorado. We would like to try to predict wolf-livestock conflict hot spots throughout Colorado. This would help us target areas of high risk where we should begin conversations about coexistence programs.
- 3. Rancher perceptions of wolves and coexistence programs in Colorado: This project would entail interviews or focus groups with ranchers to talk about wolf conservation. More specifically, the questions would be about perceptions of wolves and potential coexistence measures. If multiple people are interested in social science we could use this relatively same frame work for hunters/sportsman as well.

Internships/Fellowships:

Eldorado National Forest Intern Opportunities: Looking to gain experience in recreation management or outdoor interpretation? Want to have fun working in a beautiful mountain environment close to Lake Tahoe? Eldorado National Forest might have something for you! The Pacific Ranger District, Eldorado National Forest, is looking to accept 3 interns through the Student Conservation Association. These opportunities will fulfill internship requirements for college university recreation & natural resource programs, will give incumbents a great variety of experience in recreation and outdoor interpretation that could potentially lead to seasonal employment, and provide an experience of a lifetime! Check out the following positions: Recreation Intern, Wrights Lake (deadline for this is TODAY), Recreation Intern, Crystal Basin (Deadline to apply is also TODAY).

10-week Wilderness Ranger Internship: The Boulder Ranger District is recruiting applicants for Wilderness Ranger internship positions for the summer of 2017. The primary duty is to conduct patrols in the Indian Peaks and James Peak Wilderness areas. Ideal applicants have experience in the outdoors, are passionate about the stewardship of wild lands, and interested in a career in natural resource management. Interns will receive training and education in Wilderness management from an inter-disciplinary, field-based perspective. This is a volunteer position that is sponsored by the Indian Peaks Wilderness Alliance and includes a \$1,200 stipend for a 10-week commitment from June 3 August 11, 2017. Apply today for an opportunity to experience Colorado Wilderness firsthand. More info on attachment. Deadline to apply is April 15th..

Powderhorn Creek Ranch Summer Internship: Cindi West, has a HUGE opportunity for one of our ENVS or MEM students (Undergrad or Graduate) to work on the Powderhorn Creek Ranch, a 135 Acre ranch located 30 minutes southwest of Gunnison off CR-25, she has two big projects this year. Here's a brief description of her two projects: The first project, is a work-related project focused on holistic land management, grazing strategies, and organic sustainable practices. Work would entail developing strategies to become more resilient to climate change. The second project, is a water management project related to the development of a newly found water spring on the ranch, work would entail water conservation practices and strategic water use planning to fully utilize this newly found resource. It is a PAID internship (\$\$\$), and you get to stay in "sunny-Gunni" for the summer! Have students with questions call Cindi West for the direct contact @ (970) 641-5644

Vega State Park Internship: During this Park Operations Internship, the intern will be working with Park Rangers, Park Resource Technicians, Visitor Services/Revenue Staff, Park Interpreters, and Volunteers. Interns will assist with daily operations including, but not limited to: Patrol of Vega State Park campgrounds, picnic area, trails and backcountry, and enforcement of state park and wildlife laws and regulations (Title 33), assist park visitors, collect revenue, work in entrance stations and visitor center, write reports, keep daily logs, monitor natural resources, trail maintenance and construction, and remove fallen or dangerous trees from trail corridors, maintenance of park facilities, cabins, grounds, vehicles, and equipment. Start date for this position is in May. You can find more information on this in the attachment provided.



Climate Organizer Internship: This is an international non-profit founded by former Vice President Al Gore and they are currently offering internships to undergraduate students. This Fall they are working to get college campuses to commit to 100% renewable electricity by 2030. The application can be found here. It takes about 10 seconds to fill out. A major part of their work is providing the resources and skills trainings students will need to make a difference on this issue and any other that they care about.

Water Policy Intern: Last summer, the Pacific Institute launched its Congressman George Miller Water Policy Leadership Program, which annually supports two water policy interns. This program was established to honor the long service of Congressman George Miller to his country, and his legendary dedication and historical accomplishments around sustainable solutions to Western U.S. water policy reform. Congressman Miller served in the U.S. House of Representatives from 1975 to 2015, representing California's 11th congressional district. This position is located in Berkeley, CA. Applications are due **April 3rd.** More info can be found here on how to apply.

OTAQ Summer Intern Program: The Office of Transportation and Air Quality is seeking student interns in Ann Arbor, Michigan and Washington, DC. To apply, go here and search for vacancy announcement numbers, see attachment for more details.

Camden Conservation Commission Internship: Description: The primary goal of this internship is to develop an Emerald Ash Borer (EAB) Response Plan for the Town of Camden. The EAB, an invasive wood boring (Buprestid) beetle from Asia, was first discovered in North America in 2002 in the Detroit Michigan area. Apply by April 14th for this position! More info on attachment.

CCC Internship: Description: Camden Harbor is one of the prettiest harbors in Maine and also has one of the poorest water qualities, as judged by enterococcal bacterial counts. The Camden Conservation Commission (CCC) is a group of seven highly-motivated individuals who want to improve environmental stewardship in Camden through public education, innovative projects and new ordinances, where necessary. Apply by **April 21st** for this position! More info on attachment.

Water Policy Intern: Last summer, the Pacific Institute launched its Congressman George Miller Water Policy Leadership Program, which annually supports two water policy interns. This program was established to honor the long service of Congressman George Miller to his country, and his legendary dedication and historical accomplishments around sustainable solutions to Western U.S. water policy reform. Congressman Miller served in the U.S. House of Representatives from 1975 to 2015, representing California's 11th congressional district. This position is located in Berkeley, CA. Applications are due **April 3rd.** More info can be found here on how to apply.

The Colorado Mountain Club Foundation Fellowships: Since 1982 The Colorado Mountain Club Foundation has awarded fellowships for research consistent with the statement of purpose adopted by the founders of the Colorado Mountain Club in 1912: To unite the energy, interest, and knowledge of the students, explorers, and lovers of the mountains of Colorado, etc. Grants are made to individuals only, for research under the direction of a faculty member of an institution of higher learning. Applications found here must be sent by April 15th to Paula Cushing at Paula. Cushing@dmns.org or mailed to The Colorado Mountain Club Foundation, c/o Paula Cushing, Department of Zoology, Denver Museum of Nature & Science, 2001 Colorado Blvd., Denver, CO 80205. The faculty sponsor must submit a letter under separate cover in support of the student and the proposed research. More info can be found here.



Summer Data Science Fellowship Opportunity: 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. Anyone should apply 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. In addition to the following in-person locations, they will have a remote online session: New York City, San Francisco Bay Area, Seattle, Boston, and Washington, DC. All sections will be from June 19th-August 11th. To apply, follow this link.

Put a Price on It Campaign Fellowship: Our Climate, a national organization that mobilizes millennials to advocate for climate policies, in partnership with Citizens' Climate Lobby (CCL), invites students to apply to the "Put a Price on It" campaign for their Summer, Fall, and Spring fellowship programs. Put a Price on It is a nation wide campaign focused on passing fair and effective carbon pricing policy at the state and national levels. Fellows work with Our Climate and CCL staff to start campus chapters, rally public support for a national and state carbon pricing policy, and engage directly with elected officials. Through respectful and creative education and civic engagement, "Put a Price on It" seeks to advance carbon pricing policy and empower the next generation of climate leaders. Apply here for it by May 1st.

Full/Part Time Positions:

<u>Conservation Job Board</u> is a great place to search or current environmental jobs, internships, and even volunteer work all across the country so check it out!

AmeriCorps Outdoor Work: For those of you looking to do outdoor environmental work in Gunnison and looking to earn an AmeriCorps award, check out Western Conservation Corps and please contact Dr. Hausdoerffer immediately. A great resume builder!

Executive Director Position for Growhaus: The CEO/Executive Director provides overall leadership and management to support the vision and mission of The GrowHaus. The organization is located in northeast Denver, has an operating budget of over \$1 million, and a staff of 25 dedicated professionals. It is currently in the beginning stages of implementing a five-year strategic plan, and will be undertaking a significant capital campaign to complete renovations of the current facility. Duties include working with the Board of Directors to establish the vision and strategic direction of The GrowHaus, working with The GrowHaus' directors to implement the strategic plan,, working to develop the resources and operational capacity to deliver on that plan, and overseeing the financial management of the organization. More info about position can be found on attachment. Deadline to apply is TODAY March 31st.

Post Carbon looking for Comms Director: Post Carbon Institute is a small but highly influential sustainability think tank that provides individuals and communities with the resources needed to understand and respond to the interrelated ecological, economic, energy, and equity crises of the 21st century. They are looking for someone with the unique combination of experience, subject matter expertise, passion, and personality to lead the organization's various communications, marketing, outreach, and audience growth efforts. Apply **by April 7th** for this position! More information can be found here.

Gunnison Trails Executive Director Position: Right here in Gunnison! Limited information available on the position but contact (970) 642-4940 if you are interested in the position.



WCC Crew Member Position: This is a field-based position with Western Conservation Corps. Corps members camp and serve in the backcountry of Western Colorado. Corps members earn a weekly stipend, plus food and lodging when required to camp at a project site. Career training takes place primarily in a backcountry setting and involves building and maintaining trail fences, invasive species removal, and habitat restoration. More info about this position can be found on attachment.

Assistant Crew Leader Position: Assistant Crew Leaders will help lead a crew of 6-10 youth, 16-25 years old, with an assistant crew leader in a ten-week service session. The position also requires preparation time and post session clean up. Must hold members accountable and not engage in any prohibited activities as listed in the AmeriCorps Member Service Agreement. More info on this position can be found on attachment.

WCC Crew Leader Position: Crew Leaders will lead a crew of 6-10 youth, 16-25 years old, with an assistant crew leader in a ten-week service session. The position required participation time and post session clean up. Must hold members accountable and not engage in any prohibited activities as listed in the AmeriCorps Member Service Agreement. More info on this position can be found on attachment.

USA Jobs in Gunnison: Take a look at these positions found on USA jobs, some close soon!

Gunnison Valley Housing Foundation Executive Director: The Foundation, a Colorado nonprofit, tax-exempt 501(c)(3) corporation, seeks a self-directed part-time Executive Director (ED), ideally with experience in the area of facilitating the availability of affordable housing for low and middle-income individuals and families. They are looking for an individual with at least an undergraduate college degree who is self- directed and at ease, a masters degree is preferred. The ideal candidate will be experienced with nonprofit organizational development and management. Apply by April 14th for this position! Email jim@starrattorneys.com to apply. Go here for more information.

Sustainability Engagement Coordinator Position: This individual will support University at Buffalo's sustainability initiatives through collaboration, leadership and partnering throughout the campus community. The position will specifically work to connect students, staff and faculty across the university with information, innovation, and tools to reduce UB's footprint on the future and enhance quality of life by improving environmental stewardship, increasing economic efficiency and augmenting cultural values and awareness. More info about the position can be found here! Position must be filled ASAP.

Great Basin Institute Careers: The Great Basin Institute is an interdisciplinary field studies or ganization that promotes environmental research, education, and conservation throughout the West. The Institute advances ecological literacy and habitat restoration through educational outreach and direct service programs. Our goal as an organization is to do good science and inform land-use decisions through collaborative agreements with state and federal agencies. We partner with AmeriCorps so that recent college graduates can enter into careers as techs that would otherwise be extremely hard to come by. According to past and present employees, coordinators and tech leads from GBI have generally moved on to exciting careers in the conservation field thanks to the awesome training, support, networking, and experience that they gained by working for GBI. Find awesome positions with them here!

Avid4 Adventure Summer Positions: Avid4 Adventure is a great summer job and internship source for both undergrad and graduate students and they are hiring instructors! Work outside, play outside, join an incredible community of educators, and inspire kids – all in one summer! Outside Magazine has voted Avid4 as one of their 'Best Places to Work.' Check out why staff love working for Avid4 Adventure, available positions, and how to apply here.



Some Job Links:

AmeriCorps VISTA - Ending Hunger Team, Phoenix, Arizona

Conservation Intern Positions, Montana Conservation Corps

Manager, Economic Development, Local Initiatives Support Corporation, Phoenix, Arizona

Stewardship Program Manager, Tillamook, Tillamook, Oregon

Veterans Green Corps Crew Member, Montana Conservation Corps

Postdoctoral Research Associate, Climate Futures Initiative in Science, Values, and Policy, Princeton University, Princeton, New Jersey Deadline is April 3rd.

Climate Scientist, Union of Concerned Scientists, Washington, D.C. Deadline is April 3rd.

Summer Internship, Congressman George Miller Water Policy Leadership Program, Pacific Institute, Oakland, California Deadline is April 3rd.

Program Development Officer - Asia, WaterAid America, New York, NY Deadline is April 7th

<u>Citizen Science Post-doctoral Fellow/Web Developer/Ecological Information Specialist, Colorado State University, Fort Collins, CO</u> **Deadline is April 17th.**

Program Officer - Publishing, International Center on Small Hydro Power, Hangzhou, China Deadline is April 30th

Assistant Director, California Product Stewardship Council, Sacramento, CA

Part-time Swarovski Waterschool Educator, Lewis & Clark Community College, Godfrey, Illinois

<u>Program Assistant, Devens Eco-Efficiency Center,</u> Devens, MA

For more positions, visit <u>Arizona State University's</u> <u>Sustainability Digest page</u>.

Pictured to the right is MEM student Mitch Warnick with wilderness historian Roderick Frazier Nash shortly after Mitch finished his Master's Project on a wilderness character study for the Fossil Ridge Wilderness Area.





Grants Manager, WaterAid, Ghana

Hydrology Technician, West Coast Regional Council, Greymouth, New Zealand

Associate Academic Officer, United Nations University, Bonn, Germany

Associate Vice President for Water & Sustainability, Office of the Provost, Fresno State University, Fresno, California

Field Associate, Ecova, Seattle, Washington

Senior Program Coordinator, Ecova, Seattle, Washington







Learning about Sri Lankan sustainable local food... MEM style! Professors Armstrong, Thode and Young during spring break.