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1. Internship with UM’s Global Partners Program. Apply by November 30.
2. Sundog Permastead in Potomac offers internship.

Jobs (mainly local or summer jobs; for full time jobs around the US, see the envirojobs list serv)
1. Garden City Harvest seeks a Youth Harvest Project Manager.
2. Montana State Parks Americorps is now hiring. Applications accepted through December 4.

Funding Sources
2. **NASA Earth and Space Science Fellowship (NESSF) Program.** Apply by February 1.

**Resources (websites, publications and other organizations of interest)**

1. ASUM Transportation offers monthly email newsletter.
2. UM Library open video recording studio.
3. Free climate change teaching tools.

**Miscellaneous (social events, videos, and anything else that may be of interest)**

1. DIY workshops on beer-making, cider pressing, and gift making at MUD. Starts November 9.
2. Jeanette Rankin Peace Center holds pint night. November 11.
3. 2016 Ballot measure to require a Renewable Portfolio Standard of 80%.

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**GOOD NEWS ITEM**

1. **President Obama rejects Keystone XL Pipeline.**
   Ending a process that has lingered for much of his time in the Oval Office, President Obama announced Friday that the U.S. has rejected TransCanada's application for a permit to complete the Keystone XL pipeline. The President said that "after extensive public outreach" and consultations, the State Department determined that the proposal "would not serve the national interests of the United States." He added, "I agree with that decision."
   Get more details in the full NPR story online.

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**AROUND EVST**

1. **Faith and Climate Change panel.** November 16.
   Why should people of faith be engaged in climate action? How to can people of faith make a difference? The panel includes EVST faculty Len Broberg, who will be attending the UN climate change negotiations in Paris, and Dan Spencer, co-author of Earth Ethics. This event is free and open to all. For more information, please email Abby Huset or John Lund.
   WHEN: Monday, November 16, at 7 p.m.
   WHERE: UM's University Center Theater, third floor.

2. **Congratulations to Nick Triolo, current EVST Grad student, on growing publication record.**
   Congratulations to current EVST grad student, Nick Triolo, on his growing publication record! Read his publications, and see videos, appearing this semester (so far!): September 4 - "Becoming Edible" US National Whitewater Center: Explore, Edition 4; September 29 - "Cold Water," follow-up video to documentary The Crossing; Spring 2015 - "Circumnavigation: The Revolutionary Way"; Summer - Clackamas Literary Review - "The 99 Revolutions" and poem "War Paint"; Nov/Dec Orion "The Place Where you Live" (forthcoming).

3. **Wildlife management film features EVST alum, Seth Wilson.**
   In the early 2000s, grizzly bears and wolves began to expand onto private ranchlands in the Blackfoot Valley. This led to an increase in conflicts, including destroyed beehives, raided garbage bins, killed livestock, and in some cases, direct threats to human safety. Shortly after, the Blackfoot Challenge responded by working with local ranchers to develop solutions. Since 2003, conflicts have declined by 93% in the Blackfoot thanks to an innovative approach to
remove livestock carcasses off the landscape. View this short documentary film (19 minutes), featuring this home-grown, collaborative program. In it, you'll learn about the issues, meet the players involved, see the solutions developed, and discover that through this approach, both wildlife and ranchers win. EVST alum Seth Wilson appears in the film. View "Living with Carnivores" online.

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**FEATURED EVENT** *(See [www.umt.edu/conservationcalendar](http://www.umt.edu/conservationcalendar) for more)*

1. **Northwest Power Plan hearing in Missoula. November 10.**
   
   The Northwest Power and Conservation Council has developed a draft energy plan that will guide critical energy decisions and electricity resources, such as wind and solar power, in the states of Montana, Idaho, Washington and Oregon for the next 20 years. The [Draft Seventh Northwest Power Plan](http://www.umt.edu/conservationcalendar) is available for public comment until December 18th. The final plan will be released in February, 2016. The Montana Environmental Information Center (MEIC), which was started decades ago by EVST students, is calling on citizens to support the plan. More information on the plan and how to send comments may be found on the MEIC website. You can learn more about the plan and give oral comments at the public hearing in Missoula: WHEN: Tuesday, November 10, at 6:30 p.m. WHERE: Double Tree Inn’s Blackfoot Room (just across the river from campus).

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**VOLUNTEER OPPORTUNITIES**

1. **Help restore an area near Rock Creek. November 13.**
   
   Five Valleys Land Trust (FVLT) is looking for volunteers to help spread native plant seeds on their conservation property near Rock Creek’s confluence with the Clark Fork River (about a 20 minute drive from Missoula). Volunteers will meet at 29 Rock Creek Road at 10 a.m. on Friday, November 13. Bring warm clothes and gloves. RSVP via email Jenny at FVLT or call 549-0755.

2. **Climate Action. November 16.**
   
   Blue Skies and other groups will hold a local action as part of Flood the System, the nationwide effort to escalate the U.S. climate movement in the lead-up to next month’s international climate change negotiations. The local Flood the System action will be at noon, at the north end of the Reserve Street bridge over the railroad tracks, on the west side of the street. Participants will wave signs from this high-traffic location above the railroad. For more information, please email Nick. WHEN: Monday, November 16, at noon. WHERE: see above.

3. **Transportation Plan seeks comments and concerns on bicycle/pedestrian issues.**
   
   The Missoula Long Range Transportation Plan (LRTP) will shape the area’s future transportation system. Public engagement is a key component of the LRTP. Your assistance is sought to aid in identifying additional projects or issues not addressed in the previous plan for consideration.
The Interactive Public Open House online allows you to identify your thoughts, concerns, successes and opportunities within the Missoula study area.

4. **November opportunities with Montana Natural History Center.**
   November Visiting Naturalist in the Schools -- Most School Days in November.
   Volunteers assist MNHC naturalists in the classroom while the kids study flowers! [View the November schedule online.](#)
   Secret Science Night Assistance -- Naturalist Trivia Night!
   Volunteers help set up, greet folks, and staff the front doors to let in latecomers.
   Wednesday, November 18, from 7 – 8:30 p.m.
   Saturday Kids' Activity Assistance: Our Wild Raptors!
   Volunteers arrive at MNHC around 1:45 to help with set-up and check-in, and you'll be done by 3:30 at the latest. Saturday, November 21, from 1:45 - 3:30 p.m.
   Calling all Handy-people -- Help us build a stage and a new vivarium for Camo, the snake!
   Camo, the gopher snake, needs a bigger home. MNHC also needs a simple stage for our Evening with a Naturalist program. We will provide the materials and labor, if you would direct the project. This project would need to be finished by November 12.
   Help get MNHC's Grounds Looking Lovely before Winter!
   Raking, sweeping, doing some garden clean-up, and more.

   For more information on any of these opportunities, please email MNHC.

**EDUCATIONAL OPPORTUNITIES**

1. **Conservation Biology Symposium registration discount ends today (November 9).**
   Today (Monday, November 9) is the discounted registration deadline for the Conservation Biology Symposium (to be held November 18 - 20) and you can still present a poster! (The discounted rate is $65 Professionals/ $25 Students.) After that, you can register at the symposium. If you missed the abstract submission deadline, we are still accepting poster submissions up until the day of the symposium.
   We have an exciting line-up of talks, including an evening opening plenary by Keith Aune (Wildlife Conservation Society), a special session in grassland conservation, and a panel discussion on conservation on tribal lands. On Wednesday afternoon, we are also hosting a Science Communications Workshop led by Bebe Crouse (The Nature Conservancy) to help you communicate your science to the general public. Space is limited and filling up fast, so register soon to reserve your spot!
   More detailed symposium information can be found on the ConBio website.

2. **Teleseminar on local food challenge.  November 10.**
   Vicki Robin, fellow author of "Blessing the Hands that Feed Us" and "Your Money Or Your Life" will report on the Ten-Day Local Food Challenge, a global grassroots campaign to encourage people to commit, for 10 days, to eating within 100 miles of home. She will also share the results from the 2014 and 2015 polling they did to understand what it will take to put more local on our plates. Hundreds of people from nearly a dozen countries took on the game. What did they learn? Learn more about this teleseminar and register online.
   WHEN:  Tuesday, November 10, at 6 p.m. MST.

3. **Secretary of State speaks on Climate Change & National Security.  November 10.**
Secretary Kerry will travel to Norfolk, Virginia, to deliver a speech on "Climate Change and National Security" at Old Dominion University. The speech will be open to the press and streamed live on the U.S. Department of State website at 11:30 a.m. EDT.

   The regular monthly meeting of the Missoula Water Quality Advisory Council (WQAC) will include a presentation by the Lolo Watershed Group on their current and planned activities, including a groundwater study and their plans to hire a part-time watershed coordinator. In addition, the WQAC will set a date and time for a tour of the closed Frenchtown pulp mill which is being considered for superfund designation. The public is invited.
   WHEN: Tuesday, November 10, from 7 to 9 p.m.
   WHERE: Missoula Health Department, 301 W. Alder, 2nd floor conference room.

5. Winter is coming...or is it? Climate talk. November 11.
   Winter is coming...or is it? There have been a lot of winter weather guesstimates floating around lately, so come hear the predictions first hand from a climate expert. This talk will focus on the upcoming winter forecast, what that means for Missoula, what it means for the state, and what parts of our climate have and have not changed over the past few decades. This is part of the Clark Fork Coalition's Walk and Talk series. Contact Katie for more information. This event is free and all are welcome to attend.
   WHEN: Wednesday, November 11, from noon to 1 p.m
   WHERE: Clark Fork Coalition office, 140 S. 4th St. W., Missoula.

   The Montana Native Plant Society invites you to come to this double-header and get a glimpse of the past and how our area vegetation has changed. Chris Carlson with Missoula Parks & Recreation will present Vegetation Change in Missoula area Grasslands, 1958-2014 and John Pierce will present Post Lake Missoula Vegetation, a Group Effort. This event is free and open to the public.
   WHEN: Thursday, November 12, at 7 p.m.

   Kaplan Clean Tech, educators in the Photovoltaic (PV) industry, are offering a free Solar PV Mastery training workshop in Helena for Montana residents interested in advancing their skills in this exciting industry. Topics include: System Design, site survey, grounding systems, installing PV modules & grounding systems, and system testing.
   Course begins with the 18-hour online Entry Level Solar PV Training course. Then, you will join other solar industry professionals for the five-day Advanced Solar Photovoltaic live class. Co-sponsors include NorthWestern Energy and state grants.
   For registration information or additional details, email Michael Garraffa or call (646) 723-4512 to reserve a seat. (Limit 5 seats per company.)
   WHEN: Monday, November 30, through Friday, December 4, from 8:30 a.m. to 5:00 p.m.
   WHERE: Helena.

8. Montana Master Naturalist Course offered this spring. Register now.
   Want to learn all about Montana flora and fauna—from conifers to wildflowers, from birds to fish and even insects? Sign up for the Montana Natural History Center’s spring 2016
Montana Master Naturalist Course with MNHC Naturalist Christine Morris! The course runs on Tuesday afternoons from 4-7pm, from February 2 to May 3 (with a week off for UM spring break), with three full-day Saturday field trips. The cost for the course is $395, and some scholarships are available. 3 UM credits available. Call 327-0405 to register or for more information!

INTERNSHIPS

1. Internship with UM’s Global Partners Program. Apply by November 30.
   This unpaid internship is offered for credit and is an excellent opportunity to explore the field of International Education and International Student Services. It will start during the week of January 11, 2016, in preparation to welcome all the incoming international students. It will end April 22. Apply by November 30, 2015; interviews will be that week. The job description is as follows:
   Exciting opportunity to help promote intercultural understanding and have fun doing it!
   The UM Global Partners Program is a peer-mentor program that matches incoming international students with existing UM students. The Programming Intern will support the program coordinator by assisting in program orientation, planning and implementing social events, networking, recruiting, and social media. The intern will gain valuable skills related to programming, cross-cultural communication, and program evaluation, while working with a culturally diverse student population.
   Qualifications: Successful candidate will have: good communication skills, ability to get along with different cultures, professional demeanor, good organizational skills, and a positive attitude; must be comfortable with various forms of social media, such as Facebook. Prior experience in the Global Partners Program is preferred, but not required. Intern should be able to work with minimal guidance. Confidentiality is required. Office experience preferred, but not required. Must be able to work independently, as well as part of a team, and follow directions.
   Apply via email directly to Mary Nellis. Submit your resume, including references, along with a one-page statement of interest.

2. Sundog Permastead in Potomac offers internship.
   Sundog Permastead is a Western Montana homestead on a 40-acre conifer forest, nestled in the Potomac Valley. We strive to create and sustain an earth friendly eco-system based on Permaculture principles. We are looking for a full season commitment, mid-April to mid-October, but month long stays are welcome. We expect interns to work 5 days a week, 6 hours a day (more or less, weather permitting). Housing for the interns will be in the main house with comfortable space in the large workshop to relax, read or watch a movie. We can accommodate vegan/vegetarian diets. Meat eaters are welcome to provide their own protein and have the use of an outdoor grill. A $50.00 deposit is required to secure your spot with us, and will be reimbursed after your first two weeks.
   Details on the internship and application instructions are available on the Sundog Permaculture website.
JOBS (mainly local or summer jobs; for full time jobs around the US, subscribe to the envirojobs list serv by emailing vicki.watson@umontana.edu)

1. Garden City Harvest seeks a Youth Harvest Project Manager.

   The Youth Harvest Project is a therapeutic-based, service-oriented work program for at-risk teenagers. The Youth Harvest Project employs up to twelve youth each growing season to work at a 10-acre sustainable urban farm, a part of Garden City Harvest's operation in Missoula, Montana. In addition to daily farm work, the youth operate a mobile farm stand, serving senior citizens, and work weekly at the Missoula Food Bank. The Youth Harvest Project Manager will function as part of a multi-person farm crew. S/he will teach and lead farm tasks with Youth Harvest participants, community volunteers and college students.

   Application instructions, along with a link to the full job description, are available on GHC's employment webpage.

2. Montana State Parks Americorps is now hiring. Applications accepted through December 4. Available positions include: Bannack State Park near Dillon, Chief Plenty Coups State Park near Pryor, First People’s Buffalo Jump State Park near Great Falls, Lone Pine State Park near Kalispell, Milltown State Park near Missoula, Traveler’s Rest State Park near Lolo, and an MSPA leader in Helena.

   Complete details can be found on the Montana State Parks Americorps webpage, including the mission and work of the program, along with details of open positions and application instructions.

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FUNDING SOURCES


   Humanities Montana's (HM) next grant application deadline is December 20, 2015 for regular (over $1,000), fellowship, and three-year sustaining grants (must have received funding in a prior year to apply in this last grant category). Grant decisions will be made by February 9, 2016. Types of grants available include:

   Regular Grants -- Regular grants provide funding over $1000. More information is available on HM's Regular Grants webpage.

   Opportunity Grants -- Short turn-around grants capped at $1000. More information is available on HM's Opportunity Grants webpage.

   Film & Digital Media Grants -- One-time and multi-year grants for projects based in film, video, web design or other digital media. More information is available on HM's Film and Digital Media Grants webpage.

   Research Fellowships -- Fellowship programs to support research in the humanities relating to Montana and the region. More information is available on HM's Research Fellowships webpage.

2. NASA Earth and Space Science Fellowship (NESSF) Program. Apply by February 1.

   NASA calls for graduate fellowship proposals to the NASA Earth and Space Science Fellowship (NESSF) program for the 2016-2017 academic year. This call for fellowship proposals solicits applications from accredited U.S. universities on behalf of individuals pursuing Master of Science (M.Sc.) or Doctoral (Ph.D.) degrees in Earth and space sciences, or related disciplines. The purpose of NESSF is to ensure continued training of a highly qualified workforce in disciplines needed to achieve NASA’s scientific goals. Awards resulting from this competitive selection will be made in the form of training grants to the respective universities.
The deadline for NEW applications is February 1, 2016.

The NESSF call for proposals and submission instructions are located on the NESSF 16 solicitation index page (click on "Solicitations" then click on "Open Solicitations" then select the "NESSF 16" announcement). Also refer to “Program Specific Questions” and “Frequently Asked Questions” listed under “Other Documents” on the same page. All proposals must be submitted in electronic format only through the NASA NSPIRES system. The faculty advisor has an active role in the submission of the fellowship proposal. To use the NSPIRES system, the faculty advisor, the student, and the university must all register. Extended instructions on how to submit an electronic proposal package are posted on the NESSF 16 solicitation index page listed above. Register on the NSPIRES webpage.

For further information, contact Claire Macaulay, Program Administrator for NESSF Earth Science Research, Telephone: (202) 358-0151, E-mail: claire.i.macaulay@nasa.gov or Dolores Holland, Program Administrator for NESSF Heliophysics Research, Planetary Science Research, and Astrophysics Research, Telephone: (202) 358-0734, E-mail: hq-nessf-Space@nasa.gov.

RESOURCES

1. **ASUM Transportation offers monthly email newsletter.**
   The newsletter will cover topics such as: bus service and route updates; upcoming events and outreach; jobs for new bus drivers and bike ambassadors; safe bicycling information & tips; bicycle resources; and pedestrian safety & resources.
   Sign up for this e-newsletter by emailing Sandy Broadus.

2. **UM Library open video recording studio.**
   The Maureen and Mike Mansfield Library at UM recently launched a new One Button Studio, an automated video-recording facility UM students and employees can use and that requires no previous video production experience.
   Read more on this new studio at UM News.

3. **Free climate change teaching tools.**
   Students watch glaciers melt, dive into the world’s coral reefs, and explore bike share programs all from their tablet! *The Story of Climate Change* is a new, active way of learning through multimedia to connect middle school students beyond pages and vocabulary words into the practical applications of climate science. Each of the six chapters includes informative videos, fun interactive resources, critical thinking activities, as well as review and discussion questions to reinforce unit concepts. Keep students in tune with the latest climate science and research—all for FREE!

   Endorsed by Dr. James E. Hansen, former NASA scientist and current Director of Program on Climate Science, Awareness, and Solutions at Columbia University.

   We also offer a free Teacher’s Guide for download, fully equipped with handy resources to help educators make the most out of every chapter.
MISCELLANEOUS ITEMS AND OTHER FUN EVENTS

1. DIY workshops on beer-making, cider pressing, and gift making at MUD. Starts November 9.
The Missoula Urban Demonstration Project (MUD) for sustainable living was started by EVST student years ago and is still helping people live more sustainably by running a tool library and offering DIY workshops. Check these upcoming events out:
--Beer Brewing with Jared Robinson of Summer Sun Garden & Brew, Missoula's specialty home brewing store. From selecting the right ingredients and beer style to the essential equipment and knowledge you need to succeed, let Jared teach you how to create your own delicious brews! Cost is $10 for MUD members, $20 for non-members. Space is limited; sign up online. Late-comers are welcome.
WHEN: Monday, November 9, from 5 – 7:30 p.m.
WHERE: MUD Central, 1527 Wyoming Street.

Not a beer fan? We’ve got something for you too!
--Cider Pressing and Fermenting with Joshua Lisbon, hard cider extraordinaire. Learn to use the MUD cider press and get a hands-on rundown of how to make your apple juice snappy.
WHEN: Thursday, November 19, from 5:30 – 7:30 p.m.
WHERE: (Check the MUD Workshop website for updates.)
Fair weather: MUD Central, 1527 Wyoming Street.
Foul weather: 2934 S. Third St. W.

-- Build-Your-Own holiday gift workshop coming in December. Watch the MUD workshop webpage for more details.

2. Jeanette Rankin Peace Center holds pint night. November 11.
Join friends of the Jeanette Rankin Peace Center (JRPC) and KettleHouse brewing to support an amazing non-profit, sample quality brews, celebrate Veteran’s Day, and so much more! $0.50 from each pint sold between 5 and 8 p.m. will be donated to JRPC. So, come one, come all, and be sure to check out our Facebook page for more information about the event. If 400+ pints are sold, a bonus of $250 will be donated.
WHEN: Wednesday, November 11, from 5 to 8 p.m.
WHERE: KettleHouse Brewing, Northside Tap Room.

3. 2016 Ballot measure to require a Renewable Portfolio Standard of 80%.
MTcares (Montana Community Affordable Renewable Energy Saves) is a non-partisan organization seeking your support for a 2016 ballot measure to require investor owned utilities to supply 80% of their electricity from renewable energy by 2050. That would be a Renewable Portfolio Standard (RPS) of 80%. 80% clean energy is the level climate scientists say we must reach by 2050 to quell global warming. Montana’s RPS now only requires 15%.
More information and action option are available on the Montana Cares webpage.

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This Newsline prepared by Vicki Watson and Theresa Duncan. Please send any comments here.