Have a safe and fun Spring Break everyone! Newsline returns April 11.

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1. MUD’s Tool Library has new hours starting April 1.
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1. Down the Hatch Fishing Festival. April 9.

GOOD NEWS ITEM
1. Engelfried accepted to Master’s program in Washington.
   Congratulations to Nick Engelfried, MS 2013, who’s been accepted for a Master’s Program in Environmental Education at Western Washington’s North Cascades Institute for Fall 2016. Nick is expanding his toolkit to be an ever more effective agent of environmental change.

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AROUND EVST
1. Last Wild Mercy reading of the year. You don’t want to miss this. March 31.
Chandra Brown is a second-year Master’s student in EVST at UM, and a co-editor of Camas magazine. Chandra works seasonally as a river guide and educator. Her writing is largely compelled by her adventures on and around moving water.

Lauren Smith is a student, writer, field biologist, and also a Camas co-editor. She spends much of her time in remote areas studying birds. Though born and raised in Ohio, Lauren prefers to spend her time in the mountains of the West, where she find inspiration and large rocks to climb.

This is the last Wild Mercy reading for this semester. Come, enjoy the finale.

WHEN: Thursday, March 31, at 7 p.m.

2. **EVST alum is keynote speaker at Wilderness Gathering. April 9 in Hamilton.**

   The Selway Bitterroot Frank Church Wilderness Foundation is having a gathering and fundraiser. The keynote speaker is EVST alum Kylie Paul from Defenders of Wildlife, who will speak on “Citizen Scientists and their Quest for the Holy Hair: Collecting Data on the Wildest Critters in the Bitterroot.” There will also be hors d’oeuvres, desserts, beverages, and a silent auction and raffle. Raffle items include guided fly fishing and rafting trips, a saddle, local handmade items, services, and more.

   WHEN: Saturday, April 9, from 6 - 9 p.m.
   WHERE: Hamilton City Hall Community Room, 223 S. Second Street, Hamilton, Montana.

**FEATURED EVENT** *(See www.umt.edu/conservationcalendar for more)*

1. **Nationally recognized UM professor talks about arms races in animals and people. March 29.**

   Doug Emlen was selected as the 2015 Montana Professor of the Year by the Carnegie Foundation for the Advancement of Teaching, which recognizes the most outstanding undergraduate instructors in the country. Professor Emlen is one of 35 selected nationwide from nearly 400 top nominated professors. His free public lecture will focus on “Extravagant Weapons: The Story Behind Arms Races in Animals and People.” Every animal has a weapon of one sort or another, but the overwhelming majority of weapons stay small. Yet, sprinkled through the tree of life are species where weapons become extreme. Occasionally, human-manufactured weapons also evolve to extremes. Doug Emlen reveals that the same critical conditions trigger arms races in both cases, and the most crucial prerequisite is duels. A journey that begins with biology becomes the story of all weapons, as Emlen discusses beetles and battleships, crabs and the Cold War.

   WHEN: Tuesday, March 29, at 4 p.m.
   WHERE: UM’s University Center Ballroom (3rd floor).

**VOLUNTEER OPPORTUNITIES**

1. **Wilderness and Health: Brown Bag Lunch Presentation and Discussion. March 29.**

   Please join the Wilderness Institute in welcoming Josh Norris, Director of the Adventure Leadership Institute at Oregon State University. Josh will explore the top five reasons you should spend more time in wild places. We will take a look at some of the biological and physical benefits associated with spending time in natural spaces. Coffee and cookies will be provided.

   WHEN: Tuesday, March 29, noon.
WHERE: UC, room 215.

2. **Interested in local agricultural protection and enrichment opportunities? Meeting March 29.**
   At the direction of the Missoula County Commissioners, the Community and Planning Services department will be hosting a gathering of individuals and organization interested in the voluntary agricultural protection and enrichment opportunities such as incubator farms, conservation development models, clustering incentives, and other options. Please RSVP to Missoula county caps@missoulacounty.us
   WHEN: Tuesday, March 29, at 6 p.m.
   WHERE: City Council Chambers, Missoula.

3. **Community Service Panel. March 31.**
   Our local Peace Corps rep (who happens to be an EVST alum) will present a Community Service Panel, with representatives from several local organizations that provide volunteer opportunities, local or global. Contact Peter at peacecorps@mso.umt.edu.
   WHEN: Thursday, March 31, from 5:30 - 7 p.m.
   WHERE: JRPC Community Room.

4. **Help Fish, Wildlife & Parks provide better data. Take the survey before March 31.**
   Montana Fish Wildlife & Parks is asking those interested in accessing fish information to help FWP improve how that information is provided on their website. Currently, two old applications (Fishing Guide and MFISH) are the primary way FWP provides fish and angling data for water bodies. New methods for storing fish survey and inventory data have allowed fisheries staff to enter and store more fish information more quickly. FWP seeks to gather input from the public to determine what information is most valuable, usable, and understandable to the public. **Those interested can provide feedback and offer suggestions online through a survey.**
   The survey will be open through March 31, 2016. Weekly prizes such as a 1-year subscription to Montana Outdoors or FWP fish t-shirts will be awarded to survey participants. Following the conclusion of the survey, priorities identified from this effort inform development of the new application, which may be available in 2017.

5. **Urban Herbs to hold nine volunteer learning days in April.**
   Big Sky/Urban Herbs has nine Volunteer Learning Days available at the U Pick Garden in April. Find all the details on the Urban Herbs website.

6. **Replant the banks of the East Fork of the Bitterroot River. April 9.**
   The Bitterroot Water Forum invites you to help make a difference for the Bitterroot River. BWF will be revegetating over 500 feet of stream bank along the East Fork of the Bitterroot. Building up a healthy riparian area will provide a buffer between the sediment and pollutants from Highway 93 as well as provide shade to the overly warm East Fork.
   You can help. Wear sturdy shoes, old clothes, & work gloves. Dress for the weather and bring water. Lunch provided. RSVP to Stephanie at stephanie.brwf@gmail.com so we can plan for lunches.
   When: Saturday, April 9, from 9 a.m. - 4 p.m.
   Where: Meet at the Safeway in Hamilton.

7. **Put your group’s Earth Week plans on UM’s Earth Week Calendar (& reserve UC tabling space).**
   If your group has plans for Earth Week (April 22 to April 30),
Please send them to Vicki Watson (vicki.watson@umontana) for inclusion in the UM Earth Week calendar. In addition, if your group would like to table in the UC during Earth Week, let Vicki know. The UC atrium tables have been reserved for Earth Week related tabling. As of now, there are still UC atrium tables available. There are also some tables available in the library mall.

8. **Help complete the Continental Divide Trail this summer.**
   In 1978, the Continental Divide National Scenic Trail was designated to provide for high quality, scenic, primitive hiking, horseback riding, and non-motorized recreational experiences, and to conserve natural, historical and cultural resources along the divide. Snaking 3,100 miles from Canada to Mexico, the CDNST is only 78% complete. The largest unfinished section is the Montana and Idaho section at only 58% complete! With dedicated volunteers, Montana Wilderness Association is working to complete the Trail and you can help. Check out all the volunteer opportunities for Summer 2016 on CDNST’s website. Be sure to select a project that matches your physical abilities. Note: there are also opportunities to be camp cooks, camp scouts, or artists in residence.

9. **Climate Change Survey.**
Researchers at Montana State University are examining the impacts of climate and weather on agricultural systems and producer livelihoods. They are interested in perceptions and practices of agricultural stakeholders regarding changes in climate, including extreme weather events and their impacts on agriculture. If you consider yourself an ag stakeholder, complete this survey online. [https://montana.qualtrics.com/jfe/form/SV_d424RNVlOKKO](https://montana.qualtrics.com/jfe/form/SV_d424RNVlOKKO)

**EDUCATIONAL OPPORTUNITIES**

1. **NeoGeo: Site Specific Art** is a new summer art course for both grads and undergrads.
   The University of Montana School of Art is excited to announce an innovative new course in conjunction with the Tippet Rise Art Center in Fishtail, Montana. Neo Geo: Site Specific Art explores art and architecture’s relationship to site and land use in the West. It considers engaging new geometric, geographic and geologic outcomes that can be approached from multiple fields of study. This course will engage top students in Art, Media Arts, Creative Writing, and Environmental Studies by investigating the tremendous power of place. The course will include lectures by Lucy Lippard, Dan Flores, Patrick Zentz, and Alban Bassuet (Director at Tippet Rise). Neo Geo will be taught by UM Professor MaryAnn Bonjorni. This summer course is designed both for a Graduate experience in ARTZ 595 and an undergraduate experience in ARTZ 491. Course dates: May 23 - June 24. See the NeoGeo attachment for application and further instructions.

2. **Conservation of Southeast Asian Bat Diversity. March 30.**
   Tigga Kingston, of Texas Tech University and a candidate for the John J. Craighead Endowed Chair here at UM, will give a seminar on "Whistling in the dark? Ecology and conservation of Southeast Asian Bat Diversity."
   WHEN: Wednesday, March 30, from 4:10 p.m. - 5:00 p.m.
   WHERE: Interdisciplinary Sciences Building, room 110.

3. **Using science to inform policy and build resilient communities. March 30.**
This live webinar features Dr. Jayne Morrow who serves as a Senior Science Policy Advisor at National Institute of Standards and Technology. She works to bring stakeholder communities together, foster collaboration and communication across sectors and develop strategic policy initiatives on a broad range of technical issues including community resilience, national security and public health.

Prior to her current position, Dr. Morrow served as the Executive Director of the National Science and Technology Council at the Office of Science and Technology Policy for the White House. The Council is the principle means for the President and the Advisor to the President for Science and Technology to seek technical advice and subject matter expertise from within the Federal government.

Dr. Morrow has published on natural and engineered environmental systems, as well as bio-threat response and recovery and emerging infectious disease surveillance. She has a M.S. and a PhD in Environmental Engineering from the University of Connecticut and a B.S. in Civil Engineering from Montana State University ('98).

WHEN: Wednesday, March 30, at noon.
WHERE: online at http://montana.adobeconnect.com/roughcutscience/

The Gallatin Local Water Quality District staff will highlight and discuss the newly published 2015 State of the Waters Report in an educational lunchtime workshop in Bozeman. Information on local groundwater and surface water resources and recent GLWQD projects will be presented. The workshop is open to the public. Refreshments provided. Details may be found on the GLWQD website.
WHEN: Wednesday, March 30, from noon to 1 p.m.
WHERE: Gallatin County Courthouse Community Room, 311 W. Main St., Bozeman.

5. First Friday MUD Mingle. April 1.
We will be featuring work from Adelaide Gale Every. Stop by MUD to tour the site, sign up for a membership, and have cocktails and conversation! Find more details on MUD's Facebook page.

This two-day classroom and field course will examine the science and application of dynamic river restoration concepts and techniques with an emphasis on how to address bank erosion and instability with willow lifts. Anyone interested in learning more about the causes of stream bank instability and the alternatives to addressing the issue are encouraged to attend! Registration and course details will be available soon on the Montana Water Center's website: http://www.montanawatercenter.org/riverrestorationcourse
You may also contact Stephanie McGinnis at mcginnis@montana.edu or 406-994-6425 with questions.
Workshop funded and sponsored by : Montana Water Center, Montana DEQ, and Montana Wetland Council
WHEN: April 6-7, 2016 (Additional days in the field available, April 8-9)
WHERE: Shelby, Montana.

7. Five Valleys Audubon field trip to Ninepipe NWR to find some hooters. April 9.
Five Valleys Audubon will embark on a five-hour, late-day field trip to the Ninepipe area to look for Short-eared Owls. Meet at 4:00 p.m. in the northwest corner of the UM Adams Center parking lot. The return trip to will be after dark. Contact Larry at 549-5632 for more information.
8. **River of Raptors presentation at Audubon meeting.  April 11.**
The Veracruz River of Raptors Project in eastern Mexico monitors the largest raptor migration on earth (4-6 million raptors of 20 species observed each autumn). River of Raptors Project co-founder Steve Hoffman of Montana Audubon will discuss the project and show some amazing slides. Five Valleys Audubon invites everyone to come.
**WHEN:** Monday, April 11, at 7:30 p.m.
**WHERE:** UM’s Gallagher Business Building, room L14 (lower level).

9. **Innovation & Imagination in Global Health.  April 12.**
Innovation and Imagination in Global Health, the 2016 Mansfield Conference, is a day-long event with conversations and presentations examining how new technology, ideas, and challenges are changing the nature of health care and how we view health both at home and across the world. Local and international speakers will cover a broad range of topics from delivery systems, to big data, to human behavior and environmental factors in health. What does emergency preparedness look like for natural disasters and pandemics? What innovations are changing mental health care? How do culture and place impact our health?
**Full details are available on the Mansfield Center's event webpage.**
**WHEN:** Tuesday, April 12.
**WHERE:** University Center Ballroom.

10. **Training for solar installers. April 15.**
A representative of SolarEdge will be in Missoula to offer a training for solar installers titled "How to Optimize Your Solar Business." SolarEdge is a provider of power optimizers, solar inverters, and monitoring solutions for solar PV arrays. The training will also cover StorEdge, which is compatible with the Tesla Powerwall battery. There is no cost for the training, but pre-registration is required. Please note that this training will be highly technical. **Register for the Missoula solar installer training online.**

11. **Six webinars on effective river and watershed organizations. Take one or all. Begins April 19.**
- Strategic Planning & Measuring Your Impact - April 19.
- Fundraising I: Fundraising Readiness, Planning and Board/Staff Roles - May 17.
- Fundraising II: Raising Money from Individuals - June 21.
- Nonprofit Financial Management - August 16.
There is a cost associated with these webinars. Sign up for individual webinars or the whole series, provided by the River Network. **Get all the details and register on the River Network website.**

12. **Evening with a Naturalist features Emily Graslie. Tickets going fast. April 29.**
Emily Graslie is the Chief Curiosity Correspondent for the Field Museum in Chicago and speaks on topics ranging from traditional print media to new digital platforms, television and radio, and everything in between. Registration is required; $60. **Go to the MNHC website.**
**WHEN:** Friday, April 29, from 7 – 9 p.m.
**WHERE:** Montana Natural History Center, 120 Hickory St., Missoula.
13. **NW Energy Coalition’s Clean & Affordable Energy Conference will be in Missoula. May 19 – 20.**
Join the NW Energy Coalition at the Northwest’s premier clean energy conference. Experts representing diverse interests and perspectives (utilities, energy efficiency businesses, consumers and environmentalists) will address state and region wide clean energy issues, including:
- Opportunities for a cleaner and more affordable energy future for Montana.
- The emerging large-scale solar market.
- Strategies for advancing energy efficiency in rural areas.
- Lessons learned from recent rate design reform and clean energy development efforts.
The Coalition’s full membership, caucus, and board meetings will take place on Friday, May 20. Learn more about the Energy Conference and register online. The conference agenda is also online.

**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. **Land manager/caretaker needed at Lolo Woods. Apply ASAP.**
   This person is responsible for taking care of the house, roads, and fences on the property, as well as promoting the health and regeneration of native species on this 90-acre property along the Bitterroot River in Lolo. Knowledge of forestry and landscaping are desired. Daniel Congdon, UM ’14, currently holds the position and is conducting interviews. For full details and Daniel’s contact information, please see the attached flyer.

2. **Missoula Smokejumper Center seeks lead tour guide for summer. Apply by April 1.**
   The Missoula Smokejumper Visitor Center is looking for a Lead Tour Guide for summer 2016. Responsibilities of the Lead Tour Guide include learning about the Smokejumper Base and leading well informed, educational tours catered to each group about the base and Smokejumper operations, offering exemplary customer service, and managing two interns. The Lead Tour Guide must be responsible, comfortable speaking to large groups, organized, have experience handling petty cash, eager to learn about the base, and able to work maturely in a management role. Please note: this is an administrative and office based position, that moves between a visitor center and working base multiple times per day. This is a paid position ($14/hour) and is full time from May 23, 2016 through Labor Day (with flexibility around the start of school). Please, only those who are able to work full time for the entire period should apply. Hours are between 8:30-5pm and weekend work is required. The position begins training part time in early May.
   To apply, please send a cover letter expressing your interest and qualifications, a resume, and contact information for two references by April 1, 2016, to mollycottrell@gmail.com.

3. **Southwestern Crown Collaborative seeks two forest ecology interns. Apply by April 7.**
   Two seasonal field crew members, who must be UM students, will collect data of forest conditions in the Crown of the Continent Ecosystem in western Montana. $15 per hour. Get all the details in the attached flyer.
**FUNDING SOURCES**

1. UM Graduate Enhancement Awards (up to $5000). Apply by April 18.
   The Montana Institute on Ecosystems (IoE) at the University of Montana has funds to support graduate students in the environmental sciences or related fields. Funds may be used for summer salary, research supplies, travel, publication support, or convening a meeting or conference. Awards up to $5,000 per student are available to help accomplish an activity tied directly to their educational objectives. Visit the IoE website to learn more.
   Application Deadline: Monday, April 18, 2016 at 5:00pm

**HOUSING**

1. University-area home for rent.
   Four bedroom home, six blocks from UM, less than a block from Bonner Park, Paxson Elementary School, and bus stop. The property has a fenced yard with underground sprinklers, porch, patio, one car garage. Available for academic year 2016-17 (term of lease negotiable). It comes furnished or semi-furnished. Rent is $1,500/month plus utilities. You may view this property on Zillow. Call Anya Jabour at 406-370-2240 for more information.
   This property is at 224 Hastings Avenue, Missoula.

**RESOURCES**

1. MUD's Tool Library has new hours starting April 1.
   No Foolin', as of April 1, MUD's Tool Library will be open Friday through Monday! For our first Friday night open, Adelaide Gale Every's work featuring found and salvaged objects will be on display at MUD central as part of the First Friday art walk. Join us for this MUD Mingle. We'll have tours of the site, punch from Montgomery Distillery, and member sign-ups so you can take some tools home for your weekend project.
   New Tool Library Hours: Friday from 4 – 7 p.m., Saturday and Sunday from 10 a.m. – 4 p.m., and Monday from 4 – 7 p.m.
   WHERE: 1527 Wyoming Street (corner of Wyoming and Russell).

2. Harlequin Produce CSA offers discounted early bird sign up. Deadline April 1.
   If you sign up and pay in full by April 1, you will receive an extra $10 in Harlequin Duck Bucks. You’ll also get a $10 credit for every friend you refer. Sign-up online.

**MISCELLANEOUS ITEMS AND OTHER FUN EVENTS**

1. Down the Hatch Fishing Festival. April 9.
   Save the date for this Festival in Caras Park, on the banks of the Clark Fork River. Fishing gear and fishing talk will be rampant. As dusk falls, drift over to the historic Wilma Theatre for the Down the Hatch Films and a huge raffle that benefits the Clark Fork Coalition’s Eight Gr8 Trout Streams Campaign! This is part of Orvis’ annual Guide Rendezvous, April 7 – 9.

The Jeannette Rankin Peace Center hosts monthly potlucks on second Sundays from 5:30-7:30 at 519 S Higgins (enter by the alley). These are informal times of sharing and hearing about a topic relevant to peace work. On March 13, the speaker was Guedem Dara from Chad -- who brought a special dish from Chad! Eating together has always been central to community. The bible tells of the early Christian community breaking bread together. The Muslim Iftar (breaking the Ramadan fast) and the Sabbath meal are family and/or community events. And of course, the family feasts at Thanksgiving and Christmas are not about the food, but the love of family & friends. When groups like the Peace Center share a meal, we are saying whatever our differences, whatever arguments we have had today, we are one. Let us Break Bread Together is a line from an old freedom song Join us every second Sunday (April 10, May 8, etc.) when you can, to share friendship, joy, the search for peace. Your presence in the most important thing; bring whatever you want to share, or just bring yourself!

This essay competition was created to inspire students to explore connections between human rights and science, engineering and the health professions. Students may write on any topic at the intersection of science and/or technology with human rights.
*Full details and guidelines may be found in this online pdf.*

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*This Newsline prepared by Vicki Watson and Theresa Duncan. Please send any comments [here](#).*