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## ACADEMIC PROGRAMS OFFICE HAPPENINGS

**Jenna Fusinatto** participated in the Preview Mizzou recruiting event in Denver, CO on March 12. There were approximately 75 students in attendance and there was interest for each major in SNR.

March 15<sup>th</sup> was Preview Mizzou in Columbia, there were 200 attendees. Jenna Fusinatto and **Dr. Keith Goyne** assisted in recruitment at this event.

The Office of Academic Programs hosted a Resume Workshop and Review on March 16. **Justin Cooks** (academic and career advisor) spoke to students about resume techniques and assisted in looking over resumes for critique.

## AWARDS and HONORS



On March 9, at the annual conference of the Missouri Park and Recreation Association, **Leo Drey** was honored as the 2017 inductee to the Missouri Recreation and Parks Hall of Fame. This honor recognizes an individual who has made exceptional contributions to the pursuit and realization of quality recreational experiences for the citizens of the state of Missouri. Drey's legacy is one of selfless giving to our state's natural resource heritage, contributing in many ways, from developing selective harvesting techniques that changed

Missouri's forest management operations to protecting priceless natural resources at a personal financial loss. The preservation of many of Missouri's greatest natural resources is the direct result of the conservation efforts of Drey, including Grand Gulf State Park, Dillard Mill Historic Site and the Piney Narrows. Greer Spring is the second-largest freshwater spring in the Ozarks. Privately owned in 1987, it was set to be commercially developed by Anheuser Busch Brewing Company. Drey felt that it was a mistake to lose this wild resource, but realized that the wheels of government moved much slower than the wheels of commerce. Using personal funds, he purchased the \$4.5 million site, then sold it to the US Forest Service at a \$500,000 loss. When the Ozark rivers and streams were suffering from water quality problems at the hands of poor timber and farming

practices, Drey helped convince Congress of the need for the development of the Ozark National Scenic Riverways, then secured over 35 miles of recreational waterway easements along the Jack's Fork and Current rivers for public use - what we now call the Ozark National Scenic Riverways. These are only two of Drey's contributions to Missouri's outdoor heritage, and there are many more. As a member of the MRP Hall of Fame, he will be permanently recognized for securing Missouri's natural resources for generations. Clint Trammel, one of Drey's forest managers once said; *"Leo is going to be one of those people, who, at some time in the future, if not already, people are going to realize the stature of what he has accomplished and what he has done for this state."* Leo Drey's widow and best friend, Kay Drey was present at the ceremony, as was Greg Iffrig, Executive Director of the Leo A. Drey Foundation, which carries on his legacy. For additional information on Leo Drey, please check the following link: <https://www.youtube.com/watch?v=QCjZ0CkIpF0>. (Photo provided by Creative Photo; Left to Right: Jim Kent, MRP Hall of Fame Chairperson; Kay Drey, widow of Leo Drey; and Greg Iffrig, Executive Director of the Leo A. Drey Foundation. They are pictured with Leo's plaque that hangs in the Hall of Fame.)



**Ellen Morris**, PRT Internship Coordinator, won the Missouri Park and Recreation Association's Associate Fellow Award on Thursday March 9, at the MPRA Conference in Branson, MO. She was presented the award for her dedication to helping students break into the career field, serving as a Mentor to the Student and New Professional Section of MPRA, volunteering to plan the MPRA Fall Student Workshop at the Lake of the Ozarks, as the Student Activities Co-Chair for both the 2016 and 2017 state conference, and as a Co-Advisor to the Mizzou student organization SPRTA.

Also at the Missouri Park and Recreation Association State Conference, Parks, Recreation and Tourism hosted a Mizzou PRT Alumni Social and Silent Auction on March 8<sup>th</sup>. Over 50 PRT alums and friends of the program from all over the state attended the event. With many donated items for the silent auction, PRT was able to raise over \$1,700 for student scholarships.

**David Diamond** and the **MoRAP** staff received a grant for \$56,000 to map wetlands in northern New Mexico. Partners include workers at the University of New Mexico, the US Forest Service, and the New Mexico Department of Game and Fish. MoRAP's role will be to generate image objects and provide for attribution of the objects that will facilitate a classification of wetlands.

**Patrick Curtin** (MS, Natural Resources, Forestry emphasis) won the Outstanding Graduate Student Poster award this week at the Biennial Southern Silvicultural Research Conference in Blacksburg, VA for his poster "Survival and growth of longleaf pine seedlings over a 10-year period in southwestern GA".

Several SNR students won awards at the Conservation Federation of Missouri Annual Banquet on March 10, 2017. All three Carl Morrow Awards were won by MU grad students: Fisheries (**Kayla Key**, advised by Amanda Rosenberger), Soil and Water (**Rachel Owen**, co-advised by Lisa Webb

and Keith Goyne), and Wildlife (**Joe LaRose**, co-advised by Lisa Webb and Debra Finke from the IPG). **Corey Dunn**, PhD student advised by Craig Paukert, won the Charles Bell Conservation Scholarship. **Josh Groves**, an undergraduate in Forestry received the Ed Stegner Natural Resources Scholarship and the Kirkham Family Scholarship. **Brendan Woodall** received the Student Conservation Achievement Award.



(Left) Joe LaRose, Kayla Key, Rachel Owen, and Corey Dunn with their CFM awards. Photo by Craig Paukert.



(Right) Brendan Woodall with his CFM Student Achievement Award. Photo by Craig Paukert.



(Left) Josh Groves receiving his scholarships from Ike Lovan, CFM Board Member and Chairman of Conservation Foundation of Missouri Charitable Trust. Photo by Emma Kessinger.

## PRESENTATIONS/PUBLICATIONS/RESEARCH HIGHLIGHTS

**Al-Warid, H. S.** (Postdoctoral Fellow, School of Natural Resources, Fisheries & Wildlife), Beringer, J., Hiller, T. L., Belant, J. L., & **Gompper, M. E.** (2017). Community composition of Ixodid ticks parasitizing American black bears in Missouri, USA. *Ursus*, 27(2), 61-66.

**Curtin, P.J., Knapp, B.O.,** Jack, S.B., and Nieminen, M.F. Survival and growth of longleaf pine seedlings over a 10-year period in southwestern GA. 19<sup>th</sup> Biennial Southern Silvicultural Research Conference, March 13-16, 2017. Blacksburg, VA, Poster presentation

**Vickers, L.A. (PhD, Forestry in 2015, Senior Research Specialist), Larsen, D.R., Kabrick, Dey, D.C., Kabrick, J.M., and Knapp, B.O.** Modeling the impacts of overstory density on regeneration dynamics of Missouri Ozark forests. 19<sup>th</sup> Biennial Southern Silvicultural Research Conference, March 13-16, 2017. Blacksburg, VA, Poster presentation

**Wood, J.D.,** T.J. Griffis, J.M. Baker, C. Frankenberg, M. Verma and K. Yuen. 2017. Multiscale analyses of solar-induced fluorescence and gross primary production. *Geophysical Research Letters*, 44:533–541, doi: 10.1002/2016GL070775.

**Pierce, R.A. II.** 2017. Attracting barn owls to your property. MU Extension Guide G9438. <http://extension.missouri.edu/p/G9438>

**Pierce, R.A. II** and J. Isabelle. 2017. Wild turkey biology and habitat management in Missouri. MU Extension Guide G9526. <http://extension.missouri.edu/p/G9526>

**Pierce R.A. II** and **F.R. Thompson III**. 2017. Biology and management of American Woodcock in Missouri. MU Extension Guide G9524. <http://extension.missouri.edu/p/G9524>

**Pierce, R.A. II**, F. Nelson and **L. Webb**. 2017. Biology and management of wood ducks in Missouri. MU Extension Guide G9429. <http://extension.missouri.edu/p/G9439>

**Pierce, R.A. II** and S. Hime. 2017. The Missouri Master Naturalist State Program Manual. <http://extension.missouri.edu/masternaturalist/home.aspx>

**Pierce, R.A. II** and S. Hime. 2017. The Missouri Master Naturalist Program Annual Accomplishment Report for 2016. <http://extension.missouri.edu/masternaturalist/home.aspx>

Brune, D.E., **R.A. Pierce II** and C. Hicks. 2017. Aquaculture 101: Sustainable seafood production in the Midwest. Aquaculture in America and World Aquaculture Society Annual Conference, San Antonio, TX, 2017. <https://www.was.org/meetings/ShowAbstract.aspx?Id=45942>

The Missouri Master Naturalist program was featured in the MU Extension 2016 Annual Report: Commitment to Community. Program impacts are highlighted under the “Environment” section. The MU Extension 2016 Annual Report is available at: [http://extension.missouri.edu/about/documents/FY2016 annual report.pdf](http://extension.missouri.edu/about/documents/FY2016%20annual%20report.pdf)

**R.A. Pierce II**, Syd Hime and MDC conducted the 2017 Missouri Master Naturalist Leadership Academy – an Advanced Training for Chapter Leaders. MU Extension and the Missouri Department of Conservation, Jefferson City, MO.

**Pierce, R.A. II**. 2017. The Missouri Master Naturalist program and the value of volunteers: volunteers are priceless! Missouri Master Naturalist Leadership Academy.

## UPCOMING EVENTS/MEETINGS/ANNOUNCEMENTS

The Oak Woodlands & Forests Fire Consortium (**Mike Stambaugh**, Chair; **Joe Marschall**, Coordinator) and The Nature Conservancy (TNC, Indiana chapter) hosted a fire management field tour at the TNC’s Hitz-Rhodehamel Preserve in southern Indiana as part of the Central Hardwood Oak Ecology and Wildlife Management Conference held in Nashville, Indiana on March 7-8, 2017. Land managers, researchers, and private landowners (80 attendees from 5 states) discussed prescribed burning and mid-story forest thinning effects on encroaching shade-tolerant sugar maple and beech trees, oak regeneration, and timber quality.



## SNR Faculty and Students Internal Funding Opportunities:

1. SNR Mini-Grant Program: We will award 3-5 small grants (up to \$5000) per year based on an internal competition. Proposals will be solicited in May with a final decision announced in August.
2. Student Travel Matching Grants: Graduate and undergraduate students will be awarded up to \$500 as a match to travel to professional conferences/meetings. Preferences will be given to students making oral or poster presentations.

Did you know that wet deposition has been monitored at the Baskett Wildlife Research and Education Center since 1981 as part of the National Atmospheric Deposition Program (NADP; <http://nadp.sws.uiuc.edu/>)? The Baskett location, currently managed by Ben Knapp, is one of over 260 active sites in the NADP National Trends Network (<http://nadp.sws.uiuc.edu/NTN/>). Each week, accumulated precipitation is recorded; and a water sample is collected and shipped to a central lab where it is analyzed for cations and anions. Data are publicly available for all sites in the NTN, and the Baskett data can be found at: <http://nadp.sws.uiuc.edu/data/sites/sitedetails.aspx?id=MO03&net=NTN>.

The 2017 Earth Day – **W.A. Albrecht Lecture** presents Dr. J. Scott Angle, president and CEO of the International Fertilizer Development Center, “*Fertilizers – Essential Nutrients to Feed a Hungry Planet or Hazardous Chemicals Polluting Our Environment*,” Monday, April 24, 2017, 2 p.m., Jesse Wrench Auditorium (S-107 Memorial Union).



**Jordan Rabinowitz** is currently a Ph.D. student in the atmospheric sciences department at the University of Missouri and he's reaching out to current students (i.e., preferably juniors and seniors) and alumni to get involved in a great weather and climate education and outreach website called the Global Weather and Climate Center (GWCC) ([www.globalweatherclimatecenter.com](http://www.globalweatherclimatecenter.com)). This website was founded by Jordan and Mike Mogil, the founder of How the Weather Works. This website covers weather events from across the whole world, as well as educational and advanced meteorological topics. Jordan and Mike both operate as mentors

who help guide all website writers to help improve writing skills as well as offering the opportunity to write for a website that has caught the eye of many famous meteorologists in the field. There is an internship opportunity for current students as well as alumni, where they could write for the website while gaining valuable feedback from experienced and well-respected meteorologists in the field. Their work would be published on the website and shared on various social media outlets, providing them an excellent way to get their voice heard and gain experience outside of an academic setting. The same goes for alumni: anyone is more than welcome to join aboard the GWCC team! We would be ecstatic to collaborate with all of our well-established Mizzou Alumni, as well as welcome alumni who are still looking ways to get involved in the field.

If interested, contact Jordan at [jlrxw6@mail.missouri.edu](mailto:jlrxw6@mail.missouri.edu) or Mike at [writing@weatherworks.com](mailto:writing@weatherworks.com).

There is also an opportunity for MU undergraduates to apply for summer research this year. Click on the link and it will show you what to do. <https://undergradresearch.missouri.edu/jobs-and-programs/programs/nsf-missouri-transect-plants-climate-community/>

Many SNR students and staff are in leadership roles in the Conservation Federation of Missouri. The Rivers, Streams, and Fisheries Resource Advisory Committee is led by Senior Research Specialist **Emily Tracy-Smith**, but also has graduate students **Nick Sievert**, **Zach Morris**, and **Corey Dunn**. In addition, **Zach Morris** serves on the Board of Directors, and was recently appointed to the Legislative Committee.



Emily Tracy Smith, Zach Morris, and Corey Dunn leading the Rivers, Streams, and Fisheries Resource Advisory Committee Meeting for the Conservation Federation of Missouri. Photo by Craig Paukert.

SNR undergraduates were among the future leaders highlighted from the Conservation Federation of Missouri. Out of the 33 CLC students from around the state in attendance seven were from SNR. If you know of any undergraduate students that would be interested in CLC please have them talk to the CLC students, Eric Kurzejeski or Amber Edwards. Applications are due next fall and can be found at <http://www.confedmo.org/clc/>. The application process has changed and students are encouraged to fill out the application themselves along with getting a letter of recommendation. Conservation day at the Capital is April 12<sup>th</sup> <http://www.confedmo.org/capitol-conservation-day/>. If you all have any topics for students to write resolutions this fall for next year please let the students, Eric or Amber know and we can get you the form. As co-chair for the Education and Outdoor Recreation Resource Committee please let Amber know if there is any topics you would like to bring to my committee or any others at CFM. SNR Undergrad Students of Conservation Leadership Corps. From left: Gabrella Elliot, Cheyenne Stratton, Marissa York, Brendan Woodall, Joshua Groves, William Schriener, Ashley Hollis (CLC President 2<sup>nd</sup> term). Photo by Amber Edwards.





Save the date! Sat., Oct. 7 is the 11<sup>th</sup> Annual **Missouri Chestnut Roast at the Horticulture & Agroforestry Research Center in New Franklin**. Some of the presentations this year are: SNR master's graduate Badger Johnson on the 'how-to' of forest farming; Terry Durham from River Harvest Hills ~ All About Elderberries; Dr. Sougata Bardhan will present the "Whiz Bang Science Show!" There will be lots of fresh roasted chestnuts for sampling, tours of the Historic Hickman House, farm tours, local vendors to shop, hands-on

demonstrations and more. Rain or shine ~ free and open to the public. For information on booth space and to volunteer, please contact Caroline Todd, 884-2874 or [toddcs@missouri.edu](mailto:toddcs@missouri.edu)

On Tuesday, March 14, 2017 a large crowd of folks from Missouri Forest Products Association (SNR has a seat as a member-at-large on the MFPA Board), Missouri Logging Council, Children's Miracle Network, and The University of Missouri Children's Hospital gathered outside the hospital in front of two fully loaded logging trucks to present a check for \$50,000 to the University of Missouri Children's Hospital. The University of Missouri Children's Hospital was the chosen recipient for donations gathered through the Missouri Logging Council's Log A Load for Kids program. The Children's Hospital offers more than 30 different areas of specialty care for kids and doesn't turn anyone away. The Missouri Logging Council began fundraising with the Log A Load for Kids Program in 2010 and has since donated \$100,000 to The University of Missouri Children's Hospital!



**Trivia In The Wild** was held on Friday, March 3 with a great turnout and raised about \$2800.00 for scholarships which was about \$500 more than last year. The winning team this year is from Jefferson City which included several MO DNR employees who are also alumni from SNR (pictured). Thank you everyone who helped and attended. Before kicking off Trivia in the Wild, the NR Alumni Board announced that **Greg Snellen** will take over from **Jenna Fusinato** as President of NR Alumni. Jenna has done an excellent job for the past few years

and will continue to be active with the Board in the future...thank you Jenna. Greg is a 2004 graduate from Fisheries and Wildlife and is employed with MO Department of Natural Resources in Jefferson City and is already making plans for a great year...thank you Greg for taking over.

## SPOTLIGHT



**Room 47 Project - Joe G. Dillard**, a 1965 graduate of the fish and wildlife program, volunteered to clean out Room 47, a storage area, in the basement of the ABNR Building. (Photo by Nick Sievert) During a chance meeting at the Sub Shop in 2012, Dr. Jack Jones (former Interim Director of SNR and Chair of the Department of Fisheries and Wildlife) mentioned this particular project and Joe agreed to do it and has been working on it ever since.

Dillard spends a few hours a week going through the contents of Room 47 in the Anheuser-Busch Natural Resources Building. He wasn't given a title, so he proclaimed himself as the "Room 47 Archivist." The room is home to boxes and lockers full of Fisheries and Wildlife history that were moved from E. Sydney Stephens Hall (the original home of the Fish and Wildlife Program) in 1998. Dr. Jones told him, "You have a connection to our past. The folks that follow will have less connection to the paper in those boxes. I do not want the boxes to be tossed out someday without consideration of the potential value of their contents." Joe has certainly found valuable pieces in the collection. He's gone through many of the roughly 30 boxes, logging each one's contents and where he's sent them. Joe has sent documents and items to places as close as the State Historical Society of Missouri and as far away as Cornell University. One of Joe's favorite discoveries came from the second box he opened. It was a series of Aldo Leopold reprints, which Joe sent to the Aldo Leopold Foundation in Wisconsin. Another favorite was finding old photographs in the boxes. One of them, a photo, showed the first female graduate student of the Fisheries and Wildlife Department (Editor's Note: Expect to see it in a future edition as well as some other photos and notes from the Room 47 Project). Beyond his personal interests, Joe hopes that his work in Room 47 will have an impact on the availability of information to the scientific community. In Room 47, Joe found hundreds of duplicates of fish and wildlife theses and dissertations, dating from 1937 to present. From these and the ones that the department already had, Joe worked with Karen Decker, Senior Business Support Specialist, to compile a spreadsheet of all the research results to date. He is totally committed to ensuring that scientific information about fish and wildlife in Missouri is available to anyone that wants it. That's just part of what keeps Joe coming back to Room 47. "You can tell I'm having fun, and I feel like I'm serving a purpose. I feel it's a real honor to be invited to do it, and it's important to do it. I love being on campus and being in contact with students and faculty. It gives me a break from my many other projects," he said with a laugh. "It's so easy to give of yourself and it's so satisfying." This article is adapted from an interview of Joe conducted by Christine Jackson, *Columbia Missourian* Reporter.

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