W.A. Albrecht Earth Day Lecture: Peter Motavalli (L), MU Professor of Soil & Environmental Science and keynote speaker, Dr. Michael Grusak (R). Roundtable panelists L-R) Neal Kinsey, Owner & President of Kinsey Agricultural Services, Inc., Bob Perry, GM of Perry Agricultural Laboratory, and Robert Kremer, Adjunct Professor of Soil Microbiology. (Photos courtesy of Casey Baker Photography.)
HONORS and AWARDS

Congratulations to Sarah Higgins on her selection to be a 2019 Golden Opportunity Scholar from the American Society of Agronomy (ASA)! The program is sponsored by the ASA, Crop Science Society of America (CSSA) and Soil Science Society of America (SSSA) and selects outstanding undergraduate students from across the world for training opportunities to be the next generation of leaders in agronomy, crops, soils, and environmental science. The Golden Opportunity Scholars Institute, a collaborative program of the American Society of Agronomy, Crop Science Society of America, and Soil Science Society of America, matches undergraduates with scientist-mentors during the ASA-CSSA-SSSA International Annual Meetings. The program encourages talented students to enter the agronomy, crop, soil, or environmental sciences, cultivate networks, and develop the necessary workforce to sustain the profession. (Submitted by Peter Motavalli.)

MU Campus Dining Services held its twenty-third annual student employee scholarship program, to recognize student employees for length of service, leadership, grade point, extra-curricular activities and honors. Eight (8) $1,000 scholarships for Fall 2019 were awarded to student employees (based on their applications, letters of request and letters of recommendation). Parks, Recreation and Sport student Caitlyn Hulett (emphasis: Natural Resource Recreation Management), was awarded one of the scholarships for her outstanding work. (Submitted by Jason Young.)

Clinton E. “Clint” Trammel was recently inducted into the Missouri Conservation Hall of Fame. “The Missouri Conservation Hall of Fame honors individuals who, during their lifetimes, made significant contributions to the cause of conservation in Missouri.” Clint received both his BS and MS in Forestry at the University of Missouri working with Dr. John Dwyer. He passed away in June 2018. (Submitted by Dave Larsen.)
The College of Agriculture, Food and Natural Resources honored its outstanding faculty, staff, students, alumni and friends at the Celebration of Excellence ceremony. Awards were given for teaching, research, advising, extension, service and volunteering. SNR recipients included: (Photos courtesy of CAFNR Communications.)

**Early Investigator Research Award** “Demonstrated excellence in research performance that indicates a trajectory toward national or international recognition through individual research or contributions to research team efforts” – **Ben Knapp** (pictured center with Rob Kallenbach (L) and Dean Daubert (R)).

**Outstanding Advisor for Graduate Advising** “Recognizes the efforts of advisors working with students on their graduate degree; faculty who incorporate research or teaching responsibilities along with advising students on thesis and project proposals” – **Sonja Wilhelm Stanis** (pictured center with Bryan Garton (L) and Dean Daubert (R)).

**CAFNR Programs of Distinction** “A select collection of programs that exemplify CAFNR’s drive to distinction. CAFNR’s Programs of Distinction, together with our academic programs, define our current impact on Missouri’s agriculture and natural resource economies, providing understanding for how CAFNR is addressing challenges facing Missouri agriculture and natural resources” – **Mike Gold**, Center for Agroforestry (pictured with Dean Daubert.).

**Frederick B. Mumford Outstanding Faculty Award** “For outstanding contributions in support of our land grant mission to Discover and Enlighten” – **Pat Guinan** (pictured with Dean Daubert.)

**True Tiger Volunteer Award** “Recognizes an individual who has made significant contributions to CAFNR through volunteer efforts and a sincere dedication to the University” – **Joe Dillard** (L) with his nominator, Shibu Jose (R).
John Karel was inducted into the Missouri Recreation and Parks Hall of Fame. Karel is a resident of Ste. Genevieve and has made extraordinary contributions to the parks and recreation movement in Missouri. “To preserve and interpret the finest examples of Missouri’s natural landscapes; to preserve and interpret its most significant cultural landmarks; and to provide healthy and enjoyable outdoor recreation appropriate to these resources for all Missourians and visitors to the state.” These are words that John Karel lives by. His vision, passion, perseverance, and his love of history have literally changed the landscape of Missouri. His focus of preserving wilderness, managing lands for their natural, cultural, and recreational values, and inspiring others through his leadership and dedication have made him one of the most accomplished parks professionals in the history of our state. In 1977, after graduating from University of Missouri-Columbia, John was the key leader in the participation of State Parks in the Missouri Natural Areas System, and the Missouri Natural Areas Committee. In state parks alone, there are now more than 40 designated natural areas totaling more than 20,000 acres, many of them added during his tenure. He also helped establish a new State Wild Area System, which has since grown to 11 Wild Areas encompassing some 23,000 acres in nine state parks. In 1979, at the age of 31, John Karel was appointed director of DNR’s Division of Parks and Historic Preservation. As the first—and to date, only—state park director with degrees in both history and natural resource management, John was key in developing the concept for passing and renewing Missouri’s innovative Parks and Soils sales tax which secured a larger appropriation for parks than ever before or since. John also was engaged in an entirely volunteer capacity as a leader with Missouri Wilderness Coalition. He was a principal pacesetter who fought hard with meticulous preparation and political skill in the effort to successfully designate eight federal wilderness areas in four separate Congressional acts, for a total of 78,000 acres in the state. As the Director of Tower Grove Park in St. Louis from 1987-2014, John’s vision, experience, and fundraising abilities elevated the park to a new level of excellence and gained national recognition for the quality of its resources, and its services to the St. Louis community. John also devoted enormous volunteer time and talent to the L-A-D Foundation, serving as president from 1999-2017. John’s most significant service was to guide its transition to a major private operating foundation after it received Leo and Kay Drey’s gift of the 143,000-acre Pioneer Forest in 2004. Time magazine listed it as one of the five largest philanthropic gifts in the nation that year, and the foundation in one day became the largest private landowner in Missouri. As a leader and a doer, John Karel has paid remarkable attention to detail, while still keeping the vision moving forward. These accomplishments listed, and many others, are John’s significant and enduring contributions to the preservation, restoration, and public understanding of so many of the great parks, wild lands, and cultural resources of Missouri. (Submitted by Heather Pirner; Pictured from left to right: Jim Kent, Chairman of MRP Hall of Fame Committee, John Karel, Susan Trautman, (nominator) CEO of Great Rivers Greenway. Photo courtesy of Missouri Park & Recreation Association.)
The Graduate School/Graduate Professional Council presented awards to SNR students: **Rachel Owen** (pictured below L) and **Emily Sinnott** (pictured below R). Emily received the Mary Elizabeth Gutermuth Award for Community Engagement; Rachel received the Mary Elizabeth Gutermuth Special Recognition Award along with being honored as one of the 2019 *Mizzou 18* recipients.

**Ojetunde Ojewola** (pictured with his advisor, **Mark Morgan** (L) was “tapped” into the Rollins Society along with Rachel Owen. (Photo by Chuka Emezue.)
Mizzou Researchers Host Global Inland Fisheries Biodiversity and Sustainability Workshop: Post-doctoral Researcher Ralph Tingley and Craig Paukert hosted a workshop of InFIsh, which is a group formed to raise the global profile of inland fish to inform policy, advance their conservation, and promote sustainable fisheries [http://infish.org/](http://infish.org/). The three day workshop was held at Stoney Creek Inn and was attended by over 25 students and scientists from around the world (as far away as Australia!), with an additional 20 more scientists worldwide who attended virtually. The group had representation from over 10 universities from at least four countries, two US federal agencies, the United Nations (FAO), consulting groups, and non-governmental organizations. Some of the highlights were providing feedback to the NGO Conservation International on how they determine the effectiveness of conservation actions, and how they are developing strategies to empower small-scale fisheries in the Mekong River Basin. Another part of the workshop focused on developing a scoping document to request countries to develop a global assessment of inland fisheries for the [Intergovernmental Platform on Biodiversity and Ecosystem Services (IPBES)](https://www.ipbes.net/). The document would be presented at their meeting in Paris in early May. In addition to Ralph and Craig, SNR graduate students Hadley Boehm, Michael Moore, Corey Dunn, and Summer Higdon participated. (Submitted by Craig Paukert.) (Photo above by Craig Paukert: Nick Souter from Conservation International-Australia discussing empowering small-scale fisheries in the Mekong River basin.)

Pictured left: InFIsh group social at Twin Lakes Park in Columbia. Represented in this photo are eight universities (MU, Michigan State, Wisconsin-Madison, Tennessee Tech, North Carolina State, Nebraska, Carleton, Cornell), one federal agency (USGS Climate Adaptation Science Center), two NGOs (Fisheries Conservation Foundation), and a consultant (FISHBIO). (Photo by Corey Dunn.)


"This is one of these global environmental problems that a single homeowner or a single individual can do something about because the habitat needs are so small," said Damon Hall, an assistant professor at the University of Missouri's School of Natural Resources and co-author of a recent study that tracks changes in state laws governing neonicotinoid pesticides. For the full story go to the link: CBS News “Earth Day challenge for gardeners: Don't poison bees” Rachel Layne 18 April 2019 https://www.cbsnews.com/news/earth-day-challenge-for-gardeners-dont-poison-bees/

The Atlantic Hurricane season begins 1 June, and every year experts at Colorado State University and NOAA make forecasts for how severe the season will be. Last year, the University of Missouri (Global Climate Change Group - SNR) threw their hat in the ring to make these forecasts on Colorado State University’s seasonal hurricane prediction project. Several universities and private companies make these forecasts and you can see how MU stacks up against others: http://seasonalhurricanepredictions.org. Specifically we forecast seven Atlantic Region hurricanes in 2019, two of which are projected to make major hurricane status. We project there will be 13 named storms including tropical storms. This year’s forecast team includes: Jordan Rabinowitz (PhD Student ’20), Brendan Heaven (Env. Sci undergrad, ’20), and Joe Renken (external collaborator). Interested parties can see how well we did last year at: http://weather.missouri.edu/gcc/UniversityofMissouri-TropicalForecast2018.pdf (Submitted by Tony Lupo.)
STUDENT PRESENTATIONS/PUBLICATIONS/RESEARCH HIGHLIGHTS

Over 50 students studying Parks, Recreation and Sport completed their capstone internships this spring with organizations across the United States. Students completed internships in national parks, professional sports, municipal parks and recreation, youth sports, collegiate athletics, sport marketing, outdoor recreation, and more. Approximately 50% of the students completed their internships outside the state of Missouri, in places such as: Utah, Nevada, Colorado, Florida, Texas, Arizona, California, West Virginia, Illinois, North Carolina, Indiana, and Kansas. (Submitted by Jason Young.)

Cole Diggins, a junior studying soil resource management, was featured in the Chancellor’s podcast. He is a McNair Scholar and was one of the three chosen to visit with the Chancellor on this program which discussed the impact undergraduate research and scholarship has had on their collegiate careers and highlight the ways Mizzou supports these opportunities. Listen to the podcast: this week’s Inside Mizzou podcast.
Piontek, E. (pictured L), Wilhelm Stanis, S.A., Hall, D., Mullenbach, L., Mowen, A., & Baker B. (2019, April). Parks and vacant lots: Residents' perceptions of the contributions of urban green spaces to socio-ecological outcomes. Poster presentation at the 2019 National Environment and Recreation Research Symposium, Annapolis, MD. Emily Piontek was also awarded the Tom & Muriel More Scholarship at the National Environment and Recreation Research Symposium.


The University of Missouri Soil Judging Team competed at the National Collegiate Soils Contest (NCSC) in San Luis Obispo, California. The contest was hosted by California Polytechnic State University. Twenty-six schools qualified to attend the national contest, the best-of-the-best soil judgers in the country. Mizzou was among four teams which qualified from Region V, including Iowa State University, University of Nebraska-Lincoln, and Kansas State University.

The students spent four days looking at soil pits throughout San Luis Obispo County. They were able to see Vertisols, a unique soil order with high amounts of shrink-swell clays for the very first time! Four individuals competed on behalf of University of Missouri in the individual contest – Lindsey Anderson (Senior Environmental Science), Sarah Higgins (Sophomore Environmental Science & French), Mitch Feyerherm (Senior Environmental Science), and Grant Gould (Sr. Arts & Science). The entire team competed in the group judging competition. The remaining members of the team were Eric Simpson (Senior Environmental Science), Layah VerDught (Senior Sustainable Agriculture), Katie Hathaway (Senior Environmental Science), Evelyn Mann (Senior Environmental Science), Luke Eaton (Sophomore Environmental Science), and Shae Meyer (Freshman Environmental Science).

The team placed 16 of 26 overall, and took home the 4th place award for the group judging competition. The competition was a tremendous learning experience for the students and they are incredibly grateful to the School of Natural Resources and other donors who made this trip possible. Returning team members will be competing in the regional competition this fall in Hastings, Nebraska. The soil judging team is coached by Rachel Owen (PhD Natural Resources). (Submitted and photo by Rachel Owen.)
EVENTS/MEETINGS/ANNOUNCEMENTS

SNR graduates Cheyenne Stratton and Jake Griffin, and current SNR graduate students Mike Thomas, Nick Sievert, and Emily Tracy-Smith, participated in a river education program called “Missouri River Days” providing 4th grade students an opportunity to “meet a fisheries biologist”. Outreach activities included radio telemetry, ecology and life history of fish and crayfish, fish identification and aging techniques. Missouri River Days is a half-day field trip on the Missouri River at Eagle Bluffs Conservation Area organized by Missouri River Relief. This field trip will be provided over the course of a school year to the entire fourth grade in Columbia Public Schools. During Missouri River Days, students leave their lab coats and pocket protectors behind, to do science, Missouri River Relief style. They investigate the mysteries behind the longest river in North America and learn what makes it tick. (Submitted by Emily Tracy-Smith; Photos courtesy of Missouri River Relief.)
Meet Parks, Recreation and Sport student Tony Huynh who finds his success as a sports graphic designer. (Submitted by Justin Young.) For more of the story go to the link below:

https://cafnr.missouri.edu/2019/04/kerning-his-stripes/

This SNR Monthly Reader will be distributed electronically the last working day of the month (except during breaks). Please send announcements to Cindy Greenwood, Editor (greenwoodci@missouri.edu). If you would like to unsubscribe from the SNR Monthly Reader, please email Cindy.