(From left to right) Wesley Clarkston, Chris Kalogeris, Sophia Short and Madisyn Branch stand on top of sandstone concretions at Rock City, Kansas. The MU soil judging team discovered that there is much more to Kansas and Nebraska than just flat interstate.
DIRECTOR MARKET – SNR ACTIONS

- Attended CAFNR-level meetings on mentoring, policies impacting recruitment, graduate student funding
- Attended Soil and Water Conservation Society Student chapter meeting
- Attended CAFNR Scholarship dinner
- Continuing reworking of the Great Rivers Cooperative Ecosystem Studies Unit [CESU] website
- Met with the U.S. Geological Survey, Cooperative Research Unit Supervisor and attended the US Geological Survey, Missouri Fish and Wildlife Research Unit’s social
- Attended Trivia in the Wild
- Met with Parks, Recreation, and Sport candidates as part of their campus interview
- Attended Celebrate, Connect & Collaborate Events to celebrate faculty research successes
- Met with facilitator to discuss faculty awards
- Attended CAFNR Celebration of Excellence
- Attended Missouri Academy of Science conference
- Attended William A. Albrecht Lecture
- Attended Faculty Recognition Awards ceremony
- Attended the opening of the Advancing Renewables Conference
- Attended the Agricultural Business Council of Kansas City [AgBizKC] April Luncheon meeting honoring Senator Roy Blunt

HONORS AND AWARDS

Claire Shipp (right) with Assistant Professor Robin Rotman received the 2022 Mark Twain Fellowship. The $50,000 fellowship will help her pursue a two-year degree program at the University of Oxford School of Geography and the Environment.

CAFNR celebrated faculty, staff, and students at the Celebration of Excellence where awards for teaching, advising, research, and service were given out. Several SNR faculty and staff received honors: Robin Rotman received the Outstanding Early Career Teacher Award (Below middle with CAFNR Senior Associate Dean and Director of Academic Programs Bryan Garton on the left and CAFNR Vice Chancellor and Dean Christopher Dauber on the right); Alba Argerich was inducted into the CAFNR Teaching Academy (Bottom right); and, Greg Rotert received the Mumford Outstanding Staff Award (Bottom left). For a complete listing of recipients https://cafnr.missouri.edu/awards/celebration-of-excellence/celebration-of-excellence-2022/ (Submitted by Jenna Fusinatto.)

Charlie Nilon, William J. Rucker Professor in the School of Natural Resources, received the Sustainability Science Award from the Ecological Society of America (ESA). The Sustainability Science Award recognizes the authors of the scholarly work that makes the greatest contribution to the emerging science of ecosystem and regional sustainability through the integration of ecological and social sciences. The 2022 Sustainability Science Award was given to the authors, including Nilon, of “Biodiversity in the city: Key challenges for urban green space management.”
Kristen Veum is the American Society of Agronomy’s President-Elect; her term begins January 1, 2023.

Shikha Acharya, a M.S. student in Human Dimensions of Natural Resources (Co-advisors: Mark Morgan and Shuangyu Xu) was selected for a paid, research internship this summer at the National Geographic Society in Washington D.C. Competition was stiff (150 applicants, nationwide).

PRESENTATIONS/PUBLICATIONS/RESEARCH HIGHLIGHTS

Associate Professor Mark Morgan was highlighted in Mizzou Magazine, Spring 2022, as a “Fire Starter” – “each in their own way, these alumni and faculty start things, make things, shake things up. They are catalysts on a grand scale”

https://showme.missouri.edu/2022/firestarters/
The Global Climate Change Group issued our Atlantic Region Tropical Cyclone forecast for the 2022 hurricane season. We predicted 21 named storms with eight total hurricanes and four of them reaching “major” status (Category 3 – 5). Last year we predicted 7 hurricanes with four of them reaching major status, and this is what occurred for the 2021 season. Our forecast for this year is partly based on the fact that the Atlantic Region sea surface temperatures are above normal. We also submitted our forecast to Colorado State University’s Tropical Cyclone Forecast website. Several universities, research labs, and private sector forecasters enter their forecast on this website. Our forecast is squarely within the mainstream as the average forecast is 20 named storms and eight hurricanes. Our forecast was made by Alex Nixon (Atmospheric Science senior), James Gasch and Sarah Weaver (Natural Resources graduate students), Veli Yavuz (visiting scientist Istanbul Technical University), Joseph Rengen (Organic Forecasting LLC), and Anthony R. Lupo (PI). See [http://weather.missouri.edu/gcc](http://weather.missouri.edu/gcc) for more details on our forecast. (Submitted by Tony Lupo.)


Undergraduate Research and Creative Achievements Forum: MU’s Undergraduate Research Office held their annual forum in Memorial Union during Undergraduate Research Week. Students from any discipline had the opportunity to present their research to the Mizzou public, including several posters from SNR students:

The Benefits of Roadside Pollinator Habitat in the City of Columbia – Melanie Cohen, Morgan Davis, and Danielle Fox

Periodical Cicada Effects on Plant Growth – Jordyn Hammel, Sarah Guardia

Barriers to Energy Development in the Indian Country – McKenna Thompson, Sam Carter, Robin Rotman, J.D.

White-Tailed Deer Vigilance Behavior within an Agroforestry Landscape – Harrison Stoudt, Ronald Revord, Summer LaRose

Death by Air: Atmospheric Phosphorus Deposition in Missouri – Crystal Rein, Rebecca North

Genetic Diversity in Phenological and Agronomic Traits in Black Walnut Germplasm – Elias Bunting, Ronald Revord, Bryan Webber, Nicholas Meier

Learn more about undergraduate research at https://undergradresearch.missouri.edu/ (Submitted by Jenna Fusinatto.)
EVENTS/MEETINGS/ANNOUNCEMENTS

The Natural Resources Alumni Association returned to the Knights of Columbus Hall after 2 years to host the 10th Trivia in the Wild! Staff, faculty, students, and alumni tested their knowledge on what was the first vegetable to be grown in space and who won the 2010 Kentucky Derby. Throughout the night, attendees also participated in a paper airplane competition, tossed in their tickets for raffle prizes, and popped their balloon centerpieces if they did not make a perfect score. The hall was full of laughter and lively competition. The winner of the night was Table 19! The event generated over $4000 for SNR scholarships and the alumni are already hard at work planning for Trivia 2023! (Submitted by Jenna Fusinatto.)

Dr. Michelle Brimecombe, Parks, Recreation, and Sport (PRS) Assistant Teaching Professor, hosted a panel celebrating the 50th anniversary of Title IX in Sport. Panelists included (L-R) Laura Hayes (Norm Stewart Foundation), Taylor Ratcliff (PRS Internship Coordinator), Alexis Brudnicki (award-winning Canadian sports journalist), and Dr. Dana Massengale (PRS Assistant Teaching Professor). The panel moderators were first year PRS students, Natalie St. John and Mackenzie Hoffman. Panelists shared about the impacts sport has had on their lives and the challenges faced in the male dominated field. Attendees asked thought provoking questions, giving others time to pause and reflect about sport today and the opportunities for the future. (Submitted by Jenna Fusinatto.)
Baskett Hosted Another Successful FFA State Forestry Contest
Contributed by Dr. Hank Stelzer (stelzerh@missouri.edu), State Forestry Extension Specialist

On April 22, 172 high school students representing 43 forestry teams from across Missouri participated in the Forestry Career Development Event (a.k.a. contest) as part of the 94th annual Missouri State FFA Convention. Contestants were evaluated on their ability to identify trees in the field (no easy task in the spring), determine the commercial volume in standing trees, decide which trees to keep and which ones to harvest in a commercial thinning exercise, interpret a topographic map, identify pieces of forestry equipment, identify various tree disorders, and their general forestry knowledge.

This year’s top team was Forsyth (SW Missouri). Second place went to Marshfield (SW Missouri). Hillcrest (Springfield) took third. Columbia came in fourth and Fordland (SW Missouri) fifth. This was Fordland’s FIRST time ever, for any of the state contests, to be up on the big stage to receive recognition in front of the 9,800-plus attending the Friday night session. Forsyth is looking to defend their national title they won last year at the National FFA Convention to be held in Indianapolis this coming October.

A HUGE ‘Thank you!’ to Gary Smith, Fred Crouse, Chris Lohmann, Angela George, and John Kabrick, Mizzou alums who come back to assist Forestry Contest Superintendent, Hank Stelzer. Hank says, “Every year I asked and every year they come!” Without them, Stelzer says, the contest would not be possible.

Portions of the Forestry Contest held around Witt Hall included a general knowledge exam, forestry equipment identification, tree health, map interpretation, tree identification, determination of commercial volume, and thinning decisions.

For more information about activities at Baskett Forest, contact Ben Knapp (knappb@missouri.edu)
SPOTLIGHT ON SNR FACULTY, STAFF AND STUDENTS

Hugh T. Holland - A Fish and Wildlife Graduate Who Never Came to Work (Ever!). Numerous SNR graduates go to work for the Missouri Department of Conservation (MDC) just out of school. Hugh (“Tom”) Holland did interview, was accepted, but never showed up for work although he was listed in an August 1, 1963, MDC personnel roster (note those phone numbers!) to start on September 1, 1963.

Lee Redmond, who graduated with Tom, was also listed on the same roster, did come to work for us and told me the story. Lee was reading a Columbia newspaper one evening in August 1963 and saw an article about how he and Tom were being hired and would start to work in September. Lee called Tom to see if he had seen the article, and Tom reportedly said, “Yes, and I am not going to work for any chicken s___ outfit that doesn’t have the decency to call and tell me something this important before reading it in the newspaper!” So, Tom took a job with The U.S. Army Corps of Engineers. Lee did come to work for MDC on September 1, 1963, and worked until 2000. He spent most of this time as Fisheries Assistant Chief of the Fisheries Management Section. (Submitted by Joe Dillard with a photo of Joe Dillard (SNR’s history professor!).)
The MU Collegiate Soil Judging team competed at the North American Colleges and Teachers of Agriculture (NACTA) national contest with solid performances by all team members and a 7th place ranking out of 12 teams. The MU team saw petrocalcic concretions for the first time and experienced the magnificent sand and loess dunes of central Nebraska. The contest was held in North Platte, Nebraska. The Sand Hills are the recharge area for the underground Ogallala Aquifer, which stretches from Nebraska to Texas.

The MU Soil Judging team is coached by Kerry Clark and captained by Alex Kalisz and Rosie Garza, both environmental science students. Their teammates include Chris Kalogeris, Madisyn Branch and Isaac Reinwald from environmental science, Wesley Clarkston from Geology, and Pierce Taylor and Sophia Short from Plant Science. Wesley was the high scorer for MU with 15th place out of 96 students.

The next competition will be in northwest Iowa October 2-7, 2022. Interested students should contact Kerry Clark at clarkk@missouri.edu or Alex Kalisz akalisz@mail.missouri.edu.

This activity was funded by the School of Natural Resources and the CAFNR Alumni Association CAFNR 150 Grant.
The SNR Monthly Reader will be distributed electronically the last working day of the month (except during breaks). Please send announcements (or if you’d like to unsubscribe) to Cindy Greenwood, Editor (greenwoodci@missouri.edu).

Top left: Sophia Short and Alex Kalisz balance on a cliff face to examine soil horizons. Top right: MU team practices classifying soil in the Nebraska prairie. Bottom left: Madisyn Branch determines soil texture by hand. Bottom right: Chris Kalogeris looks at soil structure.