DIRECTOR MARKET – SNR ACTIONS

- Attended Missouri Conservation Partners Roundtable sessions (virtually)
- Attended the fall meeting of the Prairie Fork Coordinating Committee (virtually)
- Met with Noah Stryker and attended his presentation as part of the 2021 Jacquelyn K. Jones Lecture
- Attended the Grand Opening of the Roy Blunt NextGen Precision Health Building (virtually)
- Attended meetings as a member of the Mid-MO Research Education and Extension Center (MREEC) Search Committee
- Met with Forestry alum Larry Biles

HONORS AND AWARDS

Samniqueka Halsey, Assistant Professor and CAFNR’s Faculty Fellow for Inclusivity, Diversity and Equity, received the 2021 Northeastern Illinois University (NEIU) Outstanding G.O.L.D (Graduates of the Last Decade) Alumni award. The Outstanding G.O.L.D Alumni award recognizes alumnus/alumna who have graduated in the last ten years and have excelled in his or her chosen profession. Honorees offer inspiration and encouragement as models for principled leadership and commitment to serving others. Halsey was recognized at the NEIU Golden Gala and Alumni Awards banquet.

Robin Rotman (right), Assistant Professor and JD, and Sam Carter (left), Master’s candidate, were awarded first prize in the Justice Rudolph Hargrave Writing Competition for their work It’s None of Your Business: State Regulation of Tribal Businesses Undermines Sovereignty and Justice. Their article examines state attempts to assert jurisdiction over tribal businesses which threaten tribal sovereignty. In it, they argue that it is in the interest of all Americans to hold the federal government to a higher standard in its Constitutional and treaty-bound commitments to tribes. The competition is part of the annual Sovereignty Symposium held by the Oklahoma Supreme Court. The article was published in the 2021 Symposium book and they were awarded $1500.
Our Atmospheric Science 4560 / 7650 Long Range Forecasting class participates in a weekly national long-range forecasting contest which predicts energy use 15–20 days out. The game is run by Rutgers University and there are university and industry participants. Students from our class have three first place finishes and two third place finishes. (Submitted by Tony Lupo.)

PRESENTATIONS/PUBLICATIONS/RESEARCH HIGHLIGHTS

Lupo, A.R., Kononova, N.K., Semenova, I.G., Lebedeva, M.G. 2021: A Comparison of the Characteristics of Extreme Drought during the late 20th and early 21st Centuries over Eastern Europe, Western Russia, and Central North America. Atmosphere, 12, P01033, 21 p. This was part of the following conference: “9th International Scientific Conference: Problems of Nature Management and the Ecological Situation in European Russia and Adjacent Countries”. Sponsored by: Ministry of Science Russian Federation, Belgorod State National Research University, Institute of Geography, Russian Academy of Science, Lomonosov State University, and Russian Geography Society. Dr. Lupo was a member of the Conference Program and Science Committees. Our presentation was one of the keynote presentations via Zoom.


(Photo right: One of our study systems, Stephens Lake, closed due to a cyanobacterial bloom in Fall 2018.)


EVENTS/MEETINGS/ANNOUNCEMENTS

MPF’s Grow Native! program annually presents a conference to provide its professional members with continuing education on a wide variety of topics related to the native plant industry. This year’s virtual half-day conference is open to all. We have a diversity of topics to share in our one-half day conference, including keynote Dr. Doug Tallamy, presenting “The Nature of Oaks.” Conference is free for Grow Native! professional member and MPF members. Non-members: $30. Read more about the conference and register here: https://grownative.org/conference2021/
A Living Laboratory for the School of Natural Resources

Each year, the Baskett Center is the location for hands-on learning experiences for over a dozen different courses. Several courses with field-based laboratory sections visit Baskett regularly to study topics that range from soils to plant physiology to wildlife management techniques to silviculture. Immersive summer courses provide opportunities for students to conduct forest inventories or develop management plans at operational scales. Through independent study or internships, students solve real-world problems through self-guided learning.

Field-based learning: Students learn techniques of wildlife trapping with Dr. Mike Byrne in Wildlife Ecology Methods (above); Dr. Jeff Wood discusses ecosystem gas exchange at the MOFLUX tower in Forest Ecology with Dr. Mike Stambaugh (above, right); students conduct prescribed fire to contribute to Red Card certification in Forest Fire Control and Use with Dr. Ben Knapp (right).

The Baskett Center is a critical asset for the teaching mission of the School of Natural Resources, where basic and applied sciences come together as students learn-by-doing. This month, we celebrate the teaching opportunities this resource provides, and thank the faculty, staff, and especially students who bring these opportunities to life!!

For more information, contact Ben Knapp, Superintendent (knappb@missouri.edu)
SPOTLIGHT ON SNR FACULTY, STAFF AND STUDENTS

The MU Soil Judging Team competed in the Region V Collegiate Soil Judging Contest in Crookston, Minnesota. The Mizzou team included: Jessica Anderson (senior in environmental science), Wesley Clarkston (senior in geology), Emma Critchfield (junior in plant science), Rosie Garza (sophomore in environmental science), Carlin Gray (senior in biochemistry), Kyrsten Gray (senior in geology), Alex Kalisz (junior in environmental science), and Jacob Wolken (senior in environmental science). The team was coached by Kerry Clark, Taryn Bradley and Shae Meyer. Jacob Wolken placed 4th in the individual competition, which included more than 150 students from seven universities. In a competition for group judging with mixed teams from different universities, the Mizzou team joined forces with South Dakota State and Kansas State to get first prize.

The site of the contest allowed the students to see unique soils that had formed in the past ten thousand years in the lakebed and beach deposits of ancient glacial Lake Agassiz. Lake Agassiz was once the largest lake in the world with a surface area greater than all of the current Great Lakes combined. The team spent a week examining the fertile soils of the Red River Valley, which forms the border between Minnesota and North Dakota, and which were formed from lacustrine deposits of silt from Lake Agassiz. The Region V contest is held annually in the fall and in 2021 was attended by the University of Missouri, the University of Minnesota, South Dakota State University, Kansas State University, the University of Nebraska-Lincoln, the University of Nebraska-Omaha, and Iowa State University. The Mizzou team will next compete in the NACTA contest, to be held in the Platte River Valley of Nebraska from March 30-April 2 (Mizzou spring break). Any interested students are encouraged to join the team and should contact Kerry Clark at clarkk@missouri.edu.

In conjunction with soil judging activities, SNR will be offering Soil Morphology 3500 in spring 2022. This lab course will help students understand physical, biological and chemical properties that lead to development of soil variability, and how those properties affect soil management. (Submitted by Kerry Clark.)

(Top left photo: Jacob Wolken, (bottom right in photo) works his way to a 4th place finish in the early Minnesota morning.) Bottom right photo: From Left to Right (Jacob Wolken, Jessica Anderson, Carlin Gray (farthest back), and Emma Critchfield examine Minnesota soil derived from ancient lake sediments.
(Top photo from left to right: Wesley Clarkston, Jessica Anderson, Carlin Gray and Rosie Garza examine a pit of soil derived from ancient beach deposits from Lake Agassiz.).
(Bottom photo from left to right: The Mizzou team stops to look at exposed Sioux quartzite deposits in Sioux Falls South Dakota. For many, it was their first encounter with this metamorphic rock. From left to right: (back row) Wesley Clarkston, Emma Critchfield, Rosie Garza, Alex Kalisz; (front row) Carlin Gray, Kyrsten Gray, Jessica Anderson (one person not identified).

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).