



SNR MONTHLY READER



new students get to meet with their advisors. In SNR, they arrive in 124 ABNR and go over their chosen major and an overview of their time here. At the end, each student has a full fall schedule and experience in the MyZou system! Ryan Galbierz (pictured above), is a Parks, Recreation and Sport Management major and a Summer Welcome Leader. Parents enjoy a tea and lemonade break in the ABNR courtyard during the afternoon sessions (pictured right).

Summer Welcome is Mizzou's advising, registration and orientation program for new students who will be attending classes in the Fall and their parents. Summer Welcome students have a two-day orientation full of information about their future as a Tiger. In the afternoon of Day 1, they get to meet with current students from the college and learn about all of the opportunities available to them. On Day 2, bright and early, the



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HONORS and AWARDS



Lisa Webb was awarded the U.S. Geological Survey, Cooperative Fish and Wildlife Research Unit Scientific Excellence Award for 2018. (Pictured from left: Frank Nelson, Andy Raedeke, Lisa Webb, Doreen Mengel, and **Craig Paukert**). This award is given to one Cooperative Research Unit faculty member nationwide (out of about 85 scientists) and is based on research productivity, student engagement and placement, and collaboration with cooperators. In addition to Lisa's research productivity (over 9 publications this year), her students and post

docs have received jobs throughout the country with organizations and agencies such as Ducks Unlimited, Wisconsin Department of Natural Resources, The University of Missouri, and, the California Department of Pesticide Regulation. However, what was most impressive is her relationship with collaborators. Lisa's nomination packet included letters of support from the Missouri Department of Conservation, The U.S. Fish and Wildlife Service, Nebraska Game and Parks Commission, and The Nature Conservancy. These letters indicated how Lisa's research is being used by their agencies to benefit wetland management, endangered species, and waterfowl harvest regulations. Lisa was surprised with the award when she was meeting with the Missouri Department of Conservation. We also had in attendance **Pat Market**, Shauna Marquart from the US Fish and Wildlife Service, and Barry Grand from the Cooperative Research Units. (Submitted by Craig Paukert; Photo by **Maggie MacPherson**.)

Hadley Boehm (pictured right), a PhD student with **Craig Paukert**, received the 2019 Noreen Clough Memorial Scholarship for Females in Fisheries from the Bass Anglers Sportsman Society (B.A.S.S.). There were 63 applicants from 44 universities so this was a very competitive award. The Scholarship is named for Noreen Clough, a former U.S. Fish and Wildlife Service administrator and B.A.S.S. Conservation Director, and is for a female student who demonstrates a commitment toward a career in fisheries with an emphasis on fishery management and conservation. The award will be given at the Southern Division American Fisheries Society Meeting in Little Rock, Arkansas, and also highlighted in Bassmaster magazine. (Submitted by Craig Paukert.)

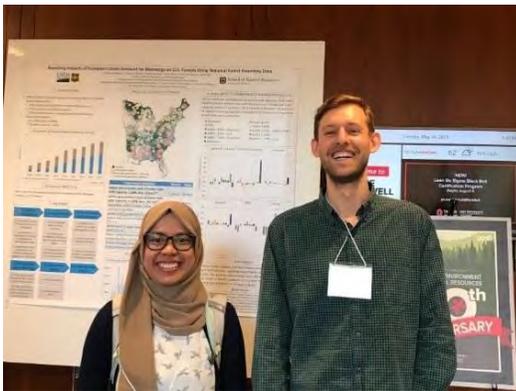


FACULTY PRESENTATIONS/PUBLICATIONS/RESEARCH HIGHLIGHTS



“**Road to Resilience – Disaster to Social and Environmental Resilience**” – this Research Summit showcased interdisciplinary work from all four UM System universities and provided a forum to stimulate system-wide collaboration and innovation around this important research subject. Assistant Professor **Damon Hall** presented “Human Dimensions of Disaster Prevention” which outlined an approach using social science methods and social-ecological systems frameworks that helps communities plan for improving the resilience of large river systems.

STUDENT PRESENTATIONS/PUBLICATIONS/RESEARCH HIGHLIGHTS



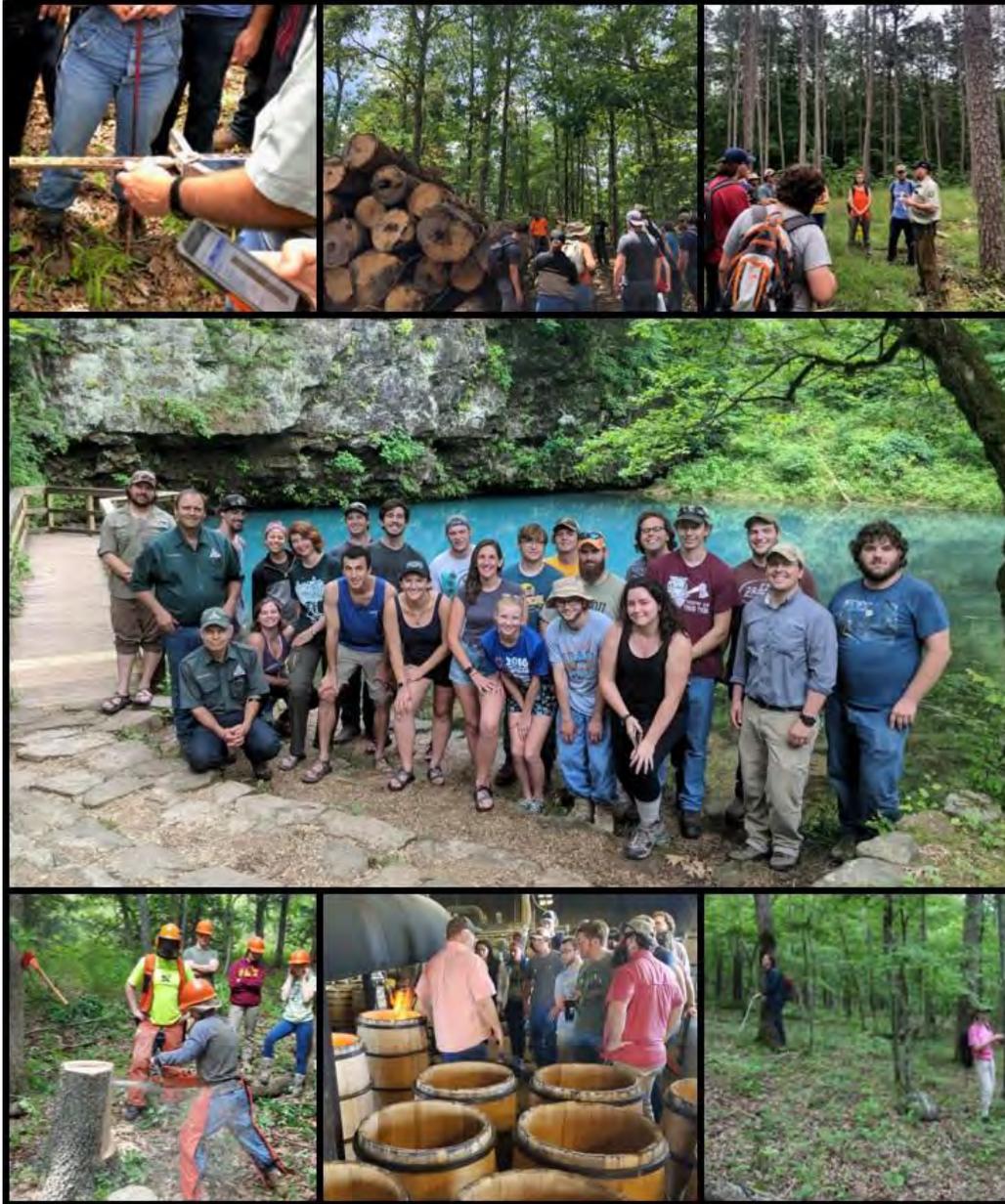
Dayu Soraya (pictured left) and **Houston Sudekum** (pictured right) partook in the International Society for Forest Resource Economics (ISFRE) conference in Columbus, Ohio. Houston won 1st place in the graduate student poster award. Both students gave presentations about their master’s thesis work.

SPOTLIGHT ON SNR FACULTY, STAFF AND STUDENTS



Robin Rotman has taken a unique path to becoming an assistant professor at the University of Missouri. She joined the School of Natural Resources after 10 years of practicing law; first at the Missouri Department of Natural Resources and more recently in private practice in Washington, D.C. Read more about Robin at the link below:

<https://cafnr.missouri.edu/2019/06/preparing-students-for-the-workforce/>



The 2019 forestry field studies courses wrapped up in early June, with 20 undergraduate students gaining hands-on experience across a range of natural resource management topics that included forest soils, natural communities, forest products, chainsaw training, forest inventory, and silviculture. Collaboration with professional partners helps to make this a successful experience for students, and we thank the USDA Forest Service (**John Kabrick**, Texas Nall, and Mike Stevens), Missouri Department of Conservation (Mike Fiaoni and staff at the George O. White nursery, Steve Orchard, Shelby Timm, Dave Whitener, and Mike Morris), Pioneer Forest (Jason Green, Levi Bachmann, and Dustin Collier), and several others (Lynn Barnickol, Jay Hayek of University of Illinois Extension, Ryan Pescaglia of Missouri-Pacific Lumber Company, Bill Swetnam of Kenmar Timber Company, and Robert Berendzen of Barrel 53) for supporting our program! (Submitted by **Ben Knapp**; Photos by Ben Knapp, Shelby Timm, **Hank Stelzer**, **Dave Larsen**.)

IN MEMORIUM

James “Jim” Brown was born 6 October 1931 in Charleston, Illinois, and grew up on a general family farm in Edgar County, Illinois. He took his eight grades of elementary schooling in a one room rural school. He graduated from Kansas Illinois High School in 1949 and attended the University of Illinois on a county scholarship. He received a B.S. degree in general agriculture and was commissioned a second Lieutenant in the U.S. Army Reserves in June 1953. Lt. Brown entered active military service in November 1953. After attending the officer’s basic course at Ft. Knox, Kentucky, he was sent to Germany where he served with the Second Armored Division. Lt. Col. Brown retired from the U.S. Army Reserves after 20 years of service. After completing two

years of active military duty, he returned to the University of Illinois where he earned an M.S. under Dr. Russ Stauffer in Soil Management in 1957. After this experience, he received a Ph.D. in soil fertility at Iowa State University in August 1963 under Dr. Lloyd Frederick with supportive advisement from Drs. C.A. Black and J.M. Bremner. Dr. Brown joined the faculty of the University of Missouri in the Soils Department January 1, 1963 with starting responsibilities for teaching a beginning soils laboratory and soil microbiology, initiating research on



nitrites in vegetables in cooperation with Dr. George Smith in soils and Dr. Vic Lambeth in horticulture and directing the chemical analysis of soil samples collected after 75 years of management from Sanborn Field (pictured above at the 130 Sanborn Field Celebration is Dr. Brown (left) **Tim Reinbott** (center), **Dr. Randy Miles** (right). As time passed, Dr. Brown developed a field research program on soybean nutrition and on micronutrients. The micronutrient work provided calibration data for the soil test currently used in Missouri.

In the mid-1960s and into the early 1970s, Dr. Brown developed a close working relationship with Dr. Ted Fisher on several facets of soil fertility. Dr. Brown added an advanced soil fertility course for graduate students to the departmental course offering. Upon Dr. Fisher's departure from the university, Dr. Brown acquired total responsibility for teaching soil fertility and plant nutrition. Dr. Brown established the Columbia-based lab of the Missouri soil testing program. He also chaired the committee in the late 1970s that completely revised the soil fertility recommendation program. That program has been in use in Missouri since that time with some revision. During the period that Dr. Gary Colliver was on the MU faculty, Brown and Colliver conducted an extensive statewide research fertility program. When Dr. Colliver left MU for Farmland Industries he was replaced by Dr. Roger Hanson. During the Hanson years at MU, Dr. Brown focused his research on nutrient management of forages, and Dr. Hanson was responsible for fertility work on row and grain crops. Later, Dr. Brown served as a member of a research team funded by the USDA to study alternative uses of food processing waste. The land application aspect of this work with Mid-America Dairymen led to the acceptance by farmers of lime stabilized biosolids from cheese plants for land application on acid low P soils of southern Missouri.

On January 1, 1985, Dr. Brown took responsibility for Sanborn Field, the oldest continuous research project west of the Mississippi River. Also in 1985 Dr. Brown visited Rothamsted in England to study management of long-term projects. That same year he spent five months on leave with Farmland Industries to study the feasibility of a regional forage management manual for Farmland. Dr. Brown organized the Sanborn Field Centennial Celebration which was held preceding the North Central American Society of Agronomy meeting in late June 1989. As a result of his Sanborn Field work, Dr. Brown participated in long-term project symposia and meetings in the USA and Europe. He served as the Director of Sanborn Field until he retired in September 1998.

Dr. Brown was well known as a hands-on, experiential field and lab-based teacher in the soil fertility and soil management courses he taught. As a result of his years on the family farm and his interaction with pedology and soil survey professionals he championed that students understand the spatial variability of soils and landscapes. He challenged students to know the reasons why specific functions and processes worked in real world soil systems. One of Dr. Brown's favorite questions in class was "Why?" This repeated question gave rise to one of Dr. Brown's most progressive classes to surprise him with a student-initiated award: "The Golden Why". Many returning graduates voluntarily spoke of the very positive experience of Dr. Brown's experiential learning format for their professional development.

The passage of a state sales tax for soil conservation made it possible for Dr. Brown to obtain funding to study plant nutrient management needs of native grasses. The work led to a proposed set of native grass recommendations submitted to the local fertility evaluation committee in July 1997. Regional and national soil testing activities were important to Dr. Brown during most of his career. He served as chair of NCR 13 (Soil Testing and Plant Analysis Committee) twice. He was editor of the revision of Recommended Soil Testing Procedures for the North Central Region in the mid-1990s. He represented NCR 13 at the organizational meeting of the Council on Soil Testing and Plant Analysis and was active in that organization for many years.

Dr. Brown served as advisor and committee member for numerous MS and PhD candidates while at the University of Missouri. His publications have included refereed journal papers, book chapters, AES bulletins and Missouri extension publications on topics related to his major field of soil fertility. Dr. Brown was elected as a Fellow of the Soil Science Society of America in 1998. He retired from the University of Missouri in September 1998. His obituary can be found at this link: https://www.columbiamissourian.com/obituaries/family_obituary/james-jim-brown-oct-june/article_6ae1bd78-8d19-11e9-934c-7b47b130b121.html (Submitted by **Steve Anderson** and **Randy Miles**; Photo courtesy of **Clark Gantzer**.)



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