WELCOME BACK

A couple events signal that fall semester is about to begin: above are Jehnna Azzara and James Ferguson at the CAFNR/SNR booth at the Missouri State Fair; The bottom left photo is the welcome breakfast for our new SNR students.

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HONORS and AWARDS

Robin Rotman (second from left front row) and Patti Quackenbush (fifth from right back row) were selected to participate in the 2019-2020 Faculty Institute for Inclusive Teaching. It is a year long program to help faculty enhance diversity and inclusivity in the classroom. (Submitted by Robin Rotman.)

John Schulz (PhD/Human Dimensions of Natural Resources) was selected for a Raymond White Dissertation Year Fellowship. (Submitted by Sonja Wilhelm Stanis.)

Dr. Chung-Ho Lin received Patent No. 10,081,790 from the U.S. Patent and Trademark Office: Bacillus-Based Delivery System and Methods of Use. This is Dr. Lin’s third patent for spore technology. (Submitted by Caroline Todd.)

SNR DIRECTOR’S HONOR LIST
Spring 2019
Semester GPA of 3.75 or Greater

Benjamin Daniel Lee Albertson
Brock Dillon Andreasen
Tyler Allen Badie
Barrett Horton Banister
Avanu N Barber
Renae Michele Beasley
Caitlin Marie Bender
Emily Louise Besgrove
Daria Alexandria Black
Nathaniel Herbert Bock
Logan M Brinkley
Dominic M Candela
Patrick Michael Carney
Kailey Jane Cartwright
Justin M Colley
Jordan Noelle Davis
Michael James Deaver
Denton Cole Diggins
Lauren Elizabeth Eagon
Ryan Joseph Eckmann
Alexis Jade Ehrhardt
Sam Ehrlich
Ahreaon Victoria Ellison
Bailey Jo Ervin
Jacob Michael Esser
Madeline Alyssa Est
Allison Nicole Farris
Samantha Ann Faust
Adam J Fisher
Summer Jewel Fisher
Ruth M Francis
Noah Michael Freemont
Isabelle Jessie Fricono
Elias B Gaffney
Annika Noel Géreau
Chloe Joy Gossett
Meredith Garner Graves
Erik M Griffen
Sierra Alexia Halstead
Trevor Merle Harthorn
Nicholas Patrick Healy
Tyler Murdock Heaton
Emma Nicole Heinicke
Sarah Joan Higgins
Patricia Ryan Hill
Ethan M Hodges
Jennifer Adele Hummel
Tony Huynh
Reesa Nicole Iffrig
Zachary Elson Johnson
Haleigh M Karl
Jack Kilz
Phillip Vincent Klenke
Logan J Kliethermes
Clayton Michael Koob
Barbara A Kuensting
Kylie Maire Kuyava-Deberg
Hannah Elise Mayse
Deanna Marie Meyer
Wyatt Austin Meyer
Aubrey Darnell Miller
Victoria P Moore
Lauren Mott
Madalyn Marie Mussey
Andrew Robert Northern
Ty Christian Olejnik
Libby JoAnn Orr
Courtney J Peterson
Robert Peterson
Drew W Phillips
Ashtan S Piercy
Anna Marie Polizzi
Amanda Grace Richter
Samuel Brian Ritter
Jordan Lee Roundtree
Luke Rubin
Ladayshia Lynnae Rushing
Scott Michael Sack
Jimmy Dale Salings
Cade Robert Schmitz
Christopher Thomas Schrader
Matthew Anthony Sedillos
Eric Joseph Simpson
Peter James Smith
Madalyn Amelia Stoecker
Harrison D Stoult
Justin Anthony Strayhorn
Sabrina Alexis Swanson
Thomas William Swenson
Justin Wayne Thoeni
Jarrett Anthony Thomas
Evan J Travis
Micah Seth Turrell
Nicholas Gunner Tyree
Henry B Valier
Jacob Michael Gunner Tyree
Hannah E Venn
Erin Marie Vanderpool
Kyle Watkinson
Rachel Ann Williams
Nathan Zachary Wright
Jacob Walter Wuellinger
Adam Michael Ziervogel

Must be academically full-time, and grades completed by the end of the semester.
PRESENTATIONS/PUBLICATIONS/RESEARCH HIGHLIGHTS

**Anthony Lupo** was invited by Istanbul Technical University (ITU) to participate as co-advisor in the dissertation defense of **Bahtiyar Efe**. His dissertation title was: *Effects of atmospheric blocking over Turkey: Climatological analysis*. Two papers are being published and one is under review. Dr. Lupo gave three presentations while at ITU for the faculty and staff.


The research group was also well represented at the 27th General Assembly of the International Union of Geodesy and Geophysics in Montreal, Canada. The research group had two oral and four poster presentations representing collaborative efforts through the Experimental Program to Stimulate Competitive Research (EPSCOR) and with the Russian Academy of Sciences A.M. Obukhov Institute of Atmospheric Physics, Belgorod State University, and the University of Mayor de San Andreas in La Paz, Bolivia. The titles of the six presentations are listed below:

**Katherine Rojas** (M.S. 2019) and **Alex Korner** (M.S. 2018): ENSO and PDO related Variability in South Pacific Circulation Patterns and Seasonal Range Prediction for the Altiplano Region of Bolivia. (Poster with Professor Jere Gilles, Division of Applied Social Science)

**Sarah Balkissoon** (Ph.D. 2020): The Fractal Characteristics of Wind Speeds within Missouri, USA. (Poster with **Dr. Neil I. Fox**)

Anthony Lupo (with A.M. Obukhov Institute of Atmospheric Physics, Moscow): Vertical Coupling of Temperature Variations During Atmospheric Blocking Events over European Russia in 2010. (Poster)

Bahtiyar Efe (Ph.D. 2019) and **Andrew D. Jensen** (Ph.D. 2014): Changes in Global Blocking Character During the Most Recent Decades. (Oral)

**Emily Klaus** (M.S. 2019) and **Joshua Kastman** (Ph.D. 2018): Does Integrated Enstrophy Project Flow Regime Transition in the Northern Hemisphere? (Poster with Dr. Patrick S. Market)

Anthony Lupo (with Belgorod State University): The Climatological and Dynamic Character of Northern Hemisphere Circulation Regimes. (Oral) (All submitted by Tony Lupo.)
Corey Clay, an M.S. (2020) student in Natural Resources with an emphasis in Soil, Environmental and Atmospheric Sciences, was hired by Weather Modification International to go to India and do weather forecasts for cloud seeding missions. The goal is to help some of the parts of India worst affected by the current drought to enhance rainfall. He will work there from 20 July to mid-October through the current monsoon season. (Submitted by Tony Lupo.)

Sarah Humfeld (pictured first from the left in top photo), Jenna Fusinatto (pictured second from the left in top photo), and Andrew Williams (pictured middle center) interacted with participants in a 4-H Sportfishing Tournament that took place at Little Dixie Conservation Area. During the educational session, Andrew taught about groundwater processes while Sarah and Jenna taught about local wildlife species. This year's event was organized by Laura Gavornik Browning, MU Assistant Extension Professor for 4-H Natural Resources and Science. (Submitted by Laura Gavornik Browning.)
Discover your options, get information on scholarships/financial aid, meet our partners from abroad and chat with students to gain first-hand knowledge of CAFNR’s unique Study Abroad Programs. Contact Shannon Dickerson or visit our website for more information.

CAFNR Fall Study Abroad Fair
Thursday, September 5, 11:30AM-1:30PM, ABNR Entrance

Explore Argentina
Winter Break
(Oct. 1 Application Deadline)
Experience the Argentine way of life while broadening your international agribusiness and marketing career opportunities. Stroll through the charming streets of Buenos Aires, ride through the breath-taking Iguazu Falls and hike the magnificent Andes Mountains.

Journey Through New Zealand
Winter Break
(Oct. 1 Application Deadline)
Gain understanding in Agriculture Food and Natural Resources while touring vineyards, kiwi orchards, meat-processing plants and farms. Learn about the culture and history of the Maori people, swim in geothermal pools and explore the Hobbiton shire and famous movie set.

Travel to Italy
Winter Break
(Oct. 1 Application Deadline)
Investigate Italy’s special role in addressing sustainability in the food system and developing solutions to the age-old problem of hunger. See the Vatican, Sistine Chapel and Coliseum, and delight in the architectural beauty Tuscany has to offer.
SPOTLIGHT ON SNR FACULTY, STAFF AND STUDENTS

We will be introducing new faculty, students, and staff in future issues.

Dr. Shuangyu Xu is a new Assistant Professor interested in sustainable tourism (especially agritourism, wine tourism, and other forms of niche tourism) using a combined stakeholder theory and GIS approach. As an alumna of the Parks, Recreation and Sport program, she is excited to come back and join the SNR team. She received her undergraduate degree in English with a specialization in tourism management from Dalian University of Foreign Languages (China). After her M.S. studies at MU, she went to North Carolina State University for her Ph.D. in Parks, Recreation, and Tourism Management, and then worked at Troy University before moving back here. She is excited about teaching new tourism classes at both the undergraduate and graduate level and welcomes opportunities to discuss ideas and the potential collaboration in research related to sustainable tourism. She also looks forward to continuing to meet SNR students, faculty/staff, alumni, and friends.

Dr. Ashley Conway has recently joined the Center for Agroforestry as an Assistant Research Professor focused on Silvopasture. Her focus will be to provide research and outreach leadership to a silvopasture program focused on understanding forage-tree-livestock interactions in the Midwest US. A ruminant nutritionist by training, she recently completed her Ph.D. in Animal Science from the University of Nebraska-Lincoln. Prior to moving to the Midwest, she obtained both her M.S. and B.S. in Animal Science at Washington State University. In between these two degrees (2010-2012), she worked as an agroforestry/agriculture extension volunteer in Zambia, Africa for the US Peace Corps. She has diverse experiences and interest in livestock production systems, grazing and cropping systems, and integrated agriculture (but has soft spots for beef, dairy, small ruminants, and producer/youth outreach programs). Ashley grew up on a small family farm, Conway Family Farms, LLC, located in Camas, Washington. The farm includes a family-managed herd of dairy goats (25-40) for Grade ‘A’ raw and pasteurized milk and artisan creamery. They also maintain a small flock of wool sheep, chickens, and bees, cultivated commercial blueberries, lavender, and vegetables for income generation.
Science Night at Jefferson Farm and Garden took place at the Research Center in Columbia. The event focused on numerous weather topics and included live KOMU weather broadcasts, a weather balloon launch and a roundtable discussion. (Pictured at the table, L-R: Pat Guinan, Neil Fox, Patrick Market, Tony Lupo, and Eric Aldrich).

The 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.