



SNR MONTHLY READER



The Horticulture and Agroforestry Research Center's (HARC) office landscape with lettuce and onions for an edible landscape (landscaping done and photo submitted by **Cheryl Recker**.)
<https://harc.missouri.edu/>

DIRECTOR MARKET – SNR ACTIONS

- Attended workshops, contributed papers, poster/exhibitor sessions of the virtual 2021 Missouri Natural Resources Conference (MNRC)
- On-going discussions with CAFNR Associate Dean for Research Shibu Jose and SNR faculty about the funding and location of the re-organized Missouri Water Center
- Participated as a panel member for CAFNR Conversations to discuss SNR's Atmospheric Science program and celebrate National Weatherperson's Day
- Participated in interviews with two Preparing Future Faculty – Faculty Diversity Postdoctoral Program candidates
- Continue to work with Craig Paukert, Eric Kurzejeski, and CAFNR Advancement on the Bass Pro proposal
- Attended CAFNR Faculty and Staff meeting
- Attended webinar about Funding for CAFNR Faculty in International Research and Scholarship presented by Dr. Kerry Clark, CAFNR Director of International Programs
- Attended the opening seminar of the MU-CAU (China Agricultural University) Joint Research Center for Water, Plants and the Environment Seminar Series



HONORS AND AWARDS



Chung-Ho Lin, associate research professor in the University of Missouri College of Agriculture, Food and Natural Resources (CAFNR) School of Natural Resources (SNR), was recently honored by the National Academy of Inventors (NAI). Lin was elected to the rank of NAI Senior Member. “I am honored to earn the rank of NAI Senior Member,” Lin said. “I appreciate the advisory committee and board of governors for selecting me for the award, and I look forward to working with the organization in the future.” The NAI Senior Member program is an exclusive award distinction created to showcase the innovative ecosystems at NAI member institutions, like the University of Missouri, which provides the supportive environment to foster novel discoveries. From these learning institutes, NAI Senior Members are chosen from active faculty, scientists and administrators with success in patents, licensing and commercialization who have

produced technologies that have the potential for a real impact on the welfare of society. Senior Members also foster a spirit of innovation within their communities through enhancing an inventive atmosphere at their institutions, while educating and mentoring the next generation of inventors. For more of the story: <https://cafnr.missouri.edu/2021/02/a-deserved-distinction/>



SNR DIRECTOR'S HONOR LIST

Fall 2020

Semester GPA of ≥ 3.75 &
Cumulative GPA of ≥ 3.0



Logan Adams
Ben Albertson
Caitlyn Allen
Jeremy Amen
Tyler Badie
Kinsey Bakameyer
Renaë Beasley
Aubry Boulware
Madisyn Branch
Jarod Briscuso
Abigail Cassimatis
Alexis Chandler
Emmy Chirpich
Skylar Ciccolini
Alexis Clemons
Suzanne Colyer
Mick Deaver
Margo Dempsey
Sydney Dixon
Hayden Dorrell
Luke Eaton
Chandler Estes
Dylan Evins
Erica Eyerly
Helena Fairchild
Laken Fairweather
Summer Fisher
Chase Fitzpatrick
Isabelle Fricano
Autumn Fuemmeler
Owen Gallagher
Cole Gander
Rosie Garza
Will Goodwin
Kristen Graser
Erik Griffen

Ryan Gross
Armana Gusewelle
Lauren Hall
Luke Harmon
Noah Haskamp
Christian Heutel
Sarah Higgins
Joe Holtsford
Leah Holzwarth
Alex Honnold
Kayla Huesgen
Jasmine Jalali
Isaac Jones
Megan Joyce
Aleksandra Kalisz
Olivia Kline
Silas Kluever
Kesley Kobielusz
Katherine Larson
Ty Leroux
Brett Lewis
Clayton Lieberman
Justin Lusignan
Peter Mallett
Victoria Marshall
Daniel McDonald
Meredith Medley
Shae Meyer
Hayden Moore
Logan Nachtrab
Libby Orr
Josh Papenberg
Josh Pearl
Ashtan Piercy
Walker Piles
Jillian Podgorny

Savana Presson
Ella Pritchett
Natalie Radt
Lily Ramsay
Crystal Rein
Christian Ricketts
Danielle Rotert
Luke Rubin
Cade Schmitz
Liz Schrader
Scott Schwartz
Max Shaw
Ellie Silvius
Sam Skelton
Nicole Smythe
Haley Steinke
Owen Steins
Erin Stevens
Emily Stork
Meredith Stumbaugh
Owen Szarka
Justin Thoeni
Nicholas Tyree
Jace Udy
Kathryn Vanden Hoek
Leeza Vasko
Rhune Verbrugge
Mackensie Wagner
Kyle Watkinson
Emma Weber
Paul Winland
Noah Wood
Jake Wuelling
Sophie Zell

Must be academically full time with 12 graded credit hours.



Pat Jones Legacy Award: In January 31, 1997 Pat donated her farm to Missouri Department of Conservation (MDC) with the hope that the School and the University of Missouri faculty and students would participate in collaborative research. Pat designated Albert R. Vogt, Director of the School of Natural Resources (SNR/MU) and Don Martin, Prairie Fork Conservation Area (PFCA) Manager as Co-trustees of the property and its activities. On December 31, 1999 Don Martin accepted a new role at MDC and Eric Kurzejeski, Outreach Programs Chief, was named the

trustee for MDC. On January 1, 2002 (after Al Vogt's retirement) Gene Garrett, SNR Director, was named MU trustee and worked together with Eric as Co-trustees. Gene retired from MU in 2009 and Eric had also recently retired from MDC. Mark Ryan, SNR Director, asked Eric, who was now an Instructor at MU, to serve as the MU trustee. In 2019, after Pat's death the preceding December, the award was given to Jamie Coe and Anita Carter for their service to the trust. This year's honoree has given 22 years to PFCA and has diligently worked to make Pat's dream of youth conservation education come to fruition. He has mentored the careers of many young faculty, staff and students as they begin their research programs. He has managed the trust funds and has provided seed money from the trust to leverage funds requested through federal and state agencies and private foundations. Pat would have scoffed at this award that honors her, but she would have wholeheartedly approved of Eric Kurzejeski receiving this year's award as she would think it was well deserved for his many years of service to PFCA. (Submitted by **Amber Edwards**; photo by **Marissa Forbis**; L-R Anita Carter, Eric Kurzejeski, Jamie Coe.)

PRESENTATIONS/PUBLICATIONS/RESEARCH HIGHLIGHTS

Hall, DM, Gilbertz, SJ, Anderson, MA, Avellaneda, P, Ficklin, DL, Knouft, JH., Lowry CS. 2021. Mechanisms for engaging social systems in freshwater science research. *Freshwater Science*, 40 (1): <https://www.journals.uchicago.edu/doi/10.1086/713039>

Knouft, JH, Botero-Acosta, A, Wu, C, Charry, B, Chu, ML, Dell, AI, **Hall, DM**, Herrington, SJ. 2021. The potential of riparian buffers to serve as climate adaptation tools for the sustainability of flow and thermal regimes in riverine systems. *Sustainability*, 13, 1877. <https://www.mdpi.com/2071-1050/13/4/1877>

EVENTS/MEETINGS/ANNOUNCEMENTS

Eat MO Carp Film Event with **Mark Morgan**: Virtual Panel Q&A Event: Join us Wednesday, March 3 at 7 p.m. for a free virtual event with researcher Mark Morgan and panel speakers. Watch the short documentary film, "Trash to Treasure," and then hear from the panel about how invasive Asian carp could alleviate global hunger and malnutrition. Your questions are welcomed. For more information about the event: <https://snr.missouri.edu/eat-mo-carp/>



F.A.S.S ZOOM MEETING

WITH GUEST SPEAKER

**STEPHEN
KLOBUCAR, PHD**

INSTITUTE OF
ARCTIC BIOLOGY

MEATEATER

“SCIENCE COMMUNICATION
IN THE DIGITAL AGE”



THUR, MARCH 4 @ 6 PM CST

MEETING ID: 947-4134-8414

PASSCODE: OFFTHEHOOK



@MizzouFASS

CONTACT: kdsctb@mail.missouri.edu

SPOTLIGHT ON SNR FACULTY, STAFF AND STUDENTS



Missouri Master Naturalist *A summary of program impacts and achievements during 2020*

The 2020 Master Naturalist Program Annual Report provides impacts and accomplishments for the year. A summary of activities and accomplishments are highlighted below for each Chapter. Local partners that provide community service opportunities for volunteers within each Chapter are also identified. These are very significant, particularly during this year when COVID-19 certainly impacted the overall program, including training, volunteer community service and advanced training opportunities. Below is a brief snapshot. The full report can be found at: <https://extension.missouri.edu/programs/missouri-master-naturalist>

- ✓ During 2020, **85 volunteers** participated in an initial core training course conducted by three Chapters; Lake of the Ozarks, Boone's Lick, and Chert Glades. These training programs had been organized prior to the COVID-19 mandated shutdowns. Volunteers were able to continue with the program through virtual sessions and on-line programming, as well as through other types of educational events conducted by the Chapter Advisors. Overall volunteer service hour requirements were reduced by 25% for Master Naturalist volunteer certification.
- ✓ Through December 2020, with combined efforts of 12 recognized Chapters, **2,644 volunteers** have been trained as Missouri Master Naturalists since the program was first organized in 2004.
- ✓ Over **11,000 hours of advanced training** were obtained by Master Naturalist volunteers during 2020.
- ✓ A total of **777 volunteers** became **Certified Missouri Master Naturalists**, maintained certification or were active members during 2020.
- ✓ During 2020, volunteers provided **49,893 hours of community service**.
- ✓ Over **715,000 hours of volunteer service** have been provided to local communities since 2004.
- ✓ Approximately **135 organizations** have partnered with Master Naturalist chapters at the local level to accomplish natural resource education efforts and service projects within the community.
- ✓ The economic impact of Missouri Master Naturalist volunteer service during 2020 is valued at **\$1,357,090**.
- ✓ The cumulative economic impact of Missouri Master Naturalist volunteer service is valued at **\$17,363,561**.

The 2020 Renewable Resources Extension Act (RREA) Popular Report (found below) showcases selected impacts that have resulted from funding provided by the USDA Renewable Resources Extension Act. (Submitted by **Robert Pierce**, **Hank Stelzer**, Extension Forestry Specialist, **Sarah Havens**, Field Specialist in Natural Resources.)

The Renewable Resources Extension Act (RREA) at the University of Missouri

The Renewable Resource Extension Act funds allocated to the University of Missouri are administered through MU Extension and the MU School of Natural Resources. Educational programs have been developed to address forest stewardship and health issues, as well as to enhance wildlife, fisheries and natural resource management on private lands and in both rural and urban communities. During FY20, *each RREA dollar was leveraged with eight dollars* of state, private and or local funds, engaging numerous partners in delivering educational programs to Missouri citizens, landowners and natural resource professionals. In FY20, RREA funds were used to:

- Enhance natural resource management on Missouri's working forests and agricultural lands by conducting webinars, workshops and field days where over 6,500 direct and indirect contacts were made, impacting approximately 50,000 acres.
- Conducted workshops, field days and virtual webinars and meetings reaching over 600 landowners through the *Missouri Woodland Steward Program*, *Women Owning Woodlands* and *Native Grass Extension Project*. Educational programming featured controlling invasive species, woodland, forest and wildlife management, and native warm season grasses for forage and wildlife habitat.
- Conducted the *Missouri Master Pollinator Steward Program* using virtual distance learning technologies with 110 adults participating. Participants gained knowledge on pollinators and the habitats upon which they depend. Information about this program and access to the core manual and other materials is available at: <http://extension.missouri.edu/pollinator/home.aspx>.
- Trained 85 new *Missouri Master Naturalist* volunteers through Chapter-based programming in partnership with the Missouri Department of Conservation during FY20. In addition, over 700 certified Master Naturalists contributed approximately 50,000 hours of volunteer service for an estimated value of over \$1.0 million during a year in which all programming and volunteer service activities were hampered by the COVID-19 pandemic.

RREA Project Director for Missouri: Dr. Robert A. Pierce II, Associate Extension Wildlife and Fisheries Professor, 302 ABNR Bldg., Columbia, MO 65211 Tel. (573) 882-43375. Email: piercer@missouri.edu



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).



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