

MISSOURI SOCIETY OF AMERICAN FORESTERS

2018 SPRING NEWSLETTER

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From the Chair

By Dan Dey, MOSAF President

Hello MOSAF! My term as Chair began on January 1, 2018, but it really didn't sink until I began preparing for the Missouri Natural Resources Conference. The business meeting was well-attended and it was a joy for me to facilitate that event. I had lots of help from our executive team members Rebecca Landewe (Secretary) and David Vance (Treasurer). Jon Skinner is doing a great job representing us on the MNRC planning committee, and Hank Stelzer, Membership Chair, put on a gourmet spread at our Society Social. David Massengale and others did another great job running our MOSAF booth and all our fundraising activities. It was pleasure and honor to present the Missouri Outstanding Forester Award to Chris Lohmann and the Karkhagne Award to John Kabrick. There is nothing finer than recognizing our colleagues for their hard work and devotion to making Missouri's forests some of the finest in the nation. There are many well-deserving foresters who are quietly and humbly doing their jobs, so be sure to nominate someone in the upcoming year. We had two committee chair openings to fill in Auditing and Awards and, respectively, Megan Buchanan and Jim Barressi eagerly stepped forward to fill those positions. Active members are what make for an outstanding Society and I sure appreciate your all's dedication to forestry in Missouri. Our goal next year for MNRC is to get more forestry presentations on the agenda, increase student involvement, and ramp up overall attendance. It is a great place to renew friendships, make new contacts and get caught up on state-of-the-art natural resource management. I hope to see you there next year.



Our membership increased slightly last year. We continue to be hearty supporters of students in forestry at MU and MSU, sponsoring their memberships, and helping with expenses for them to join us at meetings, workshops, conferences, and the national SAF convention. I thank you for your generosity towards them, they are our future in more ways than one. Don't forget to invite a colleague and friend to some of our events and encourage their joining MOSAF. Nonmembers are welcome to attend our field days. John Kabrick, Chair-Elect, is putting together an excellent spring field day and meeting event for us in mid-Missouri where the theme will be professionals and student opportunities to collaborate in forestry education. I'm looking forward to my next two years. I know time will go by too fast, but I'm prepared to enjoy the ride with all y'all!

MOSAF Special Funds Booth does well at MNRC: Massengale buys new car

By David Massengale, Special Funds Committee Chair

Ok so I didn't really get a new car, but we did do very well at the Stihl Chainsaw Raffle and the Silent Auction, bringing in over \$800 in donations. Thanks to Marty Calvert for securing the saw through Crader Distributing once again. This year they were kind enough to include four Stihl insulated 30-oz tumblers in orange and black, along with two autographed books written by Stan Crader about the history of Stihl in America. Our very own MOSAF woodworkers also supplied a great assortment of handmade cutting boards which always get a lot of attention and brought high dollar figures. We also had some unique gifts ranging from locally made whiskey (4 bottles) to books to grill tools to a model white oak whiskey barrel once owned by MDC's Osal Capps.

It's so great to see how generous MOSAF's members are as we walked away with the vast majority of items from the table. It figures that with all the alcohol on the table only one non-MOSAF person walked away with a bottle. A lot of Karkaghnes will probably be seen in the coming weeks. Thanks to everyone who helped and don't forget to be on the lookout for items for next year!

MOSAF Awards Presented at MNRC

By Rebecca Landewe, Secretary

MOSAF recently recognized two of their own at the annual Missouri Natural Resources Conference in Tan-Tar-A Resort on February 1, 2018. Chris Lohmann, private consulting forester and owner of Heartland Forest Consulting, LLC, was presented with the Outstanding Forester Award for his advancement of forest management in Missouri during 2017. John Kabrick, Research Forester with the USFS Northern Research Station, was presented with the Karkhagne Award, recognizing his career of accomplishments in the forestry profession.

Chris Lohmann is the owner of a successful consulting forestry business, Heartland Forest Consulting, LLC, and provides state-of-the-art, science-based services in forest inventory and assessments, management planning, management practices such as harvesting, thinning and prescribed burning, and urban tree services. In addition to working with private landowners across central Missouri, he is active participant in multiple professional organizations including the Missouri Consulting Foresters Association, Conservation Federation of Missouri, and Quality Deer Management Association. As a Certified Forester, certified Tree Farm Inspector, Certified Arborist, he provides professional services in urban tree risk assessment, consults with the Natural Resources Conservation Service as a Technical Service Provider and serves the Master Logger Program as a field verifier. He is a strong advocate and mentor of students in natural resources through the School of Natural Resources Alumni Board

activities. Chris's colleagues recognized him for the ongoing commitment to professional forestry by presenting him the Outstanding Forester Award for 2017.



Dan Dey (right), MOSAF Chair, presents Chris Lohmann (left) with the Outstanding Forester Award for 2018. Photo credit: Jon Skinner

The 33rd Karkhagne Award from the Missouri SAF was presented to Dr. John Kabrick. Kabrick is a native Missourian who serves as a Research Forester and Principal Silviculturist with the USFS Northern Research Station. Prior to joining the Northern Research Station, he worked for the University of Missouri and Missouri Department of Conservation. Through the diversity of his work experiences and associated collaborations with forest managers, silviculturists, ecologists, biologists, scientists, academics, and students, Dr. Kabrick developed a keen sense of how to structure science and education to address practical, on-the-ground forest management issues. Dr. Kabrick is an accomplished and highly respected silviculturist and soil scientist with more than 125 scientific and technical publications, is a coauthor of the third edition of the Ecology and Silviculture of Oaks, and served as Steering Committee Chair for MDC's Missouri Ozark Forest Ecosystem Project, which is now in its third decade. Despite this admirable list of scientific accomplishments, he is adamant that the best science is that which helps managers do their jobs better and that ultimately makes an impact on the ground by improving the forests of Missouri. In 2017, Dr. Kabrick was recognized as the 2017 USFS Silviculturist of the year. He is a Certified Forester, has been a member of the Society of American Foresters for 30 years and will lead the Missouri SAF in 2020 as its Chair.



Dr. Stephen Shifley (right) presents the Karkhagne Award to Dr. John Kabrick (left), recognizing his outstanding service to the forestry profession. Photo credit: Jon Skinner

The award's namesake – the Karkhagne (pronounced Kar-kag-nee) - is a mythical beast that is reported to roam the forests of Missouri and is the subject of considerable folklore and legend about forestry in Missouri. It is covered by fur, feathers, scales and armor plate, has a diet of limestone section corners, and can quickly escape humans or other carnivorous pursuers by completely engulfing itself within the recesses of its own hip pocket. The Karkhagne is reclusive and ordinarily travels backwards while continually brushing out his tracks with its stiff, bristly whiskers. Thus it is a difficult beast to track, and there are no known photographs of the Karkhagne. Nevertheless there have been numerous reported sightings and some detailed drawings do exist. It is reported that the best way to spot a Karkhagne is while peering down the neck of an empty bottle of Old Forester bourbon, using it like a telescope. The Karkhagne not only symbolizes the importance of Missouri's forests to all creatures, it also represents the unique and sometimes harsh nature of forestry at the turn of the last century. Thus, the Missouri SAF has selected the name and image of the Karkhagne to represent its highest honor which recognizes outstanding service to the Forestry Profession and to the Missouri SAF.

Editor's Note: In addition to the regular MOSAF awards, Fred Crouse and Shelby Jones were also recognized with certificates for 50 years of membership in SAF. Congratulations!

MOSAF Spring Business Meeting and Technical Tour— Save the Date!

Planning has begun for the Spring Business Meeting and Technical Tour. Mark your calendars now and plan to attend! The spring meeting will feature forestry education and how professional foresters can be involved.

When: April 18-19, 2018. The technical session will begin at 1:00 pm on April 18th and the business meeting will be during the evening. The second technical session will begin in the morning of April 19th and end at noon with a cookout organized by the students.

Where: The technical sessions will be held at the Baskett Research Center (<https://baskett.missouri.edu/>) and lodging will be in Columbia (location TBD).

What you'll see and do: Learn about some of the activities that forestry students are engaged in at the Baskett Research Center. Interact with the students and assist them with a student-led thinning exercise.

Contact: John Kabrick if you have questions at jkabrick@fs.fed.us or 573-875-5341 Ext. 229.



MOSAF Fall Meeting – Save The Date!

The fall meeting will be held in the Van Buren area in conjunction with the Central States Forest Soils Workshop October 9-11, 2018. Stay tuned for more information as it becomes available.

MU Student Chapter Update

By Joseph Gray, Chapter President

Since the beginning of the 2017-18 academic year the student chapter of Society of American Foresters at the University of Missouri has been active both on and off campus. This year's officers include president Joseph Gray (senior, BSF/FW), vice president Josh Groves (senior, BSF/FW), treasurer Virginia Tharpe (senior, BSF), and secretary Sera Holland (senior, BSF).

The fall semester was busy, most of the chapter's efforts were focused on fundraising to send some of the members to Albuquerque, New Mexico for the national conference. After raffling off a chainsaw and hosting a BBQ around the School of Natural

Resources we were able to send five undergraduates to the conference where they took home a top eight finish in the quiz bowl (see picture below). Back in Missouri, six of our members were able to make it up to the fall MOSAF meeting in Kirksville to tour a conservation area and socialize with the professional members over dinner (see picture below). The chapter also was able to set up a booth at CAFNR's South Farm Showcase for an outreach opportunity for kids, allowing them to learn about different types of trees and leaves.

With the start of the spring semester the student chapter sent 12 members to the Missouri Natural Resource Conference to network and meet potential employers at the student job fair. In April, the chapter is planning to help organize a stop on the Spring MOSAF meeting at the Baskett Research and Education Area in Ashland focusing on a thinning operation. Upcoming spring events include participating in the School of Natural Resources' trivia night and the first annual Mizzou SAF Movie Night.

With another year of participation in SAF, the student chapter continues to grow and we appreciate all the support from MOSAF and our forestry staff here at the university.



SNR Alumni Board To Establish Scholarship Fund Honoring Laura Hertel

Editor's Note: Those of us that attended MU in the last 20 years will certainly remember Laura Hertel and her sincere love for helping students. She has been a cornerstone in the SNR undergraduate office for many years.

SNR Alumni Association recently honored Laura Hertel at the "Trivia in the Wild" Fundraising event held Friday, March 2nd, by establishing the "Laura J. Hertel School of Natural Resources Scholarship Endowment Fund". The Scholarship is intended as an incoming freshmen scholarship for SNR. Incoming freshmen scholarship is a priority need in SNR.

Laura has touched the lives of thousands of our students over the years and the SNR Alumni Association has recognized her contributions through this well-deserved honor.



Dr. Shibu Jose, SNR Director (left), Greg Snellen, SNR Alumni Board President (right center), and Darcy Wells, Senior Executive Director of CAFNR Advancement (right), honor Laura Hertel (left center) by naming an endowed scholarship at the "Trivia in the Wild" event March 2nd..

Treasurer's Report

By David Vance, MOSAF Treasurer

Account Balances:

<i>Regular Share:</i>	\$119.39	<i>6 Month CD:</i>	\$18,608.00
<i>Share Draft Checking:</i>	\$11,136.41	<i>12 Month CD:</i>	\$18,524.42
<i>Money Market (PLT):</i>	\$11,198.60		

MOSAF did very well with the raffle and silent auction at MNRC. We made \$863.00. Thanks to all of those who bought raffle tickets and bid on the items.

Meeting Minutes – February 1st, 2018 Business Meeting

By Rebecca Landewe, MOSAF Secretary

Purpose

Business meeting to communicate MOSAF priorities and objectives for 2018

Objectives

- Provide verbal reports from all standing Committees present
- Discuss pertinent forestry issues with general membership

Agenda

1. **Welcome** Lead: Dan Dey, MOSAF Chair

Dan called the meeting to order at 3:30pm and welcomed members, students, and guests.

A certificate of appreciation was presented to Nate Goodrich for his service as MOSAF chair. Dan thanked those that were will to run for officers for MOSAF. The chapter is in need of a volunteer to serve as Auditor Committee chair and work with Treasurer to audit last year's books. Also, a volunteer is needed to serve as Awards Committee chair. Mike Hoffman has served for several years and will apprentice the new volunteer.

2. **Minutes from last meeting** Lead: Russel Hinnah/Rebecca Landewe

Published at: http://www.mosaf.net/uploads/3/0/0/4/30049205/fall_2017.pdf

Gene Brunk made a motion to approve the minutes from the fall meeting. Shelby Jones seconded the motion. Motion carried.

3. **Treasurers Report** Lead: David Vance

David Vance distributed his report and a summary of 2017 finances. Project Learning Tree account is fairly stable. Student sponsorship balance (tracked separately to go towards membership dues or sponsorships to attend national conference) is \$805. He has the books available for the volunteer Auditor.

4. **Awards** Lead: Dan Dey

Fellows – Dr. Shibu Jose

Golden Membership – Shelby Jones and Fred Crouse

Blackjack – TBD

MOSAF Award Ceremony tonight 7:15 Salon C

- MOSAF will nominate Shibu Jose for the Fellows award
- Shelby Jones and Fred Crouse recognized for 50 years of membership with SAF. Shelby encouraged younger members to volunteer and give to the organization.
- Karkhagne Award and MO Outstanding Forester Awards being given out at evening awards ceremony. (Recipients: John Kabrick Karkhagne Award; Chris Lohmann Outstanding Forester Award)
- Project Learning Tree – Erica Cox
- Offered first forestry institute in June with 6 teacher participants. Plan to offer it again in 2019.
- Hank Stelzer, Francis Main, and Cody Bailey worked on Missouri Forestry Supplement to the Southern Forests and Climate Change book
- 2017 workshops – 2 early childhood and 2 secondary hosted, 8 regular K-8 workshops; thanks to the SAF foresters that spoke at the workshops
- 2018 workshops - Early childhood programs getting interest – Environmental Experiences curriculum intended for Pre-Schooler
- At national level, Project Learning Tree used to be sponsored by American Forests Foundation, now Sustainable Forestry Initiative has taken over sponsorship of program.

5. Committee Reports Lead: (Committee Chairs)

- Audit (vacant)
- Communications (Jon Skinner)
 - Discussed providing articles to SAF members that can be tailored and shared with local newspaper
 - Chris Lohman is new newsletter editor and looking for articles/content submissions for March newsletter
- Council, Fellows and Awards (Mike Hoffmann)
 - Award recipients selected and presented at ceremony
 - Needs volunteers to review scholarship applications
 - Mike stepping down next year and there is a calendar of responsibilities for that position; noted as fun and rewarding position within the organization
- Education (Dan Dey)
 - Dan is point of contact for CFEs, please contact him if you have any problems
 - Open to suggestions for workshops and training
- Long Range Planning (Dan Dey, Nate Goodrich, Joe Alley)
 - No formal report for this meeting
- Membership (Hank Stelzer)
 - Handed out membership charts with demographics
 - Membership is up slightly from last year
 - Discussion about student sponsorships and covering student membership; This year several people volunteered to cover the membership fees for those students needing membership

- Discussed idea of having informal local/regional meetings of SAF members
- Discussed age breakdown of current membership and recruiting mid-level career professionals to become members
- Encouraged members to invite potential new members
- Dan is going to focus on helping build membership and reaching out to Mark Twain and forest products industry
- David Vance spoke about voluntary donation to sponsor student memberships – collected \$200-300 at each of the last two meetings; each donation helps cover new student memberships and consider this when you register for the next meeting; have ~\$800 balance
- Nominating (Gus Raeker)
 - No new reports; thanks to those willing to run for office
 - Dan commented that we all need to spend a few minutes to support nominating committee with suggestions
- Policy and Legislation (Matt Jones)
 - Matt not present, but submitted report via email to Dan - No issues this year that look relevant and nothing on the horizon
 - Matt requested other interested individuals to contact him if willing to serve on the committee
- Program (John Kabrick)
 - Spring and Fall meeting planning ongoing
 - Tentative plans for end of April/beginning of May – Suggestion is to hold it in Columbia and assist with student timber marking project at Baskett management area; would like to use it as a fundraiser to help cover costs for national meeting; also the flux tower and maple syrup operation there that could be part of tour
 - Oct 9 – 12th – partner with Central States Soils Workshop; Kyle Steele, USFS, will be coordinating field tours on Eleven Point District on the Mark Twain; based out of Van Buren; possible canoe trip prior to the meeting; Hank Stelzer suggested inviting central state SAF chapters
 - If you have suggestions for technical or other meetings, send them to John Kabrick
- Special Funds (David Massengale)
 - Funds collected ~\$380 in chainsaw; ~\$400 in silent auction items
 - Blackjack Award – Rebecca Landewe
- Tellers (Aaron Moore)
- Forest Science (Ben Knapp) – no report
- Newsletter Editor – Chris Lohmann
- Website (Jon Skinner)
- MNRC Steering Committee (Jon Skinner)
 - Thanked the people that have stepped up and volunteered to lead MNRC committees
 - Discussed theme for the 2020 conference
 - Need Visual Aids person to volunteer
- Historian (Dave Larsen)
 - Received box of information from Greg Hoss.

6. Reports from National Office

- HSD Meeting & National Convention Overview (Nate Goodrich)
 - Contract with Matt Menashes as CEO was not renewed. Have two people in 'acting' position while they search for new CEO
 - Evaluating potential change to membership levels – proposing to combine the professional membership levels into one category rather than the current four options
 - Discussed national office building and decision to retain current building and progressively renovating

7. Old Business - None

8. New Business

- Jason Jensen testified in committee hearing about bill that would allow feral hogs to be processed in inspected facilities. HB1414 – introduced by Rep. Taylor
- Conservation Federation of Missouri, from Feb 21 – Mar 14, is organizing weekly outdoor-themed events to talk to elected officials about issues relevant to conservation
- General discussion about opportunities to provide input to legislature
- New member recognition – two new members introduced themselves
- Student members attending introduced themselves
- Report from student chapter - 6 undergrad and 4 grad students went to national convention; quiz bowl team finished 5th

9. Reports from Agency Representatives

- Mark Twain National Forest – Sherri Schwenke
 - National Items
 - New Chief and Secretary of Agriculture – both interested in more management to address wildfire situation and support rural economies
 - MTNF - Currently producing 65 million bf, expect that to increase
 - Hiring through events at the national SAF convention
 - MTNF
 - Received objection to Forest Health Initiative project
 - Expect 180 million bf focused on oak decline
 - Received from Great Rivers Environmental Law Center, working through the process
- FS Northern Research Station
 - Hired a technician, starting in February
 - Will have a President Management Fellow joining as restoration ecologist in April
 - Revising the Paul Johnson oak book, will be 3rd edition
- Natural Resources Conservation Services
 - NRCS now under Farm Production and Conservation – no Under Secretary yet and so no new Chief
 - Hiring freeze for the past year, currently short staffed
 - Farm Bill programs – planning and ranking ongoing with obligations for contracts coming next

- University of Missouri – Shibu Jose
 - Shibu Jose serving as SNR Director
 - There is a new Dean for the CAFNR and new Chancellor
 - Currently under Interim Provost; committee working to find new Provost
 - Discussion about budget cuts – 21% cut with another 10% proposed
 - Discussed metrics collected by University and American Association of Universities – SNR doing well according to these metrics
 - Student numbers had slight increase in SNR, whereas the rest of the campus is declining; SNR has largest number of undergraduate and graduate students in CAFNR
 - Programs ranked nationally
 - Faculty numbers – lost 14 in last 3 years; since August have added 5 new faculty; beginning search for soil health and nature-based tourism faculty
 - Dave Larsen, Chair of SAF accreditation process committee – visit scheduled in April, documents being reviewed/approved internally, reaccreditation was scheduled in 2016 but postponed until 2018 due to staffing gaps; accrediting 2 curriculums – Forest Resources and Terrestrial Ecosystem Management
- Missouri State University – Mike Goerndt
 - Student registration in forestry courses is increasing
 - Dean back after dealing with medical condition
 - Temporary courses are becoming permanent
 - More than 20 students getting forestry minor
 - Students attending conclave again this year
 - SAF Chapter – received general verbal approval from state SAF office; Forestry Club working on bylaws
- Missouri Department of Conservation – Lisa Allen
 - Agency-wide
 - New strategic plan for 2019 – 2024 finalized recently
 - Developed Outcome Champions for monitoring progress and reporting progress, as directed by Governor's office
 - Feral hogs – continue campaign to eradicate, particularly on conservation areas; making progress and partnering with USDA APHIS
 - Chronic Wasting Disease and containment – mandatory sampling completed and found very few positive
 - Forestry Division
 - Public land – received SFI certification last fall, Marty Calvert is new certification manager; impressed with rigor of program and audit; 650,000 acres
 - Private land – promote Tree Farm program and MO Managed Woods program; MMW rolled out softly
 - Community Forestry – 40th anniversary of Tree City USA with about 100 enrolled; challenged MDC staff to get 40 more Tree Cities
- Missouri Consulting Foresters – Lynn Barnickol
 - Retaining membership – 45 members

- Winter meeting coming up Feb 22nd – 23rd
- Missouri Forest Products Association – no report
- L-A-D Foundation/Pioneer Forest – Susan Flader
 - Discussed staff – third generation of staff working on forest
 - John Karel stepped down in October as President; Susan currently serving as President
 - Record timber sales
 - CFI measurement this year using new technology
- Crawford Electric Cooperative – Terry Gordon
 - 3200 miles of above ground line to trim every 4 years
 - Struggling to find competent tree care workers and restrictions (e.g., bat restrictions) limit ability to complete

10. Adjourn

Gene Brunk motioned to adjourn, Hank Stelzer seconded. Meeting adjourned at 5:10pm.

(The following article is for you to share with your local paper. Modify as appropriate for your locality.)

Help Your Trees, Kill The Grass!

Research from Kansas State University's John C. Pair Horticultural Center has quantified the effect of controlling grasses around newly planted trees. The researchers conducted a study to investigate the inhibition of growth of transplanted, seedling trees when lawn grasses were allowed to grow up to the trunk. There were five treatments, including three with different species of grass:

1. Bare soil maintained with herbicides.
2. Area under tree mulched 3 inches deep.
3. Tall fescue allowed to grow under tree.
4. Bermudagrass allowed to grow under tree.
5. Kentucky bluegrass allowed to grow under tree.

There were no differences in any measure between the mulched treatment and the bare soil treatment for either tree species. All measures showed significant growth increases if lawn grasses were controlled around the tree.

Results include the following:

1. Caliper: The diameter of the stem measured 6 inches above the soil surface were twice as large for plots without grass than for those with either fescue or bluegrass, but only 50% larger when compared to the bermudagrass plots.
2. Top growth weight: Redbuds showed a 300% weight advantage for plots with grasses controlled than those without. Pecans showed a significant 200% increase.
3. Leaf area and leaf weight: Leaf areas were 200% larger in plots without grass competition and leaf weight showed a 300% increase.



The obvious conclusion from this study is that grasses must be controlled under a tree to get the best possible growth. Though there were no differences in growth whether mulch was used or not, you may still wish to mulch for aesthetic reasons, add organic matter to soil, or to help control weed growth. How far from the trunk should the grasses be controlled? Try a minimum of 3 feet.

(Research paper posted at: <http://hortsci.ashspublications.org/content/42/2/267.full.pdf>)

The Missouri Society of American Foresters (MOSAF) is a State Society of The Society of American Foresters (SAF). MOSAF and SAF is a professional society dedicated to sound forest management and conservation.