Dr. Cutter Retires after 34 years

Forestry Department visits Costa Rica’s Earth University

Outstanding Faculty and Staff Awards

Fisheries and Wildlife Alumna wins Fulbright Scholarship

South Farm Showcase 2012
Dear Readers,

My family and I recently saw the stage version of *The Lion King*. One of my favorite lines in the play (and movie) is wise, old Rafiki saying, “Change is gooood!” If Rafiki is right (and those who know me, know I strongly believe that he is!), then things are definitely good (even great) in The School of Natural Resources.

Perhaps the greatest change we experienced this fall is in our enrollment. For the first time in our history the School is home to more than 1000 (~1050) students! Enrollment on our first day count totaled ~930 undergraduates and ~120 graduate students. Most of our growth was in Parks, Recreation, and Tourism (a result of huge interest in the recently established emphasis in Sport Management), but all of our departments experienced growth. Honestly, we are bursting at the seams in the Anheuser Busch Natural Resources Building (ABNR) – but, in this economic climate in higher education, it is much better to be growing than not. The growth benefits us via additional resources (never enough, but it all helps!), higher probabilities of filling faculty vacancies, and positive image on campus. The downside? We are having to teach more of our courses away from ABNR because our classrooms just aren’t big enough. And, demand for vans for field trips, etc. is outpacing our capacity. Faculty teaching and advising loads are increasing. In the short term we are meeting this demand without major problems, but faculty time remains finite and, long-term, there will be a cost to research productivity. We also are using more adjuncts to teach some of our courses. These folks are great! But, continuity is harder to maintain with temporary faculty. All in all, the growth will benefit us.

Another huge change within SNR is the faculty-approved consolidation of our Graduate degrees. Although we are awaiting final approval from higher administration, we fully expect to formalize the new degree structure by January 2013. Moving forward our faculty will award one of 7 Emphasis Areas (shown on transcripts) under a single M.S. and single Ph.D. in Natural Resources. The Emphasis Areas include traditional foci in: Fisheries & Wildlife Sciences; Forestry; Parks, Recreation, and Tourism; and Soil, Environmental & Atmospheric Sciences. New, interdisciplinary Emphasis Areas include: Water Resources; Human Dimensions of Natural Resources; and (M.S. only) Agroforestry. This new structure retains our historical strengths and builds on new, interdisciplinary ones throughout SNR.

Other positive change comes with new faculty and staff hires. Tyler Hack, Assistant Teaching Professor (PRT/Sport Management) and Patrick Patterson, Advising Coordinator (PRT) have joined our team since the last issue of *The Resource*. Most recently, Dr. Amanda Rosenberger joined the Missouri Cooperative Fish and Wildlife Research Unit as Asst. Coop. Leader (Fisheries); and Dr. Ben Knapp, Assistant Professor (Silviculture) joined our Forestry Faculty. In Oct. we received permission to recruit a new Assistant Professor (Professional Track - Teaching) for PRT to help deliver the core curriculum - this in response to the huge enrollment surge in the department. And, we got the go-ahead to add a new full-time staff position for PRT, as well. We anticipate several additional faculty hires, in response to retirements in Forestry and perhaps elsewhere over the next 2-3 years.

In other changes, Dr. Bruce Cutter retired in May 2012 after 34 years of exceptional service to MU and the School. Dr. Rose-Marie Muzika assumed Bruce’s prior role as Associate Director of the School. And, Dr. Hank Stelzer replaced Rose-Marie as Chair of the Department of Forestry.

I believe change is inevitable – some of it purposely generated, some of it to be absorbed, all of it to be managed for a better future. The School is (bigger) and better than ever!
Outstanding Faculty, Staff and Students

Staff Advisory Council Names Anita Carter a Service Champion

In October of 2011, Anita Carter was the recipient of the MU Service Champion Award. She went above and beyond and embodies MU’s four core values of respect, responsibility, discovery and excellence. The School of Natural Resources thanks you Anita for your exemplary service and caring attitude.

Laura Hertel – Excellence in Education

Congratulations to Laura Hertel for being a recipient of the 2012 Excellence in Education award! She and nine other recipients were honored April 18th at the Reynolds Alumni Center. Each recipient was chosen based on their contributions outside the classroom. Great job Laura and keep up the good work!

Janice Faaborg: 2011 Shout Out!!

Out of 11 nominees, Janice was the December 2011 winner of the Advising Shout Out! Award. In order to be selected, students had to describe what makes their advisor excellent. A couple of quotes from the nomination include, “Janice’s door is always open and welcoming. From an advising standpoint, she can accurately advise from a faculty and student point of view. Her knowledge on the courses offered to her students is unmatched,” and “To better her advising, Janice is always eager to hear about future plans. She is constantly asking what student’s interests are and what they hope to do with their degree. With this information she assists students in course choices that individually suit them rather than just giving them a generic course plan to graduate.” Congratulations to Janice on her award and to the other nominated advisors.

Teacher, Mentor, Winning Advisor

Sonja Wilhelm Stanis teaches three courses for Parks, Recreation and Tourism, advises natural resources management emphasis students and still finds time to visit with students that stop by her door. While working on her research, Sonja employs an open door policy that allows any student to come in with questions. Her nominator stated, “Her patience and kindness is unmatched.” Congratulations Dr. Wilhelm Stanis on winning the March 2012 Advising Shout Out! Award and keep up the good work!

Student, Faculty and Staff Awards in Parks, Recreation and Tourism

Some significant awards have been added to the resumes of recent graduate student Hua Bai with her 2012 Academy of Leisure Sciences Future Scholars award. Hua is mentored by Dr. Wilhelm Stanis. Faculty and staff have been busy collecting awards too. Jennifer Upah was recently awarded the National Park, and Recreation Association Young Professional Award. Patrick Patterson, our academic advisor, was also recognized by the Dean’s Staff Council for his Above and Beyond efforts.
After 34 years of service, Dr. Bruce Cutter retired from the School of Natural Resources in May. A doctoral recipient in 1979 from MU, Dr. Cutter has spent his research studying the relationship between tree growth and environmental influences. During his time as a faculty member and Associate Director of Academic Programs, he served as President of the Graduate Faculty Senate and won the 2009 Outstanding Teacher Award. Upon Dr. Cutter receiving the award, Gene Garrett stated, “I have always suspected that he was a favorite of students.” He knew he would be missed when he received a standing ovation from the students during the Spring 2012 graduation. Enjoy your retirement and good luck on your future endeavors!

Shibu Jose and colleagues (Newell Kitchen, Felix Fritschi and Sougata Bardhan) have received a $5.4 million grant from the US Department of Energy to study sustainable production of biomass and biofuels. This is part of a $21 million joint US-India Clean Energy Consortium Grant.

Shibu Jose was the opening keynote speaker at the 2nd National Silvo-pasture Congress in Santiago del Estero, Argentina in May 2012.

Bob Kremer traveled throughout the wheatbelt of Western Australia for three weeks in September 2012. He spoke at field days on soil health and crop productivity as part of the Department of Agriculture and Food-Western Australia (DAFWA) Visiting Specialist Program. He presented seminars at DAFWA regional centers and worked on potential collaborative research planning with DAFWA colleagues and presented a lecture to the Australian Herbicide Resistance Initiative group at the University of Western Australia-Nedlands. In addition, Dr. Kremer participated and presented at the 7th Australasian Soilborne Diseases Symposium in Fremantle.
Bob Kremer, Adjunct Professor of Soil Science The University of Missouri and the Environmental Sciences Division of Oak Ridge National Laboratory have collaborated since 2003 on a research project at the Baskett Research and Education Area near Ashland, Missouri that monitors the carbon and water balance of Missouri’s oak-hickory forest on a large scale. This Department of Energy-funded site, a member site to an existing network of “AmeriFlux” sites, employs a 106 foot tower above the canopy of oak-hickory forest at the area. Mounted on the tower are sophisticated meteorological instruments to measure temperatures, humidity, wind direction and speed, carbon dioxide and water vapor content above the canopy ten times per second in a technique known as eddy-covariance analysis. This data can be used to estimate the CO2 and water vapor uptake and release of up to 250 acres of forest, giving an ecosystem-level answer to when forests are “sources” (net releasers) and sinks (net absorbers) of CO2. Results have indicated that the oak-hickory forest at the BREA is a sink for CO2 (i.e., it takes up more than is released during an annual cycle). This is so even in dry years, but the net amount of annual uptake is reduced during drought years. There have been numerous publications from work at the site, including one that was awarded an international award to a paper for which our AmeriFlux site contributed. The following paper: Yi et al. (2010). Climate control of terrestrial carbon exchange across biomes and continents. Env. Res. Lett. Vol. 5 (doi: 10.1088/1748-9326/5/3/034007) has been awarded the World Meteorological Organization’s 2012 Norbert Gerbier-MUMM Award for its contribution to the literature of carbon-climate links. The 150-odd co-authors (my primary collaborator at ORNL and I were 2 of these co-authors) illustrates the nature and scale of modern climate-biosphere research and the critical value of individual sites to meta-analyses. Story submitted by: Steve Pallardy.

Norbert Gerbier- MUMM International Award

To encourage and reward an original scientific paper on the influence of meteorology on a particular field of the physical, natural or human sciences or on the influences of one of these sciences on meteorology. The award is therefore intended to stimulate interest in research in these areas.

WMO Award for Paper

The University of Missouri and the Environmental Sciences Division of Oak Ridge National Laboratory have collaborated since 2003 on a research project at the Baskett Research and Education Area near Ashland, Missouri that monitors the carbon and water balance of Missouri’s oak-hickory forest on a large scale. This Department of Energy-funded site, a member site to an existing network of “AmeriFlux” sites, employs a 106 foot tower above the canopy of oak-hickory forest at the area. Mounted on the tower are sophisticated meteorological instruments to measure temperatures, humidity, wind direction and speed, carbon dioxide and water vapor content above the canopy ten times per second in a technique known as eddy-covariance analysis. This data can be used to estimate the CO2 and water vapor uptake and release of up to 250 acres of forest, giving an ecosystem-level answer to when forests are “sources” (net releasers) and sinks (net absorbers) of CO2. Results have indicated that the oak-hickory forest at the BREA is a sink for CO2 (i.e., it takes up more than is released during an annual cycle). This is so even in dry years, but the net amount of annual uptake is reduced during drought years. There have been numerous publications from work at the site, including one that was awarded an international award to a paper for which our AmeriFlux site contributed. The following paper: Yi et al. (2010). Climate control of terrestrial carbon exchange across biomes and continents. Env. Res. Lett. Vol. 5 (doi: 10.1088/1748-9326/5/3/034007) has been awarded the World Meteorological Organization’s 2012 Norbert Gerbier-MUMM Award for its contribution to the literature of carbon-climate links. The 150-odd co-authors (my primary collaborator at ORNL and I were 2 of these co-authors) illustrates the nature and scale of modern climate-biosphere research and the critical value of individual sites to meta-analyses. Story submitted by: Steve Pallardy.
Welcome New Employees

Dr. Amanda Rosenberger
Cooperative Assistant Professor Fisheries and Wildlife

Amanda earned her PhD in 2003 from the Virginia Polytechnic Institute and State University before coming to Mizzou. Her research interests are in the ecology and conservation of freshwater fishes with an emphasis on the role of ecological processes in shaping fish distributions, population characteristics, and community structure. Her specialties include fish habitat modeling, threatened and endangered fish, stream fish sampling and sampling validation, effects of wildlife on fish and fish response to drought. She is currently working on six research projects with students and other collaborators.

Tyler Hack
Assistant Teaching Professor
Parks, Recreation & Tourism

PRT’s newest faculty member comes to us from the University of Indiana. Tyler teaches within the recreation, leisure and sport management curriculum. His research takes a sociological approach to the investigation of intercollegiate sport fan identity, consumption, attendance and behavior. In addition, his research examines recreational and intercollegiate sport participant identity, motivation and commitment.

Amber Edwards
Outreach and Education Coordinator-Prairie Fork Conservation Area

After working part-time for two years, Amber Edwards accepted our offer to become the full-time Education & Outreach Coordinator this past June. Amber also serves as the Program Coordinator for the Conservation Careers Summer Academy. Additionally, she is the volunteer coordinator for the raptor rehabilitation project.
Corinne Carpenter  
Executive Staff Assistant

Corinne is the new Executive Staff Assistant in the SNR Director’s Office. Corinne is an MU Graduate with a degree in International Studies. With a shining personality and smile, she will be happy to answer questions or concerns.

Patrick Patterson  
Advising Coordinator PRT

Patrick is the Academic Advisor for the sport management emphasis in the department of Parks, Recreation and Tourism. With such a large increase in enrollment, Patrick has gone above and beyond to help each student. Patrick recently completed his Master’s degree in Educational Leadership and Policy Analysis.

Dr. Ben Knapp  
Assistant Professor  
Forestry

Teaching silviculture, Ben Knapp comes to us after receiving his PhD in 2012 from Clemson University. His research interests are in applying better forest management practices to meet specific objectives through the understanding of the ecological effects of silviculture. Through his work, the integration of ecological theory with the silvicultural application helps to demonstrate a wide variety of management challenges and needs.
During the week of September 25, the University of Missouri Board of Curators named Jack Jones as a Curators’ Professor. Jones is currently the J. Michael Dunmire Professor and Department Chair of Fisheries and Wildlife.

With only four named Curator’s Professors this year at Mizzou, this is the University’s highest and most prestigious rank.

The board looks at contributions to the University through services and research. According to CAFNR News, “Only outstanding scholars with established reputations are considered for the appointment.”

Jones has earned many awards during his time at the School of Natural Resources. He is a four time Student Council Outstanding Faculty Award winner and has also received the MU Graduate-Professional Council Gold Chalk Award and the MU Alumni Association Faculty Award.

The Curator’s Professors, “are designed to be a resource to the entire University through teaching, scholarship, service and outreach activities.”

For the full story in CAFNR News by Randy Mertens, click here.
In a joint research project between the Center for Agroforestry and the Department of Veterinary Pathobiology researchers have completed the preliminary tests on enzymes that will deteriorate dangerous wartime chemicals in a more cost effective way. Chung-Ho Lin, a Research Assistant Professor of bioremediation and phytoremediation, is heading the project with George Stewart, the McKee Professor of microbial pathogenesis and Chairman of the Department of Veterinary Pathobiology.

The enzymes are able to break down the nitrogen-rich explosives left over from wartime; however, they are fragile and are easily inactivated in any harsh environment. To deliver the enzymes to the pollution, Lin and Stewart chose to use bacterial endospores. The endospores are able to live in harsh environments and do not break down easily.

Lin has been working on ways to break down the contaminants for more than a decade. He started with using native grasses of Missouri then considered living microorganisms. Then, while working in a lab with Stewart and two postdoctoral fellows, Brian Thompson and Hsin-Yeh Hsieh, they came across the technique of the enzymes. According to CAFNR news, “Lin is pleased with the initial research results. He found that the spore-enzyme system degrades the pollution by 20 to 50 times more effectively than applying the enzymes to the pollution alone. In an early test, TNT compounds began to be significantly degraded within 10 minutes.”

Using the bacterial endospores and enzymes is more cost effective than today’s current method of incineration, composting and detonation. The cost of using the later method costs around $100,000 to $1 million per acre and using the method can still damage the environment.

Both Lin and Stewart will attend the International Conference on Gram-Positive Pathogens in Omaha during early October to present their findings. To read the article written by Randy Mertens in CAFNR news, visit http://cafnrnews.com/2012/09/sticking-to-it/.
Elk in Restoration Zone are Sporting a New Look

The Missouri Department of Conservation and the University are working on a cooperative research project regarding elk at the Peck Ranch Conservation area. The elk will be wearing radio collars that will provide information that is critical to track the success of the elk restoration project. These Global Positioning System enabled collars may also assist the MDC in deterring poachers as well. Joshua Millspaugh, professor of Wildlife Management in SNR is working on the project and added, “Close monitoring leads to effective management, and using radio collars is the most effective and efficient way to do this.” He would like to monitor what management practices are attracting and discouraging the elk. Additionally, survival data will be collected to assist in predicting the rate of growth in the population. Elk biologist, Jason Sumners, is thrilled to partner with the University and bring aboard their expertise. The elk restoration zone stretches over Shannon, Carter and Reynolds counties in Missouri and the research project is funded by the Wildlife Restoration Program.

To see full story click here.

University of Missouri Center for Agroforestry Facilitates Transfer of Research to the “Real World”

Elemental Enzymes Inc., a spin-off of collaborative work between Chung-Ho Lin, George Stewart and Brian Thompson, has recently received a number of awards. Recognition includes: 1st Place, TechLaunch Program at the Missouri Technology Corporation; Missouri Dept. of Economics Development Small Business Program; 2011 Rising Star of Innovation and Entrepreneurship Award by the Missouri Small Business Development Center; State Wal-Mart Business Plan Competition; Regional Wal-Mart Business Plan Competition; invited to National Wal-Mart Business Plan Competition; and has been chosen to represent MU for the Rice International Business Plan Competition (chosen as one of final 42 teams among 1600 international competitors). Click here to see more. Story submitted by: Chung Ho Lin

PRT Department Anniversary

This year marked the 35th year of continued accreditation review by the National Parks and Recreation Association. The department made their final presentation to the council in Anaheim, California on October 15th. Mizzou is among the oldest accredited PRT programs in the United States.
Our trip was funded entirely by a USDA grant that Dr. Aguilar received. Part of the USDA grant is going to be used to send three Forestry students to Costa Rica for five weeks for the next three or so years. Kaitlyn, Cory and I were the first students to get to go on this particular trip. Essentially, we spent the first four weeks of the trip doing study abroad courses through EARTH University; one course was on Sustainable Agriculture and the other was on Forests and Carbon Sequestration. These two courses took us all over the country of Costa Rica. We visited places like Guanacaste, Monteverde, La Selva Biological Research Station, Tortuguero, Puerto Viejo/Sarapiqui, Venecia (where I did my three day homestay), Liberia and Earth La Flor, to name a few. We got to see everything from natural forest reserves to pineapple farms, plus many awesome animal species. The fifth week was the week that Dr. Francisco Aguilar, Dr. Hank Stelzer, Dr. Nadia Navarette-Tindall and Mr. Steve Jarvis came to visit. We got to tour more of Costa Rica with them, going around to various lumber companies and logging sites.

Cory and I also visited a medicinal herb/botanical garden with Nadia. At the end we got to visit Volcan Poas and one of Nadia’s volcanologist friends gave us some cool information about the volcano. We also visited San Pedro and toured San Jose a bit to go shopping at the markets before we left. Overall, the experience was a once in a lifetime opportunity. This was my first time being out of the country, so it was a little scary at first, but then I got into the swing of things. I got to learn about new cultures, saw many amazing forests and beaches and came across many different types of insects, frogs and snakes. The experience made me realize how truly different their practices are compared to the practices we use in the United States.

Story submitted by: Ashley Schulz
Congratulations!

Jeff Schneiderman, Wenjuan Wang, and Christopher Bobryk, doctoral students from the Forestry Department’s GIS and Spatial Analysis Laboratory directed by Dr. Hong He, received distinguished travel awards to attend the 2012 Annual Symposium of the U.S. Regional Association for the International Association for Landscape Ecology (US-IALE); held in Newport, RI in early April. Jeff Schneiderman and Wenjuan Wang received the US-IALE and University of Rhode Island’s Coastal Institute Sponsored Student Award, valued at $500. Christopher Bobryk received the NASA-MSU Professional Enhancement Award, valued at $700. The recipients each gave oral presentations addressing the theme of the symposium, “Informing Decisions in a Changing World”, and were acknowledged for their achievements during the annual symposium banquet.

-Submitted by Dr. He

Soil, Environmental & Atmospheric Sciences Student and Sustainahouse Founder

Claire Friedrichsen is one of the minds behind an experiment launched in fall of 2011. She said that while applying to the university, she noticed that many schools had some kind of environmental based living community. This led to the creation of Sustainahouse: six students in one house together with a plan, a plan to cut utilities 20% for the average six person household. Sustainahouse tenant’s have a job to reduce the daily use of natural resources through projects and be an example to neighbors and fellow students. To learn more, check out their Facebook page by clicking here.

PRT Students Deliver Study at MPRA Workshop

In February, five outstanding Parks and Recreation students delivered a feasibility study on potential revenue producing activities at the annual Missouri Parks and Recreation Association Conference. Alyssa Reynolds, Chase Whisenhunt, Laura Thal, Dan Beryl and Cara Thurston did an outstanding job. Mizzou took 20 students to the fall Missouri Parks and Recreation Association Student Workshop at the Lake of the Ozarks.

Sport Management Students get On the Field

Mizzou’s Parks, Recreation and Tourism program continues to grow with the addition of Sport Management. This has created some incredible opportunities including a team event for NASCAR in which five students: Alyssa Black, Brendan Fournie, Marshida Harris, Andrew Wakeman, and Kris Wilson are currently running in fourth place among 25 schools. In late September, 80 students attended the St. Louis Cardinals career day at Busch Stadium. October 26th marked the first Annual Mizzou Sports Business Seminar.
As the Fall 2012 semester progresses, leaves change colors from green to yellow and the weather gets cooler, we, the School of Natural Resources Student Ambassadors, like to take the time to reminisce about some of our memorable summer adventures. These aptly-put “adventures” are, often, what we students like to call “once in a lifetime” opportunities; these are the internships and study abroad experiences that help shape us into the professionals that we aim to be.

After hearing the stories from all of my fellow ambassadors, I would have to say that the terms “travel” and “abroad” appropriately describe the trend for many of our summer adventures. Kaitlyn Bradley and I received the opportunity to go abroad to study Sustainable Agriculture and Forests and Carbon at E.A.R.T.H. University in Costa Rica for five weeks. During our adventure, we got to see a lot of the Costa Rican countryside including everything from beaches to waterfalls to the forest reserve areas and all of the creepy-crawly and cute critters in between. After the course ended, Kaitlyn spent the rest of the summer in Monteverde working with volunteer organizations in the area, while I returned to Missouri to begin my undergraduate research in the Ozarks. During the fourth week of our Costa Rican adventure, we ran into our fellow ambassador, Carmen Harjoe, who traveled to Costa Rica to examine the thermoregulatory responses of strawberry poison frogs to amphibian chytrid fungus at La Selva Biological Station. Haley Hoffmann, too, went abroad, though not to Costa Rica. Her dreams came true when she visited different baseball stadiums throughout the United States. Two ambassadors, Jason High and Lauren Hillmer, got the chance to visit “The Centennial State,” also known as Colorado. Jason went to visit his family in Colorado for a week and then returned to Columbia to work at the Sustainability Office on campus. Lauren participated in the Rocky Mountain Field Ecology trip taught by Dr. Rose-Marie Muzika, which brought her to the mountains of Colorado. After the trip, Lauren worked on her undergraduate research which deals with storm water quality and Best Management Practices and, in her free time, she learned how to fly fish and climbed her first “fourteener.”

For some of us, our summer adventures were a dream come true. For others, the experiences have helped us tailor the ideal career for our futures. Still others had experiences that allowed them to meet the people who inspire them the most. After all is said and done, though, we all agree that our experiences were, as one ambassador put it, “AMAZING” and “once in a lifetime.” We believe that all School of Natural Resources students should strive to participate in similar experiences and make the most out of all of the amazing opportunities that our school and individual fields-of-interest have to offer.
**SNR Student Council:**
We started out the year with a great turnout for the Welcome Back BBQ which took place on August 30th. We had many students and faculty present and introduced all of the SNR organizations to the students. On September 28th we took thirty students up to Shryocks Corn Maze where we ventured through the “New Era” corn maze and watched the great gumball coaster. On October 18th we hosted the first ever Pumpkin Carving Pot Luck where we carved pumpkins and each person brought a dish to share with the group. Our largest activity is planned for November 12th where we will be hosting a Government Career Panel showing students how to use USAjobs.gov. As of right now we have someone representing MO Dept. of Natural Resources, US Geological Survey, US Forest Service, Natural Resources Conservation Service, Missouri Department of Conservation, and National Parks Service. This will be a great night for students to come and learn about government jobs as well as good networking and chances for students to have their resumes looked at.

**Sports, Parks, Recreation, and Tourism Association (SPRTA):**
SPRTA has been busy fundraising for Joplin. We have been selling beads during tailgates to help raise money for the Parks and Recreation department in Joplin. The money will be used to help fund the building of a storm shelter in one of Joplin's parks. Many of the members attended the MPRA Student Workshop at the lake for professional development and networking. SPRTA’s members have been busy volunteering at many Columbia events such as Susan G. Koman race, Roots and Blues Festival, and upcoming Ramp-It-Up. We also hosted a trash pickup on east campus on October 16th and a nacho fundraiser on October 30th. Our upcoming event is a basketball tournament in the spring benefiting the Special Olympics.

**Fisheries and Aquatics Science Society (FASS):**
The University of Missouri’s Fisheries and Aquatic Science Society (FASS) will be initiating a long term pond management program during the Fall of 2012. This year’s objective is to capture and tag 100 fish for future life history analysis. For more information about FASS and upcoming events, visit our website by clicking here.

**The Wildlife Society (TWS):**
TWS thanks everyone for supporting our first annual Wildlife Society Weenie Roast! The fundraiser was a great success and we couldn’t have done it without our awesome volunteers and hungry customers. Remember to check the TWS bulletin board in the ABNR Reading Room for any upcoming events and activities.

**Meterology Club:**
The meteorology club has had a busy year so far. The club recently sent a group of students to the National Weather Association annual meeting hosted in Madison, WI. A few of the students even presented their own research at the conference. Conference attendance has been enthusiastically encouraged by the meteorology club and has made it possible for many students to attend conferences by helping cover travel and registration costs. To help fund conference travel and other events, the meteorology club has been doing a Yankee Candle fundraiser each year. The meteorology club meets once a month and often has speakers from the meteorological field do presentations about their work and how they got where they are in the field. About once a month, the club tries to plan an activity to encourage student participation and to help the students get to know each other better. Past activities have included: roller-skating, bowling, BBQs, and semi-annual banquet dinners. The club continues to grow and provides a valuable experience for meteorology undergraduate and graduate students.

**Society of American Foresters (SAF):**
SAF is currently in the process of getting speakers lined up for next semester and we are looking for alumni working in a related field to come in and talk to the members. If you would like to come and speak at one of our meetings please contact Thad Porter at trp539@mail.missouri.edu.
Forestry Club:
Our Timber Tigers recently competed in our fall contest, Timberfest, in Doniphan, Missouri. We are very proud of the effort that our members gave during the competition and can't wait for Conclave in the spring. We have been very busy with our firewood sales and have started with our first deliveries of the season!

Environmental Science Club:
Environmental Science Club will be starting an upcycling collection program for candy wrappers and food packaging some time this month. Details will be released once it is set-up, so be on the look out! Contact Emily Grace at eagp54@mail.missouri.edu if you have questions about the club.

Society of American Foresters has awarded Kaitlyn Bradley the Ben Meadows Natural Resource Scholarship

Kaitlyn participated in the Conservation Honors Program and has devoted time to the student chapter of Society of American Foresters and the Forestry Club. She's been an Ambassador and Peer Mentor in the School of Natural Resources and she's been involved in the Conservation Leadership Corps with the Conservation Federation of Missouri. She is a Protection Volunteer for the Missouri Department of Conservation. Kaitlyn studied abroad in Thailand and Costa Rica. Soon she will embark on a 27-month commitment as a Peace Corps volunteer where she will be working forestry extension.

-Story from http://www.benmeadows.com/scholarships/scholarship_winners.htm

Jerry Hitzhusen and Doug Eiken, both faculty in Parks, Recreation & Tourism, Mindy Bullard Coyle (an alumna of PRT and Assistant Women’s Golf Coach at MU), and Dany Baker (a golfer who plays from a Single Rider Golf Cart), won First Place in the Championship Flight of the CAFNR Tiger Classic Golf Tournament at L.A. Nickell Course in Columbia, Missouri on September 14, 2012. David Vaught and Sonja Wilhelm Stanis, both from PRT, and Chris James (SNR IT), and Drew Backues (CAFNR IT), were on the team that won First Place in A Flight in the same tournament. This is the first time Champion Flight was won by a team that had a golfer with a disability (paraplegic) on the winning team.

Dany Baker and Jerry Hitzhusen conducted an Adapted Golf Clinic on October 1st as part of “Ability Week” on the MU Campus.
Ted & Pat Jones planted a variety of trees and shrubs that the Conservation Department suggested many years ago on their farm in Callaway County. Since the passing of Ted in 1990, Pat has continued her dedication to the resources of Missouri. The farm has continued to change since it was originally purchased by the Jones family during the dust bowl. In 1997 the land was donated to MDC, with the area mission focused toward restoration, management and education, as well as a unique twist of partnerships and a trust fund to ensure that these visions remain in place.

One of the newest additions to the property is an education pavilion that started out as a seed many years before. This summer a long held dream of Pat Jones came to life as a 24’x40’ pavilion was constructed on site, from the harvested wood off the farm. The pavilion was constructed from short-leaf pine trees that were planted on the farm in the 1950’s. A portable saw mill was set up on the property to turn the pine and eastern red cedar trees into usable lumber for the educational pavilion.

The pavilion can be seen in a non-treated state, from insect tracks in the wood, to bark still on the logs. Education of natural community restoration, a management goal on the area, was also captured in the construction of the pavilion. With everything from prairie plants, flowers, tree leaves and grasses to bird tracks, mammal tracks, fish imprint, and turtle tracks which can be found in the concrete floor of the pavilion. After finally seeing the completion of the pavilion, Pat Jones was quoted as saying, “See you can sow AND reap the benefits in your own lifetime.”

Prairie Fork Conservation Area is special use area and not open to the public. If you would like to visit the area or use the area for educational purposes, please contact Amber Edwards, Educational Coordinator, at (573)254-3990. We also keep an active online calendar at www.prairiefork.missouri.edu Story by Amber Edwards
Forestry Alumna Plants a Good Seed

City Seeds Urban Farm, a local food system in St. Louis, is hoping to provide people with a sense of change. Funded by the U.S. Department of Agriculture and land donation by the Missouri Department of Transportation, the farm addresses today’s social problems. Farmers include those that are homeless, battling addiction, and military veterans that are in a jobs training program. Program director, Annie Mayrose is Mizzou Alumna from the Forestry department. She said the key word is transformation for the farmers. She states, “Because, it’s transformation not only of the land, but of the people and individuals involved, of our food system, of our green footprint, of the way we look at jobs training, of the way we give people with criminal records a second chance.” Once the food is ready, it is sold at a discount to the non-profit Food Outreach, which provides meals to low income families with HIV/AIDS or cancer. Additionally, the public can purchase food at the Tower Grove Farmers Market. The proceeds go to the upkeep of the operation. While City Seeds may not be curing the social problems, it is definitely making a difference. For more details, visit the Harvest website by clicking here.

SNR alumna wins Fulbright Scholarship

Andrea Miller, a 2005 graduate of the Fisheries and Wildlife department, has earned a full research grant under the U.S. State Department’s Fulbright Scholarship. She completed her research at the Hedmark University College in Evenstad, Norway. Before leaving the states, a fellow professor helped her to understand the culture and language. When she arrived, she assisted other scientists as well as worked on her own research. She and a colleague partnered on the Scandinavian Brown Bear Research project.

They tracked, darted and captured bears to fit collars, VHF transmitters, heart rate sensors and temperature loggers. The data will assist her as part of her master’s thesis, which examines the animals’ stress. Since her program has ended, she has decided to stay in Scandinavia and pursue a PhD. To read more about Andrea’s journey please visit the article in the College of Veterinary Medicine News by clicking here.
South Farm Showcase 2012

Over 8,000 people attended this year’s showcase that highlighted research conducted at South Farm.

Jodi Whittier and Emily Pherigo talking to visitors and demonstrating tracking animals with telemetry and showing kids other techniques and the type of wildlife and fisheries work that they do.

Kayla Flamm (Geography major/AS minor), Eric Brewster (AS), Nicole Hoban (AS), & Dr. Neil Fox. In front of the Doppler Radar On Wheels while collecting radar data at Perry Phillips Park on September 13, 2012. The park is south east of Columbia across 63 from South Farm and was chosen as the site for the radar as it gave a good view over the city. The project was designed to observe rainfall over the Hinkson Creek watershed to test new methods of estimating rainfall amounts using radar, and examining how these estimates compare to other observations such as rain gauges, and how the different rain observations affect forecasts of stream flow and sediment load in the Creek.

Evan Hill with “Friend”
Kristen Veum: Joined USDA-ARS funded research project on June 4th. She is collaborating with ARS and SEAS on soil quality research.

Cody Campbell: Working as a soil conservation technician for USDA-NRCS in Audrain County.

Mark Corio: Currently deployed to Afghanistan and recently engaged.

Christine Tew: Communications Director for the Missouri Department of Agriculture. Oversees special events, publications and outreach, as well as working with the media to promote the Department and all of Missouri agriculture.

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Mark Peper - Playing with Fire

This past summer I was lucky enough to work on a fire detail. I went out three times, to Colorado, Arizona and Idaho and each trip was awesome. My first trip was to the High Park Fire by Fort Collins, CO and I learned a lot from that fire. I was on structure protection crew and saw a lot of devastation. Only foundations were left after the head fire moved through, we drove by houses that were burning down and there was nothing we could do. We had to move on to the next house to try and save it. Even though much devastation had occurred; we were able to save all of the structures we were assigned. We kept a horse fed that was left behind with food from our lunches. I saw a lot of wildlife, even two mountain lions!

I enjoyed working the other fires as much as the High Park Fire. It was a little more relaxed since not as many structures were threatened. On those two trips, I saw a large fire tornado, almost got struck by lightning, participated in a large burn out, almost got surrounded by the fire and saw some beautiful country. Overall it was a good summer and humbling experience.

Story submitted by: Mark Peper
Dr. Richard Chandler Smith, Professor Emeritus of Forestry, 98, of Columbia passed away Thursday, July 12, 2012, at University Hospital. An anatomical donation was made to the University of Missouri School of Medicine. Subsequently, the body was cremated and interred in the Missouri State Veterans Cemetery in Jacksonville. After World War II, he received his master’s degree and doctorate in forestry from Duke University. In 1947, he began 35 years of service as Professor of Forestry, University of Missouri, becoming the Assistant Dean of Forestry, Fisheries and Wildlife and Director of Graduate Studies in 1974.

He was active in the Society of American Foresters (SAF) and was elected a fellow in 1977. He also served as secretary, vice-chair and chair of the four-state Ozark Section. He was a founder of the Missouri SAF and received the first Karkhagne Award for meritorious service. A 50-year Kiwanian, he served as president and longtime secretary of the Kiwanis Club of Little Dixie. An avid golfer, he played at Gustin Golf Course for 50 years and captained his faculty league team, but never made a hole-in-one. When he retired, his students planted a tulip poplar tree at the golf course in recognition of his service to the university.

See the article in Columbia Daily Tribune by clicking here.