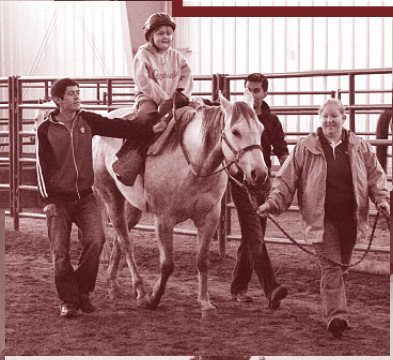


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Volume 26

Spring
2008



Missouri StateTM

UNIVERSITY

Reflections from the Missouri State University Department Head

by Dr. Anson Elliott

We hope that you enjoy reading this 26th Ag Review. Joyce Cutright and her agricultural communications class are to again be commended for their incredible effort, excitement and caring attitude as they document a representation of the events that occurred during the school year.

Great research and public service is being achieved, but we are most proud of our legacy in the people who have gained through the Missouri State agriculture family. That legacy is dependent upon the continued input and support of all of our friends who make it possible. Please stay in contact. Anson Elliott

Department of Agriculture Faculty and Staff

Full-Time Faculty

| | |
|-------------------------|-----------------------|
| Dr. Anson Elliott, Head | Agronomy |
| Dr. Clydette Alsup | Horticulture |
| Dr. Ben Fuqua | Agronomy |
| Dr. James Hutter | Ag. Ed. & Mech |
| Dr. Lyndon Irwin | Animal Science |
| Dr. Bruce Johnson | Ag. Economics |
| Dr. Tommy Perkins | Animal Science |
| Dr. Arbindra Rimal | Ag. Economics |
| Dr. Michael Roling | Forestry & Entomology |
| Dr. Dennis Schmitt | Veterinary Science |
| Dr. Pamela Trewatha | Horticulture |
| Dr. Beth Walker | Animal Science |
| Dr. Weston Walker | Ag. Education |
| Dr. Gary Webb | Equine Science |
| Ms. Sue Webb | Equine Science |
| Dr. Jon Wiggins | Technology Education |

Per Course Faculty

Ms. Kelly Bryson - Horticulture, Ms. Joyce Cutright - Agricultural Communications, Mr. Tom DeWitt - Soil & Water Conservation, Ms. Amanda Evert - Agriculture Promotions, Ms. Tammy Holder - Forages, Mr. Jason Howard - Meat Science, Ms. Barbara Irwin - Communications, Dr. Harry James - Agronomy, Dr. Don Levi - Agricultural Law, Ms. Lewis Miller - Events Management, Ms. Lori Padgett - Horticulture, Dr. Jason Salchow - Veterinary Science, Mr. Pete Smith - Statistics, Ms. Sheila Wear - Floral Arranging

Staff

| | |
|-------------------|------------------------------|
| Janice Moll | Administrative Assistant III |
| Ramona Taylor | Administrative Assistant I |
| Michelle Norgren | VESTA Grant Director |
| Scotti Charrosson | Jr. Research Assistant |
| Justin Sissel | Beef Operations Manager |

Graduate Students

Ramona Andrus, Codi Burris, Bryan Deimeke, Mary Dean, John Deutsch, Crystal Duey, Brian Frederick, Doug Gisselbeck, Sarah Harmon, Holly Hurshman, Sonja Lallemand, Kristy Marson, Kathi Mecham, Jarred Meyer, Sam Nusz, Mary Wicker

Adjunct Faculty

Mr. Peter Gaul, Dr. Ernest Keith, Ms. Diane Olson, Mr. Gary Townsend, Ms. Karen Zydenbox, Mr. Robert Kallenbach

Mountain Grove Campus

Full-Time Faculty

| | |
|--------------------------|--------------------------------|
| Dr. Martin Kaps | Pomology |
| Dr. Laszlo G. Kovacs | Biotechnology |
| Dr. Dale Law* | VESTA, Director |
| Dr. Maciej Pszczolkowski | Integrated Pest Management |
| Dr. Wenping Qiu | Molecular Plant Virology |
| Ms. Suzi Tegtmeyer* | Librarian – Paul Evans Library |
| Dr. Karl Wilker | Enology |

Visiting Scientists

Dr. Ali Mohammad Babar
Dr. Patrick Winterhagen

Professional Staff

| | |
|----------------|---|
| John Avery | Field Crew Supervisor/Cell/Tissue Culture |
| Patrick Byers | Fruit Grower Advisor |
| Marilyn Odneal | Horticulture Outreach Advisor |

Staff

| | |
|-------------------|------------------------------|
| Jack Atchison | Field & Maintenance |
| Jeremy Emery | Field & Maintenance |
| Michael Lynch | Field & Maintenance |
| Michael Matthews* | Physical Plant Foreman |
| Pamela A. Mayer | Library Associate II |
| Susanne Howard | Research Assistant |
| Shaista Lunden | Research Assistant |
| Bob Mosier* | Custodian |
| Randy Joe Stout | Field & Maintenance |
| Pam Turner | Executive Assistant |
| Joseph D. Wright | Vehicle & Equipment Mechanic |

Graduate Students

Nora Bammidi, Qian Chen, Courtney Coleman, Kevin Durden, Cheri Kail, Nan Li, Richa Rai, Raghu Ratakonda, Appala-Naidu Sasapu

Emeritus Faculty and Staff

Dr. Gayle Ashley - Horticulture, Dr. Robert Glenn - Agricultural Business, Dr. Harry James - Soils, Dr. James F. Moore, Jr. - Plant Pathology, Dr. Vernon Renner - Soils, Dr. John Schatz - Horticulture, Dr. Charles Stufflebeam - Animal Science, Dr. Howard Townsend - Entomology, Ms. Sally McAlear - Secretary

* Reports to other University Departments

Statistics Fall 2007

| | | | Undergraduate Majors | | |
|-------------------|------------|--------------|-----------------------------|---|------------|
| | Men | Women | Total | | |
| Freshman | 20 | 29 | 49 | Agricultural Communications | 15 |
| Sophomores | 34 | 33 | 67 | Agronomy | 26 |
| Juniors | 61 | 50 | 111 | Animal Science | 125 |
| Seniors | 87 | 74 | 161 | Agricultural Business/Agricultural Enterprise Management | 19 |
| Graduate Students | 14 | 12 | 26 | Agricultural Business/Agricultural Finance and Management | 13 |
| TOTALS | 216 | 198 | 414 | Agricultural Business/Agricultural Marketing and Sales | 29 |
| | | | | General Agricultural | 13 |
| | | | | General Agriculture (BAS Degree) | 15 |
| | | | | Horticulture | 28 |
| | | | | Technology Education | 65 |
| | | | | Agriculture Education | 34 |
| | | | | Wildlife Conservation and Management | 6 |
| | | | | Agriculture Secondary Education (Graduate Masters) | 3 |
| | | | | College of Natural and Applied Science (Graduate Masters) | 13 |
| | | | | Plant Science (Graduate Masters) | 10 |
| | | | | Total | 414 |

Agriculture Founders Club (10,000 minimum donation)

| | | |
|---|--|---|
| Margaret S. and Mervin C. Aude | Cody W. and Marilyn Ice | T. Edward and Carol Pinegar |
| William K. Berry | Cody W. Ice II | Peggy Quintus |
| Laurence R. Buller | International Association of Fairs & Expositions | Vernon and Fay Renner |
| Mrs. Grace Carr | Dr. Harry R. and Marion James | Susan Sanders |
| Robert and Tracy Caruth | Lee J. Johnson | Dr. and Mrs. Dennis Schmitt |
| Central Dodge | Joplin Regional Stockyards | Helen M. Steiner |
| Ric L. and Melanie Cooper | Journagan Construction | Charles and Patricia Stufflebeam |
| Larry and Marilyn Daniel | Glenn E. and Ruth Z. Karls | John and Jane Sullivan |
| Bill and Virginia Darr | Larson Farm & Lawn | Kenny Teague |
| Darr Family Foundation | Randy and Johnelle Little | Ron and Sue Carrol Terry |
| Day Cattle Company | Carl and Dianna Lowe | Gary and Sydney Tompkins |
| W. Anson and Betty Elliott | Clayton L. and Mary A. Mathile | Mr. and Mrs. James C. Tucker |
| Farmers Cooperative Livestock Marketing Assn. | John and Sally McAlear | U.S. Tobacco Co. Scholarship Awards Program |
| FCS Financial | MFA Foundation | Julie Vestal-Gibbons |
| Greene County Farm Bureau | Lewis and Patricia Miller | Barry Waack |
| Rick Gunlock | Missouri Beef Industry Council | Rosalie Wooten |
| R. Dwain and Donna Hammons | Missouri Farm Bureau | Dr. J. Kathleen Young |
| Jack and Janice Harris | Kym and Michael Morse | Vaughn and Becky Zimmerman |
| Rita Harris | Michelle K. Nahon | |
| Mr. and Mrs. Harold W. Harrison | Bud E. Orchard | |

Scholarship and Awards Banquet Sponsors

| | |
|--|--|
| Citizens National Bank - Frank Hilton -- 2002, 2006 | MFA, Inc. Regional -- 2002, 2003, 2004, 2005, 2006, 2007 |
| Bill and Virginia Darr -- 2002, 2003, 2004, 2005, 2006, 2007 | PFI Western Store -- 2003, 2004, 2005, 2006, 2007 |
| FCS Financial -- 2006, 2007 | Gus and Pat Rutledge -- 2005 |
| Hammons Products Co. - Brian Hammons -- 2001, 2002, 2006, 2007 | Springfield Area Chamber of Commerce -- 2005, 2006, 2007 |
| Joplin Stockyards - Jackie Moore -- 2002 | Willow Brook Foods Inc. -- 2006, 2007 |
| John and Sally McAlear -- 2005, 2006, 2007 | |

Missouri State University Port Wins International Wine Award

by Wenonah Toney

The 2005 Ruby Port produced by Missouri State University Mountain Grove Cellars won a Bronze Medal at the 2007 Indy International Wine Competition.

At the competition more than 3,000 wines from 17 countries were evaluated by 70 judges. Each wine was judged on appearance, aroma, taste and aftertaste.

The winning 2005 Ruby Port has aromas of dark berry fruits with hints of chocolate, oak and vanilla. Wines from the Mountain Grove Cellars are available for purchase on-line at <https://www.ws.missouristate.edu/mtngrvcellars/>. Selections include the winning 2005 Ruby Port, the 2005 Chambourcin Port, 2005 Norton Dessert Wine, 2006 Catawba Wine and the SMSU 100-year Centennial Chardonnay Wine. Also available are peach butter, elderberry jelly and fresh fruit when in season.

“The proceeds from these sales will benefit our students and faculty, and help support the important research under way at Mountain Grove,” says Dr. Anson Elliott, head of the Department of Agriculture and director of the State Fruit Experiment Station.



Missouri State Trivia

The adage “an apple a day keeps the doctor away” originated at the Missouri State Fruit Experiment Station. The station’s first director John T. Stinson, who served from 1899-1902, encouraged the FDA to incorporate fruit into its guidelines for a healthy diet. Since then the FDA has included eating fruit daily into their recommendations.

Research at Mountain Grove Working Towards Disease Resistant Grapes

by Wenonah Toney

The Missouri State Fruit Experiment Station is producing breakthrough work in creating disease-resistant grape varieties.

Co-directors of the experiment station’s Center for Grapevine Biotechnology Dr. Laszlo Kovacs and Dr. Wenping Qiu are responsible for breakthrough work.

Kovacs and Qiu have published their results in *Plant Physiology*, Jan 2008, Vol. 146, pp. 236-249, and this summer an article will be released in the *American Journal of Enology and Viticulture*.

The Missouri State Fruit Experiment Station is in Mountain Grove and is part of the Missouri State University Department of Agriculture. Dr. Anson Elliott, head of the Department of Agriculture, also serves as the head of the experiment station.

The Missouri legislature created the experiment station in 1899 to provide advisement to fruit growers and to test new products. In 1974 the State Fruit Experiment Station became part of Missouri State University.



Drs. Heshing Hou, Laszlo Kovacs and Wenping Qiu thinking very hard together.



Graduate student Jing Zhang transfers a sample of wine.

Students Get Hands-On Experience During Sale Barn Class

by Amanda Mayers

The smell of nervous cattle, the bawl of freshly weaned calves, the overbearing noise of the auctioneer's voice and the faint smell of diesel smoke in the air welcome students to a unique Missouri State University classroom.

While this is not the typical classroom experience at Missouri State University, it is typical for Dr. Jason Salchow's animal health practicum class. Salchow, a per-course instructor, is a large animal veterinarian who specializes in reproduction and has a custom cattle-grazing business.

The animal health practicum class takes place at Springfield Livestock Marketing Center on Wednesdays. First preference is given to students in Salchow's veterinary science class then other Agriculture Department students. Salchow said that it helps to take both classes simultaneously because they parallel each other.

During the semester students learn how to properly handle cattle within a sale barn venue. Salchow explained that he teaches students to process cattle without being overly aggressive. This helps minimize stress on the animals.

At the sale barn cattle are moved into a hydraulic squeeze chute where they undergo one or multiple procedures. The procedures may include blood sampling, age determination, pregnancy evaluation, vaccinating, deworming, branding, dehorning, horn tipping and castrating. During the semester students learn the proper way to perform these procedures.

The class, according to Salchow, helps students get more comfortable around livestock, especially students who have little livestock handling experience. Salchow added he also hopes students gain appreciation of food origins.



Lindsey Gideon, senior animal science major from Stella, Mo., drawing blood from a cow in the animal health practicum class.

Ozarks Farm and Neighbor Editor Works with Students to Start Communications Group

by Rebecca Price

Lindsay Haymes, Ozarks Farm and Neighbor managing editor, is helping Missouri State University students start an Agricultural Communicators of Tomorrow Chapter (ACT).

Haymes, a 2006 Missouri State University graduate, said she recognizes the importance of professional development in her own career and is encouraging students to take professional involvement seriously.

Haymes is a member of the Livestock Publications Council (LPC). The National ACT has its convention concurrently with the LPC national convention. When the

two groups meet together students have the opportunity to network and learn first-hand from industry leaders. Haymes said it was through watching this valuable interaction that she decided to help start the Missouri State University ACT Chapter.

Haymes said she is ready for the challenge of starting the new chapter and noted it should lead to endless opportunities for members.



Lindsay Haymes

Sigma Alpha and Agriculture Department Host Relay for Life Fundraiser- Students Gamble for a Cure

by Chase Wilson

This spring members of the Sigma Alpha Sorority found a way to have fun gambling for a cure for cancer.

Sigma Alpha, the Missouri State University professional agricultural sorority, organized a “Night in Vegas” to raise funds for the sorority’s American Cancer Society Relay for Life team. Relay for Life was held April 18 - 19 at Plaster Stadium.

“Night in Vegas” was held March 8 in the Plaster Student Union ballroom. The sorority contracted with Amberg Entertainment to provide the entertainment. The event featured classic gambling games such as craps, roulette, Black Jack, Texas Hold ‘Em and slot machines.

More than 40 guests attended the event raising \$1,600. The entry fee was \$50 which provided participants with the money to play the games as well as a T-shirt to commemorate the event.

Sigma Alpha member Lynzee Glass served as event chair. Glass said that the American Cancer Society is Sigma Alpha’s chosen charity.

Last year the sorority funded a Relay for Life team with a bake sale. Glass said the sorority decided to do a casino night because they were looking for something different.

“It was a unique fundraiser,” Glass said.

Agriculture Department Head Dr. Anson Elliott served as the honorary committee chair for the event.

“The event was one that reflected very positively upon the club and department,” said Elliott. “It was a fun-filled night with everyone looking forward to another one next year.”

The sorority has not yet set a date for next year’s event, but Glass said they would love to make this an annual fundraiser.



Elliott Receives First University Onstot Award

by Hailey Robertson

Missouri State University’s Agriculture Department Head Dr. Anson Elliott received the first Greg Onstot Outstanding Achievement Award. A plaque and \$1,200 were presented to Elliott during the Missouri State Homecoming dinner Oct. 26.

The award is named in honor of Onstot who served the university for 25 years. Onstot retired in 2007 as the vice president for university advancement. This award is an opportunity to recognize a faculty or staff member for outstanding contributions

to development and alumni programs at the university.

Elliott came to Missouri State University in 1978 from the University of Minnesota. He was named Agriculture Department head in 1980. Elliott has been involved in agricultural and educational committees and organizations in Missouri and nationally. In 1998 he received the National Association of Colleges and Universities and Teachers of Agriculture Distinguished Educator Award. Elliott has

also received the Distinguished Service Award from the Missouri Farm Bureau.

Last fall, The Anson Elliott Scholarship for Agricultural Leadership was founded. It rewards students who exhibit the potential to become leaders in agriculture and recognizes their academic successes. The goal of the scholarship is to develop a permanent endowment of at least \$100,000 that will fund annual scholarships. Approximately \$7,000 will be awarded each year.

Planing Underway for Third Phase of the Darr Agricultural Center Renovation

by Cory North

Phase I and II of the Darr Agricultural Center renovation are complete and Phase III will start when more funding is available. Phase III will include a learning center by the front gate, a small animal laboratory, a beef cattle grooming facility and living quarters for center student workers.

Dr. Anson Elliott, Missouri State University Department of Agriculture head, said The Darr Family Foundation has pledged \$1 million toward this phase.

Phase III will include construction of a learning center located by the entrance along Journagan Lane. This building will include a public conference room and class rooms. The conference room will be large enough to have meetings, conferences and the fall scholarship banquet. Two classrooms will be similar to the Karls 101 classroom. There also will be 15 offices for graduate students, faculty and collaborators; a mechanization shop for teaching agricultural education and two green houses. A detached machinery storage building is included in the plan.

A second building is to be constructed during Phase III. This building will be located to the west of Pinegar Arena and north of the cattle paddocks. Elliott said the building will be used for beef preparation and for a small animal research laboratory. The current trailers for student workers stay will be replaced by a two-bedroom apartment. The beef preparation lab on the west side of the research center, will be used for clipping and grooming beef cattle that are shown and sold in the yearly Elite Event Cattle Sale. The east half of the building will have pens and a small kennel for research animals. Elliot said the research programs he envisions for the center could include treatment and feeding trials on dogs and small livestock, such as goats.

The Darr Center was originally known as the SMSU Agriculture Research and Demonstration Center. In 2000 the name was changed to the Darr Agricultural Center through a major donation by William H. and Virginia Darr. This donation was for improvements needed to the Darr Center. For Phase I the Darr Family Foundation made a \$1 million donation in 2005 for the entrance, construction of the open-sided pavilion barn on the south side of Pinegar Arena and funding toward Phase II including arena renovation. Other funds required for Phase II came from Rosalie Wooten, state funding and a \$500,000 donation by Ed Pinegar. The paving of the parking lots and roads were also part of phase II and made possible by a \$400,000 gift from Journagan Construction Co.



Darr Center Used for University and Community Activities

by Jocelyn Butler

The Darr Agricultural Center has become a year-round facility for numerous agricultural activities including event rental.

“Approximately 90-95 percent of the Darr Agricultural Center is used for Missouri State agricultural programs and club activities, while only around 5 percent is rented for agricultural community use,” said Agronomy Professor and Director of the Darr Agricultural Center Dr. Ben Fuqua.

The center is used by the Missouri State Department of Agriculture for activities throughout the school year for agricultural classes with hands-on learning opportunities as well as social activities including the fall picnic. Missouri State Agricultural Alumni also hold numerous activities at the Darr Center. Student agricultural clubs use the center for a variety of activities including learning experiences, fundraisers, equestrian and rodeo team activities, the Missouri State University Block and Bridle cattle show, and the Missouri State Bear Cattle Co. Elite Event Sale. The Darr Center is also used to host District FFA Contest each March.

Rental use activities include cattle auctions, therapeutic riding classes, 4-H and FFA activities, local and state breed association events, and cattlemen association events.

For more information about the facility, including rental availability, contact Dr. Ben Fuqua at BenFuqua@MissouriState.edu or (417) 836-5638.

Missouri State University Rodeo Team Names New Advisor/Coach

by Jake Wilhoit

This spring semester the members of the rodeo team named Douglas Gere, University of Missouri State Project Success coordinator for the Learning Diagnostic Clinic, as their new coach and faculty advisor.

Gere works in the Psychology Department at the Learning Diagnostic Clinic where he runs Project Success, a comprehensive support program for college students with brain-based Americans with Disabilities Act (ADA) qualified disabilities. He also teaches psychology courses.

Gere found out about the advisor position by chance from visiting with one of his students, who is a member of the rodeo team. Gere has some rodeo experience from participating in the Junior Rodeo Association in high school. Although he enjoyed the rodeo environment, Gere said he decided instead to focus on motorcycle racing.

For 2008-2009, Gere said he would like to improve development of the team's booster club.

"This is going to be the driving financial support for the team, in addition to the SOFAC support," said Gere.

Gere added that he would like to improve and increase the practice opportunities for team members.

"I have plans to recruit experts in events to come and work with the Missouri State athletes to help improve their skills and knowledge of rodeo performance," said Gere.

Gere said that in the next five years he wants the team to grow financially and experientially. He also would like to recruit more team members. Gere added that he would like to see an endowed scholarship program to help recruit excellent student

athletes to the Missouri State Program, especially agriculture majors.

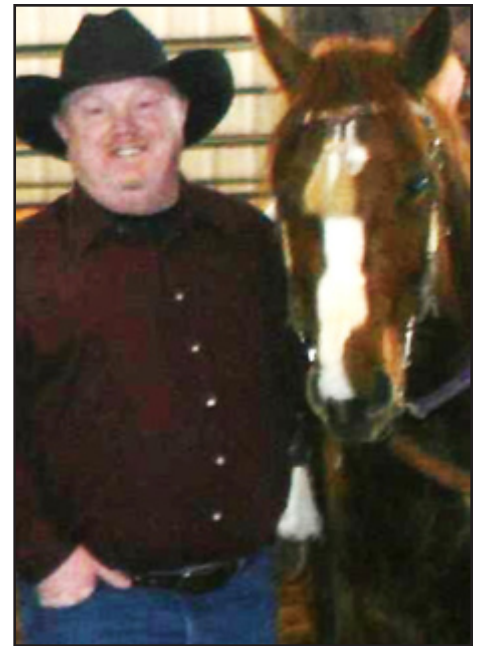
Gere said he hopes the team will stay small enough that it keeps the "family" atmosphere, but grows to the point that the team could be in the top five in the Ozark region of National Intercollegiate Rodeo Association (NIRA). Support from the boosters and endowed scholarships will assist in the recruiting process.

Gere said he is very proud to be a part of the Missouri State University Rodeo Team.

"The student athletes are very polite, wonderful people," reflected Gere. "This is a culture that has been too far removed from our current society. The values of family, integrity, honesty and friendship have impressed me the most. The students work very hard in their academics, sport and life."

The Missouri State University Rodeo Team is an organization of students interested in the sport of rodeo and preservation of our western heritage. Each year the rodeo team represents the university at 10 NIRA rodeos. Additionally, the team participates in various fundraisers and the Missouri State University Homecoming Parade.

For more information about the rodeo team or to become a member of the booster club go to <http://organizations.missouristate.edu/rodeo>



Douglas Gere



Dr. Weston Walker, assistant professor in agricultural education, is leaving the university to pursue agricultural business interests. His student advisement and work with the Pathways Program, which provides opportunity for students at a distance to complete a bachelor's degree, are among the many areas where he will be missed. We wish him success in this new venture.

Agriculture Department's Hollie Elliott Honored with University Award

by Levi Moore

Senior agricultural communications major Hollie Elliott from Springfield, Mo., was one of five Missouri State University students honored with the inaugural Board of Governors Citizen Scholar Award Oct. 26, 2007. Students were selected by members of the Missouri State University faculty based on work ethic and outstanding involvement with public affairs within the community and Missouri State University.

Elliott was nominated for the award by Dr. Tammy Jahnke, dean of the College of Natural and Applied Sciences. Elliott's many internships were key to her nomination.

Elliott's involvement in public affairs internships began her freshman year when she worked in Congressman Roy Blunt's Springfield, Mo., office. She also worked at the Ozark Empire Fair, Springfield Mo., as a reporter in the media room, and with the AgriMissouri Market where she helped promote and sell Missouri-produced products during the fair. Elliott also had an internship, summer 2006, with the Missouri Farm Bureau Public Affairs department, Jefferson City, Mo., conducting interviews and writing stories for their *Show-Me Missouri Farm Bureau* publication. Summer 2007 Elliott had an internship with the American Farm Bureau, Washington D.C., in the public relations department.

Elliott said that some of her most valuable experiences at Missouri State included being involved with the Agriculture Department. She explained that being at the scholarship banquets and other Agriculture Department functions offered her the opportunity to meet people and make important contacts. Elliott added that two of the most rewarding opportunities were serving as vice president of the Sigma Kappa Sorority that has approximately 150 members, participating four years on the



equestrian team and volunteering with the therapeutic riding program.

Elliott's advice for other students is to get out of one's "comfort zone" and take advantage of the many opportunities offered at Missouri State. She stressed that students not be afraid to find and take internships, as well as involve themselves within the university and the community.

Elliott said her goals are to continue being an agricultural advocate and for the next two years to continue working for Senator Christopher "Kit" Bond. She is currently working in Bond's Springfield, Mo., office as a Field Representative.



Board of Governors Citizen Scholar Award presented to Hollie Elliott.

Club Corner

Ag Presidents' Council

Advisor: Dr. Anson Elliott

Activities: Annual Fall Ag Picnic, Coordination of all club activities

Agronomy



Advisors: Dr. Ben Fuqua
Tom DeWitt

President: Jordan Richner
Vice President: Joey Stokes
Sec./ Treas: Sarah Bunton

Activities: Adopt-a-Highway trash pick-up

Alpha Gamma Rho



Advisor: Dr. Anson Elliott
Noble Ruler: Wesley Davis
VNR Planning: Eric Allison
VNR Activities: Daniel Langston
C- VNR Recruitment: James Kaiser
Logan Yearsley
VNR Scholarship: Chris Rapp
VNR Finance: Jeff Fox
VNR House Mgmt: Nick Rapp
VNR Membership: Cory North
VNR Alumni Relations: Chase Wilson

Activities: Pink Rose Formal; Ball Blast; White Trash Bash; Intramural softball, football, basketball; Homecoming

Alpha Gamma Sigma



Advisor: Dr. Jon Wiggins
President: Jacob Wilhoit
Vice Pres: Mike Mernick
Secretary: Jordan Slavings
Treasurer: Ryan Freeman
Warden: Sean Priest
Rush Chair: Weston Paulik

Activities: Homecoming; Greek Week; Red Rose Formal; Greek Church; Relay for Life; Social exchanges; Parents' Weekend; Gathering of the Herd

Block & Bridle

Advisor: Dr. Tommy Perkins
President: Nolan Fischer
Vice Pres: Brittany Gillig
Secretary: Brittaney Shelenhamer
Treasurer: Jeri Lynn Fowler

Activities: Annual departmental Christmas Formal (Dance); 4-H and FFA member Fitting Clinic; MSU Bear Classic Steer and Heifer Show for 4-H and FFA members; Ozark Empire Fair Birthing Center

Collegiate Farm Bureau

Advisor: Dr. Anson Elliott
Dr. Bruce Johnson
President: Erin McCorkill
Vice Pres.: Brittany Gillig
Secretary: Katy Scott
Treasurer: Kimberly James
Public Relations: Ashley Gillig

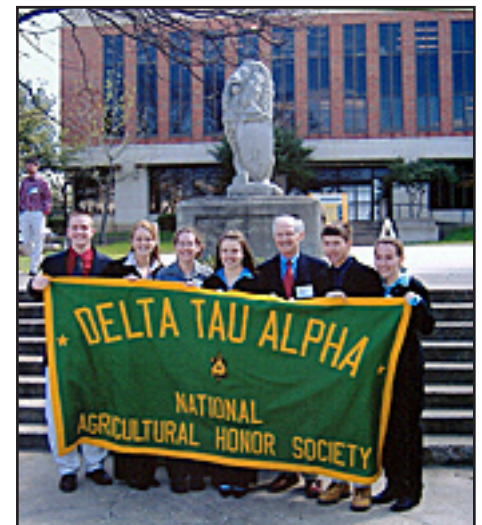
Activities: Salute to Agriculture Football Game; Missouri Farm Bureau Annual Meeting; Jefferson City Legislative Tour; Annual MSU Agriculture Forum

Collegiate FFA

Advisor: Dr. Jim Hutter
President: Wesley Davis
Vice Pres.: Katy Scott
Secretary: Logan Yearsley
Treasurer: Erin Young

Activities: Food for America; Adopt-a-Highway; National FFA Convention Parliamentary Procedure Contest and Recruitment Booth; State FFA Convention Recruitment Booth; District FFA Contest

Honor Society of Delta Tau Alpha



Advisors: Dr. Bruce Johnson
Dr. Beth Walker
President: Sarah Rapp
Vice Pres.: Alicia Vandever
Secretary: Kimberly James
Treasurer: Sarah Bunton

Activities: Salute to Agriculture Football Game, Adopt-a-Family, May Day, National DTA Convention, New Student Mixer, Christmas Wreath Sales, Ag Quiz Bowl

Equestrian Team

Coaches: Dr. Gary Webb
Mrs. Sue Webb

Horsemen's Association



Advisors: Dr. Gary Webb
Mrs. Sue Webb
President: Lisl Huford
Vice Pres.: Kelsey Ragsdale
Secretary: Daman Bradley
Treasurer: Lacey Seiffert
Historians: Toree Bova

Activities: Homecoming, Salute to Agriculture, May Day, American Collegiate Horseman's Association Convention, FFA District Judging Contest, Therapeutic Riding of the Ozarks, Adopt-a-Highway, Providing judges and show management assistance for local horse and mule shows, hosted two IHSA qualifying events, Sponsored the Missouri State Equestrian, Ranch Horse and Horse Judging teams, farm and arena clean-up activities

Horticulture



Advisors: Dr. Clydette Alsup
Dr. Pam Trewatha
President: Kirk Amato
Secretary: Callie Wheeler
Treasurer: Shiloh Weaver

Website: Janelle Melton
Website: Anitra Lewis

Activities: MACHS, bake sale, plant sale, Legacy Trails Habitat for Humanity, Helped build the Green Roof, Wrapped trees for MDC, Lawn & Garden Show, bowling, helped set up rose show, DTA Quiz Bowl, Seeding Festival field trip, Lost & Found Landscape, agriculture banquet centerpieces

Pre-Vet Club



Advisors: Dr. Dennis Schmitt
President: Deborah Knight
Vice Pres.: Julie King
Secretary: Amber King
Treasurer: Allison Overmyer
PR/Web Page: Alyssa Loveland

Activities: Dog wash, Strut Your Mutt Dog Show, BBQ, Adopt-a-Family at Christmas, chili dinner, MU Vet School Open House, Animal Care Expo

Rodeo Club

Advisor: Dr. Doug Gere
President: Liz Henry
Vice Pres.: Derek Carter
Secretary: Lacey Lee
Treasurer: Austin Shelby

Activities: Team competes in 10 NIRA-sanctioned college rodeos

Sigma Alpha

Advisor: Janice Moll
President: Emily Mullen
1st Vice Pres.: Ashley Gillig
2nd Vice Pres.: Brittany Gillig
Secretary: Jeri Lynn Fowler
Treasurer: Christi Gonder
Rush Chair: Brittany Shelenhamer



Activities: Mud volleyball, Recruitment Week, national convention, regional convention, year-end banquet, concession stand at Block & Bridle Jackpot Show, ringing bells for Salvation Army at Christmas, Relay-for-Life, Progressive Dinner, Women in agriculture panel

Soil Judging Team

Advisor: Tom DeWitt

Activities: Regional Competition in Iowa

Trap & Skeet

Advisor: Dr. Jon Wiggins
President: Kevin Lee
Vice Pres.: Shawn Priest
Secretary: Chris Brandt
Treasurer: Parker Logn

Activities: Hunters Open (Springfield Rod & Gunn)
Fall 2007 Tournaments: Iowa State Cyclone Invitational, Kansas State Shootout at the Crossroads, University of Missouri Tiger Open
Spring 2008 Tournaments: Missouri State Bear Invitational, University of Missouri Tiger Open, National Collegiate Tournament, May Day Celebration-Missouri State

Wildlife Society

Advisor: Dr. Lyndon Irwin
President: Kara Bader
Vice Pres.: Neal Hutton
Secretary: Emily Spellman
Treasurer: Ron Colatskie
Reporter: Ashley Vinson

Activities: Adopt-a-Hwy, stream clean-up, Adopt-a-Trail (Bois D'Arc), Deer Aging (MDC), annual workshop Missouri Wildlife Society, job fair at Tan-Tar-A, picnics in Phelp's Grove Park

Former Department Professor Continues to Inspire

by Jill Kohler

Role-model and inspirational communicator, are words that describe former Missouri State University Professor Dr. Jerry Crownover.

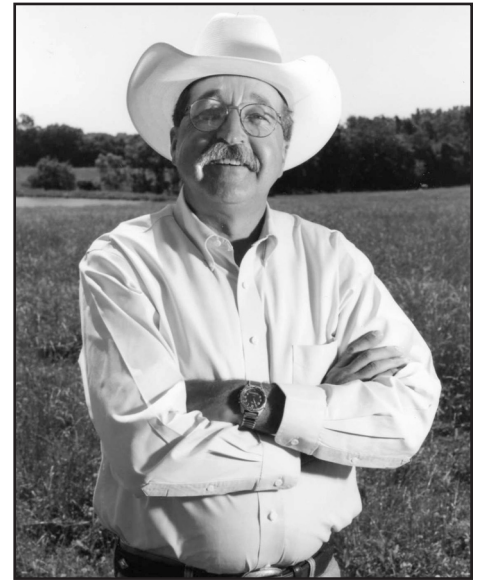
At the university Crownover taught agricultural education and was the livestock judging team coach. From 1980 to 1997 he taught and inspired students with his humorous and reflective tales. Today Crownover continues inspiring former students and others through writing and speaking.

Crownover is a regular contributor with his inspirational and humorous columns for the *Ozark Farm and Neighbor*, and the *Missouri Ruralist*. He also has written two books, "Life is Simple" and "Life is Simple, Second Cut". Crownover said both books are based on his life experiences.

"There are so many opportunities, if you put the effort out. The sky is the limit," reflected Crownover when sharing advice to students, "Hard work is the key to success."

Crownover said his father used to say, "There is only two ways to do something, the right way and the wrong way. There is only two answers to any question, the truth and a lie. And only one way to get ahead in life, work hard for it." Crownover shared that those words were what he lived by and passed down to his children.

Crownover and wife Judy live on their farm near Everton, Mo. Crownover said he still stays in touch with some of his former students and noted he especially enjoys hearing of their success.



Transfer Student Numbers Rising in the Agriculture Department

by Lauren Kneip

Percentages of transfer students to the Agriculture Department are on the rise. Students from Arkansas, Illinois, Kentucky and many other states are coming to Missouri State University for quality education and the attractive surroundings.

Between 1984-2007 the percentage of freshman and sophomore transfer students have fluctuated. The highest yearly percentage increase was in 1990 at 55 percent. The percentages of junior and senior transfers increased 70 percent in 2006. Agriculture Department Head Dr. Anson Elliott said that he expects the numbers of transfer students to continue to increase.

Students cite the campus atmosphere and community as key reasons they selected the university.

When reflecting on why she chose Missouri State University, Debbie Knight, senior animal science major from Marshfield, Mo., said, "The university has a very well established Agriculture Department and a lot of connections within the community as well as with other colleges."

"The instructors have real-time experience and field experience, not just book smarts," Knight added.

Brandon Snider, junior wildlife conservation and management major from Shelbina, Mo., also praised the department instructors.

"The instructors seem to really care about the students and seem generally concerned on how you do in class," said Snider.

"The instructors have you take classes that are broad in your degree, so it's a well-rounded program," Knight stated. "The community knows you've taken more classes than just what is required for your degree."

One of the reasons why students choose Missouri State University is for the Springfield community.

"Springfield has a variety of people and things to do," said Amber King, animal science major from Lebanon, Mo.

"Whatever you want to find you can find in Springfield, small town crafts to big city plays, you name it," Knight said. "You get the big city feel with a small town atmosphere."

Pinegar Arena Hosts Bear Cattle Company and Friends Elite Event V

by Nathan King

The Bear Cattle Company and Friends Elite Event this year moved inside Pinegar Arena. With additional seating and covered pens the arena provided an improved setting for the annual event.

The April 27 sale featured 45 lots with 26 Angus, 10 Charolais, six Limousin and two Simmental. The lots included cow-calf pairs, bred heifers, open-show heifer prospects, choice lots, embryos and flushes. Guest consigners included 15 Angus producers, four Charolais producers, two Limousin producers and two Simmental producers.

The Elite Event Sale is in its fifth year. The event has come a long way from when it was just an idea discussed by former agriculture students Josh Worthington, Dadeville, Mo., and Justin Sissel, Republic, Mo. With the help of Animal Science Professor Dr. Tommy Perkins, Sissel and Worthington were able to develop a sale that would be a first-class event. Missouri State University supporters Bill Darr, Springfield, Mo., and Ed Pinegar, Republic, Mo., also

played a major role in starting the sale by providing their insight and experience for the program.

Worthington is currently the general manager for the Missouri Angus Association, St. Joseph, Mo., and Justin Sissel is the Missouri State University beef operations manager.

“The facilities at the sale have improved greatly with the sale starting in a rented tent in 2004 and moving to the state of the art Pinegar Arena in 2008,” said Sissel.

Elite Event V was a good sale for Bear Cattle Company and Friends with the average lot price for the sale \$2,705. The top-selling lot was a flush of lot 27, ACE Ms Megan Elko 9910-70R, consigned by J&S Ranch, Koshkonong, Mo., and Creek Cut Ranch, Carthage, Mo., selling for \$8,500. The top selling lot consigned by Bear Cattle Company was lot 1, MOSB Pride T716, selling for \$4,000.

“Elite Event V was an all around better sale than the first event, with better cattle and great facilities,” said Sissel.

Justin Sissel Hired as Beef Operations Manager

by Nathan King



Justin Sissel, a 2004 Missouri State University graduate from Republic, Mo., was named beef operations manager Fall 2007.

Sissel is responsible for the care of the university’s cow herd and show cattle. He also helps with the animal science beef lab, beef production class and advanced beef marketing class.

As a student Sissel helped start the Elite Event sale and was assistant sale manger of the first sale.

“It is great to see how the sale has grown over the last few years,” said Sissel.

Sissel added that with time he would like to see the sale become a complete production sale, selling only university animals.



Missouri State University Graduate is Helping Improve Iraqi Agriculture

by Ellen Timmerman

Provincial Reconstruction Teams (PRT) created by the Department of State work hard to rebuild the damages of war in Iraq, one province at a time. David Speidel, who graduated from Missouri State University in the mid-1970s, takes part in one of these teams as a field crops specialist helping to rebuild agriculture as an industry in the province of Diyala, just east of Baghdad.

The Provincial Reconstruction Teams have been hard at work since they were founded Nov. 11, 2005, by Secretary of State Condoleezza Rice. These civilian-military intra-agencies were created to help build political and economic development, promote increased security and rule of law, develop sustained capabilities to govern, and provide administration necessary to meet the basic needs of the Iraqi populous in the provinces.

Speidel, a member of an agriculturally-based team, has worked closely with a local college to help jump start a program designed to train unemployed graduate students to become nursery specialists.

During a combat tour from 2005-2006, Speidel discovered the concept of PRTs around the Baghdad area. He then applied for a position on a team.

"The military was trying to clean canals," Speidel said in a phone interview. "I realized that while they were trying to help, none of them really had the right experience to do it correctly."

"I wanted to do more," Speidel reflected. "I saw this as an opportunity to do that."

Speidel was soon deployed to the province of Diyala, the last stronghold of Al-Qaida in Iraq that had been liberated only a few months earlier. The team soon became involved with the local college, that



Left to right: Muhammad Baqubah, the agricultural unit manager, David Speidel, and Dr. Majid, the director of agriculture at the college at the Diyala Agriculture Luncheon.

had been heavily damaged by the fighting. There, Speidel became involved with a program set to train unemployed graduate students to become nursery specialists, who will raise trees and vegetables.

"We helped set up a four-to-six month program for the local unemployed Ag Graduates to learn practical skills as nurserymen raising seedlings for resale to the orchard industry," Speidel explained. "The Iraqis have already set up a placement program to help students find full time employment later this year."

According to Speidel, the Department of State is looking to help build this program with several thousand trees, mostly citrus, date and eucalyptus. The trees will help replace the millions that have been destroyed. This will give students a chance at self-sustaining jobs, as well as helping bolster food production and the economy in Iraq.

"Diyala, famous for its citrus and date trees, will be needed as progress is made in Iraq," Speidel explained.

Three-quarters of the population, either directly or indirectly, make their living through agriculture. Speidel and

his team have mostly worked with small grains, vegetables, fruit trees, peanuts and livestock.

One of the more promising markets, according to Speidel, has been the cultivation of peanuts in the northern half of the province. There, one can find good water flowing from underground aquifers.

"They are looking to increase peanut production there as a future food source," Speidel said. "You may not expect to see a peanut spread at a local restaurant in Springfield. But, maybe someday when buying gift baskets you will be able to purchase peanuts and dates from Iraq."

When asked how his education at Missouri State University helped him in his work, Speidel recalled principals he learned in Dr. Vernon Renner's classes. Renner retired from Missouri State in 1981 after teaching crop and soil sciences where he always stressed the importance of sustainable ecological agriculture.

"He would be pleased to see the skills he taught in his class at use over here," Speidel said. "We use a lot of soil and water conservation practices I learned from him."

Speidel said he is also planning to set up a soil testing program to help the Iraqis better understand their soil.

Another principal Speidel applies is farm business planning.

"Because of their past government, the Iraqis never had to use farm business planning," explained Speidel. "They need to learn how to do it themselves."

Figuring the costs of fertilizers, forecasting markets and other important agricultural economic principals are currently being taught to local farmers and students.

Agriculture Professor Shares Ultra Sound Knowledge in Brazil

by Ethan Miller

“There is a lot more to do and a lot more to teach,” Speidel said. “But, I feel satisfied with the work we’ve done so far.”

“The best solution for an Iraqi problem is an Iraqi solution,” Speidel said, “We are just there to help push them in the right direction.”



Dr. Tommy Perkins, professor of animal science at Missouri State University, went to Sao Paulo University (SPU) in Pirassununga, Brazil, November 2007 to instruct graduate students on the use of ultrasound technology.

Due to their heat tolerance and resistance to disease and insects, Bos Indicus are the most common cattle in Brazil. They typically have poorer marbling and ribeye area. Perkins taught the SPU class how ultrasounds can be used to improve selected traits in the herd.

Brazil is the world’s leading exporter of beef, but higher quantity does not necessarily mean higher quality. Perkins said he wanted to show that by selecting animals with higher meat scores the Brazilian feedlots could produce better beef and more of it.

While in Brazil, Perkins also visited a sugarcane ethanol plant and a feedlot where the cattle were fed using the plant’s by-products. The feedlot contained 5,000 bulls. Due to their larger size, bulls are most commonly used in Brazil’s beef production.

“The bulls were very peaceful and they wouldn’t ride or fight each other,” said Perkins.

The ethanol plant sends the by-products to the feedlots where it is used to replace grains. Finished bulls are then shipped to a processing plant.

Perkins also toured one of the processing plants.

“The corrals, the alleys and the squeeze chutes are all made of wood,” said Perkins. “This is because the metal tends to frighten the cattle.”

Most of the cattle come from places where metal is uncommon so they are more at ease without the clanging and other harsh sounds that metal makes.

“Everything else is just as modern there as it is here in the U.S.,” said Perkins.

Something that was less modern was the Roto-Mix factory that Perkins toured. He said the mixers are made without the use of mechanized equipment.

“They do everything by hand, from welding to bending the metal, and it comes out looking just like it would in the states,” said Perkins. “It’s the same thing, just done by men instead of machines.”

Perkins said that despite the differences in the method of production, Brazil produces mixers of the same quality as U.S. factories.

Perkins said his favorite part of the trip was getting to hold a Toucan, something he had never done before.

Alumni Update

1939

Hardin, Harold M.

Children: Lois ('43); Dale ('48)

822 Richards Drive, Mtn. Grove, MO 65711

Major: Science and Math

Occupation: Retired since 1971. Mechanical Engineer, Naval Ordnance System Command with the Navy.

1957

Haraldson, Randall E. Spouse: Daisy

Children: Candy ('58); Randy ('60); Rusty ('63)

Major: Agriculture and Math

Occupation: Retired

1969

Frieden, Tim L. Spouse: Brenda

Children: Brock ('77); Garrett ('80)

545 SW 30th Rd., Lamar, MO 64759

Major: General Agriculture

Occupation: Self-employed Farmer and Stockman

1970

Rhodes, James C.

16318 Summer Wind Dr., Houston, TX 77090

Major: Agriculture and Conservation

Occupation: Retired after 16 years with the USDA as a Regulator Enforcement Officer and 8 years with U.S. Customs and Border Protection.

Vassar, John "Wayne" Spouse: Linda

Children: Deborah ('70); Aimee ('74); Travis ('78)

628 S. Hwy T, Clinton, MO 64735

Major: Agriculture (plants and soils)

Occupation: President and CEO of Sharp Brothers Seed Company of Missouri.

1973

Waite, Mike Spouse: Penny

Children: Parker ('79); Ashely (Waite) Ruzich ('81)

5233 Brawner Place, Alexandria, VA 22304

Major: Agricultural Business

Occupation: Lobbyist and Government

Mike Waite, cont.

Relations Consultant with The Livingston Group LLC in Washington D.C.

1978

Ruzicka, Don T. Spouse: Julie

Children: Kelsey ('93)

1328 Deer Ln., Mt. Vernon, MO 65712

Major: Wildlife Conservation/Management

Occupation: Former MDC Conservation Agent (27 years), current State Representative of the 132nd District in Lawrence County.

1979

Chapin, Roy L. Spouse: Patricia

Children: Cathy ('85); Beth ('90)

5752 Co. Rd. 9720, West Plains, MO 65775

Major: Agronomy

Occupation: Farming full time with dairy and beef operation.

Tennant, Gregory L. Spouse: Shirley

P.O. Box 404, Sleepy Eye, MN 56085-0404

Major: Wildlife Conservation/Management

Occupation: District Conservationist with the USDA- Natural Resources Conservation Service in Sleepy Eye, Minn.

1980

McGinnis (Roberts), Debbi Spouse: Charles

Children: Isaac ('83); Daberath ('85); Whitney ('88); Denver ('94)

1030 E. 444, Bolivar, MO 65613

Major: Agricultural Economics

Occupation: Polk County Collector of Revenue

Wiggins (Beard), Nancy Spouse: Bryan

Children: Jeremy ('81); Tiffany ('82)

4215 Rancho Grande, NW Albuquerque, NM 87120

Occupation: Teacher at Grant Middle School. 2007 Recipient of a \$5000 grant to teach solar energy. 2007 Recipient of a \$5000 grant to teach solar energy

1981

White, Jonathan M. Spouse: Patty G.

Children: April ('73); Ryan ('83)

P.O. Box 131, Willow Springs, MO 65793

Occupation: President of First National Bank- Willow Springs, Mo.

1985

Kenemer, Timothy K. Spouse: Theresa

Children: Taylor ('97) Tanner ('00)

509 Wilderness Rd., Rogersville, MO 65742

Major: Agricultural Business

Occupation: County Executive Director (Douglas/Ozark) Country Farm Service Agency

1986

Smith, Miles F. Spouse: Lori

Children: Justin ('88); Lauren ('92)

210 S. Utah, West Plains, MO 65775

Major: Agricultural Business

Occupation: Manager of Member Services, Howell-Oregon Electric Cooperative. Directs the overall communications and marketing efforts of the cooperative.

1988

Porter, Tony Spouse: Lisha

Children: Austin ('87); Andrea ('89)

180 Park Ridge Dr., Bolivar, MO 65613

Major: Agricultural Economics

Occupation: Manager of Porter Seed House Inc. Buys, Processes, Packages, and markets KY31 tall fescue seed.

1989

Ramori, Jeffery A. Spouse: Mara

Children: Kristen ('96); Dalton ('99)

215 HWY AA, Steelville, MO 65565

Major: Agricultural Business

Occupation: Vice President and Compliance Officer- First Community National Bank (Steelville, Cuba, Sullivan, Rolla, Vienna and Eureka)

1990

Crane, Nancy L.

13204 Willow Breeze Lane, Huntersville, NC
Major: Agricultural Education, Animal Science
Occupation: Previously a Marketing Specialist for Syngenta Crop Protection (formerly Novartis and Zeneca). Currently a Real Estate Broker with and founder of the land company NLC Holdings LLC. Emphasis is on land and development.

1991

McDaniel, Keith A. Spouse: Michele

Children: Chase ('98); Trey ('02)
6096 S. Farm Road 249, Rogersville, MO 65742
Major: Agricultural Business
Occupation: Manager of Greater Ozarks MFA Agri Services in Ash Grove.

1993

Boles, Jody D. Spouse: Julie

Children: Tristan ('95); Thad ('96); Teagan ('01); Tate ('05)
141 Kelboon Drive, Marshfield, MO 65706
Major: Animal Science
Occupation: Area Sales Manager for MFA Inc.

1994

Hollis, Cindy

10520 W. Farm Rd, Walnut Grove, MO 65770
Major: Agricultural Business
Occupation: ED/trauma provider, graduate school UCM Nurse Program, raise crossbred and limousin cattle

1995

Dahmer, Shane K. Spouse: LeAnna

Children: Kyle ('04)
HCR 62 Box 15, Sheldon, MO 64784
Major: Agricultural Business
Occupation: John Deere Sales, Deems Farm Equipment of Nevada, Mo.

1995, cont.

White, Jason B. Spouse: Cindy

Children: Jordon ('99); Olivia ('00); Nathan ('03)
8214 N. Virginia, Kansas City, MO 64118
Major: Agricultural Business
Occupation: Account Manager with Pioneer Seed Company- service all accounts and reps in northwest Missouri.

1997

Earl (Barnitz), Sara K. Spouse: Pat

Children: Alison ('99); Nathan ('06)
P.O. Box 174, Lake Spring, MO 65532
Major: Animal Science
Occupation: Recruiting Assistant for the University of Missouri-Rolla Career Opportunities Center. Works with different employers that are interested in hiring UMR students for Full-Time, Internships or Co-op opportunities.

Hilty, Joe H. Spouse: Tricia

Children: Trenton ('02); Anna ('04)
36 NE Hwy C, Clinton, MO 64735
Major: Agricultural Business
Occupation: Vice President of Hilty Quarries, Inc. Bids; organizes; and administers multiple commercial, state, and federal construction projects throughout west central Missouri.

Hubbard (Biglieni), Suzanne Spouse: George

Children: Grant ('99); Shelby ('01), Carter ('04)
53160 E. 110th Rd. Miami, OK 74354
Major: Agricultural Communications
Occupation: Executive Director of Miami Area Chamber of Commerce

Lathram (Salladay), Tracy Spouse: Richie

Children: Era Kay ('97)
5000 Fawn Ct., Lincoln, NB 68516
Major: Animal Science
Occupation: Mammographer at Bryan LGH

Scotten, Doug W. Spouse: Michelle

P.O. Box 182, Kaiser, MO 65047

Doug Scotten, cont.

Major: Agricultural Business

Occupation: Missouri State Park Ranger- law enforcement position within the Missouri Department of Natural Resources.

1998

Bader, Ryan Spouse: Sarah (Simons)

5582 Pinehurst Ln., Columbia, Mo 65202
Major: Animal Science
Occupation: Veterinary Medicine student.
Graduation May 2008.

Martin (Plank), Jamie C.

P.O. Box 454, Osage Beach, MO 65065
Major: Agricultural Business
Occupation: Owner of Barefoot Floors LLC- retail floor covering store in Osage Beach, Mo.

Winka, Brian J. Spouse: Alison

Children: John Patrick ('04)
1771 Heffington Dr., Chesterfield, MO 63017
Major: Agronomy
Occupation: Parks Department Supervisor for the City of Chesterfield. Maintains 14 baseball fields, 9 soccer fields, 4 football fields, 3 parks, and other areas in the city

Harris (Hulsner), Jody L. Spouse: Nathan

Children: Natalie ('05); Mallory ('07)
18758 Duncan Rd., Fayetteville, AR 72701
Major: Agricultural Communications
Occupation: Consultant - Marketing & PR

1999

McIntire, Matt R. Spouse: Dana

Children: Emma ('03); Briar ('05)
Rt. 5 Box 345A, Butler, MO 64730
Major: Agricultural Education
Occupation: Agriculture Instructor and FFA Advisor at Archie R-V High School

2000

Kincaid, Jenny S.

4654 Pennsylvania, 2N, Kansas City, MO

Alumni Update *cont.*

Jenny Kincaid, cont.

Major: Agricultural Business/Marketing and Sales

Occupation: Act. Executive for a Public Relations Company

2002

Harriger, Jake D. Spouse: Jessica

Children: Jackson ('04); Jenna ('06)

4615 Elicia Ct., Noblesville, IN 46062

Major: Agricultural Business, marketing/sales

Occupation: Neuroscience Sales Operations

Associate for Eli Lilly and Company

Pharmaceuticals. Business Analyst.

Fuemmeler, Derek J. Spouse: Nicole

1701 S. Main St., Harrisonville, MO 64701

Major: Agronomy

Occupation: Owner/Operator of Yield-Max, LLC Crop and Soil Consulting Services

2005

Ruch (Taggart), Mary M. Spouse: David

Children: Jennifer ('65); Robert ('69); Holley

(74); Nathan ('76); Angela ('77)- deceased;

Sara ('86); Alec ('94); Ariel ('90)

P.O. Box 1434, Krebs, OK 74554

Major: Animal Science

Occupation: Graduate Student, Asbury Theological Seminary in Wilmore, Ky.

Ehlers, Serena D.

1250 Hwy 22A, Luray, TN 38352

Major: General Agriculture- Food Plant Management

Occupation: Sales Consultant for Cargill Animal Nutrition

2006

Haymes, Lindsay M.

1829 S. Roanoke, Springfield, MO 65807

Major: Agricultural Communication

Occupation: Editor for Ozarks Farm and Neighbor

Cole, Rich C.

13345 County Lane 91, Carthage, MO 64836

Major: General Agriculture

Occupation: Farm Manager for Grasslands Consultants. Manages a 500 cow New Zealand Intensive grass grazing farm.

2007

Rose, Richard Spouse: Ilene

Children: Kelsey ('03); Hayden ('04)

61 Sundance Road, Long Lane, MO 65590

Major: Agricultural Business - Finance Management

Occupation: Fresh Water Fishing Lure Inventory Specialist for Bass Pro Shops

Professor and Missouri Department of Agriculture are Fighting Invasive Moth Species

by Andrew Ormiston



The gypsy moth is a non-native moth species that is a major forest pest in the eastern United States and work is underway to prevent its spread to Missouri.

Dr. Michael Roling, entomologist at Missouri State University, and the Missouri Department of Agriculture are working together to prevent the gypsy moth from establishing in Missouri.

“We come together with different groups with a stake or interest in controlling or eradicating gypsy moth populations before they get established,” said Roling.

Gypsy moth larvae will eat many different tree species but they prefer oak. This makes Missouri’s oak-dense forests especially vulnerable to gypsy moth damage.

According to the US Forest Service, gypsy moths defoliate over 1 million acres of forest every year.

Attention All Alumni!

We’d like to update your contact information and hear about your work and life. Please go to our website and print the Alumni Update Form.

<http://ag.missouristate.edu/>

Fill it out and mail it in. Your colleagues and classmates would like to network with you. Thank you for taking this opportunity to share and connect.

The Staff of “Ag Review” and the Missouri State University Department of Agriculture.

Animal Science Professor and Team Travel the US to Work with Zoo and Circus Animals

Dr. Dennis Schmitt, veterinarian and Missouri State University animal science professor, continues to work on exotic animal reproduction issues with Ringling Brothers Circus and other circuses and zoos across the United States.

Schmitt and his team, two graduate students and Jr. Research Scientist Scotti Charmasson, travel to work with the animals on-site.

Back on campus the team performs laboratory work for the organizations. Most of the work is with elephant reproduction.

Julie King, Natural and Applied Sciences graduate student in endocrinology from Forsyth, Mo., said that the laboratory work on campus includes monitoring hormone levels of pregnant elephants and for elephants that are hoping to be bred.



Crystal Eng, Natural and Applied Sciences graduate student in endocrinology from Houston, Texas, enjoying a ride on Vicky. Vicky is owned by Carden Circus, Springfield, Mo.



Missouri State Jr. Research Scientist Scotti Charmasson ultra-sounding a goat at Redlands Community College, El Reno, Okla. Charmasson through the Pathways program teaches a course at Redlands. The Pathways program is a collaborative agreement between Missouri State University and community colleges where instructors are shared and distance-learning is utilized.



Julie King, Natural and Applied Sciences graduate student in endocrinology from Forsyth, Mo. and Dr. Dennis Schmitt, animal science professor, with elephant Renee at the Toledo Zoo, Toledo, Ohio.

Agriculture Department Has a Rich 102-Year History

by Jordan Haymes

Missouri State University's Agriculture Department has a rich history. Created in 1906, the institution was originally named The 4th District Normal School. It consisted of a one-room schoolhouse sitting on six acres of fertile soil. The six acres were divided up for use by agricultural classes and it stated in the class schedule publication, "Agriculture will be emphasized".

In 1915 the school offered 11 agricultural classes which met 7 a.m. Monday through Friday. Students taking these early classes were required to complete farm projects that included hatching and raising their own brood of chicks, and growing a garden at their home.

In 1917 the Smith-Hughes Vocational Education Act, which promoted vocational agriculture as a course taught in public schools, was enacted by Congress. This created a new demand for high school agricultural teachers and the Normal School rose to the occasion. Immediately, the necessary coursework was established for an agricultural education program.

In 1919 a legislative act renamed the institution to Southwest Missouri State Teachers College. That same year, the Agriculture Department became a separate branch from the Science Department.

In the early 1920s students took field trips to view some of the best stock farms in the county. Also, the Country Life Club was established with 78 members. In April 1925, at the club's Dairy Days, the first Dandelion Queen was elected. By 1926 the Country Life Club had 138 members and was the largest student organization on campus.



Barnwarming Queen in 1956



An early poultry class

The first Farm Week was in 1928. In 1931 the first Barnwarming was held, a tradition carried on today by FFA chapters across the state. Glen Karls joined the department in 1938. By 1939 one-fifth of the students on campus were enrolled in an agricultural class.

During World War II enrollment declined as many young men went to war. The department offered 19 agricultural classes and emphasis was placed on enhancing food production to aid the war effort.

In 1945 the teacher's college was renamed Southwest Missouri State College. In July 1947 a new department was created with Dr. Karls named as head. Soon after, the department installed new laboratories, processors and ovens.

KWTO radio station announced in 1956 that they would sponsor the first scholarship for an agricultural student. The \$100 scholarship would be given as the outstanding freshman award. In the late 1950s construction began on Karls Hall, the current home of the Springfield campus Agriculture Department.

Dr. J.N. Smith, who joined the faculty in 1959, initiated the unique Agricultural Industry Study that was a field trip especially organized for agricultural business majors.

In 1960 the SMS chapter of the National Agriculture Honor Society organization, Delta Tau Alpha, was established under the guidance of John Schatz who became department head in 1968. In 1970 1,500 students enrolled in agricultural classes, setting a new attendance record.

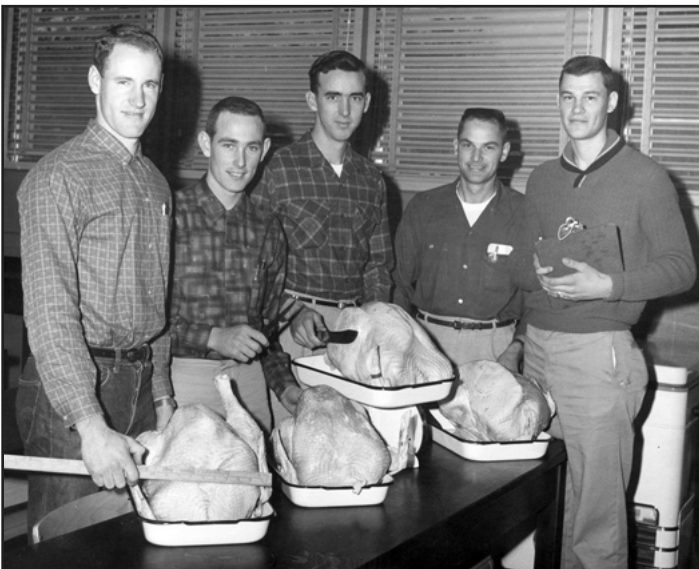
In 1972 Southwest Missouri State College became Southwest Missouri State University.



Dairy class in 1950

Dr. Anson Elliott was named head of the Agriculture Department in 1980. That year, 1,200 students visited the agricultural research center to view 15 research demonstrations on the farm, but due to the severe drought in 1979 many of the crops had barely survived. During the 1980s the Agriculture Department hosted and broadcast a farming radio program from Karls Hall. Students competed in national contests, participated in internships from across the country and Europe, and hosted hundreds of FFA members at district contests.

During the 1990s Agriculture Department faculty members increasingly were honored in state and national spotlights. Karls Hall housed over 15 clubs, including a successful rodeo team.



Turkey production class in 1961

Because many high school agricultural students weren't returning to family farms, agriculture majors refocused their studies by getting away from traditional production classes. In the late 1990s Karls Hall expanded. A new wing was added, nearly doubling the size of the building. The department created its first-ever Web site and in 1997 the first Salute to Agriculture football game was held.

In 2000 the 125-acre SMSU Agriculture Research and Demonstration Center that had been part of the university since 1968, was renamed the William H. Darr Agricultural Center. A major donation by William H. and Virginia Darr made several improvements possible

In August 2005 Missouri Governor Matt Blunt signed the resolution that changed the university name to Missouri State University.

For more than a century, traditions have begun, minds have been stretched and legacies have been made within the walls of agricultural classrooms at Missouri State. From a one-room school house in 1906 to the technology-driven building of Karls Hall, Missouri State's Agriculture Department is truly one with a dynamic and rich history.

For more information about the history of the Missouri State University Agriculture Department or to order a history book, contact Dr. Lyndon Irwin at LyndonIrwin@missouristate.edu or 417-836-5088.



Soils and land evaluation team

Students Gain Media Room Experience

Five Missouri State University students worked in the media room at the 80th Missouri FFA Convention in Columbia, Mo., April 16-19, to gain valuable agricultural communications experience.

Under the direction of Joyce Cutright, FFA media room coordinator, students drafted, edited and posted more than 400 news releases. News releases were sent all over the state to the hometown newspapers of FFA award winners. Students began working the day before convention started and stayed the day after it ended.

Some students return each year to take part in the media room.

“It was a learning experience. I had a lot of fun,” said Ormiston. “I had a great time at last year’s media room and asked Joyce [Cutright] if I could do it all over again.”

“The students who participated in the media room did a fabulous job,” said Cutright, “I know that the experience that they gained there will prepare them to work in any professional media room situation.



The media room team at FFA state convention are pictured (from left) Joyce Cutright, FFA media room coordinator; Krystal Hanner, agricultural communications major from Carthage; Wenonah Toney, agricultural education major from Marshfield and Hailey Robertson, agricultural communications major from Lamar. Not pictured are Andrew Ormiston, agricultural communications major from Sparta and Allie Massa, agricultural education major from Lamar.

Agricultural Industry Study Provides Real World Look at Agribusiness

by Lauren Bills and Andrew Ormiston

This January approximately 30 Missouri State University agriculture students got a first-hand look at agribusiness by participating in the Missouri State Agricultural Industry Study.

The Agricultural Industry Study is an intensive five-day study that gives agriculture majors a chance to experience the real-life agribusiness industry. This year’s study was led by Dr. Bruce Johnson, professor of agricultural business and Dr. Arbindra Rimal, associate professor of agricultural business.

Study participants first visited FCS Financial in Jefferson City. Next they travelled to St. Louis spending the next three days visiting DOT Foods-Holden Meats Inc.; RABO Agrifinance; DMR Kinetic; Lange-Steadman Co.; Monostato Co.; The American Soybean Association; the Federal Reserve Bank of St. Louis and Land O’ Lakes Purina Feed LLC. The group then visited Osborn and Barr Communications in Clayton, Mo. On the last day of the study, the group went back to Jefferson City and met with representatives from the Missouri Department of Agriculture and Missouri Farm Bureau.

Rimal stressed that the Agricultural Industry Study is not a tour, saying, “We go to the company’s board room. We talk with the company president and vice president, and hear about the company’s management, marketing and production practices.”

Rimal said that students in the study were graded based on their participation in the event. Students taking the study were expected to ask relevant questions during presentations and also were required to complete and turn in projects which included filling out forms and writing essays after the presentation. Every evening ended with a discussion about the day’s events.

Students who took part in the study said that the first-hand experience gave them an outlook on job possibilities and how hard work, determination and teamwork make those businesses succeed.

“The study gave me a look into so many different careers. I now have a good idea of what I would like to do once I graduate,” said study participant Kym James, senior agricultural business major from Edgar Springs, Mo.



Mountain Grove Campus Shares News & Events

by Andrew Ormiston

The Missouri State Fruit Experiment Station on the Mountain Grove campus hosted Raising Honeybees, a bee and honey production workshop, June 19.

The event was led by John Avery, field superintendent for the Fruit Experiment Station. Avery demonstrated bee keeping equipment and covered topics such as making good honey, harvest and storage methods, and ways to recognize honey bee diseases and mites. Raising Honeybees was part of the University County Extension Small Farm Tour which was held over seven days.

The Missouri State Fruit Experiment Station on the Mountain Grove campus hosted a wine chemistry workshop May 11 – 12. The workshop was sponsored by Viticulture and Enology Science and Technology Alliance, (VESTA) a National Science Foundation funded partnership that includes Missouri State University, area two-year colleges and area winemakers. The workshop featured wine making expert Dr. Barry Gump, professor of enology and food science at Fresno State University, Fresno, Calif. During the two-day event, Gump lectured and led participants through hands-on wine chemistry procedures.



The Springfield Nature Center hosted a two-day workshop January 12 – 13, teaching landscapers to incorporate native plants into their designs. The workshop was sponsored by Grow Native!, a joint program of the Missouri Department of Conservation and Missouri Department of Agriculture that encourages use of Missouri's native plants in landscaping. The two-day series featured presentations from nine different landscape experts, including keynote speaker Dave Tylka who lectured on integrating native plants into yards with small acreage. The workshop was sponsored by Grow Native!, City of Springfield Public Works Department, Show-Me Yards and Neighborhoods, Springfield/Greene County Choose Environmental Excellence, Missouri State University, and University of Missouri Extension.

The Missouri State Fruit Experiment Station on the Mountain Grove campus hosted a pruning workshop March 3. Participants learned basic pruning techniques in a classroom and gained hands-on experience at the station's horticulture garden.



University Staff Ambassador (USA) members visited the Mountain Grove and West Plains campuses last October. USA is a program at Missouri State meant to build communications across departments and help staff members learn more about the university. Participants are divided into teams and complete small projects. USA is open to full-time staff and the program is offered at no cost to participants.



Alumni and community representatives showed their support for the Mountain Grove campus by wearing denim and diamonds at the Jeans and Jewels wine tasting and barbeque held October 20 at the Missouri State Fruit Experiment Station. Guests were served barbeque and sampled wine and port produced by the campus winery, Mountain Grove Cellars. Tickets for this event were \$40 per person and \$75 per couple with proceeds going to support the enology and viticulture programs. The Mountain Grove Campus Advisory Board organized the event.

Sept. 5 Grow Native! and The Missouri State Fruit Experiment Station on the Mountain Grove campus presented Missouri Cut Flowers: From Field to Market. This all-day event featured a field tour and presentation of cut-flower planting as well as lectures presented by area experts including Dr. Alan Stevens, associate professor of horticulture at Kansas State University.

Graduates

Summer 07

| | | | |
|----------------------|------------------------|---------------|--------|
| Bernard, Alexandria | Animal Science | Carthage | Mo. |
| Bowman, Donnie R Jr | Agronomy | El Dorado Spg | Mo. |
| Chen, Qiang | Plant Science | Gainesville | Fla. |
| Henderson, Kent H | Animal Science | Stoutland | Mo. |
| Jones, Tracy R | Animal Science | Liberal | Mo. |
| Lallemant, Sonja | Horticulture | Springfield | Mo. |
| Marson, Kristine M | N/A | Lodi | Calif. |
| McCall, Darin L | Finance, Management | Sikeston | Mo. |
| McCulloch, William V | Animal Science | Springfield | Mo. |
| Meeks, Alvin S | Horticulture | Stockton | Mo. |
| Pfizer, James M | Animal Science | Verona | Mo. |
| Prewitt, Steven D | Agricultural Education | Urbana | Mo. |
| Raines, Heather A | Agricultural Education | Bethany | Mo. |
| Rogers, Jamie L | Agricultural Education | Jamesport | Mo. |
| Schmitt, Adam G | Agricultural Education | Washington | Mo. |
| Tinsley, Michelle L | Animal Science | Billings | Mo. |

Fall 2007

| | | | |
|----------------------|-----------------------------|---------------|-------|
| Barb, Renae K | Animal Science | La Russell | Mo. |
| Barnett, Barry V | General Agriculture | Broseley | Mo. |
| Bass, Felicia R | Animal Science | Carthage | Mo. |
| Branson, Kimberly D | Animal Science | Belle | Mo. |
| Brownlow, Kimberly D | Agronomy | Alexandria | La. |
| Buck, Jordan L | Animal Science | Springfield | Mo. |
| Caskey, Michelle L | Wildlife Conservation | Springfield | Mo. |
| Devaney, Timothy J | Agronomy | Hallsville | Mo. |
| Devore, Dustin W | Animal Science | Rogersville | Mo. |
| Dover, Tera L | Agricultural Communications | Monett | Mo. |
| Eaves, Megan | Animal Science | El Dorado Spg | Mo. |
| Elbert, Luke A | Agricultural Business | Pierce City | Mo. |
| Ellis, Jordan A | Agronomy | Cassville | Mo. |
| Gormley Joshua P | Wildlife Conservation | Springfield | Mo. |
| Griggs, Megan M | Horticulture | Stockton | Mo. |
| Hayter, Zachary R | Animal Science | Walnut Grove | Mo. |
| Holt, Devin T | Wildlife Conservation | Preston | Mo. |
| Hurshman, Holly M | Animal Science | Nixa | Mo. |
| Huser, Adam D | General Agriculture | Lockwood | Mo. |
| Keener, Angela H | Agricultural Business | Springfield | Mo. |
| King, Julie L | Animal Science | Springfield | Mo. |
| Kottemann, Katherine | Wildlife Conservation | Saint Louis | Mo. |
| McCleary, Cody M | Wildlife Conservation | Springfield | Mo. |
| McCulloch, William V | Animal Science | Springfield | Mo. |
| Mooney, Billie J | General Agriculture | Welch | Okla. |
| Moore, Amanda C | Wildlife Conservation | Harviell | Mo. |
| Oconnor, Diane M | Animal Science | Niangua | Mo. |
| Opfer, Brett L | Horticulture | Springfield | Mo. |
| Pitts, Robb L | Animal Science | Hermitage | Mo. |
| Rainwater, Jamie L | Agricultural Marketing | Buffalo | Mo. |
| Rauch, Henry R | Agronomy | Miller | Mo. |
| Sherrill, Ashley M | Wildlife Conservation | Lebanon | Mo. |
| Stockton, Ryan M | Agronomy | La Russell | Mo. |
| Stratton, Laura G | Agricultural Business | Lebanon | Mo. |
| Stratton, Robert J | Animal Science | Lebanon | Mo. |
| Stremsterfer, Todd S | Horticulture | Springfield | Mo. |
| Thomas, Rebecca L | Horticulture | Stockton | Mo. |
| Walker, Carole V | Horticulture | Castle Rock | Colo. |
| Walker, Cody D | Agricultural Business | Springfield | Mo. |
| Wilder, Laura A | Wildlife Conservation | Willard | Mo. |
| Wilson, Brittany L | Wildlife Conservation | Aurora | Mo. |
| Yoder, Ashleigh E | Wildlife Conservation | Nixa | Mo. |

Spring 08 tentative

| | | | |
|----------------------|-----------------------------|----------------|-------|
| Ansley, Eric T | Agronomy | Lamar | Mo. |
| Baker, Brandon D | Animal Science | Wasola | Mo. |
| Barker, Brianna M | Animal Science | Tulsa | Okla. |
| Blaue, Rusty L | Agricultural Business | Wellsville | Mo. |
| Bradish, Michael D | Animal Science | Montreal | Mo. |
| Bradley, Danan R | Animal Science | Buffalo | Mo. |
| Breshears, Kara L | Agricultural Communications | Republic | Mo. |
| Buck, Jordan L | Master's/NAS | Springfield | Mo. |
| Burns, Larin L | Animal Science | Nixa | Mo. |
| Buttram, Amanda J | Animal Science | Conway | Mo. |
| Clapp, Patricia J | Technology Education | Miami | Okla. |
| Cornell, Dana L | General Agriculture | West Plains | Mo. |
| Cornell, Jack E | Plant Science | Greenville | Ohio |
| Davidson, Hayley M | Horticulture | Independence | Mo. |
| Dean, Mary M | Master's/NAS/Ag | Ash Grove | Mo. |
| Deimeke, Bryan L | Master's/ NAS | Laddonia | Mo. |
| Deutsch, John P | Master's/ NAS | Niangua | Mo. |
| Eggerman, Matthew S | Horticulture | Lockwood | Mo. |
| Eichmeyer, Gregory D | Wildlife Conservation | Springfield | Mo. |
| Elliott, Hollie M | Agricultural Communications | Springfield | Mo. |
| Ford, Jennifer A | Animal Science | Springfield | Mo. |
| Forst, Jonathan D | Agricultural Business | Lamar | Mo. |
| Frazier, Spring V | Animal Science | Nixa | Mo. |
| Freiburger, Andrew P | Wildlife Conservation | Aurora | Mo. |
| Gall, Jeffrey L | Agricultural Business | Bois D Arc | Mo. |
| Garretson, Shannon L | Wildlife Conservation | Humansville | Mo. |
| Gideon, Lindsey R | Animal Science | Stella | Mo. |
| Gillig, Ashley E | Agricultural Business | Aurora | Mo. |
| Gillig, Brittany R | Agricultural Business | Aurora | Mo. |
| Hancock, Justin W | Animal Science | Sheldon | Mo. |
| Harmon, Sarah E | Master's/ NAS | Springfield | Mo. |
| Harter, Bradley J | Animal Science | Bois D Arc | Mo. |
| Harvey, Brant M | Agricultural Business | Lamar | Mo. |
| Haub, Michael D | Agronomy | O Fallon | Mo. |
| Heintz, Anders T | Agricultural Business | Alpine | Texas |
| Jayaram, Jackin | Master's/ NAS | Terre Haute | Ind. |
| Johnson, Alex H | Animal Science | Linn Creek | Mo. |
| Keller, Tess A | Wildlife Conservation | Owensville | Mo. |
| Kent, Deidre N | Animal Science | Ash Grove | Mo. |
| King, Amber N | Animal Science | Springfield | Mo. |
| King, Nathan B | Animal Science | Lebanon | Mo. |
| Knight, Deborah L | Animal Science | Springfield | Mo. |
| Kolar, Troy J | General Agriculture, BAS | Mustang | Okla. |
| Lawrence, Jerrod P | Agricultural Education | West Plains | Mo. |
| Letsinger, Cory R | Technology Education | Mansfield | Mo. |
| Lewis, Anitra N | Horticulture | Florissant | Mo. |
| Li, Nan | Plant Science | Indianapolis | Ind. |
| Lockard, Kevin W | Wildlife Conservation | Salisbury | Mo. |
| Loneman, James E | Horticulture | Lake Winnebago | Mo. |
| Mayers, Amanda L | Animal Science | West Plains | Mo. |
| McCorkill, Mary E | Agricultural Business | Greenfield | Mo. |
| Milam, Phillip R | Animal Science | Fort Smith | Ark. |
| Mullen, Emily K | Animal Science | Steelville | Mo. |
| Myers, Richard F IV | General Agriculture, BAS | El Reno | Okla. |
| Netzer, Lynn N | Animal Science | Springfield | Mo. |
| Niebruegge, Timothy | Horticulture | Owensville | Mo. |
| Phipps, Travis F | Agricultural Education | Ozark | Mo. |
| Rapp, Sarah | Wildlife Conservation | Rockville | Mo. |
| Sasapu, Appala-Naidu | Plant Science | Mountain Grove | Mo. |
| Scheuer, Andrew D | Wildlife Conservation | Springfield | Mo. |
| Scholz, Stephen P | Wildlife Conservation | Springfield | Mo. |
| Sherman, Kate L | Wildlife Conservation | Vichy | Mo. |
| Snook, Landon D | Agricultural Education | Exeter | Mo. |
| Stackhouse, Ryan J | Animal Science | Paris | Mo. |
| Thogmartin, Lucas | General Agriculture, BAS | Neosho | Mo. |
| Vandever, Alicia R | Animal Science | Seymour | Mo. |

Congressman Blunt Announces \$2.9 Million Grant for Missouri State for Viticulture Education

News Release text from Congressman Roy Blunt's Web site

West Plains, Mo., Sept. 25, 2007 – Southwest Missouri Congressman Roy Blunt announced \$2.927 million in National Science Foundation funding for Missouri State University's Viticulture and Enology Science & Technology Alliance (VESTA). The grant to Missouri State will be used to provide education to community colleges in 12 states through online training courses about the grape and wine industry.

"I'm pleased to announce this critical funding that will help both our grape and wine industry and the economy of southwest Missouri grow," Congressman Blunt said.

"This NSF grant allows Missouri State University through the Viticulture and Enology Science & Technology Alliance to continue to play a key role well into the future." "This NSF grant will enable Missouri State University's Viticulture and Enology program to expand and become even more influential for Missouri and all of the Midwest region of the United States," Missouri State University President Mike

Nietzel said. "Our faculty and staff, as well as those in the partner institutions, deserve enormous credit for earning this support based on a nationally competitive process. Their scientific and technical merit has been recognized, and many communities and individuals will now benefit."

VESTA Principal Investigator and Executive Director Dr. Dale Law, based at Missouri State's West Plains campus, said the program has drawn 270 students from 27 states over the last three years to the only on-line internet learning program of its kind. Because the program is Internet-based experts in wine and grapes from California, New York and around the nation are able to teach classes.

"The grape and wine industry has seen steady growth and will need educated and highly trained individuals to continue this growth. There is great interest in expanding the program to cover Midwestern states, because the modern grape and wine industry require scientific knowledge in math and related technologies. VESTA provides all of these skills," Law explained.

The scientific research for VESTA is conducted at the Missouri Fruit Experiment Station in Mountain Grove, which is part of Missouri State University system. The grant recognizes the Mountain Grove facility, where scientific research has been practiced for more than a century, as a "regional center of excellence."

Initially community colleges in Iowa and Illinois were part of the on-line learning model VESTA started three years ago. Two-year colleges in Oklahoma (Redlands Community College) and Illinois (Rend Lake College) and Iowa (Northeast Iowa Community College) will join the project as it expands into 12 states.

Missouri, which ranks 11th in the nation in wine production, has seen the number of wineries increase from 64 in 1999 to 89 in 2005 with similar increases in surrounding states.. A 2007 study found the grape and wine industry produced a \$162 billion benefit to the U.S. economy, including \$17 billion in state and federal taxes. There are 930,000 acres of grapes and 4,900 wineries employing 1.1 million people in the U.S.

Students Who Completed a Master of Science in Natural and Applied Sciences 2007-2008

Mary M. Dean, Ash Grove, Mo. Advisor, Dr. Gary Webb. Thesis Title: Effect of Centrifugation Techniques on Post Storage Characteristics of Stallion Spermatozoa.

Bryan L. Deimeke, Laddonia, Mo. Advisor, Dr. Beth Walker. Thesis Title: Factors Influencing Missouri Livestock Producers' Perceptions of the National Animal Identification System.

Jackin Jayamar, India. Advisor, Dr. Dennis Schmitt. Thesis Title: Potential Gonadotrophin Activity of Early Pregnancy in Elephants.

Sarah Harmon, Conway, Ark. Advisor, Dr. Gary Webb. Thesis Title: Use of Chicken vs. Chukar (*Alectoris chukar*) Egg Yolk as Components of Freezing Media for Stallion Semen.

Kristy Marson, Lodi, Calif. Advisor, Dr. Dennis Schmitt. Thesis Title: The Effects of Equine Seminal Plasma on Asian Elephant (*Elephas maximus*) Spermatozoa.

Rebecca Thomas, Springfield, Mo. Advisor, Dr. Arbindra Rimal, Thesis Title: Perceived Educational Experience and Employment Preparation of Agriculture Alumni.

November Scholarship Banquet Highlights



Agriculture Alumni

Tyler Stewart, senior wildlife conservation major from Bolivar, Mo. (left), receiving the award from Tim Eggerman, alumni representative (right).



Agriculture Alumni

Christopher Rapp, sophomore general agriculture major from Rockville, Mo. (left), receiving award from Susan Dawley, alumna representative (right).



Gayle Ashley Horticulture Club Scholarship

Kirk Amato, senior horticulture major from Sacramento, Calif. (left), receiving award from Pam Trewatha, professor (right).



Block & Bridle Club Scholarship

Brant Harvey, senior agricultural business major from Lamar, Mo. (left), receiving award from Brittany Gillig, president of Block & Bridle (right).



Douglas W. Darr Leadership Scholarship

Christine Gonder, junior agricultural communications major from Lexington, Mo. (left), receiving award from Kurt and Sherry Hellweg, scholarship founder (right).



Douglas W. Darr Leadership Scholarship

Wesley Davis, sophomore agricultural communications major from Ava, Mo. (left), receiving award from Marsha Slaight (right).

Agriculture Alumni

| | Recipient | Home Town |
|-----------------|------------------|---------------|
| Senior | Danan Bradley | Buffalo |
| Senior | Jennifer Ford | Ellisville |
| Senior | Lynn Netzer | Springfield |
| Senior | Travis Phipps | Ozark |
| Senior | Tyler Stewart | Bolivar |
| Junior | Ryan Draffen | Versailles |
| Junior | Leah Francka | Pleasant Hope |
| Sophomore | Christopher Rapp | Rockville |
| Freshman | Kimberly Luers | Wahoo, Neb. |
| Transfer Junior | William Allison | Powell |
| Transfer Junior | John Henry | Humansville |
| Transfer Junior | Garrett McMullen | Bergman, Ark. |

Gayle Ashley Horticulture Club Scholarship

| | |
|------------|--------------------|
| Kirk Amato | Sacramento, Calif. |
|------------|--------------------|

Block & Bridle Club Scholarship

| | |
|--------------|--------|
| Brant Harvey | Lamar |
| Hanna Henley | Eugene |

Carr Farm Scholarship

| | | |
|----------|------------------|-------------|
| Senior | Jason Cutler | Morrisville |
| Junior | Jessica Kindall | Fordland |
| Freshman | Hailey Robertson | Lamar |
| Transfer | Krystal Hanner | Carthage |

Douglas W. Darr Leadership Scholarship

| | | |
|-----------|-------------------|---------------|
| Senior | Tera Dover | Aurora |
| Senior | Ashley Gillig | Aurora |
| Senior | Brittany Gillig | Aurora |
| Junior | Lynzee Glass | Tunas |
| Junior | Christine Gonder | Lexington |
| Junior | Jordan Haymes | Mt. Vernon |
| Junior | Jordan Richner | Pleasant Hope |
| Junior | Jamie Vest | Lebanon |
| Sophomore | Wesley Davis | Ava |
| Sophomore | Allie Massa | Lamar |
| Sophomore | Amanda Parrack | Macks Creek |
| Sophomore | Danielle Woehrman | Camden Point |
| Sophomore | Matthew Wommack | Buffalo |
| Freshman | Courtney Johnson | Hannibal |
| Freshman | Kevin Lee | Nevada |
| Freshman | Wenonah Toney | Marshfield |

The Honor Society of Delta Tau Alpha Scholarship

| | |
|-----------------|---------|
| Alicia Vandever | Seymour |
|-----------------|---------|

FFA Scholarship

| | |
|---------------|---------------|
| Landon Snook | Exeter |
| Joseph Stokes | Pleasant Hope |

Farmers Coop Livestock Marketing Scholarship

Melissa Kleiboeker Pierce City
Nathan Owens Slater
Katy Scott Marshfield

Jack Gordon Memorial Scholarship

Holly Hurshman Nixa

Christian Robert Hirsch Memorial Scholarship

Ryan Stackhouse Paris

Harry & Marion James Agronomy Scholarship

Kimberly Brownlow Ash Grove

Missouri Society of Farm Managers & Rural Appraisers Scholarship

Kymberly James Edgar Springs

Norman Justus Scholarship

Jessica Soloman Bucklin

Glenn E. & Ruth Z. Karis Memorial Scholarship

Senior Hollie Elliott Springfield
Junior Emily Spellman Mt. Vernon
Junior Cathleen Vought Tower, Minn.
Sophomore Kara Bader Campbell
Sophomore Josh Cutler Morrisville
Sophomore Carrie Lampe St. Louis
Freshman Eric Allison Greenfield
Transfer Junior Jessica Bailey Neosho
Transfer Junior Jacob Church Clinton
Transfer Junior Erin Young Pomona

Benjamin Charles Kruse Memorial Scholarship

Erin McCorkill Greenfield

James P. & Margaret S. Landreth Scholarship

Caleb Robertson Lamar

MFA, Inc. Scholarship

Jerrold Lawrence West Plains

H. Lewis Miller Scholarship

Andrew Kautsch Russellville

Missouri Farm Bureau Foundation for Agriculture Scholarship

Austin Shelby Osceola
Daniel Wisner Osceola

Ed Pinegar Scholarship

Amanda Burdick Willard
Kelsey Ragsdale Willard



Douglas W. Darr Leadership Scholarship

Courtney Johnson, freshman animal science major from Hannibal, Mo. (center), receiving award from Bill & Virginia Darr.



James P. & Margaret S. Landreth Scholarship

Caleb Robertson, junior animal science major from Lamar, Mo. (left), receiving award from Clydette Alsup, associate professor (right).



FFA Scholarship

Landon Snook, senior agricultural education major from Exeter, Mo. (left), receiving award from Jim Hutter, associate professor (right).



Jack Gordon Memorial Scholarship

Holly Hurshman, senior animal science major from Nixa, Mo. (left), receiving award from Ralph Gordon (right).



Missouri Society of Farm Managers & Rural Appraisers Scholarship

Kymberly James, junior agricultural business major from Edgar Springs, Mo. (left), receiving award from R. Bruce Johnson, professor (right).



Glenn E. & Ruth Z. Karls Memorial Scholarship

Josh Cutler, sophomore general agriculture major from Morrisville, Mo. (left), receiving award from Lyndon, Irwin, professor (right).

November Scholarship Banquet Highlights *cont.*



Howard Pyle Memorial Scholarship
Timothy Niebruegge, senior horticulture major from Owensville, Mo. (left), receiving award from Pam Trewatha, associate professor (right).



Vernon Renner Scholarship
Lucas Snodgrass, junior agronomy major from Seymour, Mo. (left), receiving award from Ben Fuqua, professor (right).

Howard Pyle Memorial Scholarship

Timothy Niebruegge Owensville

Vernon Renner Scholarship

| | | |
|------------------------|------------------|------------------|
| Soils | Sarah Bunton | Liberal |
| Soils | Christopher Lanz | Liberal |
| Environmental Studies | Ben DeTar | Cherryvale, Kan. |
| Leadership-Upperclass | Sarah Rapp | Rockville |
| Leadership-Upperclass | Ashley Vinson | Mt. Vernon |
| Ecological Agriculture | Lucas Snodgrass | Seymour |

John D. Schatz Scholarship

Megan Griggs Stockton

JN Smith/FCS Financial Memorial Scholarship

Chad Arnone Montreal
Christopher Gunn Versailles

Stanlie H. & Belva Ross Spangler Memorial Scholarship

Whitney Wiegert Pleasant Hope
Ryan Wood Springfield

David F. Stanke Memorial Scholarship

Victor Arnaud Monett
Angela Boyer Park Hills

Charles & Patricia Stufflebeam Agricultural Scholarship

Julie Fullerton-King Forsyth

Robert F. Thomson, Jr. Family Scholarship

James Kaiser Purdy

Uncle Tom Watkins Memorial Scholarship

Megan Eaves El Dorado Springs
Jocelyn Butler Republic

White River Valley Electric Cooperative Scholarship

Shannon Garretson Humansville
Andrew Scheuer Branson



David F. Stanke Memorial Scholarship
Angela Boyer, senior animal science major from Park Hills, Mo. (left), receiving award from Beth Walker, assistant professor (right).



White River Valley Electric Cooperative Scholarship
Andrew Scheuer, senior wildlife conservation major from Branson, Mo. (left), receiving award from Jon Wiggins, Professor (right).



Farm Bureau Salute to Agriculture Award
Logan Yearsley, freshman agricultural education major from Buffalo, Mo. (left), receiving award from Wayne Schnelle, co-founder (right).



Glenn E. & Ruth Z. Karls Memorial Scholarship
Erin Young, junior agricultural education major from Pomona, Mo. (left), receiving award from Sue Webb, instructor (right).

Awards

Farm Bureau Salute to Agriculture Award

Logan Yearsley Buffalo

Greene County Cattleman's Association Award

Flinton McCabe Elk City, Kan.

Greene County Farm Bureau Award

Jennifer Main Ash Grove
Andrew McCorkill Greenfield

Missouri Entertainment and Events Center Internship

Lynzee Glass Tunas

Grasslands, Inc. Assistantship

Jarred Meyer Glasgow

Honor Society of Delta Tau Alpha Outstanding Freshman Award

Alicia Vandever Seymour

Carr Farm Scholarship

Hailey Robertson Lamar

Farmer's Coop Livestock Marketing Scholarship

Katy Scott Marshfield

James P. & Margaret S. Landreth Scholarship

Caleb Robertson Lamar

Glenn E. & Ruth Z. Karls Memorial Scholarship

Erin Young Pomona

Robert F. Thomson Jr. Family Scholarship

James Kaiser Purdy



Farmer's Coop Livestock Marketing Scholarship
Katy Scott, junior agricultural business/ agricultural marketing and sales major from Marshfield, Mo. (left), receiving award from Arbindra Rimal, associate professor (right).



Carr Farm Scholarship
Hailey Robertson, freshman agricultural communications major from Lamar, Mo. (left), receiving award from Wilma Jean Lower, Carr family member (right).



Robert F. Thomson Jr. Family Scholarship

James Kaiser, junior agricultural education major from Purdy, Mo. (left), receiving award from Mariana Thomson, founder (right).



The Honor Society of Delta Tau Alpha Scholarship

Sarah Rapp, President of Delta Tau Alpha (left), presenting award to Alicia Vandever, senior animal science major from Seymour, Mo. (right).

Glenn E. Karls Senior Excellence Award

Ashley Gillig Aurora
Brittany Gillig Aurora



Ashley Gillig, senior agricultural business major from Aurora Mo. (left), receiving award from Department of Agriculture Head Dr. Anson Elliott (right).



Brittany Gillig, senior agricultural business major from Aurora Mo. (left), receiving award from Department of Agriculture Head Dr. Anson Elliott (right).



Glenn E. Karls Senior Excellence Award in Agriculture

Ashley Gillig (left) and Brittany Gillig (right), senior agricultural business majors from Aurora, Mo., receiving award from Department of Agriculture Head Dr. Anson Elliott (center).



Tera Dover, senior agricultural education major from Aurora, Mo. (left), receiving award from Department of Agriculture Head Dr. Anson Elliott (right).



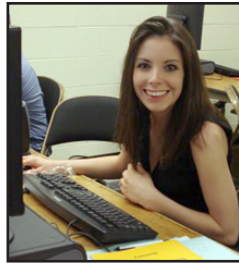
Hollie Elliott, senior agricultural communications major from Springfield, Mo. (left), receiving award from Department of Agriculture Head Dr. Anson Elliott.

The agricultural communications class, under the direction of class instructor Joyce Cutright, provided feature stories for the spring 2008 edition of the Missouri State University Ag Review.

Class members pictured are:



Hailey Robertson, freshman agricultural communications major from Lamar, Mo.



Wenonah Toney, freshman agricultural education major from Marshfield, Mo.



Levi Moore, sophomore animal science major from Mountain View, Mo.



Lauren Bills, junior agriculture major from Fair Grove, Mo.



Jill Kohler, junior animal science major from Seneca, Mo.



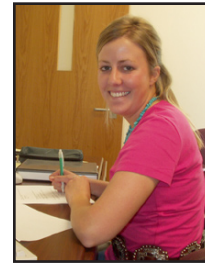
Jake Wilhoit, senior animal science major from Cole Camp, Mo.



Jordan E. Haymes, junior agricultural communications major from Mount Vernon, Mo.



Rebecca Price, junior animal science major from Schell City, Mo.



Jocelyn Butler, junior animal science major from Republic, Mo.



Ellen Timmerman, freshman agricultural communications major from Nunica, Mich.



Nathan King, senior animal science major from Lebanon, Mo.



Ethan Miller, sophomore animal science major from Centralia, Mo.



Amanda Mayers, senior animal science major from West Plains, Mo.



Lauren Kneip, junior animal science major from Harrison, Ark.



Chase Wilson, senior agricultural communications major from Marshfield, Mo.



Andrew Ormiston, senior agricultural communications major from Sparta, Mo.



Allie Massa, junior, agricultural education major from Lamar, Mo.



Cory North, senior animal science major from Lebanon, Mo.

Layout and Copy Editing: Pamela Mayer, Joyce Cutright, Andrew Ormiston, Agriculture Department Office Staff

Agriculture Forum Deemed a Success

by Wenonah Toney and Kimberly James

The 10th Missouri State University Collegiate Farm Bureau Agriculture Forum hosted speakers Congressman Roy Blunt and Charles Kruse May 2 in the White River Room at Bass Pro Shops to bring awareness to and focus on critical issues facing rural America. This annual program is exemplary of Missouri State University's public affairs mission.

Dr. Neitzel, Missouri State University president, welcomed guests to the event.



Dr. Michael Nietzel, Missouri State University president, welcoming Agriculture Forum guests.



Erin McCorkle, Collegiate Farm Bureau president, addressing the Agriculture Forum.

Jeremy Hayward served as moderator of the forum. Hayward is an agronomy specialist who works as MFA field crops area sales manager.

United States Representative Roy Blunt expressed his views of American agriculture. "Agriculture is an industry in a dramatic change... One of the greatest opportunities is that we produce more food than we can consume."



Jeremy Hayward serving as master of ceremonies.



Charles Kruse, Missouri Farm Bureau President and Roy Blunt, U.S. Congressman - 7th District, answering questions during the Agriculture Forum.

Missouri Farm Bureau President Charles Kruse cautioned that "this is an exciting yet perilous time for agriculture. What's scary is that we are now the number one importer of nitrogen fertilizer."

"The audience consisted of federal, state and county government officials as well as business leaders, and farmers," said Dr. Anson Elliott, Missouri State University Agriculture Department head. "This allowed a healthy discussion of the issues facing rural America."

Ag Review

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Department of Agriculture
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