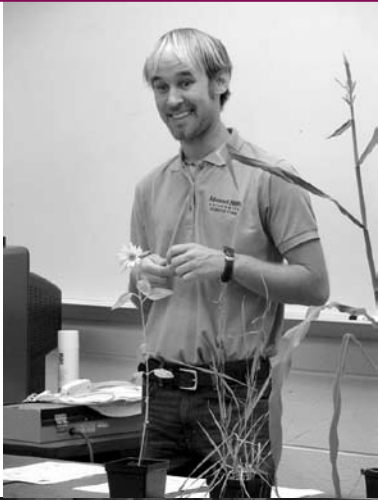


MISSOURI STATE UNIVERSITY

A G R E V I E W



Volume 25

Spring
2007

Reflections from the Missouri State University Department Head

by Dr. Anson Elliott



Many achievements are highlighted in this year's *Ag Review*. We have enjoyed experiencing the completion of Pinegar Arena that had its beginnings over a dozen years ago. It has held FFA Contests, and hosted both beef and horse production educational events. Hundreds of students have noted what a wonderful facility that has been made possible by major donations of Ed Pinegar and Bill Darr. Significant funding was also made possible with additions from the Legislature into Missouri State University's budget for this purpose.

The expansion of our USDA Pathways Grant has allowed us to send classes and a complete general agriculture degree through television and internet technology. Students from West Plains, Crowder College, Northeast Oklahoma A&M and Redlands Community College (located just west of Oklahoma City), have gained from this program. The faculty are to be commended for adopting this new method of teaching students.

So many wonderful, generous people continue to support the department with their gifts, ideas and willingness to host our groups or speak to our classes. You are greatly appreciated.

Please come by and visit us.

Anson Elliott

Department of Agriculture Faculty and Staff Members:

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 & Ento.
Dr. Dennis Schmitt	Veterinary Science
Dr. Pamela Trewatha	Horticulture
Dr. Beth Walker	Visiting Asst. Prof.
Dr. Weston Walker	Ag. Education
Dr. Gary Webb	Equine Science
Ms. Sue Webb	Equine Science
Mr. Jon Wiggins	Technology Education

Per Course Faculty

Ms. Kelly Bryson	Horticulture
Ms. Joyce Cutright	Ag. Communications
Mr. Tom DeWitt	Soil & Water Cons.
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
Mr. Lewis Miller	Events Management
Ms. Lori Padgett	Horticulture
Dr. Jason Salchow	Veterinary Science
Mr. Pete Smith	Statistics
Ms. Sheila Wear	Floral Arranging

Staff

Ms. Janice Moll	Administrative Secretary
Michelle Norgren	VESTA Grant Director

Graduate Students

Justin Drury, Sarah Harmon, Brandon Bruce, Kate Welker, Missy Ebeling, Jarred Meyer, John Melson, John Deutsch, Bryan Deimeke, Codi Burris, Kristy Marson.

Adjunct Faculty

Mr. Peter Gaul, Ms. Barbara Irwin, Dr. Ernest Keith, Ms. Diane Olson, Mr. Robert Phillips, Mr. Kevin van der Poel, Mr. Gary Townsend, Ms. Karen Zydenbos. Mr. Robert Phillips

State Fruit Experiment Station

Full-Time Faculty

Dr. Anson Elliott	Director
Dr. Martin Kaps	Pomology
Dr. Laszlo Kovacs	Biotechnology
Dr. Maceij Pzczolkowski	Integrated Pest Management
Dr. Wenping Qiu	Molecular Plant Virology
Dr. Karl Wilker	Enology

Professional Staff

John Avery	Field Superintendent
Patrick Byers	Fruit Grower Advisor
Marilyn Odneal	Horticulture Outreach Advisor

Staff

Jack Atchison	Field and Maintenance
Carrie Crews*	Pathways Grant Coordinator
Jeremy Emery	Field and Maintenance
Michael Lynch	Field and Maintenance
Pamela Mayer	Outreach/Publications Specialist

Michael Matthews*	Physical Plant Foreman
Bob Mosier*	Custodian

C. J. Odneal	Cellar Technician
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Randy Stout	Field and Maintenance
Suzanne Tegtmeyer*	Head Librarian

Pam Turner	Executive Assistant
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Joseph Wright, Jr.	Vehicle/Equipment Mechanic
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Scientists and Graduate Students

Shaista Lunden	Research Specialist
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Patrick Winterhagen	Visiting Scientist/Grapevine Bio.
Nath Choudhury	Grapevine Biotechnology

Nora Bammidi, Codi Burris, Qiang Chen, Cheri Kail, Li Nan, Raghu Ratakonda, Appala-Naidu Sasapu

*reports to other University departments

Department of Agriculture Statistics

Fall 2006

	Men	Women	Total	Undergraduate Majors
Freshmen	18	20	38	Agricultural Communications 15
Sophomores	36	30	66	Agricultural Education. 24
Juniors	44	52	96	Agricultural Business (Finance & Management) . . . 16
Seniors	90	65	155	Agricultural Business (Marketing & Sales) 26
Graduate Students	11	12	23	Agricultural Business (Enterprise Management) 9
	<hr style="width: 100%;"/>	<hr style="width: 100%;"/>	<hr style="width: 100%;"/>	Agronomy 19
TOTAL	199	179	378	Animal Science. 114
				General Agriculture. 29
				Horticulture 31
				Technology Education 5
				Wildlife Conservation 67

Agriculture Founders Club

(\$10,000 minimum donation)

- | | |
|--|--|
| <p>Margaret S. and Mervin C. Aude
 Laurence R. Buller
 Mrs. Grace Carr
 Robert and Tracy Caruth
 Central Dodge
 Ric L. and Melanie Cooper
 Larry and Marilyn Daniel
 Bill and Virginia Darr
 Day Cattle Company
 W. Anson and Betty Elliott
 Farmers Cooperative Livestock Marketing Association
 Greene County Farm Bureau
 Rick Gunlock
 R. Dwain and Donna Hammons
 Jack and Janice Harris
 Rita Harris
 Mr. and Mrs. Harold W. Harrison
 Cody W. and Marilyn Ice
 Cody W. Ice II
 International Association of Fairs & Expositions
 Dr. Harry R. and Marion James
 Lee J. Johnson
 Glenn E. and Ruth Z. Karls
 Randy and Johnelle Little</p> | <p>Carl and Dianna Lowe
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 Lewis and Patricia Miller
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 Kym and Michael Morse
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 Susan Sanders
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 Helen M. Steiner
 Charles and Patricia Stufflebeam
 John and Jane Sullivan
 Ron and Sue Carrol Terry
 Mr. and Mrs. James C. Tucker
 United States Tobacco Co. Scholarship Awards Program
 Julie Vestal-Gibbons
 Rosalie Wooten
 Dr. J. Kathleen Young
 Vaughn and Becky Zimmerman</p> |
|--|--|

2006 Scholarship and Awards Banquet Sponsors

- | | |
|--|---|
| <p>Citizens National Bank - Frank Hilton - 2002, 2006
 Bill and Virginia Darr - 2003, 2004, 2005, 2006
 Farm Credit Services -- 2005
 FCS Financial -- 2006
 Hammons Products Co. - Brian Hammons - 2002, 2006
 Joplin Stockyards - Jackie Moore - 2002
 John and Sally McAlear - 2005, 2006</p> | <p>MFA, Inc. Regional - 2002, 2003, 2004, 2005, 2006
 PFI Western Store - 2003, 2004, 2005, 2006
 Gus and Pat Rutledge -- 2005
 Southern Missouri Bank of Marshfield - 2003
 Springfield Area Chamber of Commerce -- 2005, 2006
 Tindle Mills - Bill Stuever - 2001
 Willow Brook Foods, Inc. -- 2006</p> |
|--|---|

25th year for Ag Review

by Allie Massa

This is the 25th year for the agricultural communications class to produce the *Ag Review*.

The class and the *Ag Review* have changed over time.

"We started off by cutting and pasting articles by hand," explained Joyce Cutright, agricultural communications instructor. "Now with desktop publishing it is much

easier. The publication process has been revolutionized."

The class size has also changed over the years. In the earlier years Cutright said there were often less than 10 students. In more recent years the class size has been mostly from 15 to 25 students.

"This year's class of 15 stu-

dents is the perfect size!" said Cutright.

"The *Ag Review* gets better every year because of the foundation laid down by all the previous classes," reflected Cutright. "We just continue to build on what we learn from each year's issue."

Fraternity Finds Unique Way to Help Community

by Emily Tubaugh

For many the January 2007 southwest Missouri ice storm was an opportunity to lend a helping hand. One Missouri State University fraternity took on a very special project. Members of Alpha Gamma Sigma fraternity helped clean the Kelley Cemetery, Ash Grove, Mo.

The oldest marker in the historical cemetery dates back to 1816 and there are still burials at the cemetery, averaging about one every two to three years.

Ten men from the fraternity went as a group and picked up ice-storm debris. The group armed with chain saws cut and stacked limbs for firewood. Even through hard rain the fraternity continued to work.

At the end of the day, the men from Alpha Gamma Sigma carved their initials with a chain saw into a slab of walnut.

"I am sure they will remember the work day outing as we will always remember their hard work," said Evelyn Johnson, secretary of the Kelley Cemetery Association.



Pictured at the Kelly Cemetery are (Front Row L to R) Ron Keith, alumnus; Jarrod Battson, freshman wildlife conservation major from Slater, Mo.; Ryan Stackhouse, junior animal science major from Paris, Mo.; Jonathan Atwell, senior finance major from Miller, Mo.; and Mike Mernick, freshman wildlife conservation major from Belleville, Ill.; (Back Row L to R) Kent Henderson, senior animal science major from Stoutland, Mo.; Jeff Barnhouse, senior criminal justice major from Bridgeton, Mo.; Brett Boschert, junior accounting major from St. Charles, Mo.; Jake Wilhoit, sophomore animal science major from Lone Jack, Mo.; and Ryan Freeman, sophomore accounting major from DeSoto, Mo.



The Kelley Cemetery in Ash Grove, Mo.

Agricultural Industry Study Offers Valuable Experiences

by Allie Massa

It's long hours and hard work but the opportunity for students to explore the agricultural industry first-hand makes the Missouri State University Agriculture Industry Study a valuable experience.

Twenty six students; Dr. Bruce Johnson, professor of agricultural business; and Dr. Arbindra Rimal, associate professor of agricultural business, participated in the five-day study.

The Study started with a visit to American Dehydrated Foods, Springfield, Mo., and from there the group traveled to Kansas City to visit DeLaval, Blue-Scope Steel, LMA-Livestock Marketing Association, Osborn & Barr Communications, Agri-Associates, Kansas City Board of Trade, MachineryLink, Dairy Farmers of America and the Federal Reserve Bank. The last day the group traveled to Columbia, Mo., to visit MFA, Inc., and to Jefferson City, Mo., to visit Mis-

souri Farm Bureau headquarters.

During the Study students visited businesses from 8 a.m. to 5 p.m. and in the evening took a two to three hour break before discussing each business firm and making assigned presentations. Students worked in teams. Each team was responsible for developing questions appropriate for the next day's visit. During the visit the team would gather information for their follow-up presentation to be given later in the evening.

"Within this presentation we were told exactly where that business fit into the agricultural industry sector," said Study participant Julie King, senior animal science major from Forsyth, Mo.

Students who participated in the Agricultural Industry Study were graded on evening presentations, questions asked during each visit and follow-up reports.



Ag Industry Study Participants: (Front Row L to R) Amanda Buttram, junior animal science major from Conway, Mo.; Darin McCall, junior agricultural business major from Sikeston, Mo.; (2nd Row L to R) Ashley Staiger, senior agricultural business major from Billings, Mo.; Megan Eaves, junior agricultural communications major from El Dorado Springs, Mo.; Tory Teasley, junior agricultural business major from Springfield Mo.; Julie King, junior animal science major from Springfield Mo.; Cynthia Spratt, senior agricultural communications major from Houston, Mo.; Erin McCorkill, junior agricultural business major from Greenfield, Mo.; Ashley Gillig, junior agricultural business major from Aurora, Mo.; Angela Keener, junior agricultural business major from Harrison, Ark.; Rachel Jungermann, sophomore agricultural business major from Moscow Mills, Mo.; (3rd Row L to R) Dr. Arbindra Rimal, agricultural economics associate professor; Jamie Rainwater, junior agricultural business major from Buffalo, Mo.; Jordan Haymes, sophomore agricultural communications major from Mt. Vernon, Mo.; Daberath McGinnis, senior agricultural business major from Bolivar, Mo.; Larin Calvin, senior animal science major from Springfield, Mo.; Phillip Irwin, senior agricultural business major from Bois D'Arc, Mo.; Brittany Gillig, junior agricultural business major from Aurora, Mo.; Brant Harvey, junior agricultural business major from Lamar, Mo.; Laura Stratton, junior agricultural business major from Lebanon, Mo.; (4th Row L to R) Dr. Bruce Johnson, agricultural economics professor; Adam Huser, junior general agriculture major from Lockwood, Mo.; Jarrod Yarger, senior animal science major from Sparta, Mo.; Joshua Bird, senior agricultural business major from Rogersville, Mo.; Richard Rose, senior agricultural business major from Long Lane, Mo.; Jeff Gall, junior agricultural business major from Bois D' Arc Mo.; Robert Stratton, junior animal science major from Lebanon, Mo.

Club Corner

AG PRESIDENTS' COUNCIL

Advisor Dr. Anson Elliott
 President Marc Allison

Activities: Annual Fall Ag Picnic, coordination of all club activities.

AGRONOMY

Advisors Dr. Ben Fuqua
 Tom DeWitt
 President D. J. Bowman
 Vice Pres Doug Gisselbeck
 Sec./Treas. Jordan Richner

Activities: trash pick-up/Adopt-a-Highway program; toured local seed distribution facilities; mulched blueberry plants at the Darr Center; hosted the High School Southwest District FFA Soils Contest; sponsored Missouri State University Collegiate Soil Judging Team.

ALPHA GAMMA RHO

Advisor Dr. Anson Elliott
 Noble Ruler Matt Ernst
 VNR Planning Matt Eggerman
 VNR Activities Ryan Stockton
 Co- VNR Recruitment Wes Davis
 Brian Arbogast
 VNR Scholarship Chris Rapp
 VRN Finance Jeff Fox
 VNR House Mgmt Matt Wommack
 VNR Membership
 Development Kevin Lockard
 VNR Alumni Relations Landon Snook

Activities: AGR/Sigma Alpha Bowling Tourney; Pink Rose Formal; Family Day; Brotherhood Weekend; intramural softball, football, basketball; Ball Blast; Homecoming.

ALPHA GAMMA SIGMA

Advisor Dr. Jon Wiggins
 President Ryan Stackhouse
 Vice Pres Jake Wilhoit
 Secretary Jonathan Atwell
 Treasurer Brett Boschert
 Warden Brandon Wirsig
 Rush Chair Mike Mernick

Activities: Homecoming; Greek Week; float trip; philanthropy; Red Rose Formal; Greek Church; Relay for Life; social exchanges; Parents' Weekend; Gathering of the Herd.

BLOCK & BRIDLE

Advisor Tommy Perkins
 President Lacey Lee
 Vice-President Jamie Bellis
 Sec./Treas. Jeri Lynn Fowler
 Reporter Ali Underwood

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

COLLEGIATE FARM BUREAU

Advisors Dr. Anson Elliott
 Dr. Bruce Johnson
 President Marc Allison
 Vice Pres. Tera Dover
 Secretary Megan Eaves
 Treasurer Erin McCorkill
 Public Relations Hollie Elliott

Activities: Salute to Agriculture Football Game; Missouri Farm Bureau Annual Meeting; Jefferson City Legislative Tour; Washington Legislative Tour; Annual Missouri State University

COLLEGIATE FFA

Advisor Dr. Jim Hutter
 President Brittany Gillig
 VP Brant Harvey
 Secretary Erin McCorkill
 Treasurer Ashley Gillig
 Reporter Katy Scott

Activities: Food for America, Adopt-A-Highway, National FFA Convention Parliamentary Procedure Contest and Recruitment Booth, State FFA Convention Recruitment Booth, District FFA Contest, Palace Movie Night.



DELTA TAU ALPHA

Advisors Dr. Bruce Johnson
 Dr. Clydette Alsup
 President Julie King
 Vice Pres. Lindsey Spalding
 Secretary Jarrett Whistance
 Treasurer Hollie Elliott

Activities: Ag Quiz Bowl; May Day; National DTA Convention; Fall Social, New Student Mixer; Salute to Agriculture football game; monthly meetings.

EQUESTRIAN TEAM

Coaches Dr. Gary Webb
 Ms. Sue Webb



MEMBERS

Front Row: Shelly Dey, Lauren Harster, Lisl Hufford, Melissa Schmalhorst, Beth Morrison, Asst. Hunt Seat Coach: Sarah Harmon
 2nd Row: Abby Lane, Jenny Reed (alumni), Crystal Sampson, Kelsey Ragsdale, Torea Bova
 3rd Row: Meghan Engleson, BriAnna Barker, Chad Arnone, Codi Burris (alumnus), Danan Bradley, Missy Ebeling (alumnus), Coach: Sue Webb
 Back Row: Lacey Seiffertt, Ryan Schneidermeyer, Coach: Dr. Gary Webb

HORSEMAN'S ASSOCIATION

Advisors Dr. Gary Webb
 Ms. Sue Webb
 President Crystal Sampson
 Vice Pres. Lisl Hufford
 Secretary BriAnna Barker
 Treasurer Abby Lane
 Historians: Jenny Ford
 Kayleigh Kisner

Activities: Homecoming, Salute to Agriculture, May Day, American Collegiate Horseman's Association convention; the club's service activities include FFA District Judging Contest; Therapeutic Riding of the Ozarks; Trash cleanup on Grand from Campbell to Jefferson; providing judges and show management assistance for local horse and mule shows; Hosting three IHSA qualifying shows and Regional Championship show; sponsoring the Missouri State Equestrian and Horse Judging teams; and farm and arena clean-up activities.

HORTICULTURE

Advisors Dr. Clydette Alsup
Dr. Pam Trewatha
President Tom Lampe
Secretary Shiloh Van Nostrand
Treasurer Janelle Melton
Web Site Anitra Lewis
PR Jessica Roller

Activities: Earth Day & May Day activities;
plant sales; Downtown Planting Project



PRE-VET CLUB

Advisor Dennis Schmitt
President Deborah Knight
Vice President Alicia Vandever
Secretary Alexandria Bernard
Treasurer Julie King
Public Relations John Melson

Activities: Attend Pre-Veterinary Medicine Association's Annual Symposium; monthly meetings; booth at New Student Convocation and Biology Department Open House; attend MU Open House; volunteer at Spooktacular; ice skating Christmas party; horse show concession stand; behind the scenes tours at various zoos.

RODEO CLUB

Advisor Tommy Perkins
President Brad Harter

Activities: Team competition in 10 NIRA-sanctioned college rodeos during the academic year; various fund-raisers.

SIGMA ALPHA

Advisor: Janice Moll
President: Lindsey Spalding
1st Vice Pres: Laura Petty
2nd Vice Pres: Heather Raines
Secretary: Julie King
Treasurer: Kyla Hubbard
Rush Chairman: Erica Dean
Alumni Chair: Jeri Lynn Fowler
Historian: Tressa Keehner
Sisterhood/
Fellowship: Kyla Hubbard,
Ashley Gillig

Activities: Recruitment Week; national convention; regional convention; year-end banquet; concession stand at Block & Bridle Jackpot Show; ringing bells for Salvation Army at Christmas; Mud Volleyball; Relay for Life; progressive dinner; Women in Agriculture panel.

SOIL JUDGING TEAM

Advisor Mr. Tom DeWitt

TRAP & SKEET CLUB

Advisor: Dr. Jon Wiggins
President: Dan Forget
Vice Pres: Doug Kyle
Secretary: Tyler Koger
Treasurer: Craig Vera

Activities: Placed 13th out of 47 schools in high overall scores at ACU-I National Intercollegiate Clay Target Tournament sponsored by the Association of Campus Unions International in San Antonio, Texas, April 20-24; Annual "Bear Invitational Shoot" in March at Branson, Mo.; two intercollegiate competitions each semester; community service participation and support of Agriculture Department activities.

WILDLIFE SOCIETY

Advisor Dr. Lyndon Irwin
President Ted Alfermann

Activities: Missouri Natural Resources Conference/Job Fair at Tan-Tar-A; meeting with MDC representatives; Level 1 fire training lab; trail work at Bois D'Arc Conservation Area; meeting with SCA (Student Conservation Association) representatives; Wildlife Society Workshop at Bull Shoals Field Station; Riddles Elephant Sanctuary Tour; trash pick up on adopted road (Mayfair); floating/fishing trip on James River; May Day, picnic at Phelps's Grove Park.

**FFA Southwest District Contest results
may be accessed at
ag.missouristate.edu**



Chase Davis, senior wildlife conservation major from Seymour, Mo., was involved in the elderberry development program at the State Fruit Experiment Station in Mountain Grove.

Two Athletes are at Home in Karls Hall

by Emily Tubaugh

Two athletes at Missouri State University are often found in Karls Hall. Football player Bryan Byrd, and track and field athlete Jamie Vest are agriculture majors.

Byrd is a wildlife conservation and management major, and is the son of Herman and Wanda Byrd, West Plains, Mo.

Byrd has played football at the university for the past five years. He red shirted his freshman year and lettered the last four years. The last two years he was a starter on the offensive line playing guard. Byrd will graduate in May.

Besides playing football, Byrd said he is an avid outdoorsman who enjoys hunting, fishing, canoeing, camping and scuba diving.

"I attribute my love for the outdoors to growing up in West Plains where there was close access to some of the state's most pristine rivers and lakes," said Byrd.

Vest is on the women's cross country track and field team. She is a sophomore animal science major and the daughter of John and Donna Vest, Lebanon, Mo. Vest is a graduate of Stoutland High School, Stoutland, Mo.

On the track team Vest participates in the 3000m and 5000m steeplechase events and the cross country 5000m and 6000m race. Recently, Vest won the 3000m steeplechase at the Missouri Relay meet.

"I do not have much spare time, but I enjoy helping my parents with the farm," said Vest. "I run a lot and I hang out with my teammates."



Jamie Vest

Dr. Johnson Celebrates Approaches Three Decades at Missouri State University

by Whitney Holliday



Dr. Bruce Johnson, professor of agricultural business, has been teaching at Missouri State University for almost three decades.

"It will be 30 years in December," said Johnson.

Johnson has a master's in agricultural economics from Iowa State and a Ph.D. from University of Missouri, Columbia, Mo. He taught at Louisiana State University, Baton Rouge, La., for seven years before joining the faculty at Missouri State University.

Johnson teaches a variety of agricultural economic classes, with agricultural finance class being one of his top favorites.

"I have always had an interest in finance," said Johnson. "And, land resource economics is a very interesting class to teach."

Johnson is a sports enthusiast. He is the Missouri State University faculty athletics representative. This includes representing Missouri State University at all conference and National Collegiate Athletic Association games and he is the chair of the intercollegiate athletic committee. Johnson served on the baseball academic improvement group committee and is an active cabinet member of the NCAA.

"My son was a star football player, so I enjoy watching college football but now spend more time watching basketball, men's and women's," said Johnson.

Sports highlights he remembers are "the womens basketball team in the Final Four with Jackie Stiles and the 2003 baseball team in the College World Series."

Johnson has served as an advisor of the agricultural honor society Delta Tau Alpha and the National Honor Society. He also served as president of the North American Colleges and Teachers of Agriculture organization.

There have been many changes happen on campus while Johnson has been teaching. He shared his excitement for the new JQH Arena and the expansion of more recreational opportunities for students.

"In 1998 the new Karls Hall wing opened," said Johnson. "It is interesting to see the growth of the agricultural program."

Allison Named Outstanding Senior

by Kara Breshears

During the November Agriculture Department Scholarship Banquet Marc Allison, senior agricultural business major from Greenfield, Mo., was presented with the Glenn E. Karls Senior Excellence in Agriculture Award.

Allison has served as Alpha Gamma Rho Social Fraternity noble ruler; Collegiate Farm Bureau president, treasurer, and public relations coordinator; Collegiate FFA president and vice president; and is a Delta Tau Alpha agricultural honor fraternity member.

"Agriculture has always been a huge part of my life," said Allison. "Growing up on a farm, I knew my future would be in agriculture."

"Coming from a small town, the ag department has a welcoming feeling to it," said Allison.

It was that welcoming feeling and the influence from his 10 or so alumni family members that brought Allison to Missouri State University.

Allison said that times spent with Dr. Anson Elliott, Agriculture Department head, were among his many favorite memories.

"Outside of my family, Dr. Elliott has had the biggest influence on my life," said Allison. "I have met very few people who are as well respected and well liked as Dr. Elliott. I have learned so much, not only about agriculture but about life from him. I hope one day that I can have the impact on the lives of so many people the way he has with me..."

Allison said he remembers and values Elliott's advice to become active on campus in order to meet new people who share a common interest but maybe a different background, to learn a sense of responsibility and time management, and to develop relationships and networks that will serve you the rest of your life.



Marc Allison, senior agricultural business major from Greenfield, receiving the Outstanding Senior Award from Dr. Anson Elliott, Agriculture Department head.

FFA Media Room Provides Hands-On Experience for Students

by Thomas Nowacki

Before the Missouri FFA Convention, Columbia, Mo., most FFA media room participants had very little knowledge about what was in store.

While in Columbia, Joyce Cutright, Missouri State University agricultural communications instructor, guided recruits through the maze of media room operations where staff wrote over 400 press releases and photo captions.

Preparation started in advance for the two-day event with Cutright's Missouri State University students writing over 30 of the press releases as a class project.

"Writing some of the news releases prior to convention gives the students an idea of what to expect at convention and also gives us a jump start on production," said Cutright. "The media room is

a hectic environment where students learn a lot in a short period of time."

For the eight Missouri State University students it was a four-day event with work starting the day prior to convention and continuing a day after. Other media room participants included University of Missouri-Columbia representatives and FFA members.

"I did not realize how much work and preparation goes into a press release or news article," Said Deborah Knight, senior animal science major from Marshfield. "This experience has made me appreciate being able to simply pick up a paper and read it."

The convention was held April 19-20 with the media staff on site April 18-21.

Missouri State University stu-

dents who participated in the FFA media room were Kara Breshears, senior agricultural communications major from Republic, Mo.; Megan Eaves, junior agricultural communications major from El Dorado Springs, Mo.; Deborah Knight, senior animal science major from Marshfield, Mo.; Thomas Nowacki, senior agricultural business major from Illinois; Andrew Ormiston, senior agricultural communications major from Sparta, Mo.; Emily Tubaugh, freshman agricultural communications major from Carthage, Mo.; Jarrett Whistance, senior agricultural business major from Halfway, Mo.; and Danielle Woehrman, freshman animal science major from Camden Point, Mo.

Alumni Update

1948

Smith, Ben

Children: Ben, 1945; Robert 1950; Paul 1951
Address: 4738 Littlebury Drive; St. Louis, MO 63128
Major: Animal Husbandry
Occupation: Retired-Ralston Purina; Consultant Farm & Ranch Management

1952

Gonzalez, Enrique Spouse: Sussy
Address: 28 Water Lily Way; California
Major: Agriculture
Occupation: Retired

1961

Youngberg, Lyle Spouse: Charlotte
Children: Lynn, 1961; Lori, 1965; Rachal, 1970; Kory, 1977
Address: Box 147, Verona, MO 65769
Major: Agriculture
Occupation: Owner-Operator: Youngberg Ranch Supply

1964

Sturdevant, Gary
Children: Christina 40, Marti 38
Address: 15261 Highway A; Phillipsburg, MO 65722
Major: General Agriculture
Occupation: Retired MoDNR soil scientist and farmer

1967

Johnson, Robert Spouse: Karen Morse
Children: Karo, 1970; Russ, 1974; Gina, 1976; Mary Anne, 1978
Address: 569 State Hwy. DD; Marshfield, MO 65706
Occupation: Loan Analyst-Southern Missouri Bank of Marshfield. Retired-USDA Farm Service Agency

1974

Bruff, Gregg
Children: Leslie 1986, Keelin 1984, Meredith 1981
Address: E10020 Miller Road, Munising, MI 49862
Occupation: Wildlife Conservation and Management

1976

Cameron, Jeffrey Spouse: Melanie
Children: Jenny, 1980; Susan, 1981; David, 1982
Address: 3023 Summercrest; Pearland, TX 77584
Major: Animal Science
Occupation: Division Manager-Sulzer Pump Systems

1979

Chapin, Roy Spouse: Patricia
Children: Cathy, 1984; Beth, 1989
Address: 5752 Co. Rd. 9720; West Plains, MO 65775
Major: Agronomy
Occupation: Full-time farming with dairy/beef operation

Elliott, Gary

Children: Braden 20, Dalton 17
Address: 429 S. Pike Ave.; Bolivar, MO 65613
Major: Agriculture Business
Occupation: "Head Janitor" (self employed as "the Digital Janitor")

Walters, Paul Spouse: Cheri

Children: Hannah age 22, Jena age 20, Ali age 10
Address: 111 E. US Highway 160; Greenfield, MO 65661
Major: General Agriculture
Occupation: Owner-Double Diamond Farms

1980

Lawson, John Spouse: Melissa
Children: Kerrie, 1990; Kelsey, 1992; Matthew, 1996
Address: 1163 Bent Creek Dr.; Benton, KY 42025
Major: Wildlife Conservation
Occupation: Trait & Seed Representative-Monsanto Company

1982

Austin, Jerry Spouse: Shelia
Children: Ken, 1989; Serena, 1991; Kyle 1993
Address: 810 Tomahawk Ct.; Marshfield, MO 65706
Major: Wildlife Conservation
Occupation: Conservation Agent-Missouri Department of Conservation

1983

Bodenhausen, Lee
Children: Marissa 10
Address: 1071 Hummingbird Ct.; Colorado Springs, CO 80921
Major: Agri-business
Occupation: Commander, 561st Communications Squadron, Peterson AFB, CO

1984

White, Don Jr. Spouse: Nancy
Children: Don III, age 11; Kailley, age 3
Address: 112 Country Court; Monticello, AR 71655
Major: Wildlife Conservation
Occupation: Associate Professor of Wildlife Ecology-University of Arkansas

1985

Allen, Kevin
Children: Caylene 19, Shannon 13, Bridgette 11
Address: 008 C Agricultural Hall; Stillwater, OK 74078-6013
Major: Wildlife Conservation
Occupation: Asst. Professor in the Dept. of Natural Resource Ecology and Management at Oklahoma State University

Bennett (Shilling), Dana Spouse: Emmet

Children: Christina, 1991; Valerie, 1994; Julie Ann, 1999
Address: 15511 Macoupin Lane; Medora, IL 62063
Major: Agricultural Business
Occupation: Substitute school teacher (K-12)

Brown (Roberts), Margaret Spouse: Robert

Address: 4373 S. 26th Road; Fair Play, MO 65649
Major: Animal Science
Occupation: Owner/Manager-Saddle & Spur Tack Store

1987

Foster, Robert Spouse: Karen
Children: Sarah, 1990; Abby, 2002
Address: 5006 SW Screech Owl St.; Bentonville, AR 72712
Major: Agricultural Business
Occupation: Divisional Planner-Global Procurement Division of Walmart

1988

Bertz, Greg Spouse: Kim (Beekly)
Children: Jillian, age 10; Abby, age 7; Allison, age 7
Address: 12113 Prairie Valley Rd.; Mayview, MO 64071
Major: Agricultural Business
Occupation: Farming-custom planting/hay, seed sales

Mays, Shannon

Children: Lauren 14, Landon 8
Address: 1301 S. 32 Hwy., El Dorado Springs, MO 64744
Major: Agriculture Communications
Occupation: Broker/Owner/Auctioneer

1989

Ramori, Jeffrey Spouse: Mara
Children: Kristen, 1996; Dalton, 1999
Address: 215 Hwy. AA; Steelville, MO 65565
Major: Agricultural Business
Occupation: VP and Compliance Officer-First Community National Bank (Steelville, Cuba, Sullivan, Rolla, Vienna and Eureka, MO)

1990

Bertz (Beekly), Kim Spouse: Greg
Children: Jillian, age 10; Abby, age 7; Allison, age 7
Address: 12113 Prairie Valley Rd.; Mayview, MO 64071
Major: Agricultural Economics
Occupation: Marketing & Communication Manager/North America-DeLaval, Inc.

1991

Hultgren, Mark Spouse: Dana
Children: Ally, 1996; Chase, 2000; Blake, 2002
Address: P.O. Box 483; Willard, MO 65781
Major: Agricultural Business
Occupation: County Executive Director-USDA

McDaniel, Keith Spouse: Michele

Children: Chase, 1998; Trey, 2002
Address: 6096 South Farm Road 249; Rogersville, MO 65742
Major: Agricultural Business
Occupation: Manager-Greater Ozarks MFA Ash Grove

Miller, Clint

Children: Bailey, 1997; Clinton, 1999
Address: 395 Oliver Lane; Cabot, AR 72023
Major: Animal Science
Occupation: Captain-Army National Guard Comptroller Division

1992

Kruse, Kyle Spouse: Dena
Children: Hannah, age 9; Brady, age 7
Address: 1310 Baltimore Lane; New Haven, MO 63068
Major: Agricultural Education
Occupation: Superintendent-New Haven Schools

1993

Brummett, Richard
Address: PO Box 91; Arcadia, MO 63621
Major: Agricultural Education
Occupation: Outside Sales Representative-Crown Equipment Company, LLC

Dunn, Craig Spouse: Tricia
Children: Connor, 2002; Caden, 2004
Address: 9693 W. Farm Road 156; Republic, MO 65738
Major: Agricultural Economics
Occupation: Senior Vice President-Citizens National Bank

Melton, Beth
Children: Cole 6, Claire 1
Address: 11325 West Farm Road 34; Walnut Grove, MO 65770
Occupation: Animal Science, Medical Technologist III (Lab Supervisor)

Standley, Shawn Spouse: Jolene
Children: Lakin, 2001; Kinder, 2005
Address: 123 NE 100th Rd.; Sheldon, MO 64784
Major: Agricultural Economics
Occupation: Vice President-Standley Milling and Grain/Beef Producer

Thomason (Ayers) Tina Spouse: Billy
Children: Shelby, 2006
Address: 6935 St. Hwy. FF; Marshfield, MO 65706
Major: Animal Science
Occupation: Office Manager-Marshfield Veterinary Clinic

Viebrock, Johnny Spouse: Angela
Address: 403 Liberty Road; Smithville, MO 64089
Major: Masters of Natural and Applied Science
Occupation: Agricultural Science Instructor and FFA Advisor

Wright, Heath Spouse: Abigail
Children: Dylon, 1995; Haze, 2002; Cooper, 2004
Address: 365 Jackson Spring Road; Ozark, MO 65721
Major: Agricultural Business/Agricultural Education
Occupation: Agriculture Teacher-Ozark High School

1994
Billingsley, Stephanie Spouse: Anthony
Children: Loan, 1995; Lauren, 1999
Address: 24 Logan Lane; Steelville, MO 65565
Major: Wildlife Conservation
Occupation: Teacher-6th grade science at Steelville Middle School

Dalton, Jennifer
Address: 1032 W. Ward Parkway; Springfield, MO 65810
Major: Agricultural Business – Finance
Occupation: Vice President, Administration-Springfield Area Chamber of Commerce

Geisert, Sean Spouse: Jodi
Children: Jacob, age 9; Joseph, age 4; Cora, age 2
Address: 4944 S. Point Road; Washington, MO 63090
Major: General Agriculture
Occupation: Farmer-raising corn, wheat, soybeans, hay, hogs and pumpkin

Loeb, Leah
Address: 2543 Tamarack Est; Union, MO 63084
Major: Ag Business
Occupation: Manager of Application Services for Enterprise Rent-A-Car

1995
Dahmer, Shane
Children: Kyle 2
Address: Route 2 Box 380; Sheldon, MO 64784
Major: Agriculture Business
Occupation: Sales Department, Farm Machinery
Farley, Jody Spouse: Lesley
Address: 134 Fink Lane; Clever, MO 65631
Major: Agricultural Business
Occupation: Owner-Farley Pool and Spa

Grate, William
Address: 16501 County Rd. 2410; St. James, MO 65559
Major: Agricultural Business
Occupation: Quality Assurance Manager, Organics (Spectrum Brands, St. Louis, MO)

Grussing, Connie
Children: Emily 5, Jerred 3
Address: P.O. Box 177; Bellflower, IL 61724
Major: Animal Science
Occupation: Senior Administrative Assistant, ProPartners Financial, Bloomington IL

1996
Albright, Mark
Children: Tyson 25, Shannon 21, Chris 18
Address: 16330 Farmers City Rd.; Hughesville, MO 65334
Major: Horticulture
Occupation: Horticulture Instructor, State Fair Community College

Carlin, Wade
Address: 5024 21st Ave SW Apt 205; Fargo, ND 58103
Major: Animal Science
Occupation: Account Manager for Midwest Supply & Distributing, Saint Cloud, Minnesota

Carter (Rotert), Kimberly Spouse: Wesley
Children: Bailey, 2005
Address: 1460 SW 520; Montrose, MO 64770
Major: Agricultural Business
Occupation: Client Relations Specialist-First Community Bank, Clinton, MO

Cloud, Chris Spouse: Michelle
Children: Kara, 1999; Kaitlyn, 2002; Kallie, 2006
Address: 1220 Piper Drive; Carthage, MO 64836
Major: Agricultural Education
Occupation: Vo-Ag Instructor/FFA Advisor-Carthage Tech. Center

McIntyre, Dexter
Address: 1910 E. 520th Rd.; Bolivar, MO 65613
Major: Agricultural Business
Occupation: Career Agent-Missouri Farm Bureau Insurance Services

Stuber, William "Ted" Spouse: Charity
Children: Ashton, 2003; Ross, 2006
Address: 2533 State Hwy. FF; Niangua, MO 65713
Major: Animal Science
Occupation: Owner/Operator-Stuber Dairy Farm

1997
Bassham, Brad
Children: Karley 10, Duncan 6
Address: 1515 Stony Brook Trail; Sainte Genevieve, MO 63670

Major: Agronomy
Occupation: Client Account Manager, Thomson Elite

Burton, Scott
Address: 24026 Lawrence 2152; Marionville, MO 65705
Major: Wildlife Conservation
Occupation: Agricultural/Commercial Business Development Officer-UMB Bank Monett MO

Cremens, Nicole
Address: 138 Milbrage Dr.; Jupiter, FL 33458
Major: Animal Science
Occupation: Environmentalist II (compliance in vegetation for preserves and littorals; nesting research on sea turtles)-Palm Beach County
Kauffman, Vincent III Spouse: Jessica
Children: Rhett, 2005
Address: 405 Perrine Road; Farmington, MO 63640
Major: Animal Science
Occupation: Livestock Specialist-MFA, Inc.

Lathrom, Tracy
Address: 5000 Fawn Ct.; Lincoln, NE 68516
Major: Animal Science
Occupation: Mammographer at Bryan LGH in Lincoln, Nebraska

Turner, Julie
Address: 294 State Road H; Elkland, MO 65644
Major: Agricultural Communications
Occupation: Assistant Editor/Farm Editor-The Lebanon Daily Record

Ward, Jeffrey
Address: 758 S. Mission Ave.; Springfield, MO 65809
Major: Ag. Business
Occupation: Business Development Director for DaBryan Coach Builders

1998
Carter, Wesley Spouse: Kimberly (Rotert)
Children: Bailey, 2005
Address: 1460 SW 520; Montrose, MO 64770
Major: Agricultural Business
Occupation: Asst. Manager-Herrman Lumber, Clinton, MO

Gann, Angie
Address: 154 Niangua Road; Elkland, MO 65644
Major: Animal Science
Occupation: Manager-MFA Farm & Home, Fair Grove

Wahlers, Kris
Child: Dylan, age 3
Address: PO Box 84; Oak Creek, CO 80467
Major: Wildlife Conservation
Occupation: Senior Ranger-Stagecoach State Park

Harris (Hubner), Jody Spouse: Nathan
Children: Natalie, 2005
Address: 18758 Duncan Road; Fayetteville, AR 72701
Major: Agricultural Communications
Occupation: Account Supervisor-Noble NWA

Veale, Bradley Spouse: Sierra
Address: 114 E. Franklin; Henderson, IL 61439
Major: Agricultural Business

Occupation: Regional Sales Manager-Burrus Seed Farms, Inc.

Wright (Beggerly), Abigail Spouse: Heath
Children: Haze, 2002; Cooper, 2004
Address: 365 Jackson; Ozark, MO 65721
Major: Agricultural Communications
Occupation: Communication Arts teacher-Sparta Middle School

1999

Bauer, Mace Spouse: Susan
Address: 225 SW Stafford Ct.; Lake City, FL 32024
Major: Agronomy
Occupation: Best Management Practices Implementation Coordinator, Vegetable and Agronomic Crops-University of Florida

Hardy, Jonathan

Address: 8685 Rio San Diego Dr. Apt. 4146; San Diego, CA 92108
Major: Wildlife Conservation/Management
Occupation: District Representative for California State Senator Denise Moreno Ducheny

Jones Charles Spouse: Kim
Address: 311 E Washington; Ash Grove, MO 65604
Major: Agricultural Business
Occupation: County Executive Director-Cedar County USDA Farm Service Agency

2000

Etherton (Polk), Tracy Spouse: Gary
Address: 5424 S. 192nd; Pleasant Hope, MO 65725

Ferguson, Clarence

Children: Kayden age 6 months
Children: PO Box 240; Hamshire, TX 77622
Major: Master of Natural and Applied Sciences
Occupation: Assistant Professor Agriculture

Henne, William

Address: 3459 S. Kansas Ave.; Springfield, MO 65807
Major: Horticulture
Occupation: Job Manager & Design Landscape Irrigation-Wickman Gardens

2001

Adler, Stan
Address: 525 S. 125 Rd.; El Dorado Springs, MO 64744
Major: Agricultural Education
Occupation: Ag Teacher

Barr, Jared

Address: 1610 Lakeview West Plains, MO 65775
Major: Ag. Business
Occupation: Farm Manager, 5G Farms

Bax, Stacia

Children: Samantha, age 2; Jace, age 3 months
Address: 40 Sunset Hills Trail; Bonnots Mill, MO 65016
Major: Wildlife Conservation
Occupation: Nonpoint source grant coordinator/project manager

Broos (Oxley), Dawn Spouse: Andy
Children: Megan, 2004; Elijah, 2006
Address: 5967 Ellis Road; Mountain Grove, MO 65711

Major: Agricultural Business
Occupation: Loan Processor-Town & Country Bank, Mountain Grove

Ferguson (Fowler), JaNell Spouse: Brad
Children: Clayton, age 2
Address: Rt. 2 Box 157; Adrian, MO 64720
Major: Agricultural Business
Occupation: Farm wife and stay at home mom

Ferguson, Brad Spouse: JaNell (Fowler)
Children: Clayton, age 2
Address: Rt. 2 Box 157; Adrian, MO 64720
Major: Agricultural Business
Occupation: Farmer

Hodge (Perkins), Stacey Spouse: Travis
Children: Lauren, 2005
Address: 36 Struemp School Rd.; St. Elizabeth, MO 65075
Major: Agricultural Business

McWilliams, James
Address: 2971 S Farm Road 51; Republic, MO 65738
Major: Animal Science
Occupation: Manager-4 G's Ranch

O'Farrell, Sean Spouse: Katrina
Children: Alexis, 2004; Kaylee, 2006
Address: Route 5 Box 298; Butler, MO 64730
Major: Agricultural Business
Occupation: Ag Service

Rotty, Sarah

Address: 2786 Granda Dr.; St. Louis, MO 63125
Major: Animal Science
Occupation: Elephant Keeper-St. Louis Zoo

Viehland, Angie

Address: 2985 North Service Rd West; St Clair, MO 63077
Major: Animal Science
Occupation: Production Supervisor-Virbac Animal Health

Ward (Koger), Tanya Spouse: Earl
Address: 22365 Hollow Road; Purdin, MO 64674
Major: Animal Science
Occupation: Director/Quality Assurance; Premium Standard Farms

2003

Dean (Faller), Shannon Spouse: Tim
6515 Cherokee Lane; Cedar Hill, MO 63016
Major: MNAS Agriculture
Occupation: District Technician-Jefferson County Soil and Water Conservation District

Dykes, Chuck

Address: 2675 Bradford Dr.; Melbourne, FL 32904
Major: Horticulture
Occupation: Utility Arborist-Florida Power and Light

O'Farrell, Katrina Spouse: Sean
Children: Alexis, 2004, Kaylee, 2006
Address: Route 5 Box 298; Butler, MO 64730
Major: Agronomy
Occupation: Soil Conservationist-Natural Resources Conservation Service

Pace, Lisa

Address: 1919 W. 39th, Apt. C12; Kearney, NE 68845
Major: Agricultural Communications
Major: Grain Merchandiser-DeBruce Grain

Wildeisen, Stacy

Children: Will, age 10 months
Address: 2331 W. Woodbury; Springfield, MO 65807
Major: Agricultural Business
Occupation: Payroll Specialist-Burrell Behavioral Health

Witt, Brandon Spouse: Rebecca
Children: Garrett, 2005
Address: 3699 Longar Road; Montreal, MO 65591
Major: Agricultural Business
Occupation: Loan Review Officer-First National Bank, Camdenton, MO

2004

Eggerman, Chris
Address: 7581 Camry Lane; Memphis, TN 38119
Major: Agricultural Business
Occupation: Commodity Market Analyst-Infoma Economics, Inc.

Hurley, Jason

Address: 2363 Chapel Ridge Place 25E; Salina, KS 67401
Major: General Agriculture
Occupation: Natural Resource Specialist-US Army Corps of Engineers

2005

Crouse, Amanda
Address: 1017 N. Lynn; Nevada, MO 64772
Major: Agriculture Education
Occupation: Middle school science teacher

Ehlers, Serena

Address: 6814 Antioch Rd #171; Merriam, KS 66204
Major: Food Plant Management
Occupation: Sales Consultant-Cargill Animal Nutrition

Fowler, JaNetta

Address: Route 2 Box 93; Butler, MO 64730
Major: Agricultural Business
Occupation: Marketing and Sales, Grain Merchandiser-NECO Seeds, Garden City, MO.

Gilkey, Tyler

Address: Lincoln, NE
Major: Agricultural Business/Economics
Occupation: Graduate student and research assistant-Nebraska University @ Lincoln

Harkrader, Justin

Address: 2835 Holmes Rd.; Houston, TX 77051
Major: Agronomy
Occupation: Soil Specialist-National Oilwell Varco

2006

Manier, Randi
Address: 114 Birch Creek Dr.; Somerville, TX 77879
Major: Master of Natural and Applied Science
Occupation: Graduate student at Texas A&M

Animal Behavior Class Offers Unique Experience

by Amanda Capkovic

Have you ever trained a rat? If you answered no, it's because you haven't taken the animal behavior class offered at Missouri State University.

The animal behavior class is offered during spring semesters. It was not offered this spring, but will be offered spring 2008. The course is a 399 class elective. The class listing can be found online under "Dr. Dennis Schmitt, DVM, Ph.D., DACT in Animal Science and Reproduction. The course is taught by Misti Fry, a per-course instructor in the Agriculture Department.

Training and animal behavior are the two main topics discussed throughout the semester. Training is a big portion of the class. The students are taught training techniques and then have all semester to train their rats to do tricks. Students are in charge of buying their own rats. Students only have to train one rat but, it's a good idea to have two in case one is unable to perform. At midterm the rats have to complete four behaviors and by the final perform 10.

Kristy Marson, a second year senior in the College of Natural and Applied Sciences, from Lido,

Calif., taught the class spring 2006.

"Training techniques you use for animals are the same as those you use for humans," Marson explained. "I like working with the female rats because they are easier to train, although the male rats are a lot more loving."

Marson said students who plan on taking the course should keep in mind that the females are easier to train.

During the semester the instructors invite different animal trainers in as guest speakers.

Trainers from Dickerson Park Zoo, Springfield, Mo., have visited the class in past years. The class also takes field trips. Spring 2006 they went to Bass Pro Shops Wonders of Wildlife, Springfield, Mo. The class experienced a behind the scenes tour on training different species such as sharks, otters and owls.



Horticulture Club Wins Awards at Regional Conference

by Allie Massa

The Missouri State University Horticulture Club took third place team honors in Indiana during competition among horticulture students from the Midwest Region.

Seven Missouri State University horticulture students attended the 34th annual Mid-America Collegiate Horticultural Society (MACHS) conference held March 8-11 at Purdue University, West Lafayette, Ind.

Tyler Kuske, senior horticulture major from Hixon, Tenn., and Andrew Scheuer senior wildlife conservation and horticulture double major from Branson, Mo., tied for first place in Woody Plant Identification competition. Jessica Roller, senior

communications science and disorders major from Seligman, Mo., won second place in Crop Judging and third place in a General Knowledge Exam. Other students from Missouri State University who attended were Horticulture Club President Tom Lampe from Springfield, Mo., club Secretary Shiloh Van Nostrand from Springfield, Mo., club Webmaster Anitra Lewis from Florissant, Mo., and Kirk Amato from Willow Springs, Mo., all horticulture majors. Van Nostrand was elected MACHS financial officer for 2007-08.

Michigan State University was the first place team in the competition. The University of Minnesota-Crookson finished in second place. Other schools besides Purdue who

attended the conference were the University of Illinois, University of Wisconsin, Northwest Missouri State University, and Iowa State University.

This is the sixth year that Missouri State Horticulture Club students have attended the MACHS conference. Missouri State students have won individual awards and have placed among top teams in various categories, but this is the first time for the club to finish among the top three overall teams. The 2008 MACHS conference will be held at the University of Wisconsin.

The MSU Horticulture Club advisors are Clydette Alsup and Pamela Trewatha.



Pictured on the Purdue campus with their third place team trophy are (Front Row L to R) Tyler Kuske, senior horticulture major from Hickson, Tenn.; Andrew Scheuer, senior horticulture major from Branson, Mo.; and Tom Lampe, senior horticulture major from Springfield, Mo.; and (Back Row, L to R) Kirk Amato, senior horticulture major from Willow Springs, Mo.; advisor Clydette Alsup; Shiloh Van Nostrand, junior horticulture major from Springfield, Mo.; Anitra Lewis, junior horticulture major from Florissant, Mo.; and Jessica Roller, senior communications science and disorders major from Seligman, Mo.

The Agricultural Communications class, under the direction of class instructor Joyce Cutright, provided feature stories for the 2006-07 edition of the Missouri State University Ag Review. Class members pictured are:



Kara Breshears, senior agricultural communications major from Republic, Mo.



Deborah Knight, senior animal science major from Springfield, Mo.



Amanda Capkovic, junior animal science major from St. Louis, Mo.



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



Josh Cutler, freshman agriculture major from Willard, Mo.



Thomas Nowacki, senior agricultural business major from Illinois.



Whitney Holliday, junior animal science major from Springfield, Mo.



Amanda Oneil, senior animal science major from Springfield, Mo.



Holly Hurshman, senior animal science major from Nixa, Mo.



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



Julie King, senior animal science major from Forsyth, Mo.



Kimberly Stephenson, freshman agriculture major from Strafford, Mo.



Emily Tubaugh, freshman agricultural business major from Carthage, Mo.



Michelle Tinsley, senior animal science major from Billings, Mo.



Danielle Woehrman, freshman animal science major from Camden Point, Mo.

Layout and Copy Editing: Karen Alford, Joyce Cutright, Brittany Gillig, Andrew Ormiston, Kimberly Stephenson.

Professor has position with Ringling Brothers

by Julie King

"The Greatest Show on Earth" has obtained one of our own! Dr. Dennis Schmitt, veterinarian and Missouri State University animal science professor, has accepted a two-year grant to serve as the chair of veterinary care and director of research for Ringling Brothers. Schmitt, who has been consulting with Ringling Brothers for almost 10 years, started the position fall 2006.

"I supervise the clinical care of all of the animals cared for by Ringling Brothers," said Schmitt.

When elephants are not traveling and are at one of Ringling Brothers permanent facilities, the actual care is handled by two associate veterinarians and Schmitt. One of the two associate veterinarians, Danielle Graham, is a former student of Missouri State University. When the animals are on the road performing, care is supplemented by on-call veterinarians across the country.

"I continue to be heavily involved in their breeding program," said Schmitt. "We initiated the first artificial inseminations this past year and are actively inseminating elephants on the traveling units this year."

Schmitt explained that all breeding up to this point by Ringling Brothers has occurred at their Center for Elephant Conservation.

Schmitt said he accepted the position based on two criteria: that he would not leave

Springfield or Missouri State University. His two-year grant may be renewed.

Schmitt said the grant is beneficial for the university and Ringling Brothers.

"We are in the planning stages for long-term research programs, perhaps with Ph.D. students," said Schmitt. "I would anticipate a number of master's level projects as well, as we complete planning for research and conservation initiatives in range countries, with ties to the program here at Missouri State University." Schmitt has years of experience in reproduction, but said he never dreamed his career would lead him in the direction of his current work.

"When I graduated from veterinary college I wanted to work with reproduction in cattle and horses and at some point teach in a college," said Schmitt. "While in veterinary school, I completed a Ph.D. program in reproductive physiology. I was active in embryo transfer and had a commercial embryo transfer business for almost 20 years. I did not anticipate the directions that my education allowed me to pursue."

"I have given up predicting opportunities," reflected Schmitt. "The doors that open because of my past experiences continue to surprise me."



Dr. Dennis Schmitt, professor of animal science, caring for one of Ringling Brothers' baby elephants.

Missouri State University is More Diverse than Ever

by Thomas Nowacki

The stereotype of students attending universities is changing. As at other universities the non-traditional population, students over age 25, continues to increase at Missouri State University.

In the Agriculture Department, especially at night, we see more non-traditional students. Sometimes students, who are also parents, even bring their children to class.

Research done by the Missouri State Adult Students (MOSAS) organization indicates older students enroll for a number of reasons.

Non-traditional student Ryi Ann Spencer-Dersam, December 2006 general agriculture graduate from Oklahoma, said she returned to school to prepare for a better career.

"I returned to school after six years because I didn't want to do what I was doing the rest of my life,"

said Spencer-Dersam. "There are several things I've always wanted to do but had to have a BS degree before I would be considered for any of the positions."

"An education is the most important asset in your life," reflected Spencer-Dersam. She added that she appreciated the Agriculture Department staff and noted that Beth Walker, visiting assistant professor in animal science, was her favorite professor.

While Spencer-Dersam returned to change careers, others report they return to stay competitive in an existing career area. Other non-traditional students take classes to broaden their knowledge in a specific subject or just for the challenge of learning something new.

Note: The author of this article Thomas Nowacki is also vice president of MOSAS. Nowacki is a senior agricultural business major from Illinois.

World's Fair Barns Are on the Move

by Michelle Tinsley

For Dr. Lyndon Irwin, a 15-year involvement with the 1904 St. Louis World's Fair project constantly offers new opportunities. Now he's helping to move World's Fair barns.

Missouri State University Animal Science Professor Irwin said the World's Fair was a way for people to see the latest in agricultural technologies and the newest breeds. And, in order to house the major livestock exhibitions and shows, large arenas and barns were erected in just one year.

Despite the size of the buildings, it was necessary to remove them at the end of the World's Fair. The buildings were constructed for easy dismantling and were sold to anyone who had the means to pay for them and could move them.

Now some of the barns are being moved again.

In February, Irwin was contacted to look at one of the barns that needs to be moved. The Farmington Historical Society is working with Irwin to help find a home for the octagon dairy barn purchased by Mr. Martin Clardy in 1905.

"The size of these buildings is simply unimaginable," said Irwin. "The 1904 World's Fair was one of the most important events in Missouri's agricultural history."

One of the World's Fair barns, a Jack stock barn, was purchased by L. M. Monsees with the use of his St. Louis World's Fair winnings. The barn was transported to his farm in Smithton, Mo., where it still stands today.

Irwin's interest in the history of agriculture and the 1904 World's Fair has taken him to many towns across Missouri. His findings are shared with groups like the St. Louis World's Fair Historical Society and agricultural groups. By sharing the stories with others Irwin helps communicate history and unite others interested in the 1904 World's Fair and Missouri agricultural history.

"There is a great deal of interest about the history of agriculture," says Irwin. "It helps us understand why things are the way they are today."



Dairy barn moved from the 1904 Worlds Fair to Farmington, Mo.



Jack stock barn on the Monsees' Limestone Valley Farm.

New Dean is Familiar Face

by Holly Hurshman



The College of Natural and Applied Sciences has a new but familiar leader. Dr. Tamera Jahnke, Missouri State University professor of chemistry, accepted the position of dean on Aug. 1, 2006.

As dean, Jahnke directs eight departments and a number of outreach and research centers in Springfield and

Mountain Grove. She has been at Missouri State University for 20 years.

Jahnke not only loves teaching, "especially organic chemistry classes", but is also active in research. Her scientific research interests include lipid peroxidation products and spectroscopic analysis of organic molecules. Jahnke is also a consultant-evaluator for the North Central Association Higher Learning Commission.

As dean, Jahnke has organized a CNAS Student Advisory Council, in which each department is represented by undergraduate students representing a variety of interests..

Collegiate Farm Bureau Agriculture Forum Highlights

- Held April 10, 2007 at Bass Pro Shops in the White River Room
- Topics included the 2007 Farm Bill and the Missouri Farm and Food Preservation Act - Senate Bill 364. There were also discussions regarding animal ID, ethanol and water rights.
- Guest speakers were Congressman Roy Blunt and Missouri Farm Bureau President Charles Kruse.
- Approximately 200 students, faculty and alumni were present.



Missouri Farm Bureau President Charles Kruse, Congressman Roy Blunt and Ag Moderator Marc Allison at the 2007 Ag Forum.



Guests enjoying dinner at the Agriculture Forum. There were 200 guests and alumni in attendance, the largest attendance in the event's history.

Professor is Working With Missouri Department of Agriculture to Prevent Bird Flu

by Andrew Ormiston

Dr. Lyndon Irwin, Missouri State University poultry science professor, is working with the Missouri Department of Agriculture to prevent potential outbreaks of bird flu in Missouri game bird populations.

Irwin said the MDA received a series of Federal grants in response to concerns about avian influenza virus – commonly known as bird flu. One of these grants is intended for educating those who commercially produce upland game birds, including pheasant and bobwhite quail, to stock hunting preserves and farms.

To complete this grant, MDC contracted with MSU and Irwin to produce educational programs for upland game bird producers in Missouri.

In addition to attending all bird flu response exercises, Irwin will be holding two workshops on game bird health. These are scheduled for May 30 in Springfield, Mo., and June 4 in Kansas City.

"We will be producing other educational materials throughout the year," said Irwin.

According to Irwin, this project is ongoing through 2007 and probably beyond, as long as there is concern about bird flu.

Irwin stressed that the chance of a bird flu pandemic happening in the United States is remote.

"Our intent with this project is to encourage game bird owners to practice good bio-security that will help us control an outbreak should we ever have one," said Irwin.



Tera Dover, general agriculture major from Aurora, Mo., left and Hollie Elliott, agricultural communications major from Springfield, Mo., right, receiving two of the three Dean Warnstaff Scholarships during the annual meeting of the Missouri Ag Industry Council, Inc. at Tan-Tar-A, Lake of the Ozarks, Mo. The council, headquartered in Jefferson City, Mo., represents the interests of food, fiber and renewable industries in Missouri. With the scholarship recipients is Mike Nordwald, member of board of directors, Missouri Ag Industry Council.

GRADUATES *Members of Delta Tau Alpha

SUMMER 2006

Abraham, Bradley	Ag. Business	Butler, Mo.
Barb, Myron	Animal Science	Edwards, Mo.
Blair, Michelle	Animal Science	Springfield, Mo.
Carpenter, Matthew	Wildlife Cons.	Springfield, Mo.
Connor, Shaun	Animal Science	Pacific, Mo.
Harmon, Sarah	Animal Science	Springfield, Mo.
Stramel, Kaylee	Ag Education	Carthage, Mo.

FALL 2006

Anderson, Mariah	Animal Science	Verona, Mo.
Boulware, Russell	Wildlife Cons.	Hollister, Mo.
Boyer, Melissa	Animal Science	Cadet, Mo.
Burdick, Andrew	Wildlife Cons.	Bolivar, Mo.
Busby, Josh	Food/Plant Science	Bakersfield, Mo.
Cummins, Margaret	Horticulture	Springfield, Mo.
Cupps, Matt	Agronomy	Shell Knob, Mo.
Dubbert, Nathan	Wildlife Cons.	Martinsburg, Mo.
Dwyer, John	Animal Science	Billings, Mo.
Easter, Mitchell	Horticulture	Springfield, Mo.
Gisselbeck, Douglas	Agronomy	Springfield, Mo.
Hannaford, Matthew	Wildlife Cons.	Springfield, Mo.
Hawks, Ronald	Agronomy	Lockwood, Mo.
Johnson, Clinton	Horticulture	Independence, Mo.
*Johnson, Meagan	Ag. Business	Springfield, Mo.
Johnston, Scott	Wildlife Cons.	Ozark, Mo.
Kimberlin, Ryan	Agriculture	Saint James, Mo.
Kleekamp, Nicholas	Horticulture	Defiance, Mo.
Lofquest, Aaron	Ag. Business	Nevada, Mo.
Long, Aaron	Ag. Business	Tipton, Mo.
Lonneman, Kim	Animal Science	Rushmore, Mo.
Lowrey, Doug	Horticulture	Chillicothe, Mo.
McClure, Meda	Animal Science	Galena, Mo.
McGinnis, Isaac	Animal Science	Bolivar, Mo.
*Melson, John	Animal Science	Gassville, Ar.
Montgomery, Joseph	Wildlife Cons.	Saint Louis, Mo.
Negele, Ricky	Wildlife Cons.	Springfield, Mo.
Norgren, Erica	Ag. Comm.	Springfield, Mo.
Phillips, Robert	Horticulture	Kissee Mills, Mo.
Schuster, Matt	Wildlife Cons.	Troy, Mo.
Spencer, Jeffrey	Agronomy	Republic, Mo.
Spencer, Ryi	Agriculture	Afton, Mo.
Vangunda, Dana	Agriculture	Seneca, Mo.
Wilson, Justin	Wildlife Cons.	Springfield, Mo.

TENTATIVE SPRING 2007

*Allison, Marc	Ag Business	S Greenfield, Mo.
Amos, Jeremy	Horticulture	Springfield, Mo.
Bellis, Jamie	Ag Comm.	Aurora, Mo.
Brown, Jared	Ag Education	Pleasant Hope, Mo.
Burkhart, Lisa	Horticulture	Nixa, Mo.
Byrd, Bryan	Wildlife Cons.	West Plains, Mo.
Carter, Lathe	Agriculture	Carthage, Mo.
Copeland, Alex	Ag Business	Miami, Mo.
David, Derek	Wildlife Cons.	Mountain View, Mo.
Davis, Chase	Wildlife Cons.	Seymour, Mo.
*Dougherty, Mary	Wildlife Cons.	House Springs, Mo.
Fowler, Janice	Animal Science	Omaha, Ark.
Greenwood, Philip	Animal Science	Crane, Mo.
Harms, Kara	Wildlife Cons.	Windsor, Mo.
*Harper, Blake	Ag Education	Carthage, Mo.
Havens, Natalie	Wildlife Cons.	Springfield, Mo.
*Holcumbrink, Chase	Ag Education	Springfield, Mo.
*Hubbard, Kyla	Ag Business	Adrian, Mo.
Irwin, Phillip	Ag Business	Bois D Arc, Mo.
Johansen, Tove	Animal Science	Springfield, Mo.
Johnson, Sarah	Horticulture	Stockton, Mo.
Kottemann, Katherine	Wildlife Cons.	St. Louis, Mo.
Kuske, Tyler	Horticulture	Hixson, Tenn.
Lallemant, Sonja	Horticulture	Springfield, Mo.
*Leap, Brenda	Ag Education	Eldridge, Mo.
Long, Donald	Animal Science	Mountain View, Mo.
Lott, Matthew	Animal Science	Ozark, Mo.
McCann, Aaron	Agronomy	New London, Mo.
McGinnis, Daberath	Ag Business	Bolivar, Mo.
Moore, Amanda	Wildlife Cons.	Springfield, Mo.
Nowacki, Thomas	Ag Business	Kissee Mills, Mo.
Owen, Adam	Animal Science	Bois D Arc, Mo.
Patterson, Melissa	Wildlife Cons.	Springfield, Mo.
Percival, Stephen	Agriculture	Phillipsburg, Mo.
*Petty, Laura	Ag Education	Kansas City, Mo.
Radosh, Gregory	Wildlife Cons.	Dittmer, Mo.
Raines, Heather	Ag Education	Willard, Mo.
Rains, Clayton	Agriculture	Stockton, Mo.
Rose, Richard	Ag Business	Long Lane, Mo.
*Sampson, Crystal	Animal Science	Rogersville, Mo.
Schapeler, Matthew	Animal Science	Butler, Mo.
*Spalding, Lindsey	Ag Business	Gower, Mo.
Spratt, Cynthia	Ag Comm.	Houston, Mo.
Staiger, Ashley	Ag Business	Springfield, Mo.
Sudbrock, Brian	Agriculture	Bolivar, Mo.
Venn, Sarah	Animal Science	Springfield, Mo.
Vinyard, David	Agriculture	Springfield, Mo.
Wallace, Jared	Ag Education	Springfield, Mo.
*Whistance, Jarrett	Ag Business	Half Way, Mo.
Wilson, Troy	Horticulture	Dunnegan, Mo.
*Wilson, Zachary	Ag Education	Everton, Mo.
Worthington, Brian	Ag Comm.	Dadeville, Mo.
Yarger, Jerrod	Animal Science	Sparta, Mo.

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Missouri State[™]
MOUNTAIN GROVE CAMPUS
DEPARTMENT OF AGRICULTURE

Projects and Grants in Support

- Biofumigation of a Strawberry Matted-row Site with Brassica Green Manure Cover Crops
North American Strawberry Growers Association \$1,000 2006-2007
- Biological Control of Crown Gall in Grapevine
(IR-4 USDA \$9,500)
- The effect of powdery mildew on defense-related gene expression in grapevine
VGDP \$137,297
- Effects of enological tannin additions on the formation of polymeric pigments in Norton wine
Missouri Dept of Agriculture
- Effects of tannin additions before and after the alcoholic fermentation of a high anthocyanin/low tannin wine
Graduate College \$500
- Elderberry Fertility Management in a Former Lagoon Site
MSU Office of Environmental Management \$1,311 in 2006-2007
- Establishment of a grapevine transformation and regeneration system based on somatic embryogenesis
VGDP 2007 \$332,068
- Evaluation of Missouri Native Plants for Cut Flower Production
Grow Native! \$3,000
- Elderberry Cultivar Trial
Northwest Center for Small Fruit Research (\$26,900 in 2004-2005).
- Paw paw Studies
- Thomas Jefferson Institute for Agriculture (\$1500 in 2001-2002).
- Kerr Center for Sustainable Agriculture (\$2000 in 2002-2003)
- Elderberry Evaluation Trial
USDA National Plant Germplasm System (\$15,000 in 2004-2006).
- Identification of powdery mildew-induced genes using suppression subtractive hybridization
VGDP \$334,972
- Investigations in to Natural Chestnut Blight Resistance and the Propagation of the Ozark Chinquapin
Northern Nut Growers Association (\$4,957 in 2006)
- John Grinstead Breeding Repository
30,000 from John Grinstead will
- Microarray analysis of the disease-induced transcriptome in grapevine
Vitis Gene Discovery Program \$334,972

Selected Events

- Small Fruit and Vegetable Basics Bus Tour - Visiting Grower Farms
- Small Fruit and Vegetable Conference - Small fruit and vegetable culture
- Fruit and Ornamentals Pruning Day - Pruning tree fruits, small fruits, grapes, and ornamental trees and shrubs
- Mountain Grove Campus Tours – school tours, FFA, Vo-Ag, any interested group or party
- Spring Horticulture Seminar – Rain Gardens and Water Gardens, in conjunction with Tri-County Master Gardeners
- Compost and Green Manure Workshop - Information on composting and green manures
- Viticulture Field Day - Grape culture
- Alternative Fruit Crops Field Day - Alternative fruit culture
- Fall Horticulture Seminar - Bulb Forcing Workshop - in conjunction with Tri-County Master Gardeners

November Scholarship Banquet Highlights



FFA Scholarship
Kayla Bastin, sophomore animal science major from Golden City, Mo. (Recipient) right; Weston Walker, assistant professor (Presenter), left.

Vernon Renner Scholarship
Dr. Vernon Renner (Presenter) left; Mary Dougherty, senior wildlife conservation major from House Springs, Mo. (Recipient) right.



Douglas W. Darr Leadership Scholarship
William H. Darr (Presenter) left; Ashley Gillig, junior agricultural business major from Aurora, Mo. (Recipient) right.

Agriculture Alumni Scholarship
Susan Dawley, alumna (Presenter) left; Adam Huser, junior animal science major from Lockwood, Mo. (Recipient) right.



Stanlie H. and Belva Ross Spangler Scholarship
Dr. Gary Webb, associate professor (Presenter) right, Chris Lanz, sophomore agronomy major from Liberal, Mo. (Recipient) left.

Glenn E. & Ruth Z. Karls Memorial Scholarship
Brenda Leap, senior agricultural education major from Eldridge, Mo. (Recipient) left; Beth Walker, visiting assistant professor (Presenter), right.



Agriculture Alumni

Senior	Kim Lonneman	Worthington City, Mn.
Senior	Andrew Scheuer	Branson
Senior	Jarrett Whistance	Halfway
Junior	Danan Bradley	Buffalo
Junior	Jennifer Ford	Manchester
Junior	Rebecca Price	Schell City
Sophomore	Ashley Vinson	Mount Vernon
Freshman	Eric Allison	Greenfield
Freshman	Anna Krause	Liberty
Freshman	Lucas Snodgrass	Seymour
Transfer	Angela Boyer	Bonne Terre
Transfer	Adam Huser	Yarina Cocha, Peru

Gayle Ashley Horticulture Club

Sarah Johnson Stockton

Block & Bridle Club

Hanna Henley Eugene
Erin McCorkill Greenfield

Carr Farm

Senior	Andrew McCorkill	Greenfield
Senior	Laura Petty	Smithville
Sophomore	Nathan Owens	Slater
Transfer	Jarrod Lawrence	West Plains

Douglas W. Darr Leadership

Senior	Jamie Bellis	Aurora
Senior	Blake Harper	Jasper
Senior	Heather Rains	Willard
Senior	Cynthia Spratt	Houston
Senior	Brian Worthington	Dadeville
Junior	Tera MDover	Aurora
Junior	Ashley Gillig	Aurora
Junior	Brittany Gillig	Aurora
Junior	Sophia Lewton	Kirksville
Junior	Lindsey Spalding	Gower
Sophomore	Lynzee Glass	Tunas
Sophomore	Christine Gonder	Lexington
Sophomore	Jordan Haymes	Mt. Vernon
Sophomore	Jamie Vest	Lebanon
Freshman	Wesley Davis	Ava
Freshman	Allie Mmassa	Lamar
Freshman	Amanda Parrack	Macks Creek
Freshman	Danielle Woehrman	North Platte
Freshman	Matthew Wommack	Buffalo

Delta Tau Alpha

Lindsey Spalding Forsyth

FFA Scholarship

Josh Cutler Morrisville
Kayla Bastin Carthage

FFA State Officer Scholarship

Wesley Davis Ava
Allie Massa Lamar
Amanda Parrack Macks Creek

FCS Financial

Kym James Licking

Farmers Coop Livestock Marketing

Brant Harvey Lamar
Meagan Johnson Clinton
Daberath McGinnis Bolivar



Christian Robert Hirsch Memorial Scholarship
Jon Wiggins, professor, (Presenter) right, Ryan Stackhouse, junior animal science major from Paris, Mo. (Recipient) left.

Jack Gordon Memorial

Landon Snook Exeter

Harry & Marion James Agronomy Scholarship
Cody McCleary, senior wildlife conservation major from Springfield, Mo., (Recipient) left; Harry James, (Presenter) right.



Christian Robert Hirsch Memorial

Ryan Stackhouse Paris

Harry & Marion James Agronomy

Ronnie Hawks Greenfield

Norman Justus

Josh Cutler Morrisville

Glenn E. & Ruth Z. Karls Memorial

Senior	Brenda Leap	Lebanon
Senior	Crystal Sampson	Logan-Rogersville
Senior	Matthew Eggerman	Lockwood
Freshman	Jadra Parsons	Jefferson City
Transfer	Megan Griggs	Stockton
Transfer	Cory North	Lebanon
Transfer	Joey Stokes	Pleasant Hope
Transfer	Samantha Wilkes	Spring, Tx.



Farmers Coop Livestock Marketing Scholarship
Arbindra Rimal, assistant professor (Presenter) left, Daberath McGinnis, senior agricultural business major from Bolivar, Mo., (Recipient) right.

Benjamin Charles Kruse Memorial Scholarship

Hollie Elliott Springfield

James P. & Margaret S. Landreth

Zachary Wilson Everton

H. Lewis Miller

Chris Rapp Rockville

Missouri Farm Bureau Foundation for Agriculture Scholarship

Ryan Draffen Versailles
Leah Francka Pleasant Hope

Glenn E. and Ruth Z. Karls Memorial Scholarship
Joey Stokes, sophomore agricultural business major from Brighton, Mo. (Recipient), left; Sue Webb, equine instructor (Presenter) right.



Ed Pinegar Scholarship

Alex Bernard Willard

Howard Pyle Memorial

Kimberly Sutter Harrisonville

Vernon Renner

Sarah Buntton	Liberal
Matt Cupps	Cassville
Mary Dougherty	House Springs
Marc Allison	Greenfield
Chase Holcumbrink	Logan-Rogersville
Sarah Rapp	Rockville



Block and Bridle Scholarship
Tommy Perkins, professor (Presenter) left, Erin McCorkill, senior animal science major from Greenfield, Mo. (Recipient) right.

John D. Schatz

Alvin Meeks Stockton

Stanlie H. & Belva Ross Spangler Memorial

Chris Lanz Liberty
Sarah Venn Willow Springs

Howard Pyle Memorial Scholarship
Kimberly Sutter, freshman horticulture major from Hollister, Mo. (Recipient), right; Clydette Alsup, assistant professor (Presenter) left.



David F. Stanke Memorial

Alicia Vandever Seymour
Jordan Buck Dadeville

Charles & Patricia Stufflebeam

Melissa Boyer Park Hills

Robert F. Thomson, Jr. Family

Jordan Buck Dadeville

Uncle Tom Watkins Memorial

John Melson Gassville

White River Valley Electric Cooperative

Cody McCleary Mansfield
Chase Davis Seymour

AWARDS

Farm Bureau Salute to Agriculture

Emily Tubaugh Carthage

Greene County Farm Bureau Award

Jordan Haymes Mt. Vernon
Ashley Staiger Billings

Missouri Entertainment and Events Center Internship Award

Lynzee Glass Skyline

Missouri Cattlemen's Association

Jeri Lynn Fowler Adrian
Ashley Gillig Aurora
Brittany Gillig Aurora
Allie Massa Lamar
Emily Tubaugh Carthage

William H. Darr Graduate Assistantship

Brandon Bruce Halfway

Grasslands, Inc. Graduate Assistantship

Jarred Meyer Glasgow

Delta Tau Alpha Outstanding Freshman

Jordan Richner Pleasant Hope

Glenn E. Karls Senior Excellence Award in Agriculture

Marc Allison Greenfield

New Zealand Group Hopes to Expand Missouri Dairy Industry

by Andrew Ormiston

Missouri has a milk deficit. Over the last 15 years, high production costs have caused several Missouri dairy farmers to quit the business. Today the gap between milk production and consumption in Missouri exceeds 1 billion pounds annually.

Grasslands Consultant, LLC hopes to change this and Missouri State University is helping to determine the possibilities.

Missouri State University Agriculture Department Head Dr. Anson Elliott said that Grasslands is a group of dairy farmers in New Zealand who want to introduce the New Zealand method to southwest Missouri dairy farmers. First they need to determine if the method will work in southwest Missouri. If the method is successful here, the Grasslands group wants to attract Missouri State University students and others in the area to work with them to learn their methods - first as employees, then partners and eventually owners.

Elliott explained the New Zealand system relies on intensive rotational grazing of perennial rye grass. This, Elliott noted, is a departure from the American practice of confinement feeding which heavily relies on concentrate feeds.

"The question is can the Ozarks produce enough forage, using a grass species that isn't native to the area, to make this a viable operation?" said Elliott.

To answer this question, Grasslands invested in several southwest Missouri farms and requested the help of Missouri State University's Department of Agriculture.

Using a grant provided by Grasslands, students at Missouri State are working to determine if New Zealand farming methods will work in the Ozarks.

Jarred Meyer, agronomy graduate student, has been working with a Grasslands-owned farm in Monett, Mo., since August 2006.

According to Meyer, Grasslands is interested in southwest Missouri because of the area's noted ability to produce grass, because it is a milk deficit state and because of the area's climate, which is similar to New Zealand.

"They are very dedicated to helping with the current situation (in Missouri) and are trying to boost milk production," said Meyer.

Meyer explained rotational grazing lowers production costs. By feeding cattle grass, producers can avoid the high cost of grain. He said rotational grazing also lowers labor cost since it is the cattle harvesting the grass.

"Basically, they make the cows do all the work," said Meyer.

Meyer is researching the nutritional value of forage and based on his research hopes to determine how much grass the cattle will need. The findings will help predict whether the area can produce enough forage to support the cattle.

Meyer said Grasslands owns several farms in southwest Missouri where their average operation is 500 acres and 400 cattle.

Meyer noted that at the farm he works with most of the employees are from southwest Missouri. According to Meyer, Grasslands recently hired several Missouri State University graduates to manage enterprises.

Meyer said Grasslands also is holding seminars explaining their technique to area dairy farmers. According to Meyers, some of the younger farmers are beginning to incorporate these ideas into their farm plans.

"Like anything it's a gradual process, but it's all for the hope of keeping the industry alive in southwest Missouri," said Meyer.

Beef Cattle Industry Has Big Impact On Local Economy

by Michelle Tinsley

The beef cattle industry provides an estimated \$345 million in output to the Southwest Missouri economy, according to Arbindra Rimal, associate professor of agricultural business at Missouri State University. The findings come from Rimal's recent beef cattle industry study.

Rimal conducted the study, with the help of the Springfield Area Chamber of Commerce, to determine the beef cattle industry's size and economic impact on southwest Missouri. The region studied includes Barry, Cedar, Christian, Dade, Dallas, Greene, Laclede, Lawrence, Polk, Stone, Taney and Webster counties.

The data collected found beef cattle sales in the 12-county area represented more than 17 percent of the total sales in Missouri in 2005. In terms of number of cattle operations Polk, Webster, Lawrence, Barry and Greene counties ranked in the top 10 in Missouri.

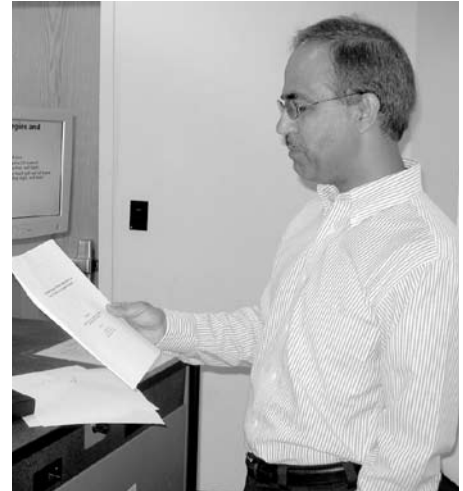
Rimal also found beef cattle sales account for more than 25 percent of gross receipts from the agricultural commodities sold. He estimated the beef cattle industry impact to be \$345 million in output, 7,825 jobs and \$113 million in value-added revenue, including \$49 million for labor income.

This is the second study Rimal has conducted on this 12-county area, and he doesn't intend to make it his last.

"These studies are important to create awareness among the policy makers," said Rimal.

Rimal explained concrete numbers help to show how much the industry contributes to the economy and that dollar amounts are harder for people to ignore.

Rimal plans to continue studying the impact of agriculture on southwest Missouri by conducting similar studies within industries such as dairy, poultry and swine.



Arbindra Rimal discusses his recent beef industry study

Horticulture Club Helps Beautify Downtown Springfield

by Allie Massa

On Saturday, April 28, 2007, Missouri State University Horticulture Club members helped add beauty to downtown, Springfield, Mo.

The students prepared flower beds along the streets in the downtown square area.

Once the club completed the bed preparation Cen-

tral High School students planted annual flowers.

"Service projects like this are a great way to help out the community while giving our horticulture majors valuable hands-on experience" said horticulture club advisor Dr. Clydette Alsup, associate professor of horticulture.



Darr Agricultural Center Still Expanding

by Danielle Woehrman

During 2007, Pinegar Arena at the Darr Agricultural Center was given a facelift, including a new roof, insulation and siding.

"An addition on the north side of the building includes an office complex, a concession area, restrooms and locker rooms," said Dr. Ben Fuqua, Missouri State University professor of agronomy and director of the Darr Agricultural Center. "Large animal handling facilities were added to the west side for teaching and research activities of horses and cattle. A lecture room, research laboratory and a two-bedroom apartment were also added to the west side. On the south side of the original building, stalls were added to house university

horses and a canopy constructed to connect the new arena and the open-sided multi-purpose arena."

Fuqua said the new facilities really benefit the University. They provide excellent laboratory and handling areas for both cattle and horses. The new facilities are available to the agriculture faculty of Missouri State University for conducting workshops, seminars and other related agricultural activities for the university. Fuqua added that the facility also provides a safe environment for the MSU-Council of Churches Therapeutic Riding program.

The Agriculture department is finalizing plans to make Pinegar Arena available for other agricultural events.

The paving of the entrance road and parking lots is scheduled for this summer.

The Darr Agricultural Center is located on Kansas Expressway south of campus.

William H. Darr, for whom the Darr Center is named, has contributed to many projects at the center. The newly renovated arena is named Pinegar Arena, after Ed Pinegar, a major donor to the construction and expansions of the facility. Funds designated by the Missouri legislators were also used in completing the facility.

"The continued improvements to the Darr Center are visible signs of the commitment to MSU and the Department of Agriculture," said Fuqua.

Agriculture Pathways Partnership Creates Outreach

by Andrew Ormiston

Students in rural areas may earn a Bachelor of Applied Science degree in agriculture from Missouri State University through the Agriculture Pathways Partnership while remaining close to home.

Dr. Weston Walker, assistant professor in agricultural education at Missouri State University, is Pathways director. Walker explained Pathways is a collaborative agreement between Missouri State University and several community colleges, including Missouri State University-West Plains, West Plains, Mo.; Crowder College, Neosho, Mo.; Redlands Community College, El Reno, Okla. and North-eastern Oklahoma A&M, Miami, Okla.

Walker said Pathways is designed to help students in two-year agricultural programs who cannot easily attend a four-year program because the university is too far from where they work and live.

One of Pathway's key features is "cross-instructional delivery." Students in the program may enroll in numerous classes taught from participating schools. This gives students a better range of courses to choose from and enables students at two-year colleges to stay at their home institution and complete a four-year program from Missouri State University.

Classes are delivered in four ways - traditional face-to-face classes, interactive television, video-taped classes and internet classes. ITV is the preferred delivery method.

ITV classes originate from one location and are simultaneously broadcast to students in other locations. The technology allows students to communicate in real time with the professor.

In spring 2007, Dr. Beth Walker, visiting assistant professor in animal science at Missouri State University, taught

four ITV classes from the Springfield campus with students located at Missouri State University and Missouri State-West Plains.

Although teaching a class where the students were several miles apart was challenging, Beth Walker said that the ITV technology successfully brought them together.

"The students in distance class can talk to the professor and talk to the students in the host location," said Beth Walker

Beth Walker said that ITV technology has benefited the Agriculture Department by providing additional outreach opportunities.

Students at the Springfield campus are also receiving instruction from faculty at partner institutions.

Dr. Pete Smith, Northeastern Oklahoma A&M College, Miami, Okla., now teaches agricultural statistics delivered through ITV for students at Missouri State University.

"I think it's a fantastic opportunity for people in the area," said Smith.

Smith said that he'd like to see the program expand to include a graduate program.

"I think you could do it," reflected Smith. "When I got my master's, a lot of my graduate work was done through interactive media. It can be done."

The Pathways concept was originally an initiative between Crowder College and Missouri State University.

With the help of Pathways, in a three-year period the Agriculture Department went from offering one distance course with two off-campus enrollments to 14 distance-delivery courses for spring 2007. In addition to the Missouri State University students enrolled, there were 53 off-campus students from five partner institutions.

News Briefs

DTA News

by Amanda Capkovic

The Missouri State University Chapter of Delta Tau Alpha was recognized with one of the Outstanding Chapter Awards during the 2007 National DTA Convention at Eastern Kentucky University, Richmond, Ky. The chapter was among 27 competing chapters and tied for second place. Students that attended were Chase Holocumbrink (national president), senior agricultural education from Rogersville, Mo.; Lindsey Spalding, senior agricultural business from Gower, Mo.; Julie King, pre-veterinary medicine from Forsyth, Mo. and Alicia Vandever, senior pre-veterinary medicine from Seymour, Mo.

Bear Classic Cattle Show Held April 29, 2007

There were 107 entries in the Bear Classic Cattle Show held April 29, 2007, in Pinegar Arena at the Darr Agricultural Center. A total of 79 4-H and FFA members from three states exhibited steers and heifers. The show was sponsored by the Missouri State University Block and Bridle Club with 16 members working throughout the show.

\$142,000 in Sales at the Missouri State University and Friends Elite Event Cattle Sale

April 22, 2007, there was a packed house in Pinegar Arena at the Darr Agricultural Center Pavilion, Springfield, Mo., for the Missouri State University and Friends Elite Event Cattle Sale. Four breeds representing 69 live and embryo lots sold at auction with sales grossing \$142,000 for an average of \$2,088 per lot. A total of 51 members of the beef production and beef marketing classes worked on the sale.

Two Department of Agriculture Majors Obtain Internships with American Farm Bureau in Washington, D.C.

This summer Marc Allison, senior agricultural business major from Greenfield, MO and Hollie Elliott, senior agricultural communications major from Springfield, Mo., will be interns at the American Farm Bureau Headquarters in Washington, D.C. The two earned scholarships for the intern positions by going through a competitive application process. Allison's internship is in agricultural policy and Elliott's is in public relations.

Missouri Vocational Agriculture Teachers Association Honored

The Missouri Vocational Agriculture Teachers Association (MVATA) was honored this year at the annual Scholarship and Awards Banquet with the Distinguished Service Award for their many years of service to the Agriculture Department. Pam Profitt-Rowland, past president of MVATA and Missouri State University alumni, received the award on behalf of MVATA.

Two Special Scholarships Established This Year

Two scholarships were recently established in honor of Missouri State University staff members.

The Dr. J.N. Smith/FCS Financial Scholarship was established by FCS Financial, Jefferson, City, Mo., in honor of Dr. J.N. Smith, retired professor of agricultural business, who passed away December 2006.

The Anson Elliott Scholarship for Agricultural Leadership was established by Missouri State University President Michael Nietzel and Missouri Farm Bureau President Charlie Kruse. Formal announcement of the new scholarship was made during the fall 2006 Agriculture Department Scholarship Banquet.

For information on how you can give back to the Department of Agriculture through these or other scholarships, please contact Jaimie Trussell, director of development for the College of Natural and Applied Sciences, at 417-836-5161 or by emailing jtrussell@missouristate.edu

Students Study Tropical Agriculture in Belize

by Josh Cutler

What were Missouri State University agriculture students doing in Belize? A special topics class took the opportunity to travel to Belize during the January 2007 break to study tropical agriculture.

During the nine-day trip students and faculty learned about the agricultural aspects of this small Central American country. The group toured a number of research facilities, farms and a farmers' market. The production operations visited included swine, aquaculture, banana, lumber and citrus fruit.

Dr. Clydette Alsup, associate professor of horticulture at Missouri State University, said the amount of subsistence agriculture remaining in Belize is surprisingly small.

The agricultural industry in Belize is focused mainly on commercial production. Most other Central American countries produce only enough food for domestic consumption while Belize is able to export the majority of their production. However, Belize is still a de-

veloping country and is significantly behind in production methods. In Belize labor is very intensive and inputs are high.

Alsup said pesticide is the



highest overall input cost for Belizean crop production due to vast pest numbers and high chemical costs.

Those participating in the Belize trip were Thomas Baldenegro, junior biology major from Springfield, Mo.; Jamie Bellis, senior agricultural communications major from Mt. Vernon, Mo.; Colette Bridges, junior biomedical science

major from Fair Grove, Mo.; Adrienne Corrigan, junior biomedical science major from Marshfield, Mo.; Chase Davis, senior wildlife conservation major from Seymour, Mo.; Christine Gonder, junior agricultural communications major from Lexington, Mo.; Rachel Horner, senior continuing education major from Springfield, Mo.; Deidre Kent, senior animal science major from Springfield, Mo.; Trisha Landreth, junior biomedical science major from Seneca, Mo.; Jacqueline Morrison, senior biomedical science major from Springfield, Mo.; Lindsey Spalding, senior agricultural business major from Gower, Mo.; Matthew Wingo, sophomore agricultural business major from Marshfield, Mo.; Clydette Alsup, associate professor of horticulture; Michael Roling, professor of entomology; Innocent Onwueme, associate dean of the college of natural and applied sciences; and Carmen Boyd, instructor of biomedical sciences.

Professor Fondly Remembered

by Emily Tubaugh and Kara Breshears



Dr. J.N. Smith, a former professor of Agricultural Business at Missouri State University, passed away Dec. 16, 2006, at age 75.

In 1959 Smith came to the Springfield campus from the University of Missouri-Columbia to help develop the agricultural economics program. Smith was founder of the Agricultural Industry Study at the university and was involved with the project for over 25 years. Smith retired in 1999.

"Dr. Smith's greatest joy seemed to have come after he had just helped some student, student and family, business person or colleague through a serious challenge," said Dr. Anson Elliott, Department of Agriculture head. "His impact has been felt by thousands of individuals. He will be fondly thought of and truly missed."

Dr. Elliott is Honored at Governor's Conference on Agriculture

by Deborah Knight

The Agriculture Leader of the Year award was presented to Dr. Anson Elliott, Missouri State University Agriculture Department head, during the 40th annual Missouri Governor's Conference on Agriculture. The recognition is an award presented by the Agricultural Leadership of Tomorrow organization.

Elliott strives to develop students through example. For over eight years his leadership class has allowed future leaders to express and develop ideas.

Elliott came to Missouri State University from the

University of Minnesota in 1978 as an associate professor of agriculture. He was named the Agriculture Department head in 1980. He continues to teach and is active in state legislature, committees and local projects.

"I was very surprised to receive the recognition," said Elliott. "It was a real honor."

Elliott said he wants the honor to focus on the achievements of the students and faculty of the Agriculture Department at Missouri State University.

State FFA Officers Balance FFA Duties and College Life

by Kimberly Stephenson

Balancing classroom demands while serving as a state FFA officer can be a real challenge. This year three students in the Agriculture Department were state officers.

Serving as FFA state vice presidents were Allie Massa, freshman agricultural education major from Lamar, Amanda Parrack, freshman agricultural education major from Macks Creek and Wesley Davis, freshman agricultural education major from Ava, Mo.

"Being an officer can be stressful and time consuming," said Davis. "The officers have to miss a lot of classes in order to attend chapter visits, contests, conferences and training sessions. These activities are when the officers meet many of the FFA members, build bonds and represent the Missouri State University Agriculture Department."

Davis said the FFA leadership experience has helped him to determine his major and helped him understand the rewards that come from hard work and dedication.



Allie Massa



Amanda Parrack



Wesley Davis

User-Friendly Statistics

by Amanda O'Neil

Spring 2007 a statistics class was reinstated to the Missouri State University Agriculture Department curriculum. The class was offered utilizing Interactive Television and is part of the Agriculture Pathways Partnership distance learning program.

Dr. Anson Elliott, Missouri State University Agriculture Department head, said he worked with Dr. Pete Smith of Northeast Oklahoma A & M College, Miami, Okla., to create a class that would ease student fears of statistics.

Smith taught the 12-week ITV course from Miami, Okla. The

class was structured for agriculture students who will use information more as consumers than producers.

"The end product of an introductory statistics course should be students who are well-informed consumers, with some critical insight into statistical claims that they will later meet," said Smith. "I wanted to show them how to use statistics, not how to calculate it."

"The primary goals were to see that students understood the applications of the statistics and how statistics can be misused," said Smith. "And, for the students I tried

to ease their fears of statistics and show them how to use a critical eye when reviewing studies."

Response to Smith's class was positive.

"Statistics is a class that a lot of people are scared of and I think Dr. Smith taught it and explained it well," said Ashley Gillig, class member and junior agricultural business major from Aurora. "Great class, I am going to recommend it to anyone that asks."

Smith said the first ITV statistics course went well and the plans are to continue offering the class.

Ag Review

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