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Dr. Jason Apple Recipient of Meats Research Award

Dr. Jason K. Apple received the Meats Research Award from the American Society of Animal Science at the national meeting conducted last July in Indianapolis.

Apple joined the Animal Science Department at the UA as assistant professor in 1995, and he was instrumental in reviving the meats program. He was promoted to associate professor in 2001 and to professor in 2007. His research has focused on improving the quality, consistency, safety and value of beef and pork. He has authored/co-authored 48 peer-reviewed papers, 86 abstracts, one book chapter and 67 research reports and extension publications. He has been an invited speaker to many national and international conferences.

He has served on the American Meat Science Association Board of Directors and received the national Pork Board Innovation in Swine Research Award, the American Meat Science Association Achievement Award and the American Society of Animal Science Southern Section Outstanding Young Scientist Research Award. He served the Journal of Animal Science, first on the editorial board and then as Animal Products Division editor and Meat Science Section editor. He and co-workers have been awarded 27 competitive grants totaling more than \$1 million.

In the past 5 years, Apple has published 23 manuscripts in peer-reviewed publications as senior author, and he has been a co-author on another 10. He has been senior author on 31 scientific abstracts and co-author on another 20. Research from his laboratory has been highlighted 9 times by Feedstuffs and BEEF magazines. As further evidence of his impact, a total of \$505,302 for 11 grants has been awarded over the past 5 years from various sources including Arkansas Beef Council (Beef Checkoff money), University of Arkansas Honors College, National Cattlemen's Beef Assn., Tahitian Noni International, Elanco Animal Health, Darling International By-Products, Inc., and Zinpro Corp.

Jason Apple is a native of Oklahoma and currently resides in Springdale with his wife, **Allison**, and 3 children, **Hanna**, **Hadley**, and **Zane**.



Award presented by Dr. William Weldon (left),
Senior Director, Elanco Global R&D

Dr. Hayden Brown Recipient of Jack G. Justus Award for Teaching Excellence

Dr. A. Hayden Brown, Jr., a native of Tennessee, has M.S. (1974) and Ph.D. (1976) degrees in Animal Science with emphasis in animal breeding and genetics from the University of Tennessee, Knoxville. Dr. Brown started his career at the University of Arkansas, Fayetteville, in 1977 as an Assistant Professor and was promoted to Associate Professor and Professor in 1983 and 1988, respectively. Although Dr. Brown has developed an internationally recognized, productive research program in genetics and has a historically high research appointment, he has excelled in the classroom. Over the many years he has taught in the Department of Animal Science, he has touched the lives of many students who have passed through the program and credit Dr. Brown for their professional success. This is most evident by the large number of courses he has taught through the years within the Department of Animal Science. Brown is the platform instructor for Animal Breeding and Genetics, Animal Behavior, Seminar, Quantitative Inheritance and supervises the research of numerous graduate students and undergraduate students in special problems and



From left, Milo Shult, Jack Justus, Hayden Brown
and Lalit Verma

internships. Dr. Brown has also taught Management of Livestock Genetics, Beef Production, and Livestock Judging. To this end, his student ratings are consistently some of the highest ratings in the department. Although one might think that this heavy teaching load would be enough; however, Dr. Brown is also responsible for and has placed numerous students in the departmental internship program. Dr. Brown is a member of the Honors College faculty. Dr. Brown has also advised many students through the years as undergraduate and graduate students. He has advised in excess of 250 undergraduate students as well as 12 Ph.D. students, 33 M.S. students, and 2 M.S. non-thesis students. He has also served on 5 Ph.D., 22 M.S., 1 M.A., 53 non-thesis, and 1 Ph.D. non-dissertation student committees. Dr. Brown is currently serving as one of three faculty advisors for the Alpha Zeta Honorary Agriculture Fraternity. He has served as faculty advisor for the Arkansas Animal Industry Club (National Block and Bridle Club) for 17 years and served as the National Block and Bridle Club Vice-President for one year and President for two years.

Dr. Brown and his wife, **Helen**, live in Fayetteville and have one daughter, **Ashley**, who is a student at the UA.

Faculty

Keith Lusby, Department Head	klusby@uark.edu
Jason K. Apple	japple@uark.edu
Paul Beck	pbeck@uaex.edu
Brett Barham	bbarham@uaex.edu
A. Hayden Brown, Jr.	hbrown@uark.edu
Kenneth Coffey	kcoffey@uark.edu
Shane Gadberry	sgadberry@uaex.edu
Nancy Jack	njack@uark.edu
John Jennings	jjennings@uaex.edu
Zelpha B. Johnson	zelphaj@uark.edu
Steve Jones	sjones@uaex.edu
E. B. (Beth) Kegley	ekegley@uark.edu
D. Wayne Kellogg	wkellogg@uark.edu
David L. Kreider	dkreider@uark.edu
Bryan R. Kutz	bkutz@uark.edu
Charles V. Maxwell	cmaxwell@uark.edu
Jodie Pennington	jpennington@uaex.edu
Dirk Philipp	dphilipp@uark.edu
Fred W. Pohlman	fpohlma@uark.edu
Jeremy Powell	jerpow@uark.edu
Rick W. Rorie	rrorie@uark.edu
Charles F. Rosenkrans, Jr.	crosenkr@uark.edu
Tom Troxel	ttroxel@uaex.edu
T. A. Yazwinski	yazwinsk@uark.edu

Emeritus Faculty

C. J. Brown
L.B. (Bernie) Daniels
Paul R. Noland
Jack L. Perkins
Edgar L. Piper
Jerry Rakes
Tom Westing

Newsletter Editor

Zelpha Johnson (479) 575-2983
zelphaj@uark.edu

Dept. Phone No. (479) 575-4351
Fax: (479) 575-7294
Web Address: ANSCHOME.COM

Fred Pohlman Promoted to Professor

Dr. Fred Pohlman has been promoted from Associate Professor to Professor effective July 1 of this year.

Dr. Pohlman joined the Animal Science faculty in 1997 after working as an instructor of Animal Science at Morehead State University for a year and as a Development Technologist at Nestle Foods from 1994-1997. He was promoted to Associate Professor in July, 2003. Dr. Pohlman received his BS degree from the University of Missouri, his MS degree from the University of Tennessee, and his PhD degree from Kansas State University. His research emphasis at the UA is meat processing and handling techniques, food safety, animal finishing, lean meat quality and yield, and meat palatability. He teaches ANSC 2781 Career Preparation and Development and other courses related to Meat Science. He and his wife **Tami** live in Prairie Grove and have two sons, **Will** and **Nick**.



Jason Apple Presented Gamma Sigma Delta Research Award

Dr. Jason Apple was presented the Research Award of Merit by the Arkansas Chapter of Gamma Sigma Delta, the Honor Society of Agriculture, at their awards program on March 24, 2009.

Dr. Apple has an extremely active research program. His major areas of research in the past 5 years and its importance are:

Previously, Apple had used sheep as an animal-model for studying the formation of dark-cutting meat; however, many were skeptical of its application to beef cattle. Moreover, most researchers in this area were convinced that there was species specificity for stressors. In other words, cattle produced dark-cutting beef in response to physical stressor(s), whereas sheep were more affected by emotional stressors. His research demonstrated that forced treadmill exercise was stressful, but it was the subjection of calves to a single, 6-hour bout of restraint and isolation stress that resulted in the formation of dark-cutting beef. Thus, the development of a reliable and repeatable animal-model will lead to additional studies into methods of reducing or eliminating this economically relevant quality defect. Currently his laboratory is negotiating a series of studies testing antemortem treatments on calves subjected to this model system.

Apple's laboratory has shown that near-infrared spectroscopy can predict the fat, moisture, and cholesterol content of both fresh and cooked ground beef. This research has the potential for production of inexpensive devices for restaurants to provide customers with nutritional information. Moreover, his recent studies testing the ability of near-infrared spectroscopy to predict cooked beef palatability have the potential as a noninvasive method of segmenting beef into tenderness categories.

Enhancing dark-cutting beef with an acidulant to alter cooked beef color was innovative, and, to our knowledge, never attempted by any other research institution. His lab is the first anywhere to discover that fresh beef color could also be altered to that of normal pH beef and this has considerable economic ramifications.

Apple received the Meats Research Award from the American Society of Animal Science in 2008 (see related article on page 1).



Award presented to Apple by Gamma Sigma Delta President Bruce Dixon

From the Department Head's Desk

by **Keith Lusby**



The Department of Animal Science had another productive year. We just finished our Awards luncheon and had 140 students, faculty, staff and guests present. We were proud to name three new Graduates of Distinction, **Bill Dorough**, Livestock Director of the Arkansas State Fair for 30 years, **Gary Golden**, President and CEO of the First State Bank of DeQueen and **William "Bill" Clower**, retired Senior Poultry Research Manager for Campbell Soup Company. All three are excellent career models for our students to study and emulate.

The faculty continue to be recognized on campus and nationally. **Dr. Wayne Kellogg** was named a Fellow of the American Dairy Science Society, an honor presented to only a few each year. **Dr. Jason Apple** received the Gamma Sigma Delta Research on campus, the American Society of Animal Science Meats Research Award and was named Man of the Year by the Northwest Arkansas Cattlemen's Association. **Dr. Hayden Brown** received the Justice award for Teaching Excellence from the Bumpers College. Also honoring teaching excellence, **Dr. Charles Rosenkrans** received the 2008 faculty Gold Medal Award for mentoring undergraduate students.

Our enrollment shows steady growth in majors and also students minoring in Animal Science. We are very proud that in a period of tough investment times, the Department was actually able to award more scholarships. New scholarships from endowments established by **Dr. Dick and Ann Fulton, J.O. and Marie Parker** (PLR Farms) and from a \$250,000 addition to the **Al and Lorena Neumann** endowment were much appreciated and will help many deserving students. A total of 39 scholarships were awarded from the Department of Animal Science to continuing students and to incoming freshmen. This does not in any way reflect the total number of scholarships that our students receive because in addition to Departmental scholarships, many also have scholarships from other sources such as the Chancellor's Scholarships, College scholarships and scholarships from industry and other sources. Our freshman class for the fall 2009 semester appears to be one of the strongest in the Department's history.

Faculty News

John Jennings received the Arkansas Association of Cooperative Extension Specialists (AACES) Jeanette Roberts Memorial Award (formerly Outstanding Specialist of the Year) for 2009. This award recognizes an Extension Specialist for superior service in the performance of job responsibilities.

Charles Rosenkrans, Jr. was one of 6 members of the UA faculty honored last year for their work mentoring undergraduate students. The six received the 2008 Faculty Gold Medal Award from the Office of Post-Graduate Fellowships.

Keith Lusby was elected to the Arkansas Cattlemen's Foundation Board. This board raises funds for activities benefiting the Arkansas Cattle Industry and the Arkansas Cattlemen's Association. The board is responsible for fund raising, management and spending the Foundations assets. The board dispenses several scholarships to Arkansas students interested in careers in the cattle industry.

Jason Apple was named 2008 Man of the Year by the Northwest Arkansas Cattlemen's Association (NWACA) at an awards banquet held on December 6, 2008 in Northwest AR. This award recognized the service he has provided to members of the NWACA organization that dates back to the spring of 1996 when he presented one of his first talks in Arkansas at an NWACA meeting in Siloam Springs. Since then, Apple has worked alongside members of the NWACA on the ultrasound carcass contest in conjunction with the Benton County Fair. More recently, he assisted with a beef cattle performance/carcass contest, where steer calves belonging to Benton County young people are awarded trophies and prize money based on real-world, economically relevant growth performance and carcass attributes.

Service Awards Presented



Jeannie Hornsby, Robert Rhein and Dianna Watson



Ali Moubarak and Chris Tucker

Several Animal Science employees received awards for service at the UA Employee Awards banquet in October, 2008. The following personnel were presented awards as acknowledgement for their years of service: **Jeannie L. Hornsby** (10 years), **Robert T. Rhein** (10 years), **Christopher A. Tucker** (15 years), **Dianna L. Watson** (15 years) and **Ali S. Moubarak** (20 years).

Check out History of the Animal Science Department Posters on our Web Site

Beth Kegley presented posters that depict the history of the Animal Science Department at the joint ADSA/ASAS meeting held in 2008 in Indianapolis. You can view these posters through a link at the Animal Science web site or at <http://animalscience.uark.edu/2806.htm>

Outstanding Students Recognized

Outstanding student awards were presented by **Dr. Wayne Kellogg** at the Department of Animal Science Awards and Scholarship Luncheon on April 15. **Courtney Moon** was recognized as the Outstanding Freshman Student; **Matt Rowe** as the Outstanding Transfer Student; **Amy Guernsey** as the Outstanding Undergraduate Student; **Jana Reynolds** as the Outstanding MS Student; and **James Caldwell** as the Outstanding PhD Student.



From left: Courtney Moon, Matt Rowe, Amy Guernsey, Jana Reynolds, and James Caldwell.

Courtney Moon is a Pre-Vet major from Ft. Smith. She is actively involved with the Block and Bridle Club. She was recently a member of the State Champion Bowling Team. She was the Drum Major in the Ft. Smith Southside Rebel Band.

Matt Paul Rowe of Neosho, MO attended East Newton High School in Granby, MO. He attended Crowder Community College in Neosho before transferring to the University of Arkansas. Matt was very active in high school FFA Chapter. He served 2 years as Sentinel. He judged every year and competed at the state level all 4 years. He received his State FFA Degree and his American Farmer Degree in addition to winning several area proficiency awards. Matt also attended Missouri Boy's State in 2005. While at Crowder, Matt participated in Aggie Club, PAS, and was on their livestock judging team. He has coached a local grade school basketball team in Granby, MO from 2005-2007. Currently, Matt is serving on the Newton County Extension Council which helps oversee the business of the County Extension Office and 4-H program.

Amy Guernsey grew up in Joplin, MO and graduated from Joplin High School in 2005. Soon after, she ventured south to pursue an Animal Science degree at the University of Arkansas. She has made the most of her time as a Razorback, enjoying football games, exploring Devil's Den State Park and staying active in the Pre-Vet and Block and Bridle clubs. Additionally she has worked in the Animal Science Nutrition Laboratory, a local veterinary clinic, and completed an internship in the Edinburgh Zoo (Scotland). Amy is finishing an undergraduate honors research project funded by the Dale Bumpers College of Agricultural, Food, and Life Sciences and the University of Arkansas Honors College. After graduation she will be attending veterinary school at Kansas State University with the hopes of becoming either a mixed or zoo animal medical practitioner.

Jana Reynolds is from Fayetteville, AR and is the youngest daughter of Charles and Mary Frances Reynolds. She began working in the Parasitology lab with Drs. Yazwinski and Tucker in the fall of 2005 and began work on an MS degree in the fall of 2006. She has assisted with research trials involving cattle, goats, turkeys and chickens. She is a member of the American Registry of Professional Animal Scientists. After completing her degree she hopes to have a career in the livestock industry focusing on production.

James Caldwell was raised on a beef and tobacco farm in southern Ohio. This background instilled in him an appreciation for how to properly handle and manage livestock and the work ethic that went along with having his own tobacco operation. He received a BS degree in agriculture from Morehead State University. During that time he also worked at a local Farmer's cooperative as a commercial herbicide applicator. After graduation, he came to the UA to pursue his MS degree in ruminant nutrition with an emphasis on forage management. While here, James has made the most of his graduate experience. He has assisted many other graduate students and faculty alike with their projects, even those outside of his discipline. Because of his background, he has been the one to call when others needed help with livestock or equipment. While here, he has authored or co-authored 4 refereed journal articles, 2 proceedings papers, 15 scientific abstracts, and 16 departmental reports. Numerous others are pending or in preparation. His professional goal is to work as an extension specialist when he finishes his PhD degree.

Holly Minard Receives Senior Scholar Award



Holly M. Minard, the daughter of Harry Minard and Susan Lott of Shreveport, La., received the Senior Scholar Award at the Bumper's College Honors and Awards Banquet on April 16. This award signifies a 4.0 grade point average with some credit hours from other colleges. She is an Animal Science major in the pre-veterinary medicine program and was a summer intern at the Royal School of Veterinary Studies in Edinburgh, Scotland. She will attend University of Missouri - Columbia College of Veterinary Medicine. Last year she received the Presidential Scholar award which is presented to the student with the highest grade point average after having earned at least 45 credit hours.

College Ambassadors

Animal Science students **Kaitlin Mitchell** and **Chelsey Ahrens** served as Bumpers College Ambassadors for the 2008-2009 school year. Kaitlin is from Sheridan and Chelsey is from Lamar.

Objectives of the College Ambassadors are: to encourage leadership, teamwork and cooperation among student groups within the Dale Bumpers College of Agricultural, Food and Life Sciences; to facilitate the sharing of ideas and resources among student groups by attending or participating in club events and meetings; to serve as representatives of the Bumper's College and enhance recruitment activities college-wide; to educate the student population on the goals and activities of the student organizations within the college; and to learn valuable leadership skills through interaction with student leaders and members of the agricultural and academic communities.

Scholarship Winners

The following scholarships were presented by Dr. Rick Rorie at the Departmental Awards and Scholarship Luncheon on April 15.

Arena Seat Scholarships

Loren Bartnicke, Little Rock
Caitlyn Emigh, Rowlett, TX
Sierra Leonard, Damascus
Patrick McFadden, Cabot

Arkansas Cattlemen's Association Scholarship

Kimberly McGuire, Fort Smith

Arkansas Beefmaster Scholarship

Crystal Ahrens, Lamar

Arkansas Brangus Scholarship

Jennifer Byrne, Dierks

C.J. Brown Scholarship

Thomas Fly, Purdy, MO

Farm Credit Services State Federation Scholarship

Keely Trusell, Fort Smith

J.O. and Marie Parker (PLR) Farms Scholarship

Whitney Downum, Springdale

Robert Felsman Scholarship

Brittany Pepper, Chelsea, OK

Richard and Ann Fulton Scholarship

Libby Lusk, Pasadena, TX

Hudson Family Scholarship

Ashley Mitchell, Clinton, MO
Chris Whitley, Hugo, OK

Carl B. and Florence E. King PreVet Scholarship

Sarah Finn, Roland
Allison Wilson, North Little Rock

Florence E. King Equine Scholarships

Stephanie O'Berg, Topeka, KS
Caroline Mallory, Little Rock

Mary S. and Paul K. Lewis, Sr. Scholarship

Ann Bartlett, Tulsa, OK

Danny Metz Scholarship

Kristen Land, Arkadelphia

Dr. A.L. and Lorena Newmann Scholarship

Kyndl Brunson, Springdale
Ashley Campbell, Muskogee, OK
Mary Dalby, Hot Springs
Courtney Hayden, Dallas, TX
Katie Howard, DeQueen
Sydney Lessig, Conway
Kendall Madson, Rogers
John Milum, Harrison
Courtney Moon, Fort Smith
Matt Rowe, Neosho, MO
Richard Salmon, Jr., Frisco, TX
Stacey Storey, Bradford
William (Nathan) Tapp, Gravette
Carolyn Yates, Judsonia

Paul R. Noland Scholarship

Daniel Keeton, Mountainburg

Jack L. Perkins Scholarship

Kaitlin Mitchell, Sheridan

Ned Purtle Scholarship

Chelsea Coffman, Valliant, OK

Ned Ray Purtle Scholarship

Daniel Martin, Morris, OK

O.T. Stallcup Scholarship

Lydney Stackhouse, Tyler, TX

Arthur Leal Recipient of the 2008 Pork Industry Scholarship

Animal Science Department student **Arthur Leal** received the 2008 Pork Industry Scholarship in the amount of \$2,500. Leal, an undergraduate

student studying nutrition, also participates in the UA's equine program within the ANSC department, where he was active

in training a horse for the Razorback Roundup Horse Auction and Tack Sale that was held November 15 in Fayetteville. The auction and sale is the largest fundraiser of the year for the Dorothy E. King Equine Program at the UA.



Chelsey Ahrens wins Farm Bureau Discussion Meet

Chelsey Ahrens, a junior Animal Science major from Lamar, won Arkansas Farm Bureau's 2009 Collegiate Discussion Meet Finals April 3 at Farm Bureau Center in Little Rock. Harry Willems, associate director of Organization and Member Programs for Arkansas Farm Bureau, presented a \$300 award to Ahrens.



As winner of the University of Arkansas discussion meet, Ahrens competed against winners from six other schools: Arkansas State University-Jonesboro, Arkansas State Tech, ASU-Beebe, North Arkansas College, Southern Arkansas University and University of Arkansas-Monticello.

The Collegiate Discussion Meet involves students in discussion of current agriculture issues and challenges them to help find solutions.



Front row from left: Kaitlin Mitchell, Allison Wilson, Ann Bartlett, Sydney Lessig, Mary Dalby, Daniel Keeton; Back row from left: Stephanie O'Berg, Libby Lush, Ashley Campbell, Sarah Finn, Kyndl Brunson, Crystal Ahrens, Keith Salmon, Katie Howard, Courtney Moon, Carolyn Yates, Nathan Tapp, John Milum, and Matt Rowe.

Block and Bridle

The Block and Bridle Club had another active year. To kick-off the fall semester, B&B, together with the Pre-Vet Club, hosted the 'Meet and Greet' picnic to facilitate camaraderie of students, faculty, and staff. A Halloween party and hayride was hosted in October.

In February, members attended the National Block and Bridle Convention held in San Antonio, TX, where they mingled with other B&B members from colleges and universities from all over the country. The event included tours of the Alamo, Graham Land and Cattle Company, and the King Ranch. Students also visited the San Antonio Livestock Exposition and had an enjoyable evening at the Rodeo.

In April, B&B again hosted the Razorback Classic, a jackpot cattle show that drew 67 youth participants exhibiting 98 head of cattle. Club members obtained outside sponsorships for cash prizes and handled all advertising and organizational responsibilities for the event. In return, they received many complimentary remarks from parents, participants, and the judge.

Also in April club members went as a group to the Arkansas Derby at Oaklawn Race Track. Students raised money for these activities by running concession stands, in cooperation with the Pre-Vet Club, at events held in the Pauline Whitaker Animal Science Center.

At the end of the spring semester, B&B hosted the second annual AgOlympics. This event included a horseshoe toss, seed spitting,

3-legged race, tug of war, and an 'ag' obstacle course race. Teams included undergraduate clubs from Sigma Alpha, FarmHouse Fraternity, the Animal Science Graduate Student Assoc, and several teams from the Equine Barn. Another popular event, held in conjunction with Ag Olympics, was the chili cook-off. Seven delicious chilies were sampled by a panel of judges and enjoyed by all in attendance. These events continue to gain popularity and attract participants from throughout the college.



At National Convention in San Antonio, from left: Janeal Yancey, Nathan Tapp, Travis Youngblood, Amy Guernsey, Crystal Ahrens, Jim Coffey, Ashley Campbell, Kameron Sullivan, Kayla Kagel, and Chelsey Ahrens.

Officers for the 2008-2009 year were President - **Nathan Tapp**, Gravette, AR; Vice-President - **Ann Bartlett**, Tulsa, OK; Secretary - **Jim Coffey**, Prairie Grove, AR; Treasurer - **Ashley Campbell**, Muskogee, OK; Reporter - **Rachel Henry**, Fort Smith, AR; Chair of Livestock Activities (Block Head) - **Chelsey Ahrens**, Lamar, AR; and Chair of Equine Activities (Bridle Head) - **Caroline**

Mallory, Little Rock, AR. Officers for the upcoming 2009-2010 year will be: President - **Ann Bartlett**; Vice-President - **Chelsey Ahrens**; Secretary - **Ashley Campbell**; Treasurer - **Kayla Kagel**, Royal, AR; Reporter - **Crystal Ahrens**, Lamar, AR; Block Head - **Daniel Keeton**, Mountainburg, AR; and Bridle Head - **Sarah Finn**, Roland, AR. The advisors for the club are **Janeal Yancey** and **Beth Kegley**.

Meats Quiz Bowl

In June 2008, the Meats Quiz Bowl Team traveled to Gainesville, FL, and represented the University of Arkansas in the American Meat Science Association Undergraduate Meats Quiz Bowl Competition and the Iron Chef RMC product development event. The team represented the University very well and proved that their knowledge of meat science and the meats industry was equal to that of their peers from other universities. In addition to the meeting they had the opportunity to tour a meat processing facility in Atlanta, GA and the Jack Daniels distillery in Lynchburg, TN.

Another highlight of the trip was the Iron Chef RMC competition. Through this activity, these undergraduate students worked with graduate students to formulate a processed product from veal. Some of the products included a veal meat ball with marinara and veal kabobs. Students also participated in the annual softball game, and **Kimberly Santos** represented the University of Arkansas in the Fun Run where she finished first among the women runners. Our students are still in communication with their new friends from RMC, and they will have more opportunities to network at the 2009 meeting. These students' experiences with the Meats

Quiz Bowl and events at the RMC will undoubtedly help to prepare them for their futures in the meat industry as well as in medicine (human and veterinary), the armed forces, business, and marketing.

Team members have very diverse backgrounds, as students from not only Animal Science have chosen to participate, but also Poultry Science and Agricultural Communications. The 2008 Meats Quiz Bowl Team included **Christopher Allen**, Garfield, AR; **Jim Coffey**, Prairie Grove, AR; **Hayle Harp**, Fayetteville, AR; **Ashley Reitzler**, Montezuma, IA; **Kimberly Santos**, Shawnee, OK; **Kameron Sullivan**, Prairie Grove, AR; **Nathan Tapp**, Gravette, AR; **Laici Wedel**, Fairview, OK; and **Ashley Young**, Camden, AR.

This June, the Meats Quiz Bowl competition will be held in conjunction with the RMC in Rogers, AR, so students on this year's team will have the opportunity to serve as hosts as well as RMC attendees.

The 2009 Meats Quiz Bowl Team will include veteran team members **Jim Coffey**, **Hayle Harp**, and **Nathan Tapp**, as well as new-comers **Crystal**



From left: Kameron Sullivan, Christopher Allen, Ashley Young, Jim Coffey, Laici Wedel, Ashley Reitzler; Kimberly Santos, Hayle Harp, Nathan Tapp, and sponsor, Dr. Janeal Yancey.

Ahrens, Lamar, AR; **Aaron Coffman**, Ola, AR; and **Keely Trusell**, Tulsa, OK.

Intercollegiate Livestock Judging Team Completes another Successful Year



From left: Joseph Zamudio, Jordan McDaniel, Coach Bryan Kutz, Michael Schultz, Jim Coffey, Brooke Ross, Taylor Gwin , and Justin Green

The Fall semester started with the National Barrow Show in Austin, MN. The students and coach were hog crazy by the time they got home. The team finished 9th. They were 4th at the Mid-South Fair, 6th at Tulsa, 1st at the State Fair of Louisiana, 12th at the American Royal and finished as the 9th best team out of 28 at the North American in Louisville, KY.

Team Members included: **Brooke Ross**, Stillwell, OK; **Jordan McDaniel**, Van Buren, AR; **Jim Coffey**, Prairie Grove, AR; **Joey Zamudio**, Alfrida, AZ; **Taylor Gwin**, Hampton, AR; **Mike Schultz**, Coffeyville, KS; **Justin Green**, Pleasant Plains, AR.

PreVet Club

Each year the Pre-Vet Club serves to familiarize students with the career field of veterinary medicine, and to assist with their application to veterinary school. The Pre-Vet club is proud to congratulate six student members on their acceptance to various veterinary schools this year. They include **Emily Howland, Amy Guernsey, Holly Minard, Tiffany Killian, Tim Troia, and Brenden Darcey**.

This year the club had a very busy schedule. They hosted representatives from three different veterinary schools at their monthly meetings, worked concession stands at several events for fundraisers, volunteered to bathe dogs at the Fayetteville Animal Shelter, and they travelled to the Tulsa Zoo to tour the veterinary facilities.

This year's officers were: President – **Holly Minard**; Vice President – **Brenden Darcey**; Secretary – **Kim Santos**; Treasurer – **Keely Trusell**; Reporter – **Emily Hickman**; Student Representative – **Catherine Breland**; and Historian – **Tiffany Killian**.



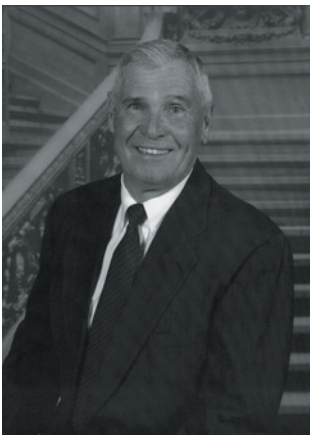
From left: President - Holly Minard; Vice President - Brenden Darcey; Treasurer - Keely Trusell; Historian - Tiffany Kellian, and Club Sponsor, Dr. Jeremy Powell.

Friends of the Department

Weldon Wynn was presented a "Friend of the Department Award" on September 11, 2008 on Senior citizen's Day at the Lincoln County Fair by Dr. Keith Lusby. Weldon Wynn is a distinguished leader in his community, his industry and the state. He has owned and operated Wynn Beefmaster Farms since 1970 and added Wynn Rice and Soybean Farm in 1994. In addition, he and his wife, **Carolyn** have owned and operated Wynn Insurance Agency, a cornerstone business formerly located in Star City in 1973, and now located in Pine Bluff, since 1999. Among the long list of his activities, past and present, are: serves on the board of directors at Pine Bluff National Bank; past board of director at Bank of Star City; emcee of the National Beef Cook-Off; member of the Financial Planning, Membership, and Marketing committees of the National Cattlemen's Beef Association; president of the Southeast Arkansas Health Foundation Board; National Beef Ambassador judge; past president and member of the board of directors for the Arkansas Fair Managers; past president and active member of the Arkansas Cattlemen's Association; vice president of the Arkansas Land of Legends; Star City Downtown Development; member of the University of Arkansas Animal Science 2000 Advisory Council; past president, treasurer, and fair manager of the Lincoln County Fair Association; past president of the Lincoln County Cattlemen's Association and the Star City Area Chamber of Commerce; and a former member of the Lincoln County Extension Service Advisory Board. Most recently he was appointed by the U.S. Secretary of Agriculture to the Cattlemen's Beef Promotion & Research Board. Weldon earned his BS Degree in Education from the University of Arkansas, where he also did his graduate work. He has received many local and regional awards throughout his careers, including Arkansas Fair Managers Hall of Fame (2000); Lincoln County Farm Family of the Year (1991); Star City Man of the Year (1991); Life Insurance Million Dollar Round Table (five years); and the National Quality Award from the Life Insurance Institute. Weldon Wynn was pivotal in providing leadership and organizing support that led to the rebuilding of the Department of Animal Science including construction of the Pauline Whitaker Animal Center, and continues to be a valued supporter and advisor to the Department. It is with great pleasure and gratitude that the Department of Animal Science names Weldon Wynn as a Friend.



John Frank Pendergrass was presented the "Friend of the Department Award" by Dr. Keith Lusby at the Arkansas Cattlemen's Convention in Springdale. Pendergrass was born and raised in the Peterpender Community in Franklin County, Arkansas. He attended the University of Arkansas, Arkansas Tech, and Ventura College, Ventura, California majoring in Agricultural Business. In 1962, he became a partner with his grandfather in Pendergrass Ranch after the untimely death of his father in 1961 and took over management of it when his grandfather retired in 1972. John formed Pendergrass Cattle Company, Inc. in 1979, partnering with his son, John Paul Pendergrass, and serves today as President, focusing on the stocker and back grounding phase of the cattle business. He also serves as President of Pendergrass Investment Company. His business partnerships include interests in Garden City Feed Yard, Dimmitt Feed Yard, and Innovative Livestock Inc. Great Bend, Kansas. John has served over 45 years on the Board of the Arkansas Valley Electric Cooperative, with three terms as President. He was appointed by President Jimmy Carter to the Agricultural Stabilization and Conservation Service State Committee. He was instrumental in the reformation of the Franklin County Cattlemen's Association and served as President in 1987 and 1988. He became President of the Arkansas Cattlemen's Association in 1994/1995 after serving in all of the positions leading to president. He served on the Arkansas Cattlemen's Foundation Board for two years, is a member of the National Cattlemen's Beef Association and was an NCBA Board Member in 1994/1995. He served on several NCBA committees and was Vice Chairman of NCBA's PAC organization. He and his wife **Kaye** have been married for 27 years and were named Franklin County Farm Family of the Year in 1986. As the ultimate recognition of their profession, Pendergrass Cattle Co. was named in 2008 as the recipient of the National Stocker Award by Beef Magazine. For all his contributions to his community, state and industry and for his strong support of the Department of Animal Science at the University of Arkansas, the Department of Animal Science is proud to name John Frank Pendergrass as a Friend.



Advanced Graduate of Distinction

William "Bill" Clower was reared in Monticello, Arkansas where he attended schools and was a football, basketball and track athlete. A 4-H Club member, his project was swine production, from which he and his younger brother developed a small commercial program which helped finance his college education. He attended Arkansas A&M College where he played football before transferring to the University of Arkansas where he graduated in Animal Science in 1952. At the U of A, he was a member of the Animal Science livestock judging team, was a member of Alpha Zeta and the Animal Industry Club. He received his M.S. Degree studying swine nutrition in 1953. He was a nutritionist for Swanson and Sons Feed and Hatchery Division and then for Campbell Soup Company after Campbell Soup purchased the company. He was Poultry nutritionist, moving to manager of mill and farm operations until 1970. From 1970 until his retirement in 1996, he rose from Poultry Research Associate to Senior Poultry Research Manager for Campbell Soup Company. A recognized leader in his field, he served as President of the Arkansas Feed Manufacturers Association and was co-founder and President of the Arkansas Poultry Nutrition Council. Since his retirement, he has worked with his cattle operation that he started in 1964. Bill has been married to his wife, **Janet** who he met at the University of Arkansas, for 55 years. They have three children, **William B. Clower, Jr, Nancy Clower Stewart, and Anne Jackson Clower**. For his lifelong accomplishments and contributions to his industry and to his University, the Department of Animal Science is proud to name **William "Bill" Clower** a Graduate of Distinction.



Award presented by Dr. Lalit Verma (right), Interim Dean of Bumpers College, and Dr. Keith Lusby, Department Head (left).

Graduates of Distinction

Bill Dorough has been promoting agriculture his whole life. Growing up, he was a junior livestock exhibitor at the Arkansas State Fair and very successful in the show ring, he had the Grand Champion Jersey Bull four years in a row. It was these early experiences that led Dorough to discover what he refers to as the "love of his life." Starting in 1973, Dorough served for 30 years as livestock director at the Arkansas State Fair. During that time, he ensured that younger generations got the same chance he had: to participate in a quality statewide competition for animal exhibition at the fair. His work with the fair and the Farm & Ranch Club of Arkansas has touched the lives of countless young people, allowing them to learn the lessons that come from exhibiting livestock, and in turn, make the most of their futures. To this day, Dorough dedicates his time and support to the Junior Livestock Program with part-time work in the fair's livestock department. However, his work with agriculture is not limited to the livestock exhibition. For 25 years Dorough owned and operated a 70-head dairy cattle operation in Sweet Home. Today, that same farm is home to a 70-head Angus cow/calf operation. In addition, he has served the agricultural community on a number of boards. He has been on the Pulaski County Farm Bureau board for more than 30 years; the Farmers' Association Co-op board, serving as president for 23 years; the NRCS Pulaski County board; Arkansas State Fair Board of Governors; and the Pulaski County 4-H Foundation, where he is vice president. Also he has been on the Cooperative Extension Service Advisory Council; the Fourche Island Drainage Commission; the International Association of Fairs & Expositions; and was an integral part in the foundation of the Arkansas Fair Manager's Association. Outside of agriculture, Dorough and his wife **Frances** are active members of the Primrose Methodist Church in Little Rock, where he has been chairman, trustee and administrator. He also has helped create a child-care facility at the church, and for many years has driven the children's Sunday School van each Sunday. Born Jan. 5, 1929, in Little Rock, Dorough is a graduate of Arkansas Tech University and University of Arkansas. He fought in the Korean War as a member of the Arkansas National Guard. The Department of Animal Science is proud to name Mr. Bill Dorough a Graduate of Distinction.



From left, Dr. Lusby, Bill Dorough, and Dr. Verma

Gary L. Golden was reared in Hope, Arkansas and graduated from Hope High School in 1968. He worked his way through college and earned his B.S.A. in Animal Science in 1974. After graduation, he returned to southwest Arkansas and began a career as a farmer and cattleman. His knowledge of the industry and reputation in the community led to his being hired as a loan officer for the Bank of Prescott. This began a successful banking career that resulted in his being named President and CEO in 2001 of the First State Bank of DeQueen, a privately held community bank in southwest Arkansas. When Mr. Golden became CEO, the bank had assets of \$32 million with two locations. As of December 31, 2008, the bank had \$135 million in assets with five locations. In a year when many banks struggled, Mr. Golden's bank had its most profitable year. Throughout his career, Mr. Golden has emphasized high personal standards, as well as leadership and participation in local and professional organizations for himself and his employees. He is a member of the Agriculture Oversight Committee of the Arkansas Bankers Association, was named a Paul Harris Fellow by the DeQueen Rotary Club, and has served as a member of the DeQueen Industrial Facilities Board and a similar role in Pike County. He has served as Country President of Cattlemen's Associations in both Nevada and Pike Counties and was elected President of the Pike County Chamber of Commerce Board. Gary is a strong supporter of the Animal Science Department and the University and is a regular guest lecturer in the career development class. He and his wife **Gaywyn Cox Golden** were married in 1971 and have two children and one granddaughter. For his lifelong accomplishments and contributions to his industry and to his University, the Department of Animal Science is proud to name Gary L. Golden as a Graduate of Distinction.



From left, Dr. Lusby, Gary Golden, and Dr. Verma

Mike Looper receives Young Animal Scientist Research Award

On February 2, 2009, animal scientist **Dr. Mike Looper (BS '92; MS '94)** was presented the 2009 Young Animal Scientist Research Award at the American Society of Animal Sciences - Southern Section Meeting in Atlanta, GA. Since the awards inception in 1982, Dr. Looper is only the second scientist to be presented with the Young Animal Scientist Research Award and the Young Animal Scientist Education Award which he received in 2006.

Dr. Looper began his professional research and education career at New Mexico State University where he was an Assistant Professor and State Dairy Extension Specialist for three years. Mike funded a portion of his teaching and research program through grants totaling almost \$700,000. After moving to USDA - ARS in Booneville seven years ago as a Research Animal Scientist, Mike has continued his excellent research program. His brief career has resulted in over 253 authored or coauthored publications as well as numerous presentations at regional, national, and international scientific forums. Mike has been invited to present over 17 seminars on various livestock-related topics throughout the U.S. In addition, Mike's diverse service record includes: American Society of Animal Sciences national and Southern section committees, reviewer for a few of USDA's competitive grants programs, panel member for USDA 1890 capacity building grants program; and currently serves as a section editor for Journal of Animal Science (2nd term), and a member of the editorial board for Professional Animal Scientist. As suggested by his editorial responsibilities and research record, Mike has established a nationally recognized research and education program which is consistent with the intent of this award.



**Amy Guernsey
and
Holly Minard
Winners of Gamma Sigma
Delta Student Competition**

Amy Guernsey and **Holly Minard** were first place winners in the Gamma Sigma Delta Student Oral and Poster Presentation Competition in March. **Amy** was winner of the Undergraduate Oral Presentations. Her presentation was titled "Effects of intro-nasal or oral administration of a zinc solution on health and growth performance of newly-received stocker cattle." Co-authors were E.B. Kegley, J.G. Powell, D.L. Galloway, A.C. White, and S.W. Breeding. **Holly** was winner of the Undergraduate Poster Presentations. Her poster was titled "Use of lactate dehydrogenase genetic polymorphisms as a marker of equine immune function." Co-authors were S. Reiter, C. Bokina and C. Rosenkrans, Jr.

**Students Initiated into
Gamma Sigma Delta**

Undergraduate students **Kyndl Brunson**, **William Motsenbocker**, **Clifton Reese** and **Sarah Finn** were initiated into Gamma Sigma Delta, The Honor Society of Agriculture, at the Annual Initiation and Awards Presentation on March 24.

**Brent Koonce
and
Tifanie Silver
Published in Discovery**

Brent Koonce and **Tifanie Silver** had articles published in Vol. 9, Fall 2008 "Discovery," The Student Journal of the Dale Bumpers College of Agricultural, Food and Life Sciences. **Brent's** article was titled "Impact of stressing a pen mate on physiological responses of growing pigs." Co-authors were Beth Kegley, Doug Galloway, and Jason Apple. **Tifanie's** article was titled "Investigating current efficacies of several nematocides for use in cattle according to the fecal egg count reduction test." Co-authors were Chris Tucker, Jeremy Powell, Jana Reynolds, Zelpha Johnson, Bill Lindsey, Pete Hornsby, and T.A. Yazwinski.

**ASAS
Scholastic Achievement
Award Winners**

These awards from the American Society of Animal Science (ASAS) are presented to students who rank scholastically among the top 10% of their class, are of good moral character and intend to pursue a career in Animal Science. Dr. Hayden Brown made the presentations.



Sophomores from left: Ann Bartlett, James Jones, Daniel Keeton, and Courtney Moon. Not pictured: Caroline Mallory



Junior: Sarah Finn. Not pictured: Nicole Thomas



Seniors from left: Caitlin Barnett, Brenden Darcey, Amy Guernsey, Amanda Leonard, and Holly Minard. Not pictured: Yuka Ishii, Tabitha Lacy, William Motsenbocker, and Kayla Shrum

Alumni News

Dr. Jerry Rakes (BSA '55; MS '56) has published the book *My Benton County Hero*. Dr. Rakes is professor emeritus from the Animal Science Department. He has also received recognition from Iowa State University for his research on calcium. He and his wife have celebrated their 58th wedding anniversary. He was named an Advanced Graduate of Distinction by the department last year.

Bob Spears (BSA '62) was inducted into the Arkansas Agriculture Hall of Fame during the 21st annual induction luncheon in Little Rock on March 13. Spears is known for his contributions to the Arkansas dairy industry as well as construction of the first rapid-exit parallel milking barn in the state and the use of a computer chip to monitor each cow's production capacity. He was elected as the first president of the Arkansas Dairy Federation. He was named a Graduate of Distinction by the department last year.

J. O. Gibson, Jr. (BSA '54) died Sep. 25, 2008 after a long illness. He was retired from the Extension Service where he was an area specialist. He is a Graduate of Distinction of the department.

Dr. John W. Goodwin of Fayetteville died Oct. 25, 2008 in Vici, OK. Dr. Goodwin was a former vice-president for agriculture at the University of Arkansas system, where he oversaw the operations of the Arkansas Agricultural Experiment Station, Arkansas Cooperative Extension Service and the colleges of agriculture. He served as president of Oklahoma Panhandle State University from 1995 until his retirement in 2002.

Dr. Howard P. Peterson (MS '64) died July 31, 2008 after a short battle with cancer. He attended Milton College in Milton, Wis. He graduated from the University of Illinois in 1956 with a Doctor of Veterinarian Medicine. He was an assistant professor in the Department of Animal Sciences for 35 years where he specialized and conducted research with large animal reproduction. He is survived by his wife and 4 children.

Scott William Spreen (BSA '85; MS '86) died Aug. 3, 2008 in Des Moines. Most recently, he worked for the Greater Des Moines Partnership, as director of the Iowa Agribusiness Export Partnership.

What's New With You?

Tell us what is going on with your life and career. Classmates like to know what other classmates are doing! Here's your chance to share it all with Animal Science Alumni and Friends. This information will appear in an upcoming Animal Science Newsletter.

NAME: _____

CLASS OF: _____

MAILING ADDRESS: _____

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FAMILY MEMBERS: _____

NEWS: _____

Send to: Newsletter Editor, B106
Animal Science Department
University of Arkansas
Fayetteville, AR 72701

or Fax to: (479) 575-7294

Dr. Ahmad Aman receives Dato honor

The honor or title of Dato can only be conferred by a hereditary Royal ruler of one of nine Malay states. Its prestige is similar to that of being appointed to the British knighthood.

Dr. Ahmad Bin Aman (MS '76; PhD '79) was born on August 24, 1945 in Bentong, Pahang, Malaysia. Dr. Aman received the Diploma of Agriculture from the College of Agriculture in Malaysia in 1972, and the Bachelor of Science in Animal Science from Louisiana State University in 1974. He received his MS and PhD degrees in Animal Breeding and Genetics from the UA. He served as a Research Officer for the Malaysian Agriculture Research and Development Institute from 1979-1980; as Head of the Malaysian Agriculture Research and Development Institute research center in Bukit Ridan, Malaysia from 1980 to 1984; and as Head of the Malaysian Agriculture Research and Development Institute, Pahang, Malaysia from 1984 to 1999. He also was Director of the Agricultural Experiment Station, Sultan Qaboos University, Sultanate of Oman from 1998 to 1999. He served as a consultant to the RAH Corporation in Malaysia from 2000 to 2001; as Director of the Green Lion Group Corporation, Malaysia in 2001; and from 2002 to the present as a member of the Board of Directors, Far East Holding Berhad, Malaysia. He has also served as Assistant Professor, Department of Biomedical Science, Faculty of Science, at the International Islamic University, Kuala Lumpur, Malaysia from 2003 to the present time. He was distinguished as a Visiting Fellow, Fulbright Malaysian American Fellowship, Department of Animal Science, Cornell University, Ithaca, NY from 1993 to 1994. He is a lifetime member of the Malaysian Society of Animal Production; a member of the Malaysian Society of Genetics, and a member of the Malaysian Fed Resources Committee. Dr. Aman received the Pingdat Khidmat Cermelang Excellent Merit Award, Pahang in 1987 and the Khidmat Cermerlang Excellent Merit Award from the Malaysian Agriculture Research and Development Institute in 1999. He has participated in numerous national and international meetings and has written more than 45 research publications.



Dr. Ahmad Aman is an Advanced Graduate of Distinction for the Department of Animal Science.

Newsletter Editor
Department of Animal Science
University of Arkansas
Fayetteville, Arkansas 72701

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