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Greetings from Purdue University Animal Sciences

On behalf of the Department of Animal Sciences, I am pleased to provide you with our annual newsletter that highlights our activities in 2009. As many of you know, this has been a year of change. Dr. Alan Grant was selected Dean of the College of Agriculture and Life Sciences at Virginia Polytechnic Institute and State University beginning October 1. We certainly “thank Dr. Grant” for his great leadership and accomplishments during his years at Purdue as a faculty member and department head. We wish him great success in his future endeavors. I am privileged and humbled to be able to serve as an interim head during this time of transition in a search for the next department head. We have great faculty and staff which I am very proud of, and I appreciate the support of agriculture administration, stakeholders and alumni.

We continue to have an excellent enrollment of more than 600 undergraduates and 65 graduate students pursuing degrees. Even though we are experiencing a very difficult economy, placement of our students is at nearly 90% for the 10th consecutive year, with 37% continuing their education in graduate school or veterinary medicine. Our Animal Sciences students continue to provide leadership and service activities on campus and throughout the community. In addition, many of our students are being awarded for their academic and leadership achievements here at Purdue and through our national organizations. Some of these achievements are described in the following pages.

Dr. Jon Schoonmaker, assistant professor of beef cattle nutrition and management, joined our faculty this past year. His research interests are in lifetime nutritional factors affecting intramuscular fat deposition, muscle growth, health status, and production efficiency in beef cattle. Our faculty and staff have been very productive and honored for their achievements. Among award recipients are Dr. Scotti Hester as a Fellow of the Poultry Science Association; Dr. Todd Applegate awarded the AFIA Poultry Nutrition and Maple Leaf Farms Duck Research Awards; Dr. Joe Garner awarded the Poultry Science Early Achievement Award; Dr. Ron Lemenger received the PUCESA Special Extension Award; and Dr. Mark Russell received the PUCESA Visionary Leadership Recognition Award. Dr. Ryan Cabot and Dr. Zoltan Machaty were promoted to Associate Professor.

Even though we are in challenging times, I am proud of our faculty and staff. They are a great team who excel in learning, discovery and engagement. Our goal is to conduct research that will meet the needs and demands of society and provide our students and stakeholders with transformational learning opportunities that will help them be successful.

We are proud of the many accomplishments and recognitions of our Animal Sciences Alumni. Please read about their recognitions in the following pages. You are our greatest ambassadors to share with others in your circle of influence about the Department of Animal Sciences at Purdue University. We are very grateful for your loyalty and continued support in so many countless ways. You are always welcome to visit the Department of Animal Sciences at any time to learn more about our faculty, staff, and students as well as our many programs. Our door is open to greet you!!! Stop by and see us soon.

GO BOILERS!!!

Animal Sciences Department Head Alan Grant leaves Purdue

Dr. Alan Grant, Animal Sciences Department Head, became Dean of the College of Agriculture and Life Sciences at Virginia Tech on October 1, 2009.

Dr. Grant joined the Purdue Animal Sciences faculty in 1990 in the Animal Growth and Development area. His research program focused on the study of animal growth that leads to strategies for increasing the efficiency of lean meat production and utilization. He was selected as a University Scholar in 2001, and has received several teaching awards. He served as interim Department Head for a year before becoming Department Head on July 1, 2002.

Virginia Tech’s Senior Vice President and Provost Mark McNamee stated, “Alan Grant has an impressive record of teaching, research, outreach, and administrative accomplishments. I am excited about his vision for future growth and development of the college, which will ensure the college’s continued excellent standing among its peers. He will build on the organization’s strong foundation to further grow our programs for agriculture and the environment, food and health, life sciences, and learning.”

Dr. Grant grew up on a dairy farm in New York. He received his B.S. from Cornell University, and his M.S. and Ph.D. from Michigan State University. He served as a Visiting Scientist at the Medical Research Council, Imperial College School of Medicine, London, UK.

Acknowledgment
The Newsletter Student Editor is Ariel Case. The Newsletter Committee members include Chairs, Donna Lofgren and Barry Delks, Pat Jonas, Diane Patterson, Monica Elmore, and Phil Reid.

We hope this Newsletter will increase your enthusiasm and ignite your pride in the exciting research, extension, and educational programs taking place in Purdue Animal Sciences. It is designed to provide information to our many alumni, students, staff, and special friends. We would be delighted if you would send us your updates - see page 15.
2009 Distinguished Animal Sciences Alumni Awards

The Distinguished Animal Sciences Alumni Award honors lifetime, mid-career and early career Purdue Animal Science graduates. The recipients have demonstrated excellence in the animal science industry, academia, governmental service, or other endeavors as exemplified by leadership, community service, and professional accomplishments. Six Animal Sciences alumni were recognized by the Department of Animal Sciences on November 13, 2009.

Early Career Recipient

Bradley V. Lawrence, of Plattsburg, Missouri, received his master’s degree in 1994 and his doctoral degree in 1997 from Purdue. Upon earning his doctoral degree, Lawrence was employed by Hubbard Feeds Inc. where he provided leadership in the company’s swine nutrition research program. In 2005, Lawrence left Hubbard Feeds to join Bushranger Ingeheim Vetmedica Inc. (BIV) as a technical sales consultant in medicated feed additives and technical manager in swine health and nutrition. Lawrence now works for NOVUS International Inc. as the technical services manager in the pork business unit where his primary emphasis is on gastrointestinal tract environment modification, amino acids, and mycotoxin management. Lawrence is a member of the American Society of Animal Science, has presented numerous papers and oral presentations at Purdue Swine Days, was an instructor in Introduction to Animal Science and was a teaching assistant for Animal Nutrition.

Matthew E. Wilson, of Morgantown, West Virginia, earned his bachelor’s degree from Purdue in 1994. After obtaining his doctoral degree from Iowa State University in 1999, he accepted a Post-Doctoral Research Fellow position at West Virginia University (WVU). In 2002, Wilson became an assistant professor in the Division of Animal and Veterinary Sciences at WVU. He conducts studies on the effects of growth hormone and uterine IGF-1 on conceptus development, placental function and post-natal growth and development in sheep and investigates mechanisms that regulate nutritional influences on progesterone catalabolism. In 2008, Wilson was promoted to associate professor and given tenure at WVU. He has co-authored three book chapters, five conference proceedings, 52 refereed journal articles, 61 abstracts and 11 technical publications. Because of his efforts, Wilson has received the Outstanding Junior Faculty Award of Merit from the West Virginia Chapter of Gamma Sigma Delta in 2005 and the Northeast American Society of Animal Science-American Dairy Science Association Young Scientist Award-Research in 2006.

Mid-Career Award Recipients

Kirk C. Klasing, of Davis, California, received his master’s degree from Purdue in 1979 and a doctoral degree from Cornell University in 1982. Klasing taught at the University of Illinois upon receiving his doctoral degree and conducted research work for the USDA. In his career, Klasing has been awarded the Bioserve Award, the Milt Sunde Research Award given by the American Institute of Nutrition, and the Lily Foundation Animal Research Award. Klasing is currently a professor of comparative animal nutrition in the Department of Animal Science at the University of California-Davis and serves as the president of the Comparative Nutrition Society.

Billy R. Baumgardt, of West Lafayette, Indiana, earned his bachelor’s and master’s degrees from Purdue. After receiving his doctoral degree from Rutgers University, Baumgardt taught and conducted research in nutrition and physiology at the University of Wisconsin and Penn State University. Baumgardt went on to become the head of the Department of Dairy and Animal Science at Penn State University for eight years. In 1980, Baumgardt returned to Purdue to lead the Agricultural Research Program as Director of the Experiment Station. He has been awarded the American Feed Manufacturers Association Nutrition Research Award, the Award of Honor and the Distinguished Service Award from the American Dairy Science Association, and the John E. Wilkinson Award for Administrative Excellence from Penn State University. Baumgardt also was elected as a Fellow of the American Association for the Advancement of Science and the American Society for Nutrition. He served as president of the American Dairy Science Association and was a representative for the USDA Joint Council on Agricultural Research and chair of the Agricultural Biotechnology Council. In addition, Baumgardt received the Distinguished Service Award from the Purdue Ag Alumni Association and was recognized as a Sagamore of the Wabash.

Patricia L. “Patsy” Houghton, of McCook, Nebraska, earned her doctoral degree from Purdue in 1986. In 1990, Houghton formed Heartland Cattle Co., a professional heifer development and research center. She serves as president and general manager, and has pioneered custom and contractual heifer development along with artificial insemination breeding programs. In 2006, Houghton became the sole owner of Heartland Cattle. Houghton has served as a leader in youth education, an instructor at Purdue, and a beef cattle Extension Specialist at Kansas State University. She has been awarded the American Society of Animal Sciences Outstanding Agribusiness Award and was named the Certified Angus Beef Feedlot Partner of the Year.

Lawrence D. Muller, of University Park, Pennsylvania, earned his doctoral degree from Purdue in 1969, where he went on to serve as assistant professor for two years. He then moved into a teaching/research position at Penn State University, where he has taught for 33 years. Muller served as president of the American Dairy Science Association (ADSA). He received nine different awards from ADSA for teaching, research and service, and received three different teaching awards at Penn State. He and his colleagues and students published 133 refereed journal articles in dairy management, nutrition and education areas, along with many Extension publications. During his career Muller traveled to more than 15 countries to give presentations to researchers, educators and producers.
2009 Distinguished Agricultural Alumni Award

The Distinguished Agricultural Alumni Award honors mid-career Purdue Agriculture graduates who have made significant contributions to their profession or society in general and have a record of outstanding accomplishments. One Animal Sciences alumnus was recognized by the College of Agriculture and the Department of Animal Sciences on March 6, 2009.

Christopher D. Knight, of St. Charles, Missouri, received his M.S. and Ph.D. degrees in Animal Sciences (monogastric nutrition) in 1977 and 1981, respectively. Following graduation, Knight began his career as a Research Specialist and Group Leader with Monsanto Company. Progressing rapidly through the ranks at Monsanto, he is currently Vice President for Research and Development at Novus International Inc., the division spun off when Monsanto reorganized. There he develops innovative feed products and works to improve their use with farm animals. He helped Novus expand from poultry nutrition research into product development for swine, ruminant, aquaculture, companion animal and equine markets in the United States, China, Brazil and Vietnam. Knight received Purdue’s Animal Sciences Distinguished Mid-Career Alumni Award in 2006.

Faculty and staff awards

Dr. Amy Lossie was named an Entrepreneurial Leadership Academy Fellow for 2009-2010. Through the Entrepreneurial Leadership Academy, through Discovery Park’s Burton Morgan Center for Entrepreneurship, faculty members learn how to incorporate entrepreneurial concepts into their programs and identify potential commercial opportunities. Faculty also meet with distinguished administrators and leaders to discuss topics critical to the development and support of leadership and entrepreneurial skills. Faculty members who complete the 2009-10 program each receive a $5,000 development award and gain access to Discovery Park staff, equipment and resources.

Dr. Mark Diekman received the Outstanding Advisor award from the Purdue Academic Advising Association (PACADA). Mark has coordinated the advising in ANSC since 1995, currently coordinating the advising of 600 students among 21 faculty advisors and advising 150 students himself.

Dr. Alan Sutton received the Fellow Award in the extension category from ASAS during the ASAS/ADSA/CSAS meeting in Montreal. Alan was recognized for his significant achievements in animal sciences and for his contributions to ASAS and FASS.

Dr. Todd Applegate received two awards at the Poultry Science Association annual meeting in Raleigh, North Carolina. He received the American Feed Industry Association Poultry Nutrition Research Award, which is given for distinctive work demonstrating sound research in poultry nutrition in the last 10 years. He also received the Maple Leaf Farms Duck Research Award. This award is given to stimulate and reward research with ducks and improve the knowledge base of science as applied to commercial duck production.

Dr. Joseph Garner received PSA Early Achievement Award for Research at the Poultry Science Association annual meeting in Raleigh, North Carolina. This award is given to recognize the achievements of PSA members in the early stages of their careers in poultry research.

Dr. Scotti Hester was named a Fellow of the Poultry Science Association at the annual meeting in Raleigh, North Carolina. The status of Fellow recognizes members of the Poultry Science Association for professional distinction and contributions to the field of poultry science. Several faculty were recognized with Purdue University Cooperative Extension Specialist Association (PUCESA) awards. Dr. Alan Sutton received the Career Award. Dr. Ron Lemenager received the Special Extension Award. The Purdue Concentrated Animal Feeding Operation (CAFO) Team received the Team award. Members included Drs. Paul Ebner, Alan Sutton, Alan Grant, and Tamilee Nennich. Dr. Mark Russell received the Epsilon Sigma Phi Visionary Leadership Recognition Award.

Dr. Scott Radcliffe was honored twice by Virginia Tech. He received the Department of Animal Science Outstanding Recent Alumni Award and the College of Agriculture and Life Sciences Outstanding Recent Alumni Award. He received his B.S., M.S., and Ph.D. degrees from Virginia Tech.

The Integrated Corn Ethanol Co-Products team won the 2009 Purdue Agriculture TEAM Award. The team is an applied research and extension rapid-response effort conducted by more than 40 faculty and staff from six departments. The team organized to address issues surrounding the increasing production of dry distillers’ grains with solubles (DDGS) from the corn ethanol industry. Projects have included research in the DDGS production process, impacts of DDGS as an animal feed ingredient, and the economics of its use. Team members from Animal Sciences were: Tayo Adedokun, Layi Adeola, Todd Applegate, Matthew Claey, Shawn Donkin, Patrick Gunn, Zhengyu Jiang, Scott Lake, Mickey Latour, Ronald Lemenager, Michael Neary, Scott Radcliffe, Brian Richert, Allan Schinekel, Nicole Schmelz, Lauren Snyder, Alan Sutton, and Catalina Troche.

Dr. Kern Hendrix was awarded the Robert C. Peterson Lifetime Achievement Award at the annual awards dinner of the Indiana Beef Cattle Association.

Barry Delks received the Outstanding Service to Students award from the College of Agriculture.

Drs. Zoltan Machaty and Ryan Cabot were promoted to Associate Professor of Animal Sciences.
Faculty and staff international participation and projects

Dr. Dale Forsyth’s online course, Principles of Animal Nutrition, has been or is being taken by students internationally from 12 foreign countries: England, Puerto Rico, Canada, Singapore, Kyrgyzstan, Scotland, Hong Kong, Cyprus, India, Germany, Denmark and Virgin Islands.

Dr. Scott Radcliffe hosted an undergraduate as part of the summer research program collaboration with Zhejiang University. He presented an invited talk in July at the ADSA/ASAS/CSAS Joint Annual Meeting in Montreal, Canada, on “Macromineral interactions”. He presented an invited talk in August at the EAAP meetings in Barcelona, Spain, on “Impact of competition between biofuels, food and feed and its impact on the livestock industry: U.S. Perspective”. He presented two invited talks in November at the ASAS-CAAV Pacific Rim Conference in Beijing, China, titled “International Opportunities for Students” and “Application of new advances in digestive physiology as they apply to swine nutrition”.

Dr. Bill Muir gave an invited presentation at the International WIAS-Symposium, Friends or Friends: Consequences of social interaction for artificial breeding programs and evolution in natural populations, on “Group Selection in Poultry, a History and a Future”, in Wageningen, the Netherlands, in July. He was an external examiner, Wageningen University, the Netherlands, for Esther Ellen, Ph.D. 2009. He initiated a 5-year international genomic selection program in poultry with Hendrix Genetics, Boxmeer, the Netherlands.

Dr. John Patterson hosted a visiting scientist from the Sudan, Selma Ali Bashir, from October 2009 to February 2010.

Dr. Heng-wei Cheng hosted nine Chinese students from the College of Animal Science and Technology, Zhejiang University, China for the 2009 Summer Research Program for Chinese Students.

Dr. Todd Applegate spent his sabbatical leave June 2008 to May 2009 in conjunction with the Institute for Agrobio-technology in a technology park in Tulln, Austria working on strategies to maintain intestinal health of poultry without sub-therapeutic antibiotics. International talks in 2009 included: (1) Workshops on poultry industry overview and intestinal health strategies in Herzogenburg and Tulln, Austria, in January, February, and March; (2) Barrier functions of the broiler intestine, maintenance, cost, and influence of feed additives, at Gruppo Veronesi, Verona, Italy, in May; (3) Use of pre- and pro-biotics in broilers at AveExpo, Foz do Iguacu, Brazil and two additional talks in Brazil in August; and (4) Application of ileal digestible amino acids in poultry nutrition, at the Western Nutrition Conference, Winnipeg, Manitoba, Canada, in September. While in Austria, he co-advised a Biotechnology Master’s student from the University of Natural Resources and Applied Life Sciences, Vienna, Austria. Beyond Austrian collaborations, he hosted a University of Madrid graduate student for 3 months (July through September) and a visiting scientist from University of Khartoum, Sudan for six months.

Dr. Zoltan Machaty traveled in Asia in October 2009. He visited the National Institute of Livestock and Grassland Science in Tsukuba, Japan to discuss collaboration on calcium signaling in oocytes. He was an invited speaker at the departmental seminar at the National Agricultural Research Center for Tohoku Region, Morioka, Japan. He was an invited speaker at the 9th International Symposium on Developmental Biotechnology held in Daejeon, Korea. He was an invited speaker at the departmental seminar at Chungbuk National University, Cheongju, Korea.

Facility News and Updates

Dr. Ed Pajor left the department to become Professor of Animal Welfare at the University of Calgary Faculty of Veterinary Medicine, Department of Production Animal Health.

Administrative Professional, Clerical and Service Staff Honored:

- 35 years - Mel Matheson (Feed Mill Manager) and Carol-Ann Reisert (Programmer, Statistical Analyst)
- 30 years - Dennis Linder (Farm Operations) and Barbara Probasco (Secretary)
- 25 years - Shelly Gamble (Business Office), Darrel Johnson (Product Inspector, Indiana State Egg Board), Gerald Kelly (Sheep Unit Manager), Donald L. Smith (Swine Unit Assistant Manager) and Gary Waters (Meat Lab)
- 20 years - Mike Neary (Sheep Extension Specialist)
- 15 years - Diane Hoffman (Dairy Unit) and Mike Zeltwanger (Farm Operations)
- 10 years - Bob Albrecht (Executive Director, Indiana State Dairy Association) and Scott Ratliff (Product Inspector, Indiana State Egg Board)

New Faculty:

Dr. Jon Schoonmaker, Assistant Professor, Animal Sciences was raised in southern Wisconsin. He received his B.S. in Meat and Animal Science from the University of Wisconsin-Madison, and his M.S. and Ph.D. from The Ohio State University in the area of ruminant nutrition/beef cattle nutrition. Following a short stint in the animal feed industry, he completed post-doctoral studies at Iowa State University investigating the genetic regulation of fatty acid metabolism and deposition in beef and dairy cattle. Jon’s research interests are lifetime nutritional factors affecting intramuscular fat deposition, muscle growth, health status, and production efficiency in beef cattle. He will develop research and teaching programs in the beef cattle nutrition area in Animal Sciences.
Dr. Shawn Donkin joined the Animal Sciences faculty more than 14 years ago and is currently researching the relationship among liver function, productivity and health on dairy cattle nutrition.

Donkin researches productivity, liver function in dairy nutrition

By Lynn Pezzanite, Animal Sciences Ambassador

Dr. Shawn Donkin joined the Purdue Animal Sciences faculty in 1995, specializing in ruminant nutrition and physiology.

Dr. Donkin received a B.S. degree from McGill University. Upon graduation he was employed in the livestock feed industry and then later as herdsman on a commercial dairy operation in Nova Scotia. He went on to pursue graduate studies in animal sciences, earning an M.S. from The Pennsylvania State University and a Ph.D. from University of Wisconsin-Madison. He also received post-doctoral training at The Pennsylvania State University and University of Wisconsin-Madison before joining the faculty at Purdue.

Dr. Donkin’s research primarily focuses on dairy cattle nutrition and the relationships among liver function, cow productivity, and health. His knowledge of nutritional biochemistry and physiology has enabled him to broaden his research to also determine the impact of nutrition on human health, specifically in regard to obesity and diabetes. Current cow studies in his laboratory investigate the role of nutrition to improve health of dairy cattle during the transition to lactation. Excessive accumulation of fat in the liver around the time of calving affects 30% of all cows in the US dairy industry and negatively impacts cow productivity. Dr. Donkin’s research explores feeding management practices such as access time to feed, energy and protein density of rations, and cow behaviors such as feed sorting in order to understand the biology underlying this problem and devise practices that reduce its severity and occurrence.

Co-products of bioenergy production, such as glycerol and distillers’ grains, have potential as alternative feeds for dairy cattle. The rising cost of corn has created opportunities to explore these feeds as cost effective alternatives in dairy cattle rations. Recent research in Donkin’s lab explores the potential of glycerol as the ‘new corn’ in rations for transition and lactating dairy cattle. This research indicates that glycerol is equal to corn grain for lactating cows and may provide some additional advantages for transition cows.

Dr. Donkin is actively involved in undergraduate teaching and learning, student advising, and graduate student education. He teaches undergraduate and graduate courses, including Dairy Management, Ruminant Nutrition and Physiology, and Nutritional Biochemistry and Physiology. He serves as academic counselor to several undergraduate students in Animal Sciences, serves as the Chair of the College of Agriculture Honors Program, and is the Honors Program Coordinator for the Department of Animal Sciences.

Rostagno’s pre-harvest food safety research affects producers and consumers alike

By Caitlin Davis, Animal Sciences Ambassador

After becoming a veterinarian in Brazil, Dr. Marcos Rostagno came to the United States to conduct animal related research. Dr. Rostagno is a USDA affiliated researcher based at Purdue whose work is focused on the ecology and epidemiology of food borne pathogens. Animal well-being and pre-harvest food safety are combined to measure the effects of stress on intestinal microbes and pathogens, primarily Salmonella, in swine. Changes to the animal’s typical routine prior to slaughter - feed withdrawal and travel, for example - cause the animal stress. Dr. Rostagno and his colleagues have found that this stress increases the number of animals that are infected with Salmonella. The researchers conduct controlled field studies and laboratory work to develop their theories and then apply that knowledge to actual farm situations to ensure that the two correlate.

Dr. Rostagno works with four other scientists who have varying specialties such as immunology and microbiology to gain as much information as possible from this one-of-a-kind project. The project is unique for that reason; there is no other species-specific project like this currently being conducted. While most other porcine research is conducted on young pigs, Dr. Rostagno focuses on measuring the Salmonella infection rate and immune response in finishing pigs. As a USDA researcher, Dr. Rostagno’s findings are communicated in journals and publications.

While the current economic times are forcing limited spending elsewhere, USDA research has of-yet remained relatively unaffected. Dr. Rostagno believes this may be a bigger concern in the future as funding sources may become more restricted.

By working with pork producers in a cooperative manner, Dr. Rostagno’s research helps them to make a better product. This directly benefits consumers by minimizing the risk that the pork products they buy are infected with Salmonella, and thereby improves public health. Currently, intervention strategies using feed additives and bacteriophages are being studied for their effectiveness in reducing Salmonella susceptibility. In the future, Dr. Rostagno foresees more work being done on intestinal microecology of pathogens and antimicrobial resistance due to feed additives and nutrition.
Lossie plans to develop non-profit scientific book donation organization

By Celeste Morris, Animal Sciences Ambassador

Dr. Amy Lossie came to Purdue in 2006 to accept a faculty position, begin her own laboratory, and join a group of well-established faculty studying epigenetics, one of Lossie’s main areas of interest and the focus of her research. Epigenetics is the study of factors sitting “on top of our actual DNA” that can control when and where genes are turned on and turned off in animals, plants and even unicellular organisms. Lossie earned a Bachelor’s Degree in Cellular and Molecular Biology from the University of Michigan in 1990, a Ph.D. from the University of Florida in Mammalian Genetics in 2000, and did post-doctoral training at Baylor College of Medicine in Houston, Texas.

Epigenetic modifications can affect everything that goes on in our body. Specifically, the Lossie lab is studying how epigenetic modifications contribute to fetal loss (i.e. miscarriage and stillbirth). The research is focused understanding on how epigenetic and genetic events converge in the Notch Pathway during embryonic development, and is committed to identifying how mistakes in these processes translate to fetal loss. They can then use this information to “identify potential therapeutic interventions for epigenetic birth defects.”

Although Lossie has a lot going on in her lab, she won’t be found there all of the time. She teaches ANSC 595: Molecular Bioinformatics, a dual-level course. Also, she is a world traveler, having visited most of Europe, the Caribbean, Africa, has plans to travel to Asia soon, has recently been SCUBA certified and is often accompanied by Lola, her Belgian Malinois. She says that her personal philosophy is if you work hard, you can overcome anything - all obstacles are surmountable.

In addition, Lossie is in the process of developing a Non-Profit Organization to donate textbooks and scientific journals that would normally be thrown away to third world countries and those who don’t have access to the wealth of information that they crave. The goal of this organization is to “redistribute the literate wealth that we have in the United States.” This Non-Profit Organization was one of the recipients of Purdue’s Entrepreneurship Leadership Academy (ELA) in which 10 faculty members are given assistance to start a company or non-profit organization from the ground up. Inspired by a trip to Egypt, where Lossie met students with a thirst for knowledge, she is developing this organization to ensure that all students across the globe have access to timely scientific literature.
Leslie Carmichael has exhibited at the Indiana State Fair for 58 consecutive years and has promoted Angus cattle almost all of his life at shows across the country. Les was a founding member of the Indiana Junior Angus Association in 1959 and has continually been active and supportive in the Indiana Angus Association throughout the years. He has served many decades on the board of directors and several committees. Currently, Les serves as the Constitution and By-laws Chairman and is the parliamentary expert for the association.

As a breeder, the cow herd has not been great in numbers but has impacted the herds in the southern part of Indiana through the private treaty sales and the CAF Cindy M450 cow family has genetics in over 15 herds. Les believes strongly in phenotype and on the farm performance testing of livestock. He is a big supporter of the Indiana Beef Evaluation Program tests. Off the farm, Les and Sandy have a concession trailer that utilizes CAB beef to promote the breed of cattle.

Les graduated from Purdue University in 1963 with a B.S. degree in Animal Science and a M.S. degree in Agronomy in 1971. He worked in Extension for a short time and is an advocate for judging and other youth livestock activities. He has served as an official and stock provider for many 4-H and high school judging contests.

He has been a leader in the IBCA and received the Indiana Historic Angus Award in 2005.

Steve Nichols has dedicated his life to the education of swine and livestock producers in the state of Indiana. For over 30 years, his work emphasized the economic development for pork producers and the Agriculture Associations and fair boards across the state.

Nichols led the development of the emergency addressing system for rural areas to ensure that responders are better prepared for any emergency that might occur in Carroll County. He has served on countless state and national swine boards. A true leader and community advocate, Steve has received the Sagamore of the Wabash Award, which is the highest honor the Governor can bestow on a civilian of Indiana.

Steve has also served as a leader in the swine industry as a breeder of Duroc hogs. The hogs that he has produced have won several county and state fairs across the nation. He started raising Duroc hogs as a youth and continued while receiving his B.S. and M.S. at Purdue University and was a member of the Livestock Judging Team.

With livestock judging as a passion, Steve is now one of the most well known swine judges in the country. He has judged swine in almost every state and every major show in the nation. He is known for his great work with the youth and his fair evaluations of the livestock.

In 2006, Steve retired from the Purdue Extension Service, but continues to work closely with swine producers on their comprehensive nutrient management plans for confinement operations.

Ambassadors raise funds for student to purchase service dog

The Animal Sciences Ambassadors organized efforts last spring to raise funds to support the purchase of a leader dog through Canine Companions for Independence for one of the students in the department who is affected by epilepsy.

Canine Companions for Independence (CCI) is a non-profit organization which provides highly trained assistance dogs and ongoing support to people with disabilities.

As CCI is entirely funded by private contributions, all CCI dogs are provided free of charge. However, to receive a dog, applicants must complete a two-week long Team Training program at one of several CCI training centers across the country.

The goal of the Ambassadors’ fundraising efforts was to raise enough money to cover any expenses the student might incur while enrolled in this training program.

With the help of the Block & Bridle and Pre-Vet Clubs, the Ambassadors put on a semiformal dance for students in the College of Agriculture to directly benefit this student’s purchase of a dog. Through the proceeds from ticket sales for the dance and generous donations of College of Agriculture clubs, funds totaling $2502 were raised to cover the expenses of purchasing a leader dog for this student. We wish the best of luck to the student in his purchase of a dog.
Animal Sciences Ambassador Update

The Animal Sciences Ambassadors have been keeping busy since August! Their annual weekend retreat at Historic Prophetstown gave the members time to bond and plan upcoming events. John Madia, former Global Director in Human Resources for Dow Chemical, also joined the Ambassadors for dinner.

Fall 2009 was host to two new events this year. In September students and faculty came out to enjoy root beer floats, play a game of cornhole and visit with friends. In October a Young Alumni Bonfire was held at Dr. Mark Russell’s house. Despite the rain Ambassadors mingled and reminisced with a group of recent Animal Science graduates and graduate students. Welcoming the cooler weather, Ambassadors offered free chili to all who passed through the halls of Lilly. The Ambassadors also helped the Department purchase a new lighted display board which has already been to China with Dr. Scott Radcliffe.

The spring semester opened with an evening potluck accompanied by a networking speech by Mr. Max Bales. The night concluded with each committee presenting plans for the coming months including the second annual COA Dance, a Book-Harmon Forum featuring Elanco President, Jeff Simmons, and Boiler Barnyard. The Ambassadors will be teaming up with the Graduate Student Association at Spring Fest this year to serve food to thousands of our guests.

The ambassadors are happy to serve the department and we strive to give it a positive reputation. Our activities are aimed at recruiting new students and retaining students, assisting the department faculty and recognizing our alumni. We will be interviewing motivated, enthusiastic, servant-leaders to join the 2010-2011 Ambassador team soon. We hope to see you all at our upcoming event!
Undergraduate Student Update

By Mark Diekman, Undergraduate Program Coordinator

For the 2009 fall semester, 125 freshmen initiated their program in the Department of Animal Sciences. Eighteen transfer students also joined the Department this fall raising the total enrollment to 625. The increase in enrollment is due mainly to the influx of pre-veterinary medicine students from the College of Agriculture as we enter a transition period of moving pre-vet students to a degree-seeking program during their freshman year. The demographics of our incoming freshmen continue to change. For the 2009 fall semester, 31% of our students indicated they came from a rural, farm background; 20% from a rural, non-farm background; 33% from a suburban background; and 16% from an urban background. Nearly 85% of the Animal Sciences undergraduate students are from Indiana. During May and August, 2009, 99 students earned a B.S. degree in animal science. Six students will receive an A.S. degree in 2009 with 10 students obtaining a minor in Animal Sciences. Sixty-one Animal Sciences students will also graduate with a minor in biology, liberal arts or agricultural economics.

The most popular program is the science major (401 students) with the majority (75%) concentrating in pre-veterinary medicine. Thirty-nine students are enrolled in the production major and 86 students are enrolled in the agribusiness major. Enrollment has remained steady in the biotechnology concentration (8 students). There are 55 enrolled in the behavior/well-being concentration, and several incoming freshmen for fall 2010 indicated that they will be enrolling in this concentration.

The Department of Animal Sciences leads the College of Agriculture in the number of students that study abroad (23%). Participation in undergraduate research projects increased by 17 students over 2009. The Department offers more than 60 courses with an annual enrollment of over 2,800 students in Animal Sciences courses.

2009 Undergraduate Scholarship Awards

Lilly Scholarship: Freshman – Megan Hershey Sophomore – Heather Bradford Junior – Angela Gaesser Senior – Lynn Pezzanite

Outstanding Class Awards: Freshman – Andrew King Sophomore – Amber Courter Junior – Kathryn Bailey Senior – Nicholas Tharp

Elanco Scholarship: Elizabeth Hansen R. L. Hogue: Jennifer Jones Truman and Marjorie Martin Study Abroad: Kathryn McClain

Charles L. & Jean Rueff Award: Jared Ehlerding, Josh Nelson, Emily Robinson, Nathan Shireman – High School Jessica Wantz – High School

Frank and Wini Clark Beef Industry Scholarship: Kyle Shipman

John Henry Hinkle Memorial Scholarship: Sarah Armstrong, Michelle Berube, Xi Chen, Angela Gaesser, Erica Heideman, Thomas Hitzeman, Jian Luo, Morgan Mc Clement, Jamie Pierce, Shalyse Tindell, Kelly Tippmann, Christina Wolff

Baltzell Agri-Products Scholarship: Dara Bieli, Kallie Foust, Michelle Pollert

Keith Lotz Memorial Scholarship: Brandi Kuntz

Henry Mayo Scholarship: Brittany Blackmore, Shannon Kremer, Megan Stanley

Bratton-Webster Memorial Scholarship: Kathleen Alexander

Book-Harmon Leadership Scholarship: Lynn Pezzanite

LOUJA Undergraduate Scholarship: Ian Barnard

Eric B. Luckman Award: Abigail Morrison – High School

Richard A. Pickett Memorial Award: Danielle Bryan, Renae Davis, Christine Inman, Jennifer Lueken, Virginia Rybolt

W.A. Rafferty Livestock Leadership & Citizenship Award: Sara Ludington and Lilly Patton

Paul E. Newman Scholar Award: Ariel Case and Katie Jardina

Emerson J. Kuhn Scholarship: Aubrey Bredemeyer

Thrasher Family Award: Amber Colman, Kathleen Harrell, Evelyn Nichols, Nicole Pappe and Sara Smith – High School, Molly Sweeney

Smith-Nuerge Scholarship: Andrew King

Owen & Fran Crisman Family Award: Amanda Rose

Whitney Pavalko received two awards for her research project in developing microscaffolds for muscle stem cell differentiation. She is an ANSC senior who is conducting a research project in Dr. Kuang’s lab. She was awarded the Agricultural Research Fund Scholarship. She received a Student Travel Award at the 28th Scientific Conference of the Society for Physical Regulation in Biology and Medicine, for her presentation entitled “Effects of Polymer Scaffolding and Extracellular Matrix Proteins on Muscle Satellite Cell Differentiation.”

Nicholas Tharp was the second place winner in the Undergraduate Poster Division at the Midwest ASAS/ADSA meeting in Des Moines, Iowa. His poster was entitled “Influence of pre-cryopreservation pH and temperature on boar semen quality.” Authors were N.E. Tharp, P. Purdy, H. Blackburn, S. Spiller, and T.S. Stewart.

Katy Bailey was awarded Block and Bridle’s Outstanding Junior Scholarship Award, being selected from 19 applications from across the country awarded at the National Block and Bridle convention.

Graduate Student Association Update and Awards

The 2009-2010 Animal Sciences Graduate Student Association officers are as follows:

President: Heather Tucker
Vice President: Brianna Gaskill
Secretary/Treasurer: Tana Dennis
Fundraising Chair: Nicole Schmelz
Social Chair: Catalina Troche and Alison Angiome
Computer: Laurie Mack
Graduate Programs: Heather White
Seminar: Monica Elmore
Workshop for Youth: Collette Thogerson
Purdue Graduate Student Senator: Jean-Loup Rault
Student Outreach: Keegan Gay
Departmental Newsletter: Monica Elmore
Philanthropy: Katie-Sue Fisher

LOUJA WINNERS: (Photo on page 11) Right to Left: Drs. Alan Grant, Department Head, and Paul Collodi, Graduate Committee Chair, with LOUJA winners: Weiyi Liu, Nicole Schmelz, Lyndsey Jones, Mi Zou and Brianna Gaskill.

www.ag.purdue.edu/ansc
Graduate Student Association Highlights

By: Monica Elmore

The Graduate Student Association (GSA) had another great year in 2009! GSA was involved in many departmental activities that helped promote its mission of stimulating interest in the Animal Sciences department and promoting better student-student and student-faculty relationships. GSA kicked off the year with the annual Chili Cook-off, where staff and students brought a pot of their best chili (ranging from vegetarian to super spicy) to compete for the title of “Animal Science Chili Cook-off Champion”. Jason Fields (Lilly small animal house facility manager) took home the trophy in 2009 and on January 21 he won the 2010 cook-off as well! Many graduate students and faculty enjoyed a sugar buzz on Friday mornings thanks to the continuation of Coffee and Donuts. This event offers a great opportunity for students and faculty to mingle and enjoy a sweet treat twice a month in the spring and fall semesters.

GSA hosted a booth in the Boiler Barnyard at Spring Fest again this year, where students sold animal science merchandise (shirts, hats, and mugs) and painted children’s faces! Thanks to the help and coordination of many graduate students, the Barnyard Olympics (part of Workshop for Youth) was a success, where 4-H students learned about animal related topics through interactive games. Developmental Biology was the focus of this fall’s seminar series, where researchers presented on interesting topics, such as Xenotransplantation and limb development. Additionally, a pizza luncheon was organized with graduate students and the guest speakers, allowing the students an opportunity to network and interact with the speakers one-on-one.

In an attempt to increase participation, the annual Fall Picnic was held on a Friday evening within the Lilly Hall lobby and GSA was pleased to see such a large turnout this past year! We hope that this event will continue to grow and that you will all attend this year’s event in the fall. The philanthropy committee helped to give back to our community via a blood drive and Winterization, which aids the elderly in preparing their homes for the winter. Additionally, GSA made a donation to the Cary Home for Children this Christmas; the home strives to prepare adolescents for successful re-entry to the community and is located in Lafayette.

This year GSA recognized two graduate students for outstanding leadership (Collette Thogerson) and participation (Brianna Gaskill) in GSA activities. The Graduate Student Association would like to thank all of those who contributed to Coffee and Donuts and purchased Animal Science merchandise (for information or purchase, contact Nicole Schmelz, nschmelz@purdue.edu). Many of the activities hosted by GSA would not be possible without your continued financial support. We look forward to another great year in 2010!


Tyler Buit received the Outstanding Poster award in the PULSe (Interdisciplinary Life Science) poster competition.

Patrick Gunn was the first place winner in the M.S. Poster Division at the Midwest ASAS/ADSA meeting in Des Moines, Iowa. His poster was “Effects of crude glycerin on feedlot performance and carcass characteristics of finishing wether lambs.” Authors were P. Gunn, M. Neary, R. Lemenager, and S. Lake.

Nicole Schmelz received first place in the graduate student paper competition at the TriState Dairy Nutrition Conference in Fort Wayne. This conference is considered one of the premier dairy cattle nutrition conferences in the country. Nicole was the third place winner in the M.S. Poster Division at the Midwest ASAS/ADSA meeting in Des Moines, Iowa. Her poster was “Feeding value of wet distillers grains for lactating dairy cows when co-ensiled with corn silage or haycrop silage.” Authors were


Heather White was the top poster presentation in the Interdepartmental Nutrition Program poster competition, which was part of the Purdue Botanical Center Symposium. Her poster was “Regulation of Pyruvate Carboxylase Promoters by Environmental and Nutritional Cues.” She received the Graduate Student Outstanding Teaching Award from the Center for Instructional Excellence at Purdue. At the ADSA/ASAS/CSAS annual meeting in Montreal, Heather received two awards in the ADSA Graduate Student Paper Competition - first place in the Poster competition and second place in the Oral Presentation competition. She received a Travel Scholarship from the Joseph P. Fontenot Appreciation Club of ASAS. It was also announced that she is beginning her term as Graduate Director on the ASAS Board of Directors.

Rachel Dennis received the Alltech Manuscript Award at the Poultry Science Association annual meeting. Her manuscript was “Serotonergic Mediation of Aggression in High and Low Aggressive Chicken Strains.” The paper was coauthored by Z.Q. Chen and H.W. Cheng.

Collette Thogerson received the GSA Leadership Award.

Brianna Gaskill received the GSA Participation Award. She received honorable mention for her presentation at the International Society for Applied Ethology (ISAE) Regional Meeting in Montreal, Quebec in July.

Rosangela Poletto and Joshua Jendza were selected as ASAS Midwest Section Young Scholars for 2010. They will both present a 30 minute invited paper at the 2010 Midwest ASAS/ADSA meeting in Des Moines on their research, will be presented a plaque and receive free registration and a travel stipend.

Highlighting Activities of 2009
Team wins at North American Intercollegiate Dairy Challenge

A team from Purdue University was one of four teams to receive the First Place Platinum Award in the North American Intercollegiate Dairy Challenge (NAIDC) held March 27 and 28, 2009 in Syracuse, New York.

A total of 29 teams from the United States and two from Canada competed in the eighth annual event, hosted by the Northeast Region NAIDC committee.

The team coached by Dr. Mike Schutz and Dr. Tamilee Nennich consisted of Austin Deardorff, Macy, Indiana; Kurt Fischer, Attica, Indiana; Megan Kron, Evansville, Indiana; and Jared Roberts, Westfield, Indiana.

Dairy Challenge was designed by professionals from the allied dairy industry and university educators to bring classroom training to life in the real world for students preparing for dairy careers.

The Purdue team spent two days at the contest. On the first day, they combed through cow and farm management data, as well as financial records, then conducted an on-site evaluation. Later that day, they also interviewed the farm owner.

After identifying opportunities to increase efficiency and profitability for the herd owner, the team presented its findings to a judging panel comprised of a dairy business owner and four experts in dairy nutrition, herd health, reproduction, and financial management.

Teams were judged on their analysis of the operation, recommendations, and overall presentation.

Reflecting on this year’s competition, reproduction expert and judge Dr. Ray Nebel from Select Sires Inc. said, “Besides being the best training of students for what they will face in the future, the Dairy Challenge contest brings together the whole dairy industry for a great common goal. The knowledge, excitement, enthusiasm, and teamwork displayed by the students at the 2009 Dairy Challenge made me feel good about the future of the dairy industry and the outstanding leaders it will have.”

Heifer International travels to Heifer University in Arkansas

Purdue’s chapter of Heifer International has been a busy group since its inception in the fall of 2008. Last year’s events included a pumpkin carving night which was quite successful, followed by a booth at PSUB’s Holidays Around the World, where members passed out information about Heifer’s mission and activities. The chapter made their big debut at Spring Fest where they sold cotton candy and dirt pudding and collected donations. They also had a lamb on hand for children to pet and learn about. This fall the group has been working to increase membership on campus. In September, the former Director of Adult Education and Outreach for Heifer, Dr. Rex Enoch, made a visit to Purdue to have dinner with the club and talk about their progress.

Currently the chapter is having a very productive spring semester. A trip to Arkansas to attend “Heifer University,” a booth at Spring Fest, and a $2 a Day Challenge where students will live in cardboard boxes on Memorial Mall for four days while surviving on only $2 per day were all completed during the semester. Other conditions such as using electricity only during daylight hours and only having one change of clothes will help students simulate the hardships faced by many people in developing countries. The money participants would have spent on food or entertainment will be donated to Heifer International.

Western Equestrian Team looks to keep riding forward

The Purdue Western Equestrian Team (PWET) has had a fairly short history. Being re-instated in 2008 as its own competing team, PWET members definitely had their work cut out for them.

According to Jackie Davis, current PWET president, “We knew it would be tough to create a new club, but we were willing to do it because we know there are so many horse interested students at Purdue”. Although it took hard work and long hours, all efforts are finally starting to pay off. The first blessing came from finding a facility to practice and take lessons at.

Sliding E Stables, owned by Gary and Angie Eason, hosts all PWET functions including bonfires, lessons, fun shows, and fundraising judging contests.

Since breaking off into their own club, PWET has grown in numbers from 12 in 2008 to a current 35 members.

“Not all members have to show collegiately, we have a large number of members who just want to ride a horse every week and participate in activities” Jackie claims.

The team looks forward to informative meetings, trips to the Hoosier Horse Fair, fundraising ventures and several social events each semester. With a growing bank account and even more of a growing membership, this team knows what it will take to keep going strong.

For information on the Purdue Western Equestrian Team, please email hayess@purdue.edu or tegger@purdue.edu.
The 2009 Purdue Dairy Judging Team began their judging season the first week classes were back in session last fall. Each weekend consisted of practices or competitions, many of them requiring a far distance to travel including traveling to the Maryland State Fair located outside of Baltimore. The season was wrapped up in Louisville, Kentucky where the last competition was held on November 8th. Other competitions were held in Harrisburg, Pennsylvania and at the World Dairy Expo in Madison, Wisconsin. The team also experienced the dairy industry internationally by visiting the Royal Winter Fair located in Toronto, Ontario.

Team members consisted of Jeff Carrell, Spenser Penrod, and Laura Saunders, all of Indiana, and Melissa Laws of Virginia coached by Steve Hendress. In the first competition of the season, the team held together at the Pennsylvania All-American with Jeff Carrell leading the way. Jeff placed 3rd high individual for Ayrshires with a 48 on reasons, 5th high for Guernsey with another 48 on reasons, as well as 8th high individual for the Holstein classes. Jeff was placed 8th for overall individual as well as tied for 1st in oral reasons averaging a 46. As a team, Purdue placed 4th in the Guernsey classes and was 5th overall in oral reasons.

The next competition was the National Contest held at the World Dairy Expo located in Madison, Wisconsin. Laura Saunders was recognized with being in the top 30 for overall individuals. The downfall of the team was consistency throughout with a multiple of tough classes. The last judging competition was held in Louisville, Kentucky at the North American International Livestock Exposition. Laura Saunders sparked the team with placing 9th in the Brown Swiss breed and 15th overall in oral reasons. With these results Laura was able to place as the 20th overall high individual.

To wrap up a long season of hard work, the team was able to attend the Royal Agricultural Winter Fair located in Toronto, Ontario. In addition to getting to see some of the top dairy cattle in Canada, they were able to tour twelve different Holstein and Jersey farms throughout the province. The international exposure was an excellent educational experience as well as creating strong friendships with great memories. The team worked very hard during the busy judging season while enjoying a great educational experience and the company of each other.

Dairy Club to host Annual Boilermaker Heifer Sale

Since the beginning of the fall 2009 semester, the Dairy Club has participated in several activities, fundraisers, and trips. At the beginning of August, Purdue Dairy Club participated in a fundraiser “Pet a Calf” at the State Fair in Indianapolis.

To kick off the semester, the Dairy Club participated in the College of Agriculture Ice Cream social to invite new members to the Dairy Club.
Livestock Team wins All-East Intercollegiate Contest

The Purdue University Livestock Team won the All-East Intercollegiate Livestock Contest, held at The Ohio State University. The team was third in the evaluation contest, first in the breeding and selection contest, first in the livestock judging contest, and took home the combined overall championship. The educational event takes place over three days of competition.

The live animal evaluation contest involved classes of estimating the composition of animals from three species of market livestock, classes of determining the value or pricing of the market livestock, and classes that determine the economics of the various species of market livestock. The breeding and selection contest consists of keep/cull female classes and classes of four with genetic data and information about various operations. Questions were asked on all nine classes. The judging contest consisted of the typical 12 classes of livestock and 8 reasons classes. The classes in this contest included performance classes of breeding livestock and market livestock for each species.

Team members include: Ian Brooke, Albany, Indiana; Rob Defreese, West Point, Indiana; Nicole Fitzsimmons, Columbus, Indiana; Chris Grimm, Wawaka, Indiana; Katherine Kuykendall, Richland Center, Wisconsin; Kyle Lehman, Nappanee, Indiana; Katie Linhart, Louisville, Kentucky; and Ryan Linn, Camden, Indiana. Coaches are Matt Claeyts and Kyle Culp.

In the Evaluation Contest, Katherine Kuykendall was high individual in sheep, was tenth in cattle, and was high individual overall. Ian Brooke won the cattle evaluation and was fourth overall. Nicole Fitzsimmons was sixth in sheep and eighth overall. Katie Linhart finished second in beef. As a team, Purdue was first in beef, third in sheep, fourth in swine, and third overall.

In the Selection Contest, Nicole Fitzsimmons was high individual in sheep and overall, and was third in swine. Ian Brooke was second in swine and sixth overall. Katherine Kuykendall was sixth in sheep. Rob Defreese was sixth in swine. Collectively, they were high team in sheep, swine and high team overall.

In the Judging Contest, Katherine Kuykendall was high individual in sheep and overall. She also finished tenth in swine, second in cattle and fourth in reasons. Nicole Fitzsimmons was third in swine, fourth in beef, eighth in reasons, and fourth overall. Katie Linhart finished sixth in swine, fifth in beef, and ninth overall. Ryan Linn was eighth in sheep. Rob Defreese was tenth in reasons. The team was high team overall and high team in beef. They placed second in sheep, swine and reasons.

Overall combined scores for the three-day contest resulted in Nicole Fitzsimmons as high individual, Ian Brooke placed fourth, and Katherine Kuykendall fifth overall. Purdue University took home the high team honors.

Helping Paws participates in new Critterfest event

Helping Paws has had a wonderful semester! From monthly meetings, to weekly trips to the animal shelter, the club has had a variety of experiences to help our furry friends.

The club also participated in a new event called Critterfest, an informational fair about adopting shelter animals.

In addition to volunteer work, the club got the opportunity to take a group trip to Black Pine Animal Park in Albion, Indiana and the Lincoln Park Zoo in Chicago.

Block and Bridle to co-host MSU National Convention in October

After a busy fall semester, the Purdue Block & Bridle club is in full swing with spring activities. Membership continues to grow and includes approximately 100 students from a wide variety of backgrounds and majors. In the fall semester, members participated in the Royal Showmanship contest that was held for the second year in a row on the Friday evening prior to Homecoming. This year, Mr. Jim Smoker of Wanatah, Indiana, was recognized as the Purdue Block & Bridle Honorary Member and served as the judge for the Second Annual Alumni and Faculty Beef Showmanship contest. In November, Block & Bridle chapter will also be helping to host next year’s National Convention with Michigan State University. Planning is currently under way for the event held in East Lansing, Michigan, in October 2010.

If you are interested in receiving a Block & Bridle newsletter please contact purdueblockandbridle@yahoo.com.

Zoo Club visits Columbus Zoo and conservation center

The Purdue Zoo Club has had an exciting semester. The meetings have featured speakers from Columbian Park Zoo and Animalia, a local wildlife veterinarian, and an anthropology graduate student.

The club has also completed volunteer work with Columbian Park Zoo, Potawatomi Zoo, and Red Wolf Sanctuary.

The club enjoyed a camping trip in Ohio and also visited the Columbus Zoo and a conservation center called The Wilds.

Most recently, the club visited Wolf Park for a Howl Night. This program features a lecture about wolves focusing on their vocalizations and why wolves howl.
2010 Distinguished Animal Sciences Alumni Awards

Criteria for Selection:
Nominees will have earned a B.S., M.S. or Ph.D. in Animal Sciences from Purdue. Successful nominees will have demonstrated excellence in industry, academia, governmental service, or other endeavors as exemplified by leadership, community service, and professional accomplishments.

There are three categories of awards: Early Career (5-15 years since first degree), Mid-Career (16-30 years) and Lifetime (31+ years).

Nominations:
Nominations may be made by any person or group affiliated with the Department of Animal Sciences, Purdue University, or the animal science industry.

Nomination forms will be available online at http://www.ansc.purdue.edu/alumni/ANSC_DAA2010.pdf, or contact Barry Delks (delks@purdue.edu) if you need one. Nominations must include the nomination form and the nominee’s vita or resume.

Presentation of Awards:
The award will include an appropriate gift presented to the recipient. Recognition of recipients will be placed on the Department Distinguished Alumni plaque. The recipients of these awards will be honored during a reception and expected to give a brief response to the Department of Animal Sciences faculty and students on Friday, November 5, 2010.

Nominations are due May 10, 2010.

Mail completed nominations to:
Distinguished ANSC Alumni Award Committee
Barry Delks, Chair
Dept. of Animal Sciences
915 W. State St., Lilly Hall of Life Sciences
Purdue University
West Lafayette, IN 47907-2054

Send us your Alumni Updates!
The Animal Sciences Newsletter Committee would like to include your alumni update in next year’s newsletter. Let everyone know what you have been doing! Just send us your name, address, and phone number. Also include your degree, employer, and update information. Photos would be great, too!

We would be delighted to hear from you! Send your updates to: Purdue University, Department of Animal Sciences, Lilly Hall of Life Sciences, 915 W. State St., West Lafayette, IN 47907-2054. Or email to Barry Delks at delks@purdue.edu.

Do you receive the Animal Sciences E-Mail Newsletter? If you would like to be added to the list, email Barry Delks at delks@purdue.edu and enter on subject line -- “add to ANSC alumni email newsletter.”

Thank you for supporting Purdue Animal Sciences!

Yes! I want to support the Department of Animal Sciences

$1,000 $500
$200 $100
$50 Other amount

I authorize $________ to be charged to my account.

Circle one: Visa Mastercard Discover
Account # ________________________ Exp. Date __________

Print name as it appears on credit card Signature Date

* Contributions to Purdue University are deductible as charitable contributions within the limits of the Internal Revenue Code. This includes gifts of securities.
* Indiana taxpayers are eligible for a 50% state income tax credit for gifts up to $400 on joint returns or $200 on individual returns.
* Matching gifts increase your giving power. Please include your completed matching gifts form.
* Your commitment and/or designation may be changed by calling Purdue’s pledge line at 800-319-2199
### Upcoming Events Calendar

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Would you like to receive the Animal Sciences e-mail updates?  

Just e-mail Barry Delks at delks@purdue.edu and state “add to ANSC Alumni e-mail newsletter.”

Do you prefer reading and receiving the Animal Sciences newsletter in print or by email or both?  
E-mail Barry today at delks@purdue.edu and let us know what is best for you.

We care about your feedback!