Department Receives Hansen Award

The Department of Animal Sciences was presented with the Arthur G. Hansen Recognition Award at the University’s Annual Retirement Banquet. This award is presented by the Office of the President and the Purdue University Retirees Association to the University unit that excels in fostering a strong relationship with its retirees.

The award is given in honor of Arthur G. Hansen, who served as Purdue President from 1971 to 1982. The Department of Animal Sciences was nominated by retired professors Truman Martin, Bill Baumgardt, John Forrest, Jack Long, and his wife, Bertanelle Long.

The nominators say of the department: “The Department of Animal Sciences values the contributions that retirees have made to the programs of the department in the past and appreciates significant contributions to current activities.”

Air Quality Studies Earn Purdue Agriculture Team Award

When big farms meet suburbia, the melding of the two lifestyles can be bumpy, but an interdisciplinary research group focuses on easing that relationship by alleviating odor, gas and dust emitted from livestock production facilities. The research group’s work has earned them the 2005 Purdue University Agriculture Team Award.

Dean Randy Woodson presented this year’s award to the team on May 10. Team members include Albert Heber, Jiqin Ni, Teng Lim and Claude Diehl, all of the Department of Agricultural and Biological Engineering; Alan Sutton, Scott Radcliffe, Brian Richert, and Dan Kelly, all of the Department of Animal Sciences; Richard Grant of the Department of Agronomy; Ching Ching Wu of the Department of Veterinary Pathobiology and the Indiana Animal Disease Diagnostic Laboratory; and Neil Zimmerman of the School of Health Sciences.

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In the pages that follow, I hope you are able to learn more about the people and programs in the Animal Sciences Department at Purdue University.

Animal Sciences has had another outstanding year. Some of the accomplishments of the 522 undergraduate students and 72 graduate students are highlighted. These students are excelling and finding rewarding positions in industry. The faculty and staff continue to develop outstanding programs for our students and industry stakeholders.

Among the new faces in Purdue Agriculture is Dr. Sonny Ramaswamy, our new Associate Dean and Director of Agricultural Research Programs (ARP). Sonny comes to Purdue from Kansas State University. He replaces Dr. Mark Hermodson, who was serving as the interim director of ARP following the appointment of Dr. Randy Woodson as our Dean of Agriculture.

In the past year, two new faculty members have joined the Animal Sciences Department. Dr. Darl Swartz brings a muscle protein chemistry program to Purdue from Indiana University School of Medicine. Dr. Scott Lake joined the faculty in November 2005, recently completed his PhD at the University of Wyoming, and will be developing a research and teaching program in beef cattle nutrition. In July 2006, we are expecting Dr. Paul Ebner to bring a new program in microbiology and pre-harvest food safety to the department from the LSU Health Sciences Center. Other faculty changes have included the departure of Dr. Mike Spurlock, who joined the faculty at Iowa State University, and the retirement of Dr. Tip Cline, who is now Professor Emeritus of Animal Sciences. Searches for four new faculty members are underway in the areas of Muscle Biology, Reproductive Physiology, Dairy Cattle Nutrient Management, and Animal Genomics. These new positions encompass research, teaching, and extension, all very important in our efforts to meet the current and future needs of our many stakeholders. The addition of new talent to our outstanding faculty is exciting for the future of Animal Sciences. Our complete faculty gallery is posted on our departmental web site (www.ansc.purdue.edu), where you can learn more about their many programs.

We continue to seek resources to grow the programs in three signature areas – Animal Growth and Developmental Biology, Animal Well-Being, and Sustainable and Efficient Production Systems – that are important to our mission. Our mission is - The Department of Animal Sciences provides leadership and inspiration to educate individuals to anticipate and effectively respond to challenges facing the global animal industries. Animal Sciences facilitates scientific research and technology transfer for efficient and sustainable production of high quality animal products with optimal animal well-being, enhancement of the human diet, and advancement of sound environmental practices. Therefore, we continue to place a high priority on providing our students with outstanding educational programs that are integrated with our programs in discovery research and extension. The academic successes we enjoy are dependent on the tremendous assistance and support we receive from our alumni and friends. On behalf of the Department of Animal Sciences, I thank each of you for your support. Your continued support is essential to our mission.

Stop in and visit with us in 2006 so we can tell you more about Purdue Animal Sciences. I hope many of you are able to join us on Saturday, September 23, 2006, for our Annual Animal Sciences Alumni & Friends Reunion. Go Boilers!
**Zoo Animals and Africa Focus of Professor’s Time**

By Jessica Livingston, Animal Sciences Ambassador

Dr. Rebecca Krisher has opened new doors in the department by developing an innovative course. She introduced ANSC 495Z, zoo animal conservation science, last spring. Through this course, Krisher hopes to teach a class students want to take because it meets their interest and not because it is a requirement.

Krisher is offering a second course this summer, a study abroad program in South Africa. This study abroad program has actually been offered to graduate students for several years, but this is the first year the program will be open to undergraduate students. She has a collaborator in South Africa with a lab devoted to reproduction and bio-banking. At local reserves, Krisher and her students can collect the tissues and materials needed for their research. In addition to that research, Krisher and her students will spend time training other students in South Africa on techniques used to study reproduction. During the field work, Krisher hopes to develop methods of artificial insemination in zoo animals and wild species for conservation purposes.

In addition to her teaching and research, Krisher counsels approximately 12 undergraduates. She received the Outstanding Counselor Award from the department in 2004.

Krisher joined the faculty at Purdue in 1998 and is an associate professor of developmental biology and reproductive physiology. She obtained a bachelor’s degree in Biology from Hanover College, a master’s degree in Animal Science from North Carolina State University, and a PhD in Animal Science/Dairy from Virginia Tech. At NCSU, her research involved successful *in vitro* culture of porcine one-cell embryos in mouse oviducts maintained in organ culture.

Formerly, Krisher worked at Granada Biosciences in College Station, Texas researching *in vitro* maturation of cow oocytes. Her current research focuses on oocyte developmental competence by looking at genes that are transcribed in the cell to determine the mechanisms that make a good oocyte.

**Richert Works on Dietary Manipulation to Reduce Odor**

By Alan Duttlinger, Animal Sciences Ambassador

A major research area for Dr. Brian Richert is dietary manipulation to reduce odor and nutrient excretion from swine manure and facilities. To aid in Dr. Richert’s research, he is utilizing the Swine Environmental Research Building that was erected at the Animal Sciences Research and Education Center in the fall of 2004. This state-of-the-art building is the only one like it in the country. The facility is a 12-room barn that holds 60 head per room with individual waste removal, ventilation, and feeding systems. “Purdue University is a leader in environmental research,” says Dr. Richert. The new facility allows the progressive researcher to gather accurate results by collecting data through computerized monitoring.

Dr. Richert has served as Swine Nutrition and Management Assistant and Associate Professor since 1995. He received his bachelor’s degree from South Dakota State University and obtained his master’s and doctorate degrees from Kansas State University. Serving as a swine extension specialist, Dr. Richert brings answers to pork producers on several nutrition and management issues. Also, Dr. Richert is the chair of the swine program committee for the swine unit, which is used by 21 College of Agriculture faculty members.

Dr. Richert has conducted short courses for swine industry professionals from several countries, educating them on the topics of swine nutrition, management, feed processing, health, and pork quality. He has also traveled to China and Vietnam, working with swine producers and feed companies on swine nutrition and management.

Acknowledgment

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 fill out the information form included on page 13 and return it to us.

The Newsletter Student Editor is Tristan Emery and the Newsletter Committee members are Layi Adeola, Jennifer Crodian, Pat Jonas, Donna Lofgren, Diane Patterson, and Barry Delks. Special thanks to Erika Richardson for her assistance.
Undergraduate Student Update

By Mark Diekman, Undergraduate Program Coordinator

For the 2005 fall semester, undergraduate enrollment increased by 12% to a total of 522 students. Nearly 85% of the Animal Sciences undergraduate students are from Indiana. 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. One hundred and fourteen freshmen (a 44% increase) entered Animal Sciences in August 2005, with an additional 25 transfers from other institutions, primarily from junior colleges. During 2005, over 100 students graduated with a BS degree, 5 students with an AS degree and 6 students with a minor in Animal Sciences. Fifty-one Animal Sciences students also graduated with a minor in biology, liberal arts, or agriculture economics.

The most popular option is the science option (387 students) with the majority (66%) specializing in pre-veterinary medicine. Thirty-seven students are enrolled in the production option and 91 students are enrolled in the agribusiness option. Four students are pursuing the products option. Enrollment has remained steady in the biotechnology specialization. There are 52 enrolled in the behavior/well-being specialization, and several incoming freshmen for fall 2006 have indicated that they will be enrolling in this option.

The Department of Animal Sciences leads the College of Agriculture in the number of students that study abroad. Participation in undergraduate research projects continues to increase. The Department offers more than 60 courses with an annual enrollment of over 2,300 students and over 6,200 credit contact hours.

Student Named to Board of Trustees

Rachel Cumberbatch, a junior in Animal Sciences from Lebanon, Ind., was chosen to represent the student body on the Purdue Board of Trustees. She was selected by Gov. Mitch Daniels after an extensive application and interview process.

“I want to be a go-between so students understand everything we have to do,” said Cumberbatch. “I have been researching issues such as building repair, rehabilitation and tuition rates.”

At Purdue, Cumberbatch has served as an ambassador and mentor for the Department of Animal Sciences, member and then adviser for the President’s Leadership Class, and member of the Boiler Volunteer Network. She has also participated in study abroad trips in China and Honduras.

Cumberbatch will serve a two-year term on the Purdue Board of Trustees.

Student Named to Board of Trustees

Animal Sciences alumni Lindsay Crosby, Chelsea Culler, and Gary Weilbaker discuss careers in the animal industry during a career fair.
Animal Sciences Ambassador Update

By Erin James, Animal Sciences Ambassador

The Animal Sciences Ambassadors, now 19 strong, had a busy fall semester and are looking forward to a spring semester full of new opportunities.

During the fall of 2005, the Ambassador team collaborated on the successful “Animal Science Mentors” program that orients incoming students to college life, helped out with the Welcome Back picnic for students during the first week of classes, and lent a helping hand with the Animal Sciences Homecoming weekend. Ambassadors work with faculty members in the department to provide services to students and feedback when needed.

A new Ambassador ‘retreat’ was held right after classes started which helped the new ambassadors meet the people they would be working with as well as allowing continuing members to solidify their connections with the team. Glenda Wallpe and Stacy Norin, from Elanco, sponsored the weekend events, bringing their knowledge of the Insights personality evaluation to share.

This spring the Ambassadors will also host potential students during three Preview Days and a new social event each month.

As usual, the Ambassadors will also be helping with set up and management of the popular “Boiler Barnyard” during Spring Fest April 7 through April 9. Thousands of adults and children passed through the tent last year and we hope to see even more this year. The first Animal Sciences Young Alumni Reunion will be held in conjunction with Spring Fest as well. The first Animal Sciences Ambassador Reunion was such a success that it was decided to expand it to include all alumni from the last 10 years (1995-2005) of graduating classes. The Ambassadors hope to see a great turnout again this year!

Undergraduate Scholarship Award Recipients

<table>
<thead>
<tr>
<th>Scholarship</th>
<th>Freshman</th>
<th>Sophomore</th>
<th>Junior</th>
<th>Senior</th>
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<tbody>
<tr>
<td>Lilly Scholarship</td>
<td>Amy Neal, Bicknell</td>
<td>Lindsey Gordon, Granger</td>
<td>Martha Ullman, Highland</td>
<td>Ashley Meece, Richland</td>
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<td>Outstanding Class Awards</td>
<td>Christine Johnson, Munster</td>
<td>Lindsey Gordon, Granger</td>
<td>Lauren Singleton, Arlington Heights, Ill.</td>
<td>Ashley Meece, Richland</td>
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<td>Baltzell Agri-Products Scholarship</td>
<td>Christine Johnson, Munster</td>
<td>Erik Richardson, Greenville</td>
<td>Kelli Slack, North Manchester</td>
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<td>Book-Harmon Leadership Scholarship</td>
<td>Christen Cartmell, Monticello</td>
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<td>John Henry Hinkle Memorial Scholarship</td>
<td>Lindsay Eckert, Roanoke</td>
<td>Shawna Goekler, Marshall, Ill.</td>
<td>Erin James, Bloomington</td>
<td>Grant Minnemeyer, Bloomington</td>
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<td>Hubbard Award</td>
<td>Tommi Kreiter, Tippecanoe</td>
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<td>Keith Lotz Memorial Scholarship</td>
<td>Elizabeth Berger, Richmond</td>
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<td>LOUJA Undergraduate Scholarship</td>
<td>Amanda Richardson, Rushville</td>
<td>Rebekah Francis, Noblesville</td>
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<tr>
<td>Frank and Wini Clark Beef Industry Scholarship</td>
<td>Casey Davis, Holton</td>
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<td>Elanco Scholarship</td>
<td>Rachel Cumberbatch, Lebanon</td>
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<td>Eric B. Luckman Award</td>
<td>Farah Abbassian, Newburgh</td>
<td>Sara A. Ludington, Avon</td>
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<td>Henry Mayo Scholarship</td>
<td>Caitlin Hinton, Lawrenceburg</td>
<td>Jonathan Pleitner, Valparaiso</td>
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<td>Paul E. Newman Scholar Award</td>
<td>Sarah Fontaine, South Whitley</td>
<td>Amanda Williams, Logansport</td>
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<tr>
<td>Richard A. Pickett Memorial Award</td>
<td>Miguel Ortiz, Shelbyville</td>
<td>Michelle Rich, Sharpsville</td>
<td>Lauren Singleton, Arlington Heights, Ill.</td>
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<tr>
<td>Sandy Powers Indiana Sheep Industry Leadership Award</td>
<td>Jamie Boone, Noblesville</td>
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<td>Rothenbarger Scholarship</td>
<td>Bethany Case, Warsaw</td>
<td>Emily Kenney, Oak Lawn, Ill.</td>
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<tr>
<td>Charles L. &amp; Jean Ruef Award</td>
<td>Katey Brattain, Greencastle</td>
<td>Jebadiah Stevens, Waldron</td>
<td>Nicholas E. Tharp, Winchester</td>
<td>Susan Wulf, Lafayette</td>
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<tr>
<td>Thrasher Family Award</td>
<td>Lindsay R. Flesch, Ossian</td>
<td>Kate Hepworth, Granger</td>
<td>Brandon Miller, Brazil</td>
<td>Brady Thompson, West Lafayette</td>
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Book—Harmon Leadership Program

In 2005, Bob Book, retired Vice President of Elanco, and Dr. Bud Harmon, Purdue Professor Emeritus and retired Animal Sciences Department Head, founded a Leadership Program for animal sciences students.

John Madia, Vice President for Human Resources, Productivity and Site Operations at Dow AgroSciences, presented a seminar at the 2006 Book-Harmon Leadership Program. The leadership program was filled to capacity with approximately 170 people attending the presentation held in the Deans Auditorium on February 15.

During the presentation, entitled “Leadership: The Reward of Changing Scenery,” Madia focused on: Learning the critical role of leadership; expanding the vision of world-wide opportunities; increasing awareness of industry issues; spreading knowledge of the skills for which industry is looking; why students should seek opportunities to serve; and making a difference beyond the workplace.

This year’s program was sponsored by: The Department of Animal Sciences, Maple Leaf Farms, Monsanto Company, Conversations on Learning in Agriculture Series, and the College of Agriculture.

Exploring International Agriculture in China

Twenty-four College of Agriculture students traveled to China and explored international agricultural and food systems. From May 16 to June 10, the students learned about Chinese culture, visited ancient sites, and toured the local agricultural industry.

During their stay, students observed the differences in agriculture and college life while visiting China Agriculture University, the Institute of Animal Feed of the Chinese Academy of Agricultural Sciences, the Institute of Food Science of Northwest Agroforestry University of Science and Technology, and the College of Animal Sciences and College of Food Sciences of Zhejiang University.

Students toured the Beijing offices of the US Soybean Association, US Grains Council, and the Nestle plant. They also visited several Chinese agribusinesses including a meat packing plant, a feed flavoring plant, a tea farm, and an animal feed company.

This trip included visiting the Forbidden City, Tiananmen Square, Great Wall, Hong-Qiao bazaar (pearl market), a Tang Dance performance, and a class on acupuncture, to name a few.

Kirby Hayes, John Forrest and Terry Stewart from the Departments of Food Science and Animal Sciences were the professors on the Maymester trip.

New International Opportunity for Students in China

Two Animal Science students, Adam Grant and Katherine McInnis, will participate in an internship with Wellhope Feed Company in Beijing, China for the summer of 2006. The primary duty of the interns will be to assist Wellhope employees to improve their English oral and written communications skills.

To accomplish this goal, our students will interact with Wellhope employees in their daily activities, ranging from executive meetings in the corporate headquarters, to operations and quality control in the feed mills, to educational seminars presented for Wellhope customers and on-farm visits with customers by technical representatives. Purdue students will experience the Chinese feed and animal production industry at a grass-roots level and also get a view of business operations in China.

Our students will be living in the homes of two Wellhope employees and participating in their daily family life. In preparing for their internship, the two students are taking Chinese during the 2005-06 academic year.
The Purdue Equestrian show team had a very successful year with Cameo Parrish, Naperville, Ill., winning the IHSA National Intermediate Equitation over Fences Championship and Makato, a Purdue owned horse, was named the Horse of the National Show. Both the Western Team and Hunt Seat Team continue to be very competitive this year under the direction of Katy Green, Springboro, Ohio, the western assistant coach and Purdue Intercollegiate Horsemanship Club (PIHC) President and Cameo Parrish as the Hunt Seat Team assistant coach.

There are approximately 100 members of the PIHC and Dr. Russell serves as the club advisor. More information about the PIHC can be found at http://web.ics.purdue.edu/~pihc/PIHC.htm

The Purdue Dairy Judging Team traveled to Harrisburg for the Pennsylvania All-American Contest and to Madison, Wis. for the World Dairy Expo Contest. The team added some international flavor this year with two study abroad students, which made it a learning experience for all. Members that comprised the 2005 team were: Adam Everhart, Shelbyville; Meagan Matlock, New Castle; Sean Murray, Ireland; Ross Trentadue, Lake Mills, Wis.; Marianne Voldsgaard, Denmark; and Ben Wicker, Milroy. Steve Hendress serves as the team’s coach.

The team competed at the Pennsylvania All-American and placed third overall out of 15 teams. Purdue was the top team in the Brown Swiss breed with Meagan placing second and Ross placing third. Ross also was seventh high individual in the contest.

At the World Dairy Expo Nationals, Purdue went up against 25 nationwide teams. Although being the 13th place team overall was somewhat disappointing, Sean was the fourth place individual in the Guernsey breed after scoring a perfect 50 on his oral reasons.

The team traveled to Ft. Worth, Texas in January to compete at the Ft. Worth Livestock Show for the first time. The team was proud to be named first place team overall and Meagan Matlock was first individual overall.

The team would like to thank everyone who supported their efforts this fall. Also, a special thank you to Liz Woodruff who assisted in coaching the team.

2005 was a good year for the Purdue Livestock Judging Team. The team competed in five contests and several workouts that were mock contests. Team members were: Casey Bruns, Union City; Kristen Culy, Hagerstown; Nathan Downey, Hope; Matt Edwards, Greenfield; Patrick Gunn, Greenfield; Eoin Keane, Ireland; and Mac Mendell, Noblesville. Matt Claey's serves as the coach for the team.

At the World Beef Expo the team was fourth overall, with Matt Edwards placing second in the contest and in the top five of two species. Casey Bruns also placed in the top five in the cattle division.

At Kansas City and Louisville the students scored in the range of 940-950 but were not in the top ten overall. The team met their goals of coming off the floor with less than 120 points dropped in Louisville. Also, Kristen Culy placed fourth in sheep at Louisville.

Team members for 2006 will participate in three events this spring. Students that have indicated they will be working this spring are: Jeremy Armstrong, Amanda Crawford, Alan Duttlinger, Adam Everhart, C.J. Fleenor, Christopher Kincade, Brittany Moore, Joel Parker, Kelli Reiff, Lindsay Sims, Shawn Tipton, and Gavin Wellman.

The team would like to thank the faculty, staff, and the livestock breeders for their support.
**New Celebration of Science**

The Department of Animal Sciences has identified May 16-18, 2006, as the 2nd annual Celebration of Science week. The purpose of this activity is to focus on research activities of the department and provide stimulating, cutting-edge information by outside speakers. The focal point of the event will be graduate student research. Graduate students who have submitted research findings to regional, national, and international meetings will have the opportunity to compete for funds to attend and present their findings at these meetings. Nearly 20 MS and PhD students participated in last year’s competition. Funding for these students has been made possible by the Louise and Jake Kridler Endowment.

In addition to the graduate student abstract competition, nationally recognized scientists will be invited to Purdue’s campus to provide seminars on selected topics of interest to the entire faculty and graduate student body. Students and faculty will get the opportunity to hear selected seminars from private industry or governmental agencies. Activities will conclude with the graduate awards banquet at Purdue’s Wright Forestry Retreat Center. At that time, winners of the graduate student competition will be recognized as well as those graduate students identified for outstanding career achievements. Funds for the latter have been made possible through an endowment established by Carolyn Featherston in memory of her late husband, Roy.

Graduate student award winners for 2005 were:

**W.R. Featherston Off-Campus Training Fellowship**
Anthony J. Giannini. Anthony is pursuing his PhD degree under the direction of Dr. Bill Muir. He received his BS from Upper Iowa University.

**W.R. Featherston Early Graduate Career Award**
Kari Saddoris. Kari is pursuing her PhD degree under the direction of Dr. Scott Radcliffe. She received her BS from the University of Illinois and MS from the University of Wisconsin-Madison.

**W.R. Featherston Outstanding Graduate Teaching Award**
Tracy Copenhafer. Tracy completed her MS degree in August 2005, under the direction of Dr. David Gerrard. She received her BS from Michigan State University.

**W.R. Featherston Outstanding Ph.D. Award**
Sheila Jacobi. Sheila completed her PhD degree in January 2006, under the direction of Dr. Mike Spurlock. She received her BS from Purdue University and her MS from the University of Nebraska-Lincoln.

**Book-Harmon Leadership Scholarship**
This scholarship was established by Bob Book and Bud Harmon, to reward a graduate student who has displayed outstanding leadership skills and efforts. The *FIRST* Book-Harmon Scholarship was awarded to Darrin Karcher. Darrin is pursuing a PhD under the direction of Dr. Todd Applegate. He received his MS from the University of Wisconsin-Madison.

**LOUJA Graduate Travel Awards**
The 2005 LOUJA Award winners were: Daniele Cary, John Eash, Sheila Jacobi, Joshua Jendza, Kiho Lee, Hao Shi, and Aurelia Skipwith.

**Additional Honors**
Kristi Thompson received a graduate student presentation award at the Poultry Science Association annual meeting. Kristi completed her PhD degree in the Fall of 2005, under the direction of Dr. Todd Applegate.

Jolena Fleming was awarded a Neal A. Jorgensen Genome Travel Award from the USDA Genome Coordinator for travel to the Plant and Animal Genome Conference in San Diego, CA in January 2006. Jolena is pursuing a PhD degree under the direction of Dr. Chris Bidwell.

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**Graduate Student Association**

The Department of Animal Sciences Graduate Student Association (GSA) seeks to encourage student and faculty interactions, as well as promote alumni and industry relationships.

This past fall, the graduate students hosted the Third Annual Animal Sciences Fall Picnic. Faculty, staff, students, and families enjoyed great food, pumpkin painting, and a hayride around the Animal Sciences Research and Education Center.

Additionally, the graduate students have many activities planned for the spring semester, including a faculty and staff chili cook-off, an industry tour of the Purdue Research Park, and a fundraising drive. The graduate students will be selling Animal Science merchandise (t-shirts, polos, hats, and visors).

GSA officers include: President-Lindsay Wilson; Vice-President-Jolena Fleming; Secretary/Treasurer- Danielle Sholly; Fundraising Chair-Lindsay Wilson; Program Development Chair-Nathan Horn; Academic Quadrathlon Chair-Melissa Paczkowski; Social Chair-Jeffery Bewley; Computer Committee Rep.-Alan Fahey; Graduate Programs Rep.-Jennifer Lowe; Seminar Rep.-Erin Schenck; Workshop for Youth Committee-Melissa Paczkowski & Jennifer Lowe; Graduate Student Senator-Jessica Williams.
Faculty and Staff News

**Outstanding Counselor Award**

Dr. Terry Stewart counsels 20 to 22 undergraduate students annually. Having served as chairman of both the curriculum committee of the College of Agriculture and the University Educational Policy Committee, and also as Chairman of the University Senate, these experiences contribute to Terry’s counseling resources.

**Outstanding Teaching Award**

Dr. Mickey Latour teaches ANSC 102, Introduction to Animal Sciences; and ANSC 101V, Virtual Introduction to Animal Sciences, which has attracted enrollments from Germany, Italy, Japan, Korea, The Netherlands, and several regions of the US.

**Outstanding Graduate Education Award**

Dr. Bill Muir has served as the Chair of graduate program; major advisor for 8 MS, 11 PhD, and 3 postdoctoral students; and has served on the advisory committee of 52 graduate students. Bill has taught graduate genetics and experimental research courses. He has been involved in education of international graduate students, including a short course in Nordic and Dutch Series Quantitative and Molecular Genetics.

**Outstanding Service to Students Award**

Matt Claeys provides an important service to students through teaching ANSC 370, Livestock Evaluation; ANSC 470, Livestock Judging; and ANSC 293, Special Practical Experiences in Extension Livestock Handling. Matt is also an Advisor to Block and Bridle.

**Purdue Agriculture – Agricultural Research Award**

The contributions of Dr. Mike Spurlock to Indiana Agriculture through research were acknowledged by naming him a recipient of the Ag Research Award. Mike developed research programs in adipocyte biology that address a role for the adipocyte as an endocrine cell and participant in immune response pathway.

**Other Faculty and Staff Awards**

Dr. Layi Adeola received the American Feed Industry Association Award from the Poultry Science Association.

Dr. Bud Harmon, Professor Emeritus, and Tim Orman, ENGR ’83; MBA ’92, won second place in the Opportunity for Indiana Business Plan Competition hosted by Purdue in 2005 for their plan to help develop Agri Processing LLC. The firm will use a new flocculent patented by Harmon that will conserve nutrients and improve water quality from effluent of pork and other food processing plants.

**Promotions**

Dr. Todd Applegate, to Associate Professor; Dr. Heng-Wei Cheng, to Adjunct Associate Professor; and Dr. Mike Spurlock, to Full Professor.

**Retirements and Departures**

Dr. Tilford (Tip) R. Cline retired from Purdue University on August 31, 2005, after 40 years as a faculty member in the department. Tip was raised on a livestock and grain farm in West Central Illinois, and graduated with BS, MS, and PhD degrees from the University of Illinois.

Tip had a distinguished career in teaching undergraduate and graduate students throughout his 40-year career and received numerous recognitions for his teaching efforts. Upon his retirement, he received Professor Emeritus status.

Dr. Mike Spurlock resigned and left for Iowa State University in September 2005, following a short, productive career at Purdue.

**New Faculty**

Dr. Scott Lake recently accepted the position of Assistant Professor in beef cattle nutrition in the department. He obtained his BS and MS in Animal Science at the University of Nevada-Reno and his PhD in Ruminant Nutrition at the University of Wyoming.

Lake’s research interests focus primarily in using nutraceuticals to improve beef cattle production and efficiency. He is interested in the effects of lipid supplementation on metabolism of lactating beef cows, onset of puberty in beef heifers, and immune function in suckling beef calves.

Dr. Darl Swartz joined the Animal Sciences faculty as an assistant professor in the area of muscle biology/meat science. He received his BS in Food Science from Purdue, his MS in meat science and PhD in muscle biology/meat science from the University of Wisconsin-Madison.

He did postdoctoral work in muscle physiology in the School of Medicine at the University of Wisconsin-Madison. He was an assistant and associate professor at Indiana University, School of Medicine, Department of Anatomy and Cell Biology. Most recently he was a visiting Scientist at the University of Kent, Department of Biosciences, Canterbury, UK. His teaching activities are in ANSC 351 and 551.

**Deaths**

Dr. Jake Krider, 92, passed away June 23, 2005. Jake was a professor and served as Department Head. He retired in 1979. Dr. Krider in honor of his late wife, Louise, created the LOUJA Undergraduate scholarship which recognizes two undergraduates each year for their exemplary leadership and communication skills, and the LOUJA Graduate Travel Award.

Ed Oswalt, 82, passed away at his residence in Independence, Ind. Ed was the animal caretaker in the Animal House while he worked at Purdue.

**Administrative Professional, Clerical and Service Staff Honored For Years of Service**

**25 Years:** Scot Martin. **20 Years:** Denny Bayless, Donna Lofgren, Marlene Miller, Diane Patterson. **15 Years:** Myron Bozell, Barry Delks, Fred Haan, Denise Stall. **10 Years:** Brad Ford, Pat Jonas, Gary Wernert.

A complete faculty gallery is posted on the Department’s Web site at www.ansc.purdue.edu. Log on to view a list of publications by Animal Sciences’ faculty.
Faculty and Staff International Participation

Dr. Heng-wei Cheng participated at a conference on current beak trimming methods in Melbourne, Australia. He hosted the visit of Prof. Jin Peihua, the executive dean of College of Animal Sciences, Zhejiang University, China, for future cooperation in research and student exchanges. Dr. Ed Pajor participated at a conference on animal welfare in Vienna, Austria. He gave a presentation entitled “From Darwin to Dawkins: the science and implications of animal sentience” in London, England. Dr. Pajor also presented at the International Society of Applied Ethology Congress in Tokyo, Japan. Dr. Layi Adeola traveled to Gaborone, Botswana for review of livestock research facilities, education and research programs. He also attended a conference on pig and poultry growth at Ithala Game Reserve in South Africa. Dr. Mike Schutz has contributed three articles on genetic improvement, assessing cow hygiene, and lameness to the 2005 issues of Bulgarian Dairy Farmers Project Newsletter. He hosted Diana Allen, Project Manager for the Milk Development Council of UK. Dr. Todd Applegate presented at the Western Nutrition Conference in Calgary, Alberta, Canada. He presented “Eggs, Legs, and Genes” at the Poultry Nutrition Symposium in Oxfordshire, UK. Dr. Applegate presented at the Nutrition et Valeur Ajoute dans les Filières Avicoles Symposium in Nantes, France. He worked with a USAID-Global Livestock Collaborative Research Support Program planning grant entitled “Increasing animal source food in diets of HIV-infected Kenyan women and their children: can treatment outcomes be enhanced?” Dr. Applegate presented on the effect of nutrition on poultry manure management at the Nigeria Poultry Summit. Also, he presented at the Poultry Nutrition Symposium in Segovia, Spain.

Dr. Bill Muir served on the Fast Pigs Genetics Advisory Board to review breeding programs on how to incorporate selection for animal well-being in swine breeding programs in Saskatoon, Canada. He presented at the Biosafety Symposium in Montpellier, France. Dr. Muir presented at the Eurotier Fair Poultry Breeding Symposium in Hanover, Germany. He presented at Nutreco, “Development of Selection Programs to Improve Well Being of Layers”, Boxmer, The Netherlands, and taught a Nordic Intensive Course. Dr. Muir also taught Incorporation of Competitive Effects in Breeding Programs for Improved Performance and Animal Well-being; and served on a review panel for the Robust Chicken Project in Wageningen University. Dr. Allan Schinckel met with 11 Chinese swine genetics faculty who visited Purdue to discuss the implementation of swine genetic evaluation programs. Drs. John Forrest, Professor Emeritus of Animal Sciences, Terry Stewart, Professor of Animal Sciences, and Kirby Hayes, Professor of Food Science, organized a study abroad course in China. Dr. Mark Russell assisted with the development of the Exploring International Animal Agriculture of China, Maymester 2005 and Poland, Slovakia, Czech Republic, 2006. He collaborated on a USDA CSREES ISE grant which is offering a web-based International Education and Engagement course and agribusiness study trip to Costa Rica. Dr. Russell traveled to Quito, Ecuador to establish relationships with The University of Central Ecuador and Maquita Cusunitchic Comercializando Como Hermanos Foundation (Shake Hands and Do Business as Friends) setting up locations for service learning projects in Salinas de Bolivar. He has hosted Romanian veterinarians and Romanian agribusiness leaders.

Drs. John Patterson, Todd Applegate and Susan Eicher traveled to Beijing, Lanzhou and Nanjing Agricultural University, China on a USDA Foreign Ag Service Grant to present research interests and to develop collaborative research on Traditional Chinese Medicines in livestock. Drs. Scott Mills and Chris Bidwell licensed their cell lines to the Veterinary Medicine core of Pfizer in England for screening drugs that target porcine beta-adrenergic receptors. Dr. Zoltan Machaty serves as a co-advisor for Laszlo Nanassy, a PhD student from Hungary (Laszlo is co-advised with Dr. Anders Kovacs at Debrecen University, Hungary). In addition, he is involved in collaborative research with Drs. Anders Kovacs and Andras Javor of Debrecen University on ex situ gene preservation of domestic animals. Matt Claeyrs hosted Eoin Keane from Ireland for four months. Eoin participated on the Livestock Judging Team. Dr. Shawn Donkin spent a sabbatical leave at the Liggins Institute, Faculty of Medicine, University of Auckland, New Zealand. Dr. Paul Collobi gave an invited talk at the Norwegian Forum on Transgenic Animals in Oslo and visited Dr. Peter Alestrom’s lab at the Norwegian School of Veterinary Medicine. Dr. Alestrom and his postdoctoral research associate, Dr. Jethro Holter visited Purdue for two weeks to learn embryonic stem cell culture methods.

Donkin Experiences Research in New Zealand

Dr. Shawn Donkin, his wife Moreen, and children, Ainslie, 15, Hugh, 13, and Iain, 11, recently traveled to Auckland, New Zealand where Dr. Donkin was on sabbatical leave at the Liggins Research Institute, The University of Auckland, Faculty of Medical and Health Sciences. They arrived in New Zealand after 54 hours of travel, very weary, but happy to escape winter in Indiana and looking forward to new experiences. Shawn was invited to work at the Liggins Institute, a multi-disciplinary medical research institute within The University of Auckland, one of the leading research groups in the world to pursue the fetal origins of health and disease. At the Liggins Institute, Dr. Donkin applied his interests in nutrition and liver function towards developing a greater understanding of the process of fetal programming as related to diabetes, insulin resistance, and obesity. Dr. Donkin also participated in activities with scientists at Dexcel, Inc. (formerly Dairy Research Corporation), the primary dairy research and extension institution in the country, as part of field day activities, farm visits, producer extension programs, and planning collaborative research efforts. Shawn and his family traveled through much of New Zealand (a country a little more than twice the size of Indiana) exploring the seacoast, beaches, and striking mountains and enjoying awesome hospitality.
Distinguished Animal Science Alumni

The Department of Animal Sciences presented the 2005 Distinguished Animal Sciences Alumni Awards to six individuals on October 14. Recipients were honored in three categories.

**LIFETIME CAREER AWARD**

**Hobart W. Jones** received his bachelor’s degree in 1943 in animal sciences, later earning a master’s from Ohio State University and a doctorate from the University of Kentucky. He was a professor at Purdue for 38 years, instructing about 5,000 students before he retired in 1988. This past May, *National Hog Farmer* magazine honored him as one of 50 people who have had the greatest impact on the pork industry. Jones received 10 teaching and counseling awards, in 1980 was named the Outstanding Teacher in the College of Agriculture, and was honored by Purdue with the Hovde Award in 1973 for service to rural people of Indiana. Jones currently resides in West Lafayette, Ind.

**Robert C. Peterson** received his master of science in 1954 and that same year was hired by Purdue as the beef research leader at the Southern Indiana Forage Farm where he served for 11 years. In 1965, Peterson accepted the position of assistant superintendent at the Lynnwood Farm in Hamilton County, managing the Bull Test Station. Peterson was superintendent of the station from 1967 until he retired in 1989. He has held offices in various beef producer organizations, is a member of the Indiana Livestock Breeders Hall of Fame, and has received numerous awards, including Indiana Outstanding Cattleman; Lifetime Achievement Award, Indiana Beef Cattlemen’s Association; Meritorious Service Award, Indiana Pork Producers; and the Oren Wright Outstanding Service to the Indiana Sheep Association Award. He currently resides in Sheridan, Ind.

**Maurice L. (Mauri) Williamson** earned his bachelor of science in 1950 and was the executive secretary of the Purdue Agricultural Alumni Association from 1953 to 1990. During his tenure, the association grew to a position of national prominence and became the model for all other alumni groups. With his leadership, the National Agricultural Alumni Development Association was founded to provide education and support for professionals, volunteers and student leaders. Williamson was selected as an Honorary Lieutenant Governor in 1983, and was chosen an Honorary Master Farmer in 1985 by *Prairie Farmer* magazine. He received the Certificate of Distinction from the Ag Alumni Association in 1990 and that same year was chosen Honorary Commissioner of Agriculture and named an Honorary Lieutenant Colonel by the Indiana State Police. Williamson currently resides in West Lafayette, Ind.

**MID-CAREER AWARD**

**Terrence M. (Terry) Fleck** earned his bachelor of science in 1975 and has worked as executive vice president of the Indiana Pork Producers Association and the Indiana Pork Advocacy Coalition for more than 15 years. He has increased corporate and grant support for the organization and has broadened the grass roots organization to include associated industries and a successful public affairs advocacy platform. He is a member of the American and Indiana Societies of Association Executives and is a board member for the Indiana Livestock Alliance and the International Association of Grace Ministries. In 1983, Fleck became technical coordinator of the US Feed Grains Council in Washington, DC, and later served as regional director for the US Feed Grains Council in Vienna, Austria. Fleck resides in Carmel, Ind.

**Angela L. Siemens** earned her bachelor of science in 1983 and went on to receive a master’s and doctorate from the University of Missouri. She previously was a food technologist at Beatrice Foods and a process technologist with Oscar Mayer Foods. Siemens is currently vice president of quality assurance for Smithfield Foods, and is responsible for management of all food safety programs in the $2.7 billion pork and meat processing company. Her honors include the Paul D. May Award for Service from the World Beef Expo and the Friends of the Cattlemen Award from the Wisconsin Cattlemen’s Association in 2000. In 1999, she was recognized as the Meat Processing Magazine Rising Star, and in 1996 and 1998, she received the Above and Beyond the Call of Duty Award from Kraft Foods. Siemens currently resides in Smithfield, Va.

**EARLY CAREER AWARD**

**Barbara A. Lintzenich** earned her bachelor of science in 1991 and later her master’s degree from Kansas State. She is the animal nutrition manager at the Cincinnati Zoo and Botanical Gardens, and her responsibilities include developing, implementing, and supervising all aspects of the zoo animal nutrition program. Lintzenich manages the commissary, food safety, quality control, diet formulations, and assessment of animal health. She is also responsible for educating zoo staff, volunteers, and visitors, and works closely with animal management, animal keepers, researchers, and veterinarian staff. Lintzenich is a member of the Comparative Nutrition Society and the American Zoo and Aquarium Association (AZA), and serves as chair of the Nutrition Advisory group for AZA. Lintzenich resides in Cincinnati, Ind.
College of Agriculture Distinguished Alumni

The Purdue University College of Agriculture welcomed eight new recipients of its Distinguished Agricultural Alumni Award during a campus ceremony on April 1, 2005; three of the recipients were Animal Science alums.

The award honors mid-career graduates of the College of Agriculture who have made significant contributions to their profession or society in general and have a record of outstanding accomplishments. There have been 125 recipients of this award. This year’s distinguished alumni include Animal Science graduates:

Since 1981, Tom Bechman, Franklin, Ind., has been associated with Indiana Prairie Farmer magazine, most recently serving as editor. He earned a bachelor’s degree in animal sciences and agricultural education in 1975 and a master’s degree in agriculture in 1977.

“Facts and figures and what I got out of books were important. But the value of my Purdue education was more about how to learn and grow in life. I learned a lot about that,” said Bechman.

Mark Legan, Coatsville, Ind., and his wife operate Legan Livestock & Grain, encompassing 1,000 acres of cropland and 700 sows that produce about 15,000 pigs a year. He earned his bachelor’s degree in animal sciences in 1982 and his master’s degree in extension education in 1987.

“I agree with Abraham Lincoln’s view of agriculture as a ‘profitable and agreeable combination of labor and thought.’ Farming gives me the opportunity for physical as well as mental work,” said Legan.

Since 1993, Jeffrey Luckman, Newport News, Va., has been vice president for livestock procurement with Smithfield Foods Inc., the world’s largest food processor and hog producer. He earned his bachelor’s degree in animal sciences in 1976.

“The education and knowledge Purdue provided has enabled me to make lasting contributions in business — nationally, internationally and in my community. I hope to give back to Purdue as much as the university gave me,” said Luckman.

Hatfield Receives Honorary Doctorate

Joe Hatfield (BS ’58), Baldwin, Ga., received an Honorary Doctorate from the Purdue College of Agriculture in May 2005. He has distinguished himself in animal science and food science as the chairman and chief executive officer of Fieldale Farms Corp., one of the world’s largest integrated poultry producers. His corporation feeds 27 million birds daily, producing more than 800 million pounds of chicken annually. Hatfield has been president of the Georgia Poultry Processors Association and the National Broiler Marketing Association and currently is the president of the National Chicken Council.

Indiana Livestock Breeders Association Hall of Fame

John Fox, Joseph Pearson, and Duane Sickels were inducted into the Indiana Livestock Breeders Association Hall of Fame in 2005.

John Fox, Shelbyville, Ind., started his involvement with the purebred swine industry in 1936. Fox has been a tremendous leader and promoter of the purebred swine industry with the drive and tenacity to carry ideas out. When he served on the Indiana State Fair Board, he conceived the progressive idea of having sales following the purebred swine shows.

Joe Pearson, Hartford City, Ind., has served the livestock industry in an exemplary manner. As Assistant Commissioner of Agriculture for the State of Indiana for nearly 10 years, Pearson has been an effective administrator and diligent leader that valued all agricultural species and their contribution to Indiana commerce. He has served the livestock industries as the direct line of communications to the Governor’s Office and the state legislators, with the betterment of the industry at heart.

Duane Sickels, Winchester, Ind., started his Suffolk sheep flock as a 4-H project. In 1970, he expanded his flock through his own replacements and purchases from breeders in Indiana and Tennessee. Teaching youth through livestock is a passion of Duane’s. When serving on the National Suffolk Association Board, he worked to establish the National Junior Suffolk Association. He has served as an official at state and National contests and has judged many shows across the eastern half of the United States. Duane has established the Sickels Lamb Camp to help youth with their showing abilities.

Left to Right: Matt Claeys, Joe Pearson, John Fox, Duane Sickels, and Bob Benson after the ILBA Hall of Fame recognition.
The Animal Sciences Workshop for Youth will be celebrating its 34th anniversary in 2006. This annual effort of the Department of Animal Sciences, the School of Veterinary Medicine and the Department of Youth Development and Agricultural Education exposes nearly 300 students annually to the breadth of opportunities in the animal industry. High school age students from across Indiana can select from 13 species-related workshops to learn more about management of the species of their choice, careers in animal science, and Purdue University.

Another highlight of this workshop is the educational guest speakers that address the youth. Dr. Larry Nelson, former Associate Department Head, was instrumental in developing the 4-H Animal Sciences Workshop 34 years ago. After his death, his wife, Mary, established the Larry Nelson Fund to ensure excellent speakers that challenge 4-Hers to do their best and become people of integrity.

The Animal Sciences Workshop for Youth provides a valuable opportunity for students to increase their knowledge of animal management and to provide an opportunity for them to meet the outstanding faculty and staff in the Department of Animal Sciences. We look forward to continuing to prepare youth for careers and lives in the animal industry through programs such as this one.

As we strive to meet rising costs of offering programs such as this, support from the industry becomes more vital. If you are interested in providing support for the Animal Sciences Workshop for Youth, please contact Barry Delks, Colleen Brady, Clint Rusk, or Rod Allrich.

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**Youth Benefit from Workshop Focused on Animals**

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**Leroy Keyes, former Purdue football great, challenges 4-Hers to become leaders of integrity.**

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**Alumni Update**

**Doug Burrin (BS ’81)**, Houston, Texas, was honored as the 2005 winner of the Animal Growth and Development Award, sponsored by DSM Nutritional Products, Inc. and presented by the American Society of Animal Sciences.

**Samuel Etienne (BS ’75; MS ’77)**, Starkville, Miss., is attending graduate school at Mississippi State University and is a former Horticulture Instructor at Oakland City University, Tell City, Indiana.

**Karen (Winkler) Fassnacht (BS ’75)**, Rockport, Ind., is owner/manager of Winkler Girls, a store which features both human and animal nutritional supplements and a wonderful array of gifts, toys, games through their ultimate home shopping catalogs and specialized brochures.

**Chris Fenner (BS ’94)**, Indianapolis, Ind., is the Young Farmer and Leadership Development Coordinator with Indiana Farm Bureau, Inc.

**Amber Ferner (BS ’04)**, West Lafayette, Ind., won the steeple chase at the 2003 Big Ten Track Championship. Even while she is juggling vet school at Purdue, Amber was able to place third in the steeple chase at 2005 Big Ten Championships.

**Jessica (Hall) Grant (BS ’98)**, Cologne, N.J., is currently an associate veterinarian in a small animal practice in Ventner, New Jersey.

**Paul Miles (BS ’58)**, Virginia Beach, Va., is retired from the US Navy.

**Larry Miller (PhD ’69)**, Beltsville, Md., received the Signal Service Award from the American Meat Science Association. He received this award for his devoted service and lasting contributions to the American Meat Science Association and the meat and animal industry. Additionally, Larry was named the Employee of the Year in the Cooperative State Research, Education and Extension Service (CSREES), US Department of Agriculture. Larry is a National Program Leader for Animal Sciences in CSREES, and since November has served as the CSREES Acting Associate Administrator.

**Edgar Ott (BS ’59, MS ’63, PhD ’65)**, Micanopy, Fla., recently retired from the Department of Animal Sciences, University of Florida.

**Cynthia (Karbutowski) Paulsin (BS ’79)** Crown Point, Ind., has been selling Oscar De La Renta since 1990, was recently appointed Account Manager for the entire Chicago Market, for YSL Beaute–Gucci Parfums.

**Kathryn Wotman (BS ’98)**, Kennett Square, Pa., is currently a veterinarian resident, large animal internal medicine, University of Pennsylvania.

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**Purdue Animal Sciences**  
**Young Alumni and Family Reunion**  
**1995-2005 GRADUATES**  
on April 8th at the Boiler Barnyard  
from 4 pm – 6 pm

Advance reservations are required.  
RSVP by March 24 to Barry Delks at delks@purdue.edu or 765-496-7234  
http://www.ces.purdue.edu/sfest/
Friends and Alumni Take Similar Paths

We often tell our students it is a small world and your path will cross with the people you meet while at Purdue. How true that has been for Jennifer Cline Armstrong, BS 1999, and Ann Yager, BS 2003.

The two met on campus in 1999 while Armstrong was serving as an Animal Sciences Ambassador. Armstrong took Yager to her classes, to meet professors, and to her cooperative house, Ann Tweedale. The two ladies also spent time discussing the Animal Science major and career options. Yager came to Purdue to study Animal Sciences, joined Ann Tweedale Cooperative, and like Armstrong, became an Animal Sciences Ambassador.

As an undergraduate student, Yager would discuss her career options with Armstrong, who had started graduate school. Like Armstrong, Yager also pursued graduate school and obtained her MS in Animal Sciences. Four years later, Yager took the same job at Elanco that Armstrong had started at — Clinical Research Associate.

What started as a campus visit for Yager, has resulted in many similar experiences. Currently, Armstrong works as the Manager of Regulatory Affairs at Elanco. Yager will complete her first year as Clinical Research Associate at Elanco this summer. Two similar paths for two Animal Sciences students has resulted in great friendships, successful careers, and fond memories of Purdue.
Upcoming Events Calendar

April

8-9  SpringFest and Boiler Barnyard
8     Young Alumni and Family Reunion (4-6 p.m.)

May

1     Deadline for 2006 Distinguished Animal Sciences Alumni Award
13    Graduation

August

9-20  Indiana State Fair

September

23    Animal Sciences Reunion and Purdue Homecoming

February 2007

10    Ag Alumni Fish Fry

Nearly 300 alumni and friends attended the Department of Animal Sciences reunion.

The Ambassadors participated in leadership training this past August.