

# ANIMAL SCIENCE

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IOWA STATE UNIVERSITY  
College of Agriculture and Life Sciences

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## From the Chair

Dear Alumni and Friends,

It is hard to believe that another year has passed and we are again bringing you greetings from the Department of Animal Science. As I have come to expect, the department continues to be busy, striving for excellence in all of our programs. For example, this fall **Joe Sebranek** was officially recognized as a Charles F. Curtiss Distinguished Professor. He became the 5th active faculty to be honored in the department, the most of any department at Iowa State University. Other faculty, staff and students continue to be recognized for their efforts and are noted throughout this newsletter.

As always, faculty changes include departures and arrivals. **George Brant** retired after a 37-year tenure and **Kristjan Bregendahl** resigned for a position with industry. However, it was an outstanding recruiting year with 5 new faculty joining the department. You will have the opportunity to "meet" **Sherry Olsen, John Patience, Nick Gabler, Josh Selsby** and **Jason Ross** in the next few pages. (We look forward to 2009 and to having **Stephanie Hansen** in beef feedlot nutrition, **Lance Baumgard** in dairy nutrition and **Aileen Keating** in reproductive toxicology join our department.) Additionally, we are in the search process for faculty to fill positions in companion animal and poultry nutrition.

This past July the American Society of Animal Science celebrated its centennial anniversary. One of the stars of that celebration was **Richard Willham**, professor emeritus, who authored the centennial coffee table book and the commemorative video shown on opening night. This was truly special and a tribute to Richard and his talent for highlighting the historical significance of our society and animal industry.

2009 will bring a new opportunity for the department when the David and Judee Morrison Endowed Chair in Meat Science and Food Safety is named. Thanks to David and Judee for this generous gift which will make a major and lasting difference in the programs of the department and will greatly help us as we strive to be the premier Animal Science Department nationally.

The department continues to thrive with lots of enthusiasm and energy. I hope that you will stop and visit us if you are in the Ames area. We love the opportunity to hear from our alumni.

Sincerely,



Maynard Hogberg, Chair



# Lush Visions Symposium

## Animal Breeding Plans

*Curtiss Hall, Stephens Auditorium, Fisher Theater, and Lush Auditorium...certainly every student has stepped foot into each of those places during their time on campus. Each day hundreds of students stream in and out of the doors to Lush auditorium without a clue as to where it got its name. In April a symposium was held to remember and honor the namesake of Lush Auditorium, Dr. Jay L. Lush, the father of modern animal breeding.*



Jay Lush students and their students

Lush was a professor of animal science at Iowa State University from 1930 to 1966 and during his career, Iowa State attained a worldwide reputation of excellence in animal breeding and genetics, a position still held today. Lush was one of the first to teach the importance of selective breeding - a radical idea in those days because animal selections were based on appearances in the show ring. Lush's program was the first in the country to promote a quantitative approach to animal breeding using measurable results such as milk production or the rate of growth.

In 2002, one of his former students, **Thomas Sutherland**, took the lead in establishing the Jay Lush Endowed Professorship in Animal Breeding and Genetics with a \$1 million commitment to Iowa State. **Dorian Garrick** was formally installed as the first Jay Lush Endowed Chair during the April Symposium. Thomas and Jean Sutherland as well as many other former Lush students joined Lush's son, daughter, and grandsons for the international event hosted by professors **Jack Dekkers** and **Max Rothschild**. The gathering of former Lush students and the invited talks made for a memorable and exciting two days. Videos of the presentations, as well as photos, are available at: [www.ans.iastate.edu/events/Lushsymp/](http://www.ans.iastate.edu/events/Lushsymp/)

A poster session also took place at the symposium and current graduate students in Animal Breeding and Genetics unveiled the *Pedigree of Animal Breeders* that is comprised of people from across the globe with a graduate degree in animal breeding and genetics and related fields. A Web site was created that allows breeders to enter and update information on themselves, colleagues and the academic "ancestors", "siblings" and "progeny" ([www.animalgenome.org/lush/](http://www.animalgenome.org/lush/)). A quick look at the chart shows what an enormous and long lasting impact Jay Lush had on the world of animal breeding.



Dr. Jay L. Lush





## Animal Science

### Current and past events in the department

#### Dairy Farm Update

The dairy cows have been at their new location for one year now and there are about 300 cows being milked twice a day. Each day it requires two 5-hour milking shifts to move 20 cows at a time through the milking stations. There is a glassed-in observation area where visitors can view the milking process. As of the end of August this year there have been over 100 tours with almost 1400 visitors to the farm.



One of the locals appears to approve of the bronze sculpture, Jersey Jewell.

#### Iowa Beef Center (IBC)

The Iowa Beef Center serves as the university's extension program to cattle producers and is comprised of a dedicated group of faculty and staff from the Colleges of Agriculture and Life Sciences and of Veterinary Medicine as well as ISU Extension. The Iowa Beef Center works together to develop and deliver the latest in research-based information to improve the profitability and vitality of Iowa's beef industry. This past year the Iowa Beef Center held the first *Iowa's Next Top Inventor's Contest* where three finalists presented their inventions at the 2008 Ottumwa Cornbelt Cow-Calf Conference to compete for \$3,000 in cash prizes. The Iowa Beef Center continues to provide a monthly newsletter, *Growing Beef*, host several risk management workshops, feedlot tours and pasture walks throughout the state during the summer; and host a webcast on COOL (Country of Origin Labeling).

#### Iowa Pork Industry Center (IPIC)

With a mission to promote efficient pork production technologies in Iowa, maintain Iowa's pork industry leadership and strengthen rural development efforts, the IPIC focuses in several areas, including animal handling and well-being, business management strategies and youth programs. IPIC faculty continue to offer Pork Quality Assurance Plus (PQAPlus) advisor training for those who will conduct certification sessions, with participants coming from several states. Software programs to help producers understand and improve the production and finance aspects have been developed for general and niche operations; in-person, online and teleconference methods of providing education and information to producers and others in the pork industry are offered regularly; and cooperation with the Iowa Pork Producers Association and the Coalition to Support Iowa's Farmers help keep ISU resources and personnel at the forefront of producer needs.

IPIC and ISU Extension field specialists team up to plan, promote and provide workshops for youth attending the annual Iowa State 4-H Youth Conference and animal science Roundup, FSQA trainings throughout the state for 4-H youth who show meat animals, and assistance with county livestock weigh-ins and the state fair 4-H swine show. Other activities include coordinating the ultrasound team that provides scanning services to county fairs; working with others in ISU Extension to offer advice and suggest resources for domestic and international clients, including a delegation from Nigeria; and coordinating logistics for two multi-state distance education programs, SowBridge and PorkBridge.

#### Animal Science Teaching

For the first time in history, departmental enrollment of undergraduate students exceeded 800. Enrollment has increased by 321 students (66%) in the past five years. To assist the faculty in the advising role, three new advising faculty were added in fall: **Sherry Olsen, Jason Ross, and Josh Selsby.**

Career placement continues to be strong—97% within six months of graduation—and the average salaries reported by our graduating seniors last spring were \$36,363 and as high as \$60,000. Last fall the College of Agriculture and Life Sciences held a formal ceremony to announce a major new scholarship program named in honor of **Dr. C. F. Fred Foreman**, Professor Emeritus of Animal Science. Fred and **Melba Foreman** were in attendance to meet the first 20 recipients of the scholarship program. Each year 20 new sophomores in the College of Agriculture and Life Sciences will be selected as C.F. Foreman scholars—five will receive \$5,000 awards and 15 will receive \$1000 awards. Students may re-qualify as recipients as juniors and seniors. When the program is fully operational in three years, up to 60 students will be Foreman scholars. The scholarship program is generously funded by **Dana and Martha Robes.** Dana is an alumnus of Dairy Science and one of Dr. Foreman's former students.

#### Nutrition

**Elisabeth Huff-Lonergan and Steven Lonergan** continue to conduct research on the calpain enzymes. These enzymes are critical to normal metabolism in muscle. Additionally, calpain activity is predominantly responsible for improvement in meat tenderness during the normal meat aging process. Together with a visiting scientist, René Lametsch from the University of Copenhagen, Steven and Elisabeth have published a report that defines a mechanism of reversible oxidation that affects calpain activity. This observation will expand the understanding of protein turnover in cells and contribute to the advancement of research to advance efficient production of high quality meat products. In the year to come there should be many exciting developments happening in the nutrition area with the addition of four new nutritionists in the department—two in swine and one each in dairy and beef feedlot.

#### Meat Laboratory

It has been just over thirty years since Iowa State University built a new Meat Laboratory attached to the north side of Kildee Hall and 2008 marked the 30th *Annual Sausage & Processed Meats Short Course* held at Iowa State University. **Dr. Joseph Cordray** led the annual short course which was started by Animal Science Professor Emeritus Robert Rust in 1979 in the newly built Meat Laboratory.



As part of a community service project, Meat Science graduate students taught middle school youth about food safety when grilling meat.

Fifteen years after the new Meat Laboratory was constructed, Iowa State University again broke ground with the addition of the Linear Accelerator facility to the Kildee Hall/Meat Lab Complex. This was the first facility of its type built on a university campus and one of only two in existence today. As a result of research conducted in the facility, **Dr. Dennis Olson** testified at a hearing on the irradiation of ready-to-eat foods which led to FDA's approval of the irradiation of spinach and iceberg lettuce in September 2008.

Several professors in the Meat Science section have impacted the industry in 2008. **Dr. James Dickson** sits on the National Advisory Committee for USDA/FSIS Meat and Poultry Inspection. **Dr. Steven Lonergan** serves on the editorial boards for the *Journal of Animal Science* and *Meat Science*. **Dr. Elisabeth Huff-Lonergan** was invited to speak at the 2008 International Congress of Meat Science and Technology held in South Africa.

#### Research at ISU Directly Benefits the Pork Industry

Iowa ranks as the number one state in the nation in the production of hogs. One pound out of every four pounds of pork comes from a facility in Iowa. That is what makes the research coming from **Max Rothschild's** lab such a large benefit for the State of Iowa. From 1993 to present, Max Rothschild headed up research on developing pig genetic marker technology. Several students and postdocs including **David Vaske, Kwan Suk Kim** and **Daniel Ciobanu** and other ISU colleagues were part of the discovery work. As a result of this research, 6 patents have been obtained and 5 genetic markers are available to all pork producers in the US. The Iowa State University Research Foundation signed a licensing agreement with GeneSeek Inc. of Lincoln, Nebraska and DNA Landmarks, Canada, for the use of DNA markers in 5 genes—MC4R, PRKAG3, CAST, HMGA1 and ESR.

Producers and breeders can select from a "menu" of characteristics that will fit well with their production program. The markers identify the following five characteristics: growth and leanness; high pH and better meat quality; tenderness and meat quality; back fat and lean growth; and lastly, a reproduction marker for use with the Large White and Yorkshire breeds to improve litter size. The genes can also be used in combination so breeders and producers can develop the best multi-gene combination for their particular circumstances.

#### Physiology

Here is another success story coming from Kildee Hall. **Lloyd Anderson** and colleagues studied how the release of hormones in animals of agricultural importance can lead to greater efficiency of growth and meat quality. Their results could reduce the cost of animal production and enhance profitability for farmers. CSREES (Cooperative State Research, Education, and Extension Service) funded this research project through the NRI (Natural Research Initiative) Animal Growth and Nutrient Utilization program. CSREES advances knowledge for agriculture, the environment, human health and well-being, and communities by supporting research, education and extension programs in the Land-Grant University System and other partner organizations.

While so much of the research taking place in the department focuses on raising better quality animals more efficiently through nutrition or genetics, **Anna Johnson** does research on animal well being and behavior. She considers both conventional and alternative animal production systems and her research is gaining national attention especially after the recent passage of California Prop 2—Standard for Confining Farm Animals.

#### New Egg Center Established

The Egg Industry Center at Iowa State University has been established to provide research and extension information on critical issues facing egg producers, processors and consumers. The Center's work will lead to science-based answers on growing existing markets, exploring new uses and new markets, developing more efficient and environmentally friendly production practices and enhancing nutrition for the benefit of consumers. The Iowa Egg Council earlier this year made a \$2 million gift commitment to establish the endowed egg industry program in Iowa State's College of Agriculture and Life Sciences.

An Advisory Board of Directors, consisting of egg producer, allied industry and academic representatives, has been established to provide guidance toward development and implementation of the Center's programs. The Center will be staffed with a director, a business analyst, an administrative assistant, and a communication specialist.

On April 8, 2009, the Egg Industry Center will be holding its first annual egg industry issues forum in Des Moines, Iowa. Topic areas of the forum will include limiting feed costs, antibiotics risks, animal welfare and related issues, economic issues, and air quality issues of egg operations.

For more information, visit the EIC web site: <http://www.ans.iastate.edu/EIC>





## Faculty Update

*The Animal Science Department welcomes new faculty and says good-bye to others.*



Dr. Brant gives a farewell salute at his retirement reception.

### G. Brant Retired in August

With a brand new PhD degree in nutrition from U.C. Davis, **Dr. George Brant** arrived at Iowa State University in April of 1971. He was immediately put to work teaching the first of many courses that he would cover over the years. His variety of degrees—a B.S. degree in Poultry Science and Biochemistry and a M.S. degree in physiology from Oklahoma State—served him well as he taught a variety of classes. You will probably still see him involved as a seminar speaker or keeping apprised of any new computer technology, an area that he was always exploring and using during his career.

### K. Bregendahl joins Hy-Line

In July, 2008, **Dr. Kristjan Bregendahl** joined Hy-Line International as a member of their global technical service department. He served as Assistant Professor in the Department of Animal Sciences at Iowa State University from 2003 to 2008.



### Nick Gabler, new faculty

It was quite the trip that brought **Nick Gabler** to Iowa State University as an assistant professor in swine nutrition. In April of 2004, Nick Gabler arrived in the United States with all of his possessions in two suitcases and knowing a grand total of one person in the whole country—Dr. Mike Spurlock. A graduate of La Trobe University in Australia, Nick arrived at Purdue University in Indiana to do postdoctoral research with Dr. Spurlock to validate the nutritional value of a private feed company's product. When Dr. Spurlock moved to ISU, Nick followed suit and helped Mike re-establish his research lab in Ames. Nick investigates Omega-3 fatty acids and how they can be used to improve pig production, health, feed efficiency, the immune system and nutrient absorption. Nick is very involved in swine production and is collaborating with Dr. Jack Dekkers in the department of animal science in the area of residual feed intake and feed efficiency. He is trying to understand the physiology behind what makes a pig more efficient.



In his spare time you can probably find Nick searching high and low for some good bread, good lamb and good beer—what he misses most from his native Australia. Other than that, the style of living in Iowa is very similar to his Australia, except the winters! However, he was surprised by the

importance Americans place on drive-up conveniences such as banks, dry cleaners, and pharmacies. Another surprise is how rain water is allowed to flow freely down the street into storm sewers without any concern for capturing and using every drop of it as they must do in Australia.

Down under Nick leaves behind his mother, an older brother and an identical twin brother that is a dairy farmer on a farm northeast of Melbourne. Here in the states Nick owns and resides with his partner Anna, on a small acreage north of Ames.

### Sherrlyn Olsen, new faculty

**Sherry Olsen** is the latest lecturer to join the department's teaching faculty. Additionally she is finishing up her first year as the meat judging coach. A graduate of the University of Missouri-Columbia with a bachelor's degree in Animal Science, Sherry was a program technician with the USDA Farm Service Agency in Missouri. In 2002 Sherry left her home state to get her master's degree and a PhD in Meat Science at Iowa State. Sherry has a passion for teaching and loves interacting with students who teach her something new every day. She is appreciative of all the support she gets in the department while she teaches, recruits and advises students. Sherry takes advantage of all sorts of venues to recruit students to ISU, especially when traveling for the farm enterprise that she and her husband Roger own, raising and selling club lambs for 4-H and FFA projects. They sell rams and replacement ewe lambs in addition to the club lambs. You will also find Sherry volunteering in a local 4-H club, teaching at every opportunity.

Sherry teaches An S 475C, *Introductory Meat Evaluation*, and recruits students from that class to serve on the judging team. During winter break, the new team for 2009 will begin workouts at beef processing plants with the goal of improving their record.



### John Patience, new faculty

**John Patience** joined the department in September as an Associate Professor of Applied Swine Nutrition. John is a native Canadian so the Iowa winters won't be a big challenge for him and he enjoys the similar values he sees in the people of Ames, Iowa, and his homeland. In fact, John found his move to Ames to be quite easy; he says he can pick the slowest checkout line at the grocery store with the same ease and consistency as he did in Saskatoon!

John received his bachelor and master degrees from the University of Guelph, Ontario and his PhD from Cornell University. In 1991 John became involved in the Prairie Swine Centre, a joint venture of the University of Saskatchewan and the Saskatchewan Hog Marketing Commission that includes technology transfer and graduate education. John worked on restructuring the Prairie Swine Centre to become a non-profit company. It successfully grew from 7 employees to over 50 employees under his leadership. During his tenure at Prairie Swine Centre, John's research focus was on energy metabolism, feed ingredient evaluation and general feeding management.

John is enthused about being in Iowa, the center of the nation's pig industry. He would be happy to complete his working career at ISU where he feels that the college and the department have an exciting vision for the future. Before his move to Iowa, John was positively received by the members of the Iowa swine industry and he has already started collaborating with them and continuing his research.

John has three grown children, two of which are living in Canada and one in Buenos Aires, Argentina. You may catch a glimpse of John walking to work from his home in the north side of Ames.



### Jason Ross, new faculty

**Jason Ross** started his position as an Assistant Professor in Reproductive Physiology in August and is happy to be back in his home state, on familiar turf here at Iowa State and near family again. Following his graduation with a bachelor's degree from Iowa State University, Jason went to Oklahoma State and received his master's degree and PhD. For the past two years Jason was a postdoctoral fellow at the University of Missouri with a research program studying early embryonic development in the pig and working toward establishing the pig as a biomedical model for human diseases, such as retinitis pigmentosa. At ISU his research focus in molecular reproduction will focus on understanding the mechanisms of and reducing early embryonic loss as a means to enhance reproductive efficiency.

Jason looks forward to all of the collaboration opportunities within the department of animal science, the College of Vet Med, and departments across campus. He teaches the reproductive physiology component of An S 549, *Animal Physiology* and would like to contribute to the development of other courses in the department.

Jason and his wife, Rose Mary, reside near Cambridge and adding to his qualifications as a reproductive physiologist, he and his wife are the parents of three sons and two daughters!



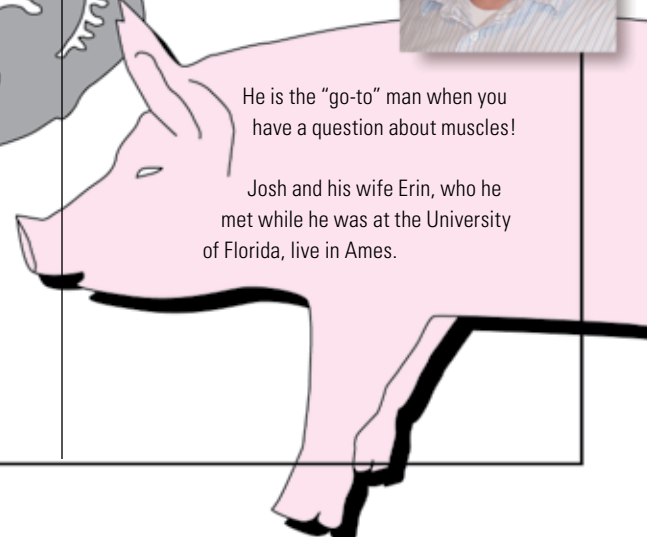
### Josh Selsby, new faculty

In August, **Josh Selsby** joined the department as an Assistant Professor in Muscle Physiology. Although Josh was born in the *Big Apple* he grew up as a Midwesterner in the state of Ohio where he earned a bachelor's degree from the College of Wooster and a master's degree from The Ohio State University. Josh then headed south to the University of Florida to obtain a PhD followed by a 3 year stint at the University of Pennsylvania for post-doctoral work on muscle physiology. Josh is looking forward to being at Iowa State University and continuing the research that he began in Pennsylvania and all the opportunities for collaboration that are available within the department of animal science as well as other departments on campus.

Josh's research focus has been on Duchenne Muscular Dystrophy (DMD) which is an x-linked genetic disease and the # 1 fatal disease of males, usually causing death when they are only in their twenties. The young men are diagnosed between the ages of 3 to 4 years and they are wheelchair bound by their early teens. Josh has worked to understand this disease, caused by a mutation, and applying novel therapies such as repurposing old drugs. At this point they are working to buy time for victims while preserving their quality of life until a cure is found. Josh is applying for funding from the Muscular Dystrophy Association, Iowa State's CIAG (Center for Integrated Animal Genomics) program and is waiting for approval from NIH (National Institute of Health). Much of the knowledge that Josh has gained from his research can also be applied to the livestock industry by studying how diet affects the muscle. In addition to his research you will also find Dr. Selsby teaching An S 214, *Domestic Animal Physiology*.



He is the "go-to" man when you have a question about muscles!  
Josh and his wife Erin, who he met while he was at the University of Florida, live in Ames.





# Animal Science Scholarship Recipients 2008

**Animal Science Scholarship**  
Danielle Dombrowe

**Arthur & Muriel Anderson Scholarship**  
Robert Fitzgerald  
Drew White

**Arthur Molln Scholarship**  
Megan Bonzer  
Matthew Burt  
Melanie Chacon  
Callie Coates  
Kayla Dudley  
Spencer Funk  
Cory Haglund  
Amber Heinrich  
Justine Hosch  
Jared Jacobson  
Kia Knutson  
Emily Leeper  
Jill LeKander  
Anna Wilson  
Elizabeth Yugo

**Bernard W. Ebbing Memorial Scholarship in Animal Science**  
Zachary Westhoff

**Bob Pim Memorial Scholarship**  
Nathan Upah

**Charles & Edna Parmele Scholarship in Animal Science**  
Heidi Bruns

**Charles H. & Inez M. Callahan Memorial Grad Award**  
Emily Donahue

**Charles R. & Ethel P. Mountain Scholarship in Animal Science**  
Nathan Sunderman

**Claude W Ahrens/Miraco Scholarship**  
Katherine Majerus

**David & Jacqueline Topel Endowed Scholarship**  
Adam Krause  
Chelsea Wetjen

**Dennis L. Crone Scholarship in Animal Science**  
Jessica Slavik

**Des Moines Feed & Grain Club Scholarship**  
Alyce Gehling

**Donald W. Helble Scholarship in Animal Science**  
Heather VanDeWostine

**Dr. M. E. & Mrs. Ensminger Scholarship**  
Jeremy Burkett  
Marie Harris  
Emily Kuntz  
Michelle Rutz  
Kohn Schrader  
Elizabeth Schrage  
Joseph Thomas

**Duane & Shirley Acker Intl. Fellowship**  
Katie Weigman

**Dudley R. Scott Scholarship**  
Alisha Hoffman

**Eldred J. & Donna Harman End Scholarship**  
Jacob Petersen  
Kassi Williams

**George Gund Animal Husbandry Scholarship**  
Cole Burrack

**George Gund Scholarship**  
Valerie Bahr  
Juliann Balistreri  
Melinda Bechtel  
Kendra Bolen  
Morgan Core  
Samuel Drenth  
Bailey Goos  
Hillary Horst  
Troy Kane  
Adam Koppes  
Mikayla McDonald  
Matthew Mensing  
Aaron Palmer  
Haley Peden  
Andrew Platner  
Jake Rouse  
Dustin Smith  
Kaleena Westaby  
Kassi Williams

**Harold L. & Esther G. Wilcke Scholarship**  
Patricia Anderson  
Caroline Mohling

**Helen M. Maddock Scholarship for Women in Animal Science**  
Taylor Lysne

**Iowa Poultry Assoc Scholarship in Honor of Tom J Zanios**  
Stacey Roberts  
Christine Weirich

**Iowa Turkey Federation Scholarship**  
Clinton Hodson

**James J Kiser Scholarship in Animal Science**  
Michael Slattery

**Jeff Hansen/Iowa Select Farms Pork Industry Scholarship**  
Justin Kuecker  
Paul Thomas

**John Airy End Grad Scholarship**  
Tsengeg Purevjav

**Kermit & Janis Coggs Hall Scholarship in Animal Science**  
Sarah Graham

**L. L. Christian Undergrad Scholarship in Animal Science**  
Melissa Reed  
Emily Weber

**Lauren L. Christian Grad Fellowship**  
Robert Fitzgerald

**Lilly Merit Academic Merit Award**  
Kirsten Carew  
Holly Lenz  
Melissa Lind  
Michael Slattery

**National Dairy Board Scholarship**  
Kaitlan Hanson

**National Meat Association Scholarship**  
Lee Christiansen  
Garrett Skaar

**Ned S. & Esther Raun Grad Scholarship**  
Wan-Gang Zhang

**Northwest Feed Manuf. Assoc. Scholarship**  
Trisha Grevengoed

**Palmer & Sheryl Holden Int. Travel Scholarship**  
Heidi Gansen  
Alexandra Glenn

**Paul Tonderum Horse Program Scholarship**  
Holly Lenz

**R. W. "Dick" Whitt Scholarship**  
Casey Balvanz

**Rex Beresford Scholarship in Animal Science**  
Brianna Adamic

**Richard & Nancy Degner Scholarship**  
Brandon Ledger  
Brady McNeil

**Robert E. & Dorothy B. Rust Undergrad Scholarship**  
Adam Krause  
Chelsea Wetjen

**Rufus Chauncey Obrecht Scholarship**  
Jesse VanWaardhuizen

**Solon A. & Dorothy F. Ewing Animal Science Scholarship**  
Danielle Bonefas  
Sabrina Flores  
Jamie Herman  
Bethany Seward

**T. Joseph Morrissey Memorial Scholarship**  
Jeremy Burkett  
Mallory Salazar

**Thomas Ringkob Scholarship in Animal Science**  
Jenna Dixon

**Thomas Sutherland Grad Excellence Award**  
Weiguo Cai

**Tom & Corrine Lonergan Scholarship**  
Corey Van Otegham

**Tom & Janie Wickersham Scholarship**  
Kristopher Michalson

**W. C. Bryant Scholarship**  
Tonina Desimone  
Laura Rosenbohm  
Garrett Skaar  
Isaiah Spath  
Crystal Wagner

**World Pac International USA Graduate Scholarship in Meat Processing**  
Adam Krause  
Brian Krause  
Kohl Schrader

**World Pac International USA Undergraduate Scholarship in Meat Processing**  
Shayleen Harrison

## Animal Science Student Awards 2008

**2008 AMSA Undergraduate Scholastic Achievement Award**  
Amanda King

**College Marshal at spring Commencement**  
Lucas Carlstrom

**North American Intercollegiate Dairy Challenge Second Place Platinum Award**  
Doug Bjelland                      Katie Phipps  
Matt Jaschen                         Tim Rauen

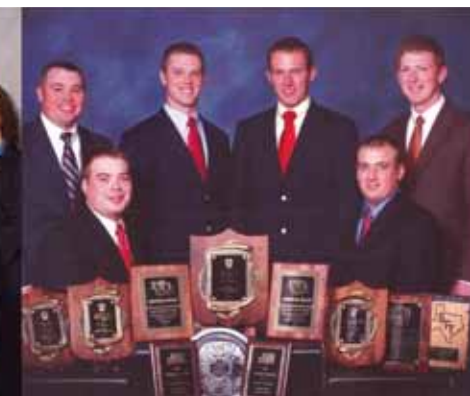
### Students win ISU and national awards

The past year was very successful for awards and recognition for the department's students. For the second straight year, the department garnered both major Ag Council individual awardees: Dairy Science students **Jessica Tekippe** and **Matt Jaschen** were selected as Ag Man and Woman of the Year. Jessica also finished her year as President of the national ADSA student affiliate and was selected as the top student in the nation to receive the Genevieve Christen Outstanding Student Award from ADSA. Jessica and Matt were also selected as first and second place winners of the National Dairy Shrine awards for their outstanding leadership skills. This is the first time that ISU has captured both first and second place in this prestigious competition.

2008 Animal Meat Evaluation Team



2008 Livestock Judging Team



2008 ISU Block and Bridle Executive Committee



2008 ISU Block and Bridle



# Animal Science Faculty Awards 2008

**25 Year Award** Iowa State University  
**Kay Christiansen**  
**Ted Huiatt**  
**Steve Nissen**  
**Greg Palas**  
**Dan Loy**

**35 Year Award** Iowa State University  
**Jeff Berger**  
**Thomas Sandve**  
**John Simonson**

**Advisor of the Year**  
**Max Rothschild** Sports Club Council, Iowa State University

**Animal Industry Service Award**  
**John Mabry** American Society of Animal Scientists

**Award for Student Recruitment and Retention**  
**Douglas Kenealy** College of Agriculture and Life Sciences

**Bailey Research Career Development Award**  
**Mike Spurlock** Iowa State University

**Bouffault International Award**  
**Max Rothschild** American Society of Animal Scientists

**Charles F. Curtiss Distinguished Professor**  
**Joseph Sebranek** College of Agriculture and Life Sciences

**Dean's Citation for Extraordinary Contributions**  
**Joe Detrick** College of Agriculture and Life Sciences

**Distinguished Achievement in Agriculture**  
**Lloyd Anderson** Gamma Sigma Delta, Iowa State University

**Distinguished Teaching Award**  
**Steven Lonergan** American Meat Science Association

**Lush Animal Breeding Award**  
**Jeff Berger** American Dairy Science Association

**Mission Award in Research**  
**Joseph Sebranek** Gamma Sigma Delta, Iowa State University

**New faculty initiate**  
**John Mabry** Gamma Sigma Delta, Iowa State University  
**Ken Stalder** Gamma Sigma Delta, Iowa State University

**Outstanding Advisor**  
**Phillip Spike** College of Agriculture and Life Sciences

**President**  
**Donald Beitz** American Dairy Science Association

**Regents Faculty Excellence Award**  
**Jim Russell** Board of Regents

**Young Animal Science/Dairy Science Leader Award for Research**  
**Jim Reecy** Midwest American Society of Animal Scientists/American Dairy Science Association



## In Memoriam

1934	John Clough, BS	Palatine, IL	1/10/2008	1952	Max Harland, BS	Perry, IA	7/6/2008
1935	Arlo Hagge, BS	Cedar Rapids, IA	4/14/2008		Philip Larson, BS	Mission, TX	10/12/2008
1936	Frank Nelson, PhD	Tucson, AZ	1/7/2008	1955	Robert Mahoney, BS	Mason City, IA	4/25/2008
1937	William Cravens, MS Dwight Willet, BS	Ft. Wayne, IN Woodbine, IA	10/21/2008 1/18/2008	1956	Donald Funk, BS	Gold Canyon, AZ	8/15/2008
1938	Max Henryson, BS John Morris, BS	Iowa City, IA Washington, IA	2/1/2008 12/18/2007	1957	Maynard Krug, BS Jack Leslie, BS	Story City, IA Saline, MI	9/28/2008 4/17/2008
1939	Richard Bruene, BS Maynard Pechman, BS Donald Roberts, BS	Marion, IA Des Moines, IA Lincoln, NE	4/21/2008 4/26/2008 5/26/2008	1959	Darrel Goll, MS	Tucson, AZ	7/22/2008
1940	Roy Arnold, BS	Klemme, IA	5/6/2008	1960	Lawrence Grulke, BS	Scottsdale, AZ	1/1/2008
1947	Norman Atwood, BS James Auld, BS Forest Baker, BS Grant Harris, BS John Miller, BS	Fairfield, IA Roland, IA Oakland, IA Urbandale, IA	7/23/2008 6/30/2008 5/5/2008 1/12/2008 1/27/2008	1963	James Hosch, BS Daniel Murphy, BS	Elkader, IA Scottsdale, AZ	6/13/2008 4/24/2008
1948	Wilbur Biederman, BS Robert Wood, BS	Osage, IA Hot Springs Village, AK	4/3/2008 1/2/2008	1964	Manzur Ahmad, MS Ray Oelkers, BS		2/8/2008 7/22/2008
1949	Harold Godown, BS James Hodges, BS Delbert Nelson, BS Lyle Potter, BS	Ames, IA Burlington, IA Dubuque, IA Portland, OR	10/25/2008 12/20/2007 10/6/2008 4/24/2008	1965	Douglas Phelps, BS	Tipton, IA	1/23/2008
1950	John Allen, BS Alva Grout, BS Thomas Holm, BS George Lancaster, BS John Legg, BS Carl Martin, BS Barrie Watson, BS	Bismarck, ND Nevada, IA Leawood, KS Kansas City, MO Santa Rosa Beach, FL Colorado Springs, CO Mentone, AL	9/10/2008 2/7/2008 9/18/2008 5/7/2008 3/16/2008 3/31/2008 10/11/2008	1966	Gerald Ackerman, BS Dennis Anderson, BS	Logansport, IN Carroll, IA	2/22/2008 3/16/2008
				1967	R. Dean Thomas, BS	New Sharon, IA	12/26/2007
				1969	W. Thomas Bell, BS Ronald Irwin, MS	Council Bluffs, IA Marion, IA	5/26/2008 7/20/2008
				1970	Margaret Kelly, BS	Lynn Center, IL	12/20/2007
				1978	Roger Nailor, BS	Scranton, IA	5/1/2008
				1979	Ronald Owen, BS	Ames, IA	3/26/2008

*(This list contains the names of alumni that have passed away since the last animal science newsletter. Names appear by class and degree, last home of record, and date of death.)*

## Charles F. Curtiss Distinguished Professor in Agriculture and Life Sciences

In September, **Dr. Joseph Sebranek**, affectionately called Dr. Joe, was recognized as a Charles F. Curtiss Distinguished Professor in Agriculture and Life Sciences. This honor comes in part due to Dr. Joe's reputation as one of the world's most prominent scientists in meat processing as well as his exceptional teaching abilities that have earned him eight awards. He has been heavily involved in researching different processes that affect the safety of meat, such as chemical reactions that occur during meat curing and the amount of irradiation necessary for the production of safe processed meats. In addition to research, teaching, and publishing more than 450 peer-reviewed papers, Dr. Joe is the Director of Graduate Education for the department and reviews all of the graduate applications. He is one busy professor but always has time for a friendly conversation and may be seen sporting green and gold in honor of his native Wisconsin's Green Bay Packers.



Dr. Sebranek and Dr. Hogberg



Meat Science graduate students

# IOWA STATE UNIVERSITY

## Animal Science Department

Iowa State University  
1221 Kildee Hall  
Ames, Iowa 50011-3150

### Your support to Animal Science makes a difference!

Generous gifts from our alumni, corporate sponsors, and other partners enable the Animal Science Department to continue its tradition of academic excellence. Your contributions to the Animal Science Department Fund make a lasting impact on our program and the success of our students through initiatives that include:

- Providing scholarships and fellowships for recruiting and retaining students
- Supporting student leadership groups
- Awarding seed money for new projects
- Funding access to state-of-the-art technology through new equipment purchases and laboratory renovations
- Providing travel for judging teams

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**1221 Kildee Hall**  
**Ames, Iowa 50011-3150**

The Animal Science newsletter is published annually. Your comments and alumni updates are welcomed. Please contact:  
**Peg Uthe, Program Coordinator**  
**Department of Animal Science**  
**1221 Kildee Hall, Ames, IA 50011**  
**Phone: 515-294-4524 · Fax: 515-294-6994**  
**Email: [pluthe@iastate.edu](mailto:pluthe@iastate.edu)**  
More news and updates can be found on the department's Web site at  
**[www.ans.iastate.edu/](http://www.ans.iastate.edu/)**



AGAS (Association of Graduate Animal Scientists) is offering department apparel. Check out what they have available on their  
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