Four Animal Science Faculty Awarded Omtvedt Innovation Awards

Four UNL Department of Animal Science faculty members Chris Calkins, Rodger Johnson, Steve Jones, and Sheila Scheideler were honored in October as the first Omtvedt Innovation Award winners.

"Their research and creative activities are sources of pride for the Institute and their department," NU Vice President and IANR Harlan Vice Chancellor John Owens said at the awards presentation. "These four awards are for outstanding examples of strong, innovative work of benefit to the beef, swine and poultry industries, our producers and consumers."

Calkins and Jones were part of a collaborative team awarded the 2004 International Meat Secretariat Prize for Meat Science and Technology for outstanding beef muscle profiling research, the first U.S. research team so honored.

Calkins' research has helped add more than $50 to $70 to the total price of each animal marketed, via development of the flat iron steak and the petite tender. More than 1,300 restaurants serve the flat iron steak and the prospect is for 10 million pounds of them to be sold annually.

Johnson's research in genetic selection in pigs has resulted in vastly increased litter sizes. He developed the unique Nebraska Index Line, the only university-developed swine line released to commercial industry in the last 30 years. Johnson researched the genetic mechanisms involved in resistance to Porcine Reproductive and Respiratory Syndrome and is working to find the genes in pigs responsible for disease resistance.

Jones was one of the first in his field to use computer-based presentations in undergraduate classes. He has developed a web site, bovine.unl.edu, which is available in five languages and on track to receive almost 1 million hits this year.

Scheideler recognized the need for increased human intake of Omega 3 fatty acids, known to reduce heart disease risk factors. Her research led to Omega Eggs, which look, taste, and cook like ordinary eggs but are a much richer source of beneficial Omega 3 fatty acids. Scheideler now helps poultry producers adapt technology to produce products in consumer-friendly ways through proper housing and nutrition.

The Omtvedt Innovation Awards were made possible through a generous contribution to the University of Nebraska Foundation by Leone and the late Neal Harlan. Both Lee and Neal are UNL graduates. Neal graduated in 1953 with a major in Animal Science and was a member of the Block and Bridle Club. He served as President and CEO of Scouler Grain Company in Omaha prior to his retirement. The Harlans honored Irv Omtvedt on his retirement as NU Vice President and IANR Vice Chancellor by contributing funding to establish an endowment to support these awards. Each recipient received an IANR Distinguished Achievement Award Watch and a $5,000 stipend to be used at their discretion.

On learning of the award recipients, Omtvedt said "Wanda and I are extremely pleased to see these faculty recognized for their innovative scholarly accomplishments. Singling out these four faculty to receive this prestigious award made possible by the generosity of the Harlans establishes a high standard of excellence for future award recipients."

Animal Science Leadership Academy

The Animal Science Leadership Academy (also known as ALA throughout the Department) is a great program that helps students become professionals within the Animal Science Industry. This program is associated with the Agriculture Leadership, Education, and Communication (AgLEC) Department to help instill valuable qualities such as leadership, communication, and technical skills that many employers are looking for.

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From the Department Head’s Desk

A n optimist stays up until midnight to see the New Year in. A pessimist stays up until midnight to make sure the old year leaves”, Bill Vaughan- the Kansas City Star. I started 2004 a dedicated optimist, and even though the challenges were greater in number and degree of impact, I start this year with no less enthusiasm. The New Year is here, and I hope it brings new hope, wisdom, prosperity and peace to each and every one of you.

We are involved in a UNL-wide strategic planning process started late last fall. By the end of January we will submit targets for short and long-term goals and objectives to achieve excellence, plans for enrollment and diversity management, requests for faculty position hires, building renovations, and equipment needs. Strategic planning has been a continuous process in IANR over the past five years, but this is the first time in recent history that a UNL-wide activity has been initiated.

The Animal Science and Statistics Departments created a new Research Assistant Professor position for Dr. Kathy Hanford, who started in August. Kathy will teach Statistics courses and conduct research in the areas of gene expression and genomics data analysis. The Dairy Nutrition research and extension faculty position was filled when Dr. Paul Kononoff joined the Department last October. Paul's planned work on forage quality assessment, enhancing nutrient use from forages and enhancing use of grain processing co-products in dairy rations will sustain a valuable research and extension program in the Department.

We made good progress with the research feedlot expansion projects at ARDC (Mead) and the Panhandle Research and Extension Center. Chancellor Perlman visited with faculty and staff at the ARDC to relate his views on the state of the University and to answer questions of those present. He, Meg Lauerman, Director of the Office of University Communications, and Michelle Wait, Assistant to the Chancellor, toured the dairy milking parlor so they could better understand our needs for a new facility.

The number of incoming Animal Science majors was down slightly, but we are at the same enrollment as in 2003 when numbers were up about five percent over the previous year. Negotiations for a new UNL agreement with Veterinary Colleges to accept Nebraska residents into their program are nearing completion. Student recruitment remains a very high priority for Animal Science, CASNR and all of UNL. New undergraduate scholarships were awarded this year, and total undergraduate scholarship support exceeded $35,000. Increasing freshman scholarships is critical for encouraging students to pursue their undergraduate education in Animal Science at UNL.

Our first-ever Beef Leadership Symposium for high school students was a resounding success. Thirty students registered for the 2004 event. Twelve seniors participated and six enrolled in CASNR last fall. Funding for a larger participation April 17-19, 2005, is well underway. We are optimistic that funding to accommodate 50 students will be achieved. An associated beef industry study tour will be added to the program this year. This symposium benefits not only the students and the beef industry, but it should also encourage enrollment in CASNR and Animal Science.

Animal Science Complex enhancement continued with addition of new multimedia equipment to a general purpose classroom (A130) and conversion of A228 to movable seating format for spring semester. We are also working through much-needed deferred maintenance of research animal holding rooms and supporting facilities and equipment. These improvements are required to maintain Institutional Animal Care and Use compliance.

Research, teaching and extension program funding was maintained or increased compared with 2003, and some novel new programs were well received. Faculty organized outstanding symposia, conferences, workshops, and ongoing high-impact programs. International outreach remains a focus for the Department. Ted Doane is leading the instruction of 16 students enrolled in the 38th Japanese Agricultural Training Program from January through March, 2005. Animal Science study tours to Mexico and Denmark provided students invaluable awareness and perspectives on international livestock and food production issues and challenges. See the newsletter article under “International Activities” about the FIPSE study tour to Mexico for details. Dr. Daniel Pomp spent a month in Tibet teaching faculty at the Tibet Agricultural and Animal Husbandry College about advances in genetics and application of molecular biology to animal science.

All four judging teams were active and successful in 2003-2004. The Equestrian Team continued to grow in popularity and success and will host another collegiate competition in the Animal Science Arena on April 9. Plans are being developed to enhance the décor of the arena and make it a recognized “point of interest” on East Campus to promote wider use and greater visibility to the public.

Recognition of excellence among Animal Science faculty (present and emeriti), staff, students and alumni continues at a high level in the Department. There are now three named professorships in the Department with the creation of the Irv and Wanda Omtvedt Professorship, to which Dr. Rodger Johnson was named July 1, 2003. Additional recognitions through the Omtvedt Innovation Awards, funded by alumni Leone and the late Neal Harlan, were received by four faculty this fall. Eleven faculty and staff and 15 graduate students received awards or fellowships. Take a look at the “Beef Top 40” article to see special recognition of long-standing contributions of UNL and MARC animal scientists to the beef industry.

Looking ahead, I am encouraged by the good success
among faculty, extension educators, students and staff in their collaborative and independent efforts to advance animal agriculture in Nebraska and beyond. Clientele extol the value of these programs. Students continue an excellent record of job placement and professional educational pursuits. Although our highest priority mission is student education and training, we are also committed to maintaining excellence and improving research and extension activities.

Please let us know how you think we can do better in all aspects of programs and activities in Animal Science. Alumni provide a valuable perspective that we rely on to evaluate the effectiveness of our teaching, research and extension programs. I also ask that you consider making a financial contribution to our UN Foundation accounts that support scholarships, student travel and participation in judging teams and program enhancement. Again, best wishes for an exciting and fruitful New Year.

Animal Science Leadership Academy
(continued from page 1)

in college graduates. Throughout the course of 4 to 5 semesters, students complete many activities and assignments that help them develop into professionals. During the first semester, students complete 3 job shadows, a portfolio, attend a professional meeting, and participate in a symposium. The second semester they work on professional posters and write proposals. The third semester was focused on service learning within a community. Group two of ALA chose the Animal Science Department as our community and started an internship website on the Animal Science webpage. Finally, in the fourth semester students completed an Internship and Leadership Development Plan. This year’s class of students (group 2) is in the final semester of ALA. Students are currently presenting their goals and objectives for their internship and finishing up their Leadership Development Plan. All of these activities are focused on making the student more valuable to an employer by being educated, well-informed, and enhancing leadership skills.

(Contributed by Mollie Grim)

New Faculty

Dr. Paul Kononoff joined our faculty on October 1, 2004 as Assistant Professor/Dairy Nutritionist. Paul received his B.S. (1995) and M.S. (1998) degrees in Animal Science from the University of Saskatchewan and his Ph.D. (2002) in Dairy and Animal Science from the Pennsylvania State University. Upon graduation, he worked for Renaissance Nutrition, Inc., Roaring Spring, PA as a ruminant nutritionist/technical support specialist and then in 2003 he worked as a research scientist – Ruminant Feed Analysis Consortium at the University of New Hampshire.

Paul’s research interests are focused on understanding the relationship between forage quality and ruminal fermentation in lactating dairy cattle. During the past seven years he has studied manipulations on forage particle size and evaluated these effects on feed efficiency, milk production, composition and rumen fermentation. He has applied fundamental principles and techniques surrounding the study of rumen fermentation and subsequently linked the findings to whole animal pursuits. His primary objective of this research is to extend the current understanding of the biological basis underlying gross physiological or metabolic changes and ultimately apply them at the production level.

Alum Earns First Degree in Culinology

Donal Moss of O’Neill received his B.S. in December 2003 in Animal Science (Meat) and culinology. This is a joint program that gives students a combination of skills in food science, nutrition and culinary artistry. The culinology program is offered by UNL and Metropolitan Community College in Omaha. MCC and UNL are the first two-year and four-year institutions in the nation to offer a program in culinology approved by the Research Chefs Association.

Culinology teaches commercial food preparation and food science to bridge the gap in the industry between the scientist and the chef. Graduates can work with product development teams in the food processing industry or for restaurants creating new products. Don is currently working toward his M.S. degree in the Meats Area in Animal Science under the direction of Chris Calkins.
Middle School Science Teacher Learns About Research First Hand

Jesse Andres, a Middle School Science Teacher at St. Labre Indian School, Ashland, MT, obtained an American Physiological Society Fellowship to work jointly with Dr. Joe Ford (USDA Meat Animal Research Center) and Dr. Andrea Cupp (University of Nebraska-Lincoln) on the project, "Comparisons in Cell Death and Proliferation during Testis Development in Meselian and Large White Pigs." Jesse spent last summer working on this project in Dr. Cupp's laboratory. For his research project, Jesse evaluated histological sections of testes from Meselian and Large White pigs provided by Dr. Ford and MARC to determine numbers of cells undergoing cell death or cell proliferation. In these two lines of pigs there are extreme differences in testis size and composition with the Meselian being smaller with less seminiferous tubule area and less Sertoli cells. Normally, the more Sertoli cells within the testis the greater the spermatogenic capacity of the male. However, both breeds produce the same number of sperm cells per gram of testis even though the Meselian appear to have much less Sertoli cells. We developed the hypothesis that there may be increased efficiency of Meselian Sertoli cells to produce germ cells through alterations in cell death or proliferation. Through this summer experience Jesse got first hand experience with designing experiments, testing a hypothesis, collecting data and statistically analyzing those data. Jesse is utilizing the knowledge and skills that he developed this summer to implement several new lessons about cell growth and proliferation, concepts about scientific research, and how to test a scientific hypothesis to his middle school science class at St. Labre. He also collected enough data and histological images to develop independent research projects for several of his students. Drs. Ford and Cupp both agreed that having a middle school science teacher like Jesse interact with them this past summer was a refreshing and exciting experience!

(Contributed by Andrea Cupp)

Former Department Head to Retire From University of Wisconsin

Elton D. Aberle, Dean of the College of Agricultural and Life Sciences (CALS) at the University of Wisconsin-Madison since 1998, has announced that he will retire on September 1, 2005. Aberle served as the Head of the University of Nebraska Animal Science Department for 15 years until he accepted the Wisconsin position. This will be his second retirement; in order to retain ties with Nebraska, Aberle retired at the time of his departure and is Professor Emeritus of Animal Science. Aberle's Wisconsin retirement will cap a 38-year academic career that also included a faculty position in the Department of Animal Sciences at Purdue University.

As Dean of CALS, Aberle has led a college that enrolls more than 2,200 undergraduates and about 1,000 graduate students, and has an annual budget of more than $150 million. CALS also has a strong extension and outreach mission, with 12 agricultural research stations across the state. "Aberle is known for his steady leadership and for the college's efforts to bring scientific discoveries to the agricultural and food industries," said UW Chancellor John D. Wiley. Wiley also said, "Dean Aberle has been a vital link between the work of the college and the work of Wisconsin farmers, the agribusiness industry and life science researchers across the nation."

Aberle, a native of Sabetha, Kansas, and his wife, Carrie, have two daughters. It is believed that after retirement the Aberles will spend time visiting their daughters and families which include twin granddaughters in Des Moines and a granddaughter and grandson in the New York City vicinity. Abe will, no doubt, also pursue his hunting, fishing, and golfing interests.

Sahs Exhibition Hall Named After Former Director

Nearly 100 people recently attended a special event at the Agricultural Research & Development Center (ARDC) to formally name the Exhibition Hall in the Research and Education Building the "Warren Sahs Exhibition Hall."

Warren was working in India when he was asked to return to Nebraska and become the first Director of
ARDC, and he served in this role from 1962-1991. One of his greatest accomplishments was securing funding for the construction of the Research and Education Building at ARDC. Sahs lobbied for the building for 15 years.

The Research and Education Building has played a crucial role in the development of ARDC allowing programming efforts that were not feasible prior to the construction of the facility. Sahs was the driving force behind the construction and some of the unique features that were programmed into the building. One of these unique elements is the Exhibition Hall. The room opens into an auditorium and is also designed to bring in large-scale equipment, such as combines and tractors.

The Sahs family was well represented at the event, as were many friends, family, neighbors and past co-workers.

**Activities**

**Animal Science Graduate Student Association (ASGSA)**

Jennie James, New Mexico – President
Jason Scheffler, Minnesota – Vice President
Dawn Sherwood, Montana – Treasurer
Becky Bott, Missouri – Secretary
Ryan Gordon, California – Sergeant at Arms
Ted Doane – Junior Advisor
Galen Erickson – Senior Advisor

**ASGSA Activities**

The Animal Science Graduate Student Association (ASGSA) held their 2nd Annual Golf Classic at the HiMark Golf Course in Lincoln on August 14, 2004 which was very popular with the participants. The graduate students would like to thank the participants and businesses that donated prizes. This fall semester, the students helped the Nebraska Cattlemen with the Beef Pit at the Nebraska State Fair. They also held a Barbecue Cook-off this fall. The club is approaching their fundraising goal of activating an endowment account to start earning interest that may be used to help fund their travel to conferences and professional meetings in the future. The club would like to thank everyone who has contributed to this fund, and hopes that future support of their fundraising activities are as successful. To raise money this year for their activities the students helped man the State Fair Foundation booth selling T-shirts and other souvenirs. One of the club’s biggest fundraisers is selling Fresh Nebraska Turkeys which has proven to be quite successful.

Future activities are the Bud Britton Golf Tournament and having a spring luncheon that would benefit the endowment fund, as well as some social activities.

**Bud Britton Golf Classic**

The Bud Britton Golf Tournament is tentatively scheduled for May 13, 2005 at Mahoney Golf Course. This event is an opportunity for graduate students, faculty, staff and alumni. For further information contact Galen Erickson at (402) 472-6402 or e-mail him at geericks@unlnotes.unl.edu.

**Ambassador Activities**

Promotion, recruitment and tours have kept the UNL Animal Science ambassadors busy this year. The Ambassadors hosted the first Animal Science Internship Fair on Thursday, October 7, 2004. The program started at 6:30 p.m. with current and prospective students meeting faculty and company representatives. After pizza, six current Animal Science students gave presentations on internships they had completed the past summer.

Brent Nelms talked about his E.Coli research internship with the University, Beth Maricle spoke on her internship with Danbred, Dan Adams spoke about his
internship with Tyson Meats, Ashley Lewis discussed her internship with a Quarter Horse Ranch, Lisa Kot shared her internship experience with the Henry Doorly Zoo and Christie McRae talked about her internship with State Farm Insurance. Faculty, current students and prospective students attended the presentations. Plans for next year’s internship fair are already underway.

In conjunction with the Animal Science Internship Fair, the Animal Science Overnight took place on October 7-8, 2004. The event was held with the Internship Fair so prospective students could learn about activities beyond the classroom. Each visitor stayed with a current Animal Science student in University Housing, allowing high school students the opportunity to ask questions about college and get a feel for University Housing. The next morning the group ate breakfast with faculty members, before attending the Animal Science 100 lecture.

Following the lecture the visitors experienced a mock Animal Science 100 Lab featuring: feed types, ultrasound, animal behavior, horses, meat and food safety and egg grading. The Animal Science Overnight was developed to provide high school seniors an in-depth look at the Animal Science Department. If anyone is interested in hosting a similar event please contact the department.

Animal Science Ambassadors also hit the road in recruitment on October 21, 2004 in Kearney, Neb. for “Going the Distance”. This program began last year in Scottsbluff, Nebraska to inform students in out-state Nebraska about the opportunities at the University of Nebraska-Lincoln and the Animal Science Department.

Faculty, student ambassadors, and alumni from the Animal Science Department were present to inform Central Nebraska area high school students about career opportunities, major options, and questions about the University. In addition to a brief program on options and extracurricular opportunities, a meal was catered by Skeeter Barnes.

UNL Animal Science Ambassadors have also kept busy by participating in CASNR Day, giving tours and arranging presentations for Crete High School students and corresponding with potential animal science students. While participating in CASNR Day, Animal Science Ambassadors were given the opportunity to promote the UNL Animal Science Program to over 50 prospective students.

Crete High School brought 13 students to the Animal Science Department where the Animal Science Ambassadors arranged a tour, and scheduled brief reproduction, genetics, meats and ruminant laboratory experiences for the students to participate in. Many of the UNL faculty participated in these events ensuring the success of both.

“The tour that you (Animal Science Ambassadors) put on was the best I have ever been on with students in my 28 years of teaching,” said Marc Wittstruck, Crete Agricultural Education Instructor, in a letter to the Animal Science Ambassadors.

Throughout the year Animal Science Ambassadors have been recruiting new students, starting in July when the ambassadors attended PEAK, an FFA Conference, to discuss the Animal Science Department. The Ambassadors continue to promote the department every day by writing letters to prospective students, with the aim of giving the Animal Science Department a personal feel to incoming freshmen.

Equestrian Team Successful Again

The UNL Equestrian Team is in the midst of another successful year. This group of horse enthusiasts practices and competes during both fall and spring semesters. Due to the great amount of interest in the team, and limited spots available, tryouts for membership were held for the first time. Nearly 60 UNL undergraduate students attended the informational meeting and less than half were chosen as team members. The Equestrian Team practices once a week in the Animal Science Arena on
horses owned by the Animal Science Department. Riders range from experienced Open and Advanced riders to Beginners. It's a great way for students with or without horse experience to be active on campus and meet new people.

The UNL Equestrian Team finished this semester with great success. The first 2 shows were hosted by the University of Wisconsin, River Falls. The team was off to a terrific start with a High Point Team and a Reserve High Point Team title as well as numerous placings by individual riders. The second set of shows was held in Iowa Falls at Ellsworth Community College. Our team earned two Reserve High Point Team titles that weekend. The final 2 shows for the semester were held here in Lincoln at the Animal Science Arena. The team managed to take Reserve High Point Team in both shows. Over the course of the semester several riders qualified to compete at the Regional Championship in April. In addition, we are in the hunt for the Regional Championship Team! The team is winding down with practices and shows for the semester, but we are excited about the spring semester. There are 4 more shows with the opportunity to qualify more riders for post season competition. The last regular season show will be on April 9, 2005, with UNL hosting the Regional Championship Competition being held on April 10, 2005 here in Lincoln. We are proud to be hosting this event and hope to have the support of family, friends, and the campus to cheer us on.

(Contributed by Libby Lugar)

Block & Bridle Activities

Sixth Annual Block and Bridle Steak Fry

The UNL Block and Bridle Club had their 6th Annual Steak Fry on September 10, 2004 at the Animal Science Complex. The club was able to serve the faculty, community, members, and students from 6:00 to 8:00 p.m. due to the donation of steaks from Excel. The Block and Bridle Club would also like to thank the Nebraska Cattleman, Cattlemen's Nutrition Services, Nebraska Beef Council, Clyde Naber, and Dr. Roger Mandigo for their donations and time to help sponsor our event. Block and Bridle would also like to thank the faculty and students who helped to make this year's Steak Fry a success.

Some Kansas State Block and Bridle members joined the UNL Block and Bridle by attending the Steak Fry. After the fine steak dinner, the Kansas State members toured the Animal Science facilities.

The Steak Fry is an event that is held by students and faculty to raise support for Club activities. Some faculty members served the food while others tended the grill. Students assisted in the festivities by setting up the benches and tables, taking tickets, serving the food, and taking down the benches and tables. This fundraiser and others allows the Club to do their events throughout the year. It helps with Kids Day, Big Red Beef Show, and the Annual Honoree Banquet for just a few examples.

Block & Bridle Calendar for Spring 2005

- National Meeting – January 14-16
- Kids Day – March 3
- MAEC (Livestock) – Open
- Big Red Beef Show – March 12
- State FFA – March 31 – April 1
- Honors Banquet – April 22
Dr. Rosie Nold was recognized with the Cooperative Extension Division’s Distinguished Specialist Award. Since her hire in 1998, Rosie’s major emphasis has been livestock quality assurance programming which targets youth. She has impacted other quality assurance programs nationally and has garnered more than $33,000 in grants to support these programs. Rosie developed the Premier Animal Science Events program for 4-H youth and keeps improving this program. In addition to her extension programs, she serves as recruitment coordinator, advises undergraduate student ambassadors, and chairs the selection committee for the freshman scholarships.

Wolverton 2004 4-H Hero’s Award

Doyle Wolverton, Professor Emeritus of Animal Science, received the 4-H Hero’s Award for 2004. Doyle is truly a 4-H hero because he has been involved with the Ak-Sar-Ben Livestock Show since 1962. He has chaperoned County delegations, served as 4-H beef and horse superintendents and as the 4-H Livestock Show Manager. Doyle served as the Extension Animal Science Youth Specialist at the University of Nebraska from 1980 until his retirement in 1997. He served as an Extension Area Livestock Specialist at Iowa State University before coming to the University of Nebraska.

He has been involved with the development of the regional 4-H Animal Science Curriculum Program and the 4-H Animal Science Total Quality Management Curriculum. He has participated in the 4-H animal science ethics program at the national level, in the activities of the North American Livestock Show and Rodeo Managers meetings, and worked with many of the volunteers involved in the livestock events. He has participated on the National 4-H Livestock Judging Contest committee for 22 years and is involved with the Ak-Sar-Ben Catch-A-Calf Program.
Matt Luebbe (Nebraska) – William G. Whitmore Student Travel Award

Jennifer McDonald (Missouri) – William G. Whitmore Student Travel Award

Jessica Meisinger (Iowa) – Midwest Representative for the Student Board of Directors of the American Meat Science Association

Roman Moreno (Mexico) – Ned S. and Esther B. Raun International Graduate Fellowship

Sarah Morris (Nebraska) – William G. Whitmore Student Travel Award

Jason Scheffler (Minnesota) – Milton E. Mohr Fellowship

Aaron Stalker (Colorado) – William G. Whitmore Student Travel Award, John & Louise Skala Fellowship

Robin Ten-Broek (California) – William G. Whitmore Student Travel Award

Angel Rios Utrera (Mexico) – Frank Baker Memorial Essay Contest

UNDERGRADUATE STUDENTS

Recognitions

Jill Wardell (Kirkland, WA) – Poster recognition in the Undergraduate Poster Competition at the Poultry Science Association meetings

Scholarships

Rachel A. Spatz (Pierce) – Mohr Scholarship

Michelle M. Pavelka (Bladen) – Mohr Scholarship

STAFF

Ruth Diedrichsen – Board of Regents Kudo Award

ALUMNI AWARDS

The following alumni received their awards at the joint ASAS/ADSA/PSA meetings:

Richard Frahm (BS, 61) – Rockefeller Prentice Award

Marshall Jurgens (B.S., 64; MS, 66; Ph.D., 68) – Teaching Category Fellow Award

John Paterson (Ph.D., 79) – Extension Award

UNIVERSITY SERVICE AWARDS

Don Huls (Extension Educator Affiliate) – 35 years

Ginger Mills (Swine Physiology Research Tech), Merlyn Nielsen (Faculty) – 30 years

Mike Brumm (Faculty/Haskell Agricultural Lab), Chuck Rezac (ARDC Feedmill Research Tech), Monte Stauffer (Extension Educator Affiliate), Walt Stroup (Courtesy Faculty/Statistics) – 25 years

Dennis Burson (Faculty), Ruth Diedrichsen (Nonruminant Nutrition Lab Manager), Jeryl Hauptman (Small Animal Lab Manager), Judy Huff (Ruminant Nutrition Suite Secretary), Steve Jones (Faculty), Duane Reese (Faculty), Mike Zeece (Courtesy Faculty/Food Sci. & Tech) – 20 years

Caryl Carstensen (ARDC Swine Unit Research Tech), Brian Lynch (ARDC Swine Unit Research Tech), Allen Specht (Business Manager), Darren Strizek (ARDC Dairy Unit Research Tech) – 15 years

Brian Bosshammer (Extension Educator Affiliate), Steve Gramlich (Extension Educator Affiliate), Chuck Hibberd (PHREC District Director with Animal Science Affiliation), Brent Plugge (Extension Educator Affiliate) – 10 years

Don Beermann (Department Head), Derek Petry (Swine Genetics Research Technologist), Doug Watson (ARDC Beef Feedlot Unit Research Tech) – 5 years

Notable Undergraduate

Rex Messersmith (B.S. ’52) was born and raised on a purebred Hereford ranch near Alliance, NE. His degree was in agriculture and after graduation he started in the communications business as radio/TV Specialist with the Nebraska Cooperative Extension Service. While working on his agriculture degree he served as Vice President in 1951 and President in 1952 of the Block and Bridle Club. He served as Farm Director for Radio WNAX at Yankton, SD and managed the 1960 National Soil Conservation Field Days and “World Ploughing Matches” near Sioux Falls, which hosted Richard Nixon, John F. Kennedy, and Lyndon B. Johnson as guest speakers. He was Executive Director for the Livestock Auction Markets in South Dakota, Minnesota, and North Dakota and served as manager of WNAX before moving to the “farmer-owned” station at Lexington, NE, where you continue to hear his voice on KRVN radio.

Rex is past president of the College of Agriculture Alumni Association, Nebraska Ag Relations Council and the Nebraska Agribusiness Club. He served as Executive Secretary and Communications for the Nebraska Livestock Feeders Association and manager of KRVN’s sister station KNEF in Scottsbluff, NE. In 1980 he started volunteering as announcer for the 4-H Beef Parade-of-Champions at the Nebraska State Fair, and is recognized as the voice for the Ak-Sar-Ben 4-H Swine show. He was spokesperson for the J.C. Robinson Seed Company of Waterloo, NE starting with them in 1956. Today he continues to promote all parts of agriculture in retirement! Rex and his wife, Wilma, reside in Lincoln.
Beef Top 40

As part of BEEF magazine’s 40th anniversary celebration their editorial staff recognized some individuals/teams who contributed to building today’s beef industry. Those they felt most worthy of the BEEF Top 40 designations that have Nebraska affiliations are:

Frank Baker (Department Chair from 1966-75) – Considered the father of the Beef Improvement Federation, which he founded in 1967 and actively supported until his death in 1993.

Paul Engler (Native Nebraskan and UNL Animal Science Alum) – He was one of the first individuals to introduce large-scale commercial cattle feeding to the Texas Panhandle. He successfully built Cactus-Feeders into the largest cattle feeding company in the world.

Larry Cundiff (USDA Scientist), Keith Gregory (Animal Science Alum and USDA Scientist), and Robert Koch (Animal Science Professor Emeritus and former Department Head 1959-66) – These individuals were recognized as the US Meat Animal Research Center team of researchers who have significantly improved the production efficiency and carcass merit of beef cattle worldwide.

Jack Maddux (Nebraska cattleman, former Block & Bridle Honoree, and University Supporter) – He was a member of the 1993 Long Range Planning Task Force that was recognized by BEEF magazine. This group developed the first beef cattle industry long-range plan resulting in an industry vision that called for creation of one organization to serve the industry.

James Wiltbank (Worked for University of Nebraska and USDA at Fort Robinson in early 1960’s) – Researcher in animal science and applied reproductive sciences and an educator committed to teaching his students to think and learn to solve problems. When he was at CSU, he developed a method for synchronizing estrus in beef heifers. This technology was used to create the Syncro-Mate-B treatment.

Deaths

U.S. Meat Animal Research Center Scientist

Jong-Tseng (J.T.) Yen passed away on November 30, 2004, after a brief illness. J. T. was born in Tainan, Taiwan. He received a B.S. degree in Animal Husbandry from National Taiwan University in 1964 and earned his M.S. in 1970 and Ph.D. in 1975 in Animal Nutrition from the University of Illinois. Dr. Yen was a postdoctoral associate from 1975 to 1978, first at the University of Illinois and then at the University of Missouri. In 1978, Dr. Yen joined the U.S. Meat Animal Research Center, Clay Center, NE, where he remained as a Research Animal Scientist until his passing. J. T. was a member of the Animal Science Department Adjunct Faculty and worked closely with our Department on a number of collaborative activities.

Dr. Yen established an international reputation as an intellectual leader in swine nutrition research. His work appeared in 288 publications. Dr. Yen’s research has spanned the entire life cycle of swine and addressed important nutritional problems that represent major constraints on efficient lean pork production. Dr. Yen is survived by his wife Lei-Hwa, a daughter Joyce, and a son James.

Death of an Alumnus

Raymond L. Arthaud, Professor Emeritus of Animal Science with the University of Minnesota, passed away on July 8, 2004, at 83 years of age. Dr. Arthaud was best known for his work in beef cattle management and his close working relationship with producers. Ray was reared on a general livestock farm near Cambridge, Nebraska. He received his B.S. degree from the University of Nebraska in 1947 with a major in Animal Science and a minor in Zoology. In 1952, Ray received a Ph.D. degree in Population Genetics from the University of Missouri. He then accepted a position as Geneticist at the Front Royal (Virginia) Beef Cattle Research Station on a joint appointment with the Agricultural Research Service-USDA and Virginia Polytechnic Institute. There he helped develop the procedures for the first state beef cattle improvement program in the U.S. Ray joined the Animal Science Extension faculty at the University of Minnesota in 1959 and retired in 1989. Ray’s sister and brother, Agnes and Vincent, were longtime members of the University of Nebraska faculty. Prior to their retirements, Agnes was first a member of the home economics faculty and then extension administration and Vince was a professor in the Animal Science Department. Ray and Vince spent many years volunteering at the Ak-Sar-Ben livestock show. They organized cattle at Ak-Sar-Ben in groups based on breed, weight, and quality. And, on Thursday morning, they blew a whistle for the “Fruit Basket Upset.” All that time, all the cattle were moved from their show stalls to their auction stalls all at once ... quite a happening!

William C. (Bill) Loeffel passed away on August 22, 2004. Mr. Loeffel was retired from Swift and Company and was the son of William Loeffel who was a Professor of Meat Science and served as an Animal Science Department Head from 1940 to 1959 here at the University of Nebraska. Bill and his brother, Frank, have continued the Loeffel Scholarships, established in their parents' memory, which have benefited many of our undergraduate students since their establishment.
UNL FIPSE Study Tour to Colonial Mexico

From August 9 to 19, UNL FIPSE sponsored an Agricultural and Cultural tour of Colonial Mexico. This trip was in conjunction with our United States Department of Education grant that allows our students to study in two Mexican and two Canadian Universities for a semester at no additional cost over UNL’s normal tuition fees. All credits taken at the other universities are transferred for credit to UNL. The two participating universities in Mexico are the University of Chapingo, located outside Mexico City, and the University of Chihuahau, and the two Canadian universities are the University of Manitoba and Laval University located in Quebec City. The trip was to give students and faculty an opportunity to experience the agriculture and culture of Colonial Mexico.

Taking the trip were a total of 9 UNL students and 4 faculty, as well as one student from Manitoba. There were 3 from Laval University, and 2 students and 2 faculty from Chapingo, as well as 2 faculty and 2 students from Oklahoma State University. Not only did our students and faculty get to experience Mexico, but it also gave them the opportunity to meet students from the two other countries.

The travelers left Omaha on August 9. During the stay in Mexico City, many cultural sites were visited: the Campus at Chapingo, the Zocalo, Temple Major, the National Palace, the Pyramids at Teotihuacan, the United States Embassy, and the beautiful city of Queretaro. Agricultural sites visited were the dairy and beef feedlot at Chapingo, CIMMYT, where the students were given a talk on the history of wheat and corn in the new world. They visited a 1,000 cow dairy near Queretaro, the Government Animal Research Center, and the produce market in Mexico City (the largest produce market in the world). These were just a few of the sites visited. One highlight of the trip was a visit to a village where the students helped prepare a native meal with the villagers. The villagers were able to ask our students anything they wanted to learn about the U.S., and likewise, the students were able to ask the villagers any questions they had about Mexico. Needless to say, the discussion was very interesting. From the feedback we have gathered, the students reported they really enjoyed the trip but they were certainly tired when the group arrived back in Omaha on August 19. (The faculty was also exhausted!)

Advantages of the trip were that students were awarded a $400 scholarship from the College to help defray expenses, plus they were awarded 3 free credits from the College for a study abroad trip. In order to receive the 3 credits, each student was asked to write a short paper on their impression of Mexico before leaving and then another paper on the return home telling how their perceptions had changed. Most students had their pre-trip paper deal with their perceptions of a border town—but did their perceptions change after visiting Mexico City (the largest city in the world)! They were impressed with the size and the modern aspects of the city. They were also impressed with the agriculture of Mexico as well as the deeply forested area the group encountered when driving from Mexico City to Queretaro.

Spring semester we will have two students from Mexico and one from Manitoba studying at Nebraska. Next fall semester we plan to send two students to Mexico from UNL. In future newsletters we will keep you updated on their study abroad. There are two pictures in this article that show the students at the University of Chapingo Administration Building as well as the produce market in Mexico City. For additional pictures, please go to the UNL web site at http://fipse.unl.edu

The Animal Science Department would like to acknowledge and thank Elizabeth Ribble of Bradentown, Florida, for helping to fund the FIPSE Study Tour to Mexico. Her gift was given to the University of Nebraska College of Agricultural Sciences and Natural Resources in honor of her brother, David W. Ribble.

(Contributed by Jeff Keown)
Faculty Member Teaches the Teachers

Daniel Pomp and his family recently spent a month at the Tibet Agricultural and Animal Husbandry College (TAAHC) in Bayi Town. Daniel was invited there to "teach the teachers" about advancements in animal genetics and molecular biology. In addition to providing a series of 15 lectures, Daniel spent time working in the DNA analysis labs at the TAAHC and helping their faculty understand how to operate equipment and design experiments. At 10,000 feet in elevation, the TAAHC is located in one of the lower areas of Tibet, a region of China known as the "Roof of the World". In addition to the time spent in Bayi Town, Daniel and his family were able to see other sights in Tibet, including the main city of Lhasa at 12,000 feet, and a monastery on a small island in the middle of a lake at 16,000 feet, surrounded by the amazing Himalayan mountains.

(Contributed by Daniel Pomp)

Emeriti News

Earl Ellington and Irv Omtvedt and their spouses (Norma and Wanda, respectively) spent two unique weeks in Greece during September. The trip was arranged by Irv’s daughter-in-law’s mother, who was raised in Greece and has maintained close ties over the years with her relatives and friends in northern Greece. There were 46 persons in the group and a number of the men had spent 1-2 years in Greece participating in the PAX program sponsored by the Mennonite Church in the 1950s, so this was an opportunity for them to return to Greece with their spouses. The group flew into Athens and then gradually worked their way through Corinth, Olympia, the western coast, the rugged Meteora region and on to northern Greece. They traveled over 1,000 miles by bus and took three island cruises prior to flying home from Thessaloniki. Having an opportunity to meet and interact with the people and to visit the rich historical sites with Greek hosts made this a once-in-a-lifetime opportunity for everyone.

Paul Guyer and his wife, Reatha, were able to go to Anchorage, Alaska this past February to usher in a new grandson and to bond with his big brother who is 2 years old. Upon their return they looked for a house in Taylor Greens that would make it easier for them. Don’t have to mow the lawn nor scoop the snow and have laundry facilities on the first floor. This home is only a few blocks away from their former home which they sold to their minister.

Gene Deutscher reports he is enjoying retirement living on a small acreage, with his wife, Judy, near North Platte. Since I had 30 years experience as a university beef reproductive specialist, I decided to get into the "real world" of cow/calf production. Our Nebraska research on heifer development, estrous synchronization and AI, and calving management has been put to good use. I have developed a seedstock herd of Black Gelbvieh X Angus cross cows. My partners and I are using the top Gelbvieh and Angus sires to produce "Balancer" composite bulls. These growthy bulls have great hybrid vigor and commercial producers like them for increasing heterosis in their herds. We have an annual bull sale. Visitors are always welcome. You can contact Gene at 308-534-9270.

Foster Owen sends greetings from Auburn, Alabama to all faculty, alumni and emeritus friends of Animal Science. He is especially enjoying the football season – with the Alabama team ranked near the top in all polls! Foster is wondering if he needs to come to Lincoln to get the Huskers to moving again? In November Foster and his wife, Bobbye Jean, took a Carnival Cruise to the Yucatan. Foster hoped he still had some residual benefit from the sea legs that he gained during his Navy days. He is busy with the Learning in Retirement organization. He often leads a course on Humor. To many of us that could be a funny thought itself! He signs off as War Eagle!!

John Ward says he continues to be very active in Senior Programs. He has served for 5 years as the Silver Haired Legislator for McPherson County and is state treasurer for that organization. He also serves on the County Council on Aging, South Central Kansas Council board of directors and chair of the local Senior Center board. John says along with these responsibilities he still has his hobbies and several other community activities which give him plenty to do.

Your Newsletter Leadership

Earl Ellington (Chair), Ted Doane, Jim Gosey, Jeff Keown, Duane Reese, Nancy Savery, and Minnie Stephens serve as the current departmental newsletter committee. The Animal Science Department has a long history of providing newsletters to its alumni and friends. Each year we hear words of satisfaction from several of you. We certainly encourage you to send us news items and any comments on how we might improve the newsletter.
Call for Information for the 2005 Summer Issue of the Animal Science Alumni Newsletter

All of us enjoy learning about classmates and other alumni from the Animal Science Department. We ask that you send information about yourself for the next issue of our alumni newsletter. You might include memorable events from your college days, such as classes, club activities, employment, teachers, friends and other items of interest. You might include what you have been doing since leaving campus, such as employment (when and where), participation in community activities, hobbies and other personal details that may be of interest. Please see back page for more information and how you may obtain additional departmental information and activity notices via e-mail.

Alumni News

1949

Robert W. Koehler (B.S. '49) and his wife, Frances (daughter of Dr. Marvel Baker), visited the Department recently and brought in a donation: a scale that Marvel Baker used in the 1930's to experiment with feed rations in his work at the North Platte Station. When he asked the Lincoln office for a scale, he was told "It is not in the budget," so he bought it himself. The scale will be placed in the Department's history room that is currently being developed for use by visitors and alumni in order for them to reminisce about activities, programs, and people from their college years.

Norbert Tiemann (B.S. '49) was this year's recipient of the CASNR Alumni Association Achievement Award. Prior to serving as Nebraska's Governor, he held positions with the Dawson County Cooperative Extension, the Nebraska Hereford Association, the National Live Stock & Meat Board, and the Wausa State Bank. After he left the Governor's office, he served as Vice President for corporate finance of First Mid-America and then as the US Department of Transportation's Federal Highway Administrator. He later moved to Dallas, Texas where he was employed with an architectural engineering firm until his retirement in 1987.

1961

Jim W. Kuhlman (M.S. '61) sends his greetings to all from Mason City, Iowa where he lives. Jim recently completed writing a book, "Reflections Through a Milk Bottle - the Nebraska Years," about his 12 1/2 years living in Nebraska, getting his M.S. degree at the University of Nebraska, and about being a part of the Nebraska Extension Service until February of 1972. He has generously donated a copy of the limited supply of the book to the Department and it will be kept on file in the history room that is being developed.

1973

David P. Smith (B.S. '73, M.S. '90) - David is an Associate Professor at the Nebraska College of Technical Agriculture (NCTA) at Curtis, NE. He just recently completed 30 years teaching in Animal Science areas such as Beef Production, Artificial Insemination, Nutrition, Breeding and Range Management. You can contact David through e-mail at dsmith4@unl.edu.

1986

Curt Arens (B.S. '86) - Curt writes and narrates a new radio show - "Farm to Family Connection." This is about family farmers and rural businesses that raise and sell locally-grown food and farm products. The show airs on KKYA - 93.1 FM radio and is based in Yankton, SD. He invites you to visit them on the Web at www.farmtofamily.net.

1997

Lisa (Ternus) Gronewold (B.S. '97) - Lisa is an Associate Veterinarian at Garver's Animal Health Center located at Albia, IA. The practice is a mixed animal practice involving mainly beef cattle and small animals. Her husband, Nate, and she recently purchased a 150 acre farm in southern Iowa. They are raising beef cows and a few sheep. Her husband is employed by Cargill in Eddyville, IA. Their first child, a daughter, was born in January 2004 and she is the highlight of their lives.
Calendar of Events

Beef:
- 12th Annual Bull Sale, April 16, 2005, Animal Science Arena hosted by Beef Cattle Merchandising Class, Lincoln
- 2nd Annual Nebraska Youth Beef Leadership Symposium, April 17-19, 2005, Animal Science Building, Lincoln

Swine:
- Nebraska Pork and Livestock Expo, February 2 and 3, 2005, Columbus

Horse:
- Equestrian Academy, February 1 – March 8, 2005, Tuesday evenings, UNL and over satellite
- Horsin Around ’05, February 5 and 6, 2005, Animal Science Complex, Lincoln
- 4-H Horse Judges Workshop, March 11, 2005, Animal Science Complex, Lincoln
- 4-H Horse Stampede, March 12, 2005, Animal Science Complex, Lincoln
- Nebraska 4-H Horse Project Leaders Workshop, April 2, 2005, College Park, Grand Island
- Intercollegiate Horse Show Association Regional Championships, April 10, 2005, Animal Science Arena, Lincoln

Poultry:
- Nebraska Poultry Industries Convention, March 9 and 10, 2005, New World Inn and Conference Center, Columbus
- Midwest Poultry Federation Trace Show and Education Workshops, March 15-17, 2005, St. Paul, MN

Other:
- Block and Bridle Honors Banquet, April 22, 2005, East Campus Union, Lincoln
So, you want to be a Veterinarian?

If you like working with animals and enjoy medical science, a career in veterinary medicine may be for you.

The journey to becoming a veterinarian

- undergraduate degree (Bachelor of Science)
- veterinary degree (Doctor of Veterinary Medicine)

Although completion of specific courses (including chemistry, biology and math) is required to be considered for admission to veterinary school, there is no specific major in which a student must be enrolled.

University of Nebraska–Lincoln

Two majors prepare students to apply for admission to veterinary colleges:

- Animal Science
  - emphasis on the animal as a whole (genetics, nutrition, reproduction)
  - more large animal medicine
- Veterinary & Biomedical Sciences
  - emphasis on the health of the animal (identifying and controlling disease)
  - more small animal medicine

A pre-professional program in Pre-veterinary Medicine is also offered at UNL. This is not considered an academic major, therefore a degree cannot be granted in “pre-vet”. Few students apply to veterinary college directly from a pre-professional program. Most will declare a major in which they can earn a bachelor’s degree.

www.animalscience.unl.edu • www.vbms.unl.edu
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<tr>
<th>UNL Animal Science and Veterinary &amp; Biomedical Sciences Majors</th>
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<tr>
<td><strong>Pre-veterinary medicine course requirements</strong></td>
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<tr>
<td>No differences between majors. An Animal Science major with pre-vet option or a Veterinary Science major both fulfill course requirements necessary for admission to the Kansas State University College of Veterinary Medicine (KSU CVM) and can be adapted to meet requirements for other Colleges of Veterinary Medicine or professional degree programs.</td>
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<td><strong>Admission to Veterinary School</strong></td>
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<td>Past UNL Animal Science and Veterinary Science majors have shown success in application and admission to the Kansas State College of Veterinary Medicine. Over the past three years, approximately 2/3 of UNL Animal Science and Veterinary Science majors interviewed have been admitted to the KSU CVM. Admission to the KSU CVM is based on GPA (especially science classes), GRE results, application (essay), and an interview.</td>
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<td><strong>What UNL has to offer</strong></td>
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<td>A comprehensive experience in learning about and working with animals; ranging from laboratory animals to livestock to equine. Extra-curricular activities include Pre-Vet Club, Block &amp; Bridge Club, livestock, horse and meats judging teams and many more. Opportunities to work with and take courses taught by veterinarians and animal scientists who are nationally recognized experts.</td>
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<tr>
<td><strong>Degrees granted</strong></td>
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<td>A Bachelor of Science degree can be completed in four years for either major. For students admitted to a veterinary college after three years of undergraduate study, a 3+2 program is available. Thus, a Bachelor of Science degree can be granted after three years of undergraduate study and two years of veterinary college.</td>
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<tr>
<th>Animal Science Major</th>
<th>Veterinary &amp; Biomedical Sciences Major</th>
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<tr>
<td><strong>Emphasis</strong></td>
<td>Veterinary Science focuses on providing a firm foundation for understanding the basic biological mechanisms that lead to disease, as well as disease resistance and immunity. Emphasis is on infectious diseases and microbiology, but also includes pharmacology and toxicology, and comparative aspects of diseases in humans and animals.</td>
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<td>Animal Science focuses on all disciplines of animal biology, care and management including nutrition, reproduction, genetics, applications of biotechnology, and animal products. Animal health is one component in the overall management of animals.</td>
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<tr>
<td><strong>Examples of required courses</strong></td>
<td>Pre-veterinary medicine course requirements are the same for both majors. Additional required courses include Anatomy and Physiology of Domestic Animals, Physiology and Management of Reproduction, Animal Nutrition and Animal Breeding.</td>
</tr>
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<td><strong>Interest in large animal medicine</strong></td>
<td>Curriculum provides the flexibility for students to earn a minor in Animal Science, by taking courses that complement the Veterinary Science focus on animal health.</td>
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<td>Seriously consider an Animal Science major. Courses in management, nutrition, physiology and related areas provide a background similar to that of the clientele of typical large or mixed animal practices.</td>
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<td><strong>Interest in small animal medicine</strong></td>
<td>Students that have career interests with an emphasis on small animal veterinary medicine should consider a Veterinary Science minor to emphasize animal health.</td>
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<td>A variety of Animal Science courses, such as Introduction to Companion Animals and Animal Welfare, are available. Also consider a Veterinary Science minor to emphasize animal health.</td>
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<td><strong>Other options available if interests change or if not successfully admitted to veterinary college</strong></td>
<td>A Biomedical Sciences option is offered for those with possible interests in other health related careers. Previous students have become dentists, pharmacists, physicians, nurses, chiropractors and other human health related professionals, as well as veterinarians. A Veterinary Technology major is also available and has both Science and Business options.</td>
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<td>Four other options in Animal Science, including Animal Biology, Business, Production and Management, and Animal Products offer many career opportunities that may focus on research, business, animal care and production, or food safety.</td>
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<td><strong>Ways to gain experience with large animals</strong></td>
<td>A high percentage of students spend at least one summer and/or have part-time employment during the academic year in a veterinary clinic. Many students gain valuable experience by working in the Veterinary Diagnostic Center or research laboratories; activities that count as veterinary experience in the application process.</td>
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<td>The Animal Production Skills class offers day to day practice in working with large animals, such as caring for pregnant females and newborn animals. One student wrote &quot;I think this course will be really valuable experience for my career as a veterinarian, since I had large animal experience.&quot; Students also have opportunities for summer internships at veterinary clinics, feedlots, ranches and other livestock systems.</td>
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<td><strong>Advising</strong></td>
<td>Students have a faculty advisor who is a graduate veterinarian, often with previous veterinary practice experience. Advisors have teaching, research or veterinary diagnostic responsibilities which may match student interest. A &quot;Peer Advising Center&quot;, with specially selected and trained students, is also available.</td>
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<td>All advising for course selection and career choices is done by faculty with 12 - 25 advisees. Students' interests are matched to faculty expertise. For example, students with an interest in horses would have a faculty advisor with expertise in horses.</td>
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<td><strong>Employment during academic year</strong></td>
<td>Approximately 50 students are employed part-time, either in laboratories focusing on virology, toxicology, bacteriology, immunology and other disease research, both human and animal; or as animal caretakers in the Animal Research Facility.</td>
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<td>Students gain practical experience through over 50 part-time jobs in the department, including animal care, teaching assistants, laboratory work in molecular genetics, reproductive physiology and many other areas.</td>
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The University of Nebraska–Lincoln does not discriminate based on gender, age, disability, race, color, religion, marital status, veteran's status, national or ethnic origin, or sexual orientation.
The ANIMAL SCIENCE DEPARTMENT is dedicated to providing quality educational opportunities and leadership to students and clientele with diversity in training and experience. Please help us in continuing to provide these opportunities by contributing to one of these funds.

Animal Science Discretionary Fund #2047

This fund was developed to provide a flexible source of funding to enrich and enhance our Animal Science programs. These enhancements help to ensure that our teaching, research, and extension programs remain at the cutting edge of science and are responsive to the needs of our students and stakeholders.

Animal Science Scholarship Fund #8110

The Animal Science Department has been fortunate to have a number of named funds contributed by alumni and friends that benefit our undergraduate and graduate students. These funds have been very instrumental in enabling our students to complete their education.

As part of the Department’s recruitment efforts, the Department’s scholarship program has been expanded to include Freshman Scholarships. This fund was established to assist in funding the Freshman Scholarships.

Animal Science Judging Team Fund #2194

The Animal Science Department is proud of the accomplishments and tradition our judging teams have established. Judging teams are an essential component of our undergraduate teaching program. Judging teaches many critical career skills beyond the techniques of animal or product evaluation. Judging team participation allows students to meet the leaders in our industry, visit outstanding livestock and horse operations and packing plants, and obtain excellent knowledge of U.S. animal agriculture. Professor R.B. Warren established this fund approximately 25 years ago, and it has been an invaluable source of financial support for the program.

All funds contributed directly benefit the students who are members of our teams through reimbursement of a part of their direct travel costs, meals, and lodging for workouts and contests.

Please direct my gift to:

$_________ Animal Science Discretionary Fund #2047
$_________ Animal Science Scholarships Fund #8110
$_________ Livestock & Judging Team Travel & Scholarship Fund #2194

Please mail your gift to: University of Nebraska Foundation
P.O. Box 82555
Lincoln, NE 68501-2555

My matching gift form is enclosed. If you or your spouse are employed for a company with a matching gift program, your gift could be increased! Contact your personnel office for more information.

£ I pledge $______ payable over ____ years (not to exceed five years) beginning _______ (month) of _______ (year).

Signature if making a pledge by credit card:

£ My check for $______, payable to the University of Nebraska Foundation, is enclosed.

Please charge by: £ Visa £ Mastercard £ Discover Card Number: ____________________________ Exp. Date____

Name ____________________________
Address ____________________________
City ____________________________ State____ Zip____
Animal Science Trivia

(Subject to Error)

Answers are located within the newsletter.

1. Who were the first, second and third females to be initiated into Block and Bridle and what year at the University of Nebraska?

2. Name the group and individuals ☑
3. Name the group
4. Name the group and individuals

5. Name the group and individuals
6a. Name this individual

6b. Name this individual

6c. Name this individual
PLEASE NOTE: In an attempt to improve our contact with alumni, the Department of Animal Science is in the process of developing an alumni e-mail listserv. If you would like to receive more frequent updates and news about the Department including upcoming events, please send us your e-mail address.

To keep us informed of your location, professional involvement and items of interest, please complete the following information sheet and return it to Vicky Kobes, University of Nebraska, C203 Animal Sciences, P.O. Box 830908, Lincoln, NE 68583-0908; e-mail: vkobes1@unl.edu. Should you know of Animal Science Alumni who are not receiving this newsletter, please let us know how we may contact them.

Name ___________________________________________ Date of Graduation ________________

Address ________________________________________ City ______________________________________

State ________________________________ Zip Code ________________________________

E-mail __________________________________________

Position, Company, Address:

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News Items, Comments, etc.

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