Another academic semester is already past mid-term. Our faculty and staff have been busy this summer and fall with a variety of projects, big and small.

In spite of a dry spring, our forage and feed grain crops yielded well and we are ready for winter, thanks to the long hours put in by our farm crew.

Many faculty and graduate students participated in a variety of meetings and conferences this summer. You can read about some of the awards they won in this issue. We were kept busy this summer welcoming new students at orientation and registration, and conducting Extension programs throughout the state. We had a number of large research projects that were carried out by our faculty, staff and students as well.

Once classes started in August, we made sure to connect with our new students at welcome events in Hultz and Robinson Halls and with the annual Ag Olympics event. Several faculty members offered resume and interviewing advice at an Ag Career Fair Prep Night and introduced students to industry personnel at the Poultry Networking Event in September.

We connected with more than 1,800 people (a record) at the annual Moos, Ewes and More event at the Equine Center on Oct. 8 and taught them about animal agriculture while they enjoyed a fun day of activities. We reconnected with our alumni and friends of the department and raised funds for student scholarships at the Green and Gold Get-together on Oct. 15.

Our Veterinary Technology program celebrated National Veterinary Technician Week with numerous events the week of Oct. 16-22. Our student organizations have been busy with things such as the 51st Bison...
Welcome continued from cover.

Stampede Rodeo, the BBQ Boot Camp tailgating event at Bison football games and the annual Saddle and Sirloin Club smoked turkey event. We even hosted a delegation from Belarus and the Budweiser Clydesdales! All of this and more has kept us busy between classes this summer and fall.

I thank all our faculty, staff and graduate students who have stepped up and helped out to carry the load during the state budget crunch. Keeping our department running is not easy when we are shorthanded, and I am extremely grateful to all of our personnel who have stepped up and worked hard to make sure we are still able to carry out our teaching, research and Extension programs.

Sincerely,

Greg Lardy
Department Head

Berg Receives AMS Award

Eric Berg, professor and associate head in the Department of Animal Sciences, received the 2016 Distinguished Teaching Award from the American Meat Science Association (AMSA) at the AMSA Reciprocal Meat Conference (RMC) on Tuesday, June 21.

The award, sponsored by the Kraft Heinz Co., was established to recognize excellence in the teaching of undergraduate and graduate meat science courses and the impact on the lives of those students in a highly positive manner.

Berg has taught numerous animal science courses. He also is very active in undergraduate and graduate student advising, and advises four M.S. students and one Ph.D. student. He has mentored eight M.S. and nine Ph.D. students. He also served as director of AMSA from 2006-2008 and was the RMC chairman in 2007-2008.

One-day Livestock Judging Camps

Fifty-five students attended the series of one-day livestock judging camps for youth ages 8 to 18 that were held in Fargo on June 3-4 and in Dickinson on June 13-14. Justin Crosswhite organized the camps.

Attendees at all camps learned about expected progeny differences and giving oral reasons for their judging decisions. Attendees also were able to interact with one another and learn through group activities.

Those who attended in Fargo also learned about cattle and sheep evaluation. Those who attended in Dickinson learned about swine evaluation. Chip Poland from Dickinson State University and the DSU Agriculture Department hosted the Dickinson camps.
Equine Industry Tour

Seven animal science and equine science students who were enrolled in the Equine Industry Tour class, along with course instructor Tara Swanson, traveled to Texas and Oklahoma in May. They visited a diverse array of equine facilities; learned about horse breeds, career opportunities and disciplines in the equine industry; and received words of wisdom and helpful tips from industry professionals.

Photos are available on the Equine Science home page at www.ag.ndsu.edu/equinescience/.

Faculty Changes

- **Travis Hoffman** joined the faculty as sheep Extension specialist on Monday, June 27. Hoffman grew up on a diversified sheep, cattle and crop operation in South Dakota, and his family runs 300 head of registered, nationally competitive Corriedale sheep. Hoffman received his B.S. degree in animal science from South Dakota State University in 2003. He received his M.S. (2008) and Ph.D. (2015) degrees in animal science with a meat science emphasis from Colorado State University. He served as the Colorado beef quality assurance coordinator from January 2005 to July 2013. He was an instructor of meat sciences at South Dakota State University from September 2015 until he began his position at NDSU. The Extension sheep specialist position is 75 percent Extension and 25 percent research. The Extension portion of the appointment is split between the University of Minnesota (one third) and NDSU (two thirds).

- **Justin Crosswhite**, lecturer and livestock judging coach, left NDSU for a new position as a clinical instructor in the Animal Sciences Department at Oklahoma State University. Justin had been at NDSU for four years. In his resignation letter, Justin indicated that he hoped his students “had learned a quarter of the amount that he had learned from them.” Justin’s last day was July 28.

- **David Newman**, Extension swine specialist, has taken a position as an associate professor of animal sciences at Arkansas State University, with a research appointment at the University of Arkansas. David’s last day at NDSU was Aug. 15. The position puts him back home in Missouri near his family.

Reynolds Named American Society of Animal Science Fellow

Larry Reynolds, university distinguished professor of animal sciences, was honored with a Fellow Award-Research by the American Society of Animal Science (ASAS) at the ASAS Joint Annual Meeting held July 19-23 in Salt Lake City, Utah.

The award recognizes people for distinguished service to the animal industry. Recipients must have been continuous members of ASAS for a minimum of 25 years.

A maximum of 10 fellows are awarded each year, with the average being about five out of 1,500 members. Only 500 members have been recognized as fellows during the 108 years of the society’s existence.

Reynolds was nominated by David Buchanan, associate dean for academic programs in the College of Agriculture, Food Systems, and Natural Resources at NDSU.

Reynolds’ other honors include the ASAS Animal Growth and Development Award, the ASAS Animal Physiology and Endocrinology Award, NDSU’s Eugene R. Dahl Excellence in Research Award and the 51st NDSU Faculty Lectureship.
Redmer to Retire in December

Dale Redmer, professor, will retire from NDSU effective Dec. 31. He has been on the faculty at NDSU since 1985. Dale has a B.S. ('78) in animal science from the University of Wyoming, and M.S. ('80) and Ph.D. degrees ('83) in reproductive physiology from the University of Missouri-Columbia.

He is the co-director of the Advanced Imaging and Microscopy Core Laboratory (AIM) at NDSU. He was a visiting scientist at the Rowett Research Institute (2001-2002) in Aberdeen, Scotland, and the Babraham Institute (1994-1995) in Cambridge, United Kingdom. He also was the director of the NDSU Cell Biology Center from 1989 to 1990.

Dale has been the recipient or co-recipient of 25 major federal grants totaling nearly $5 million during the course of his career. He also was the recipient of the Physiology/Endocrinology Award from the American Society of Animal Science (2011) and the Eugene R. Dahl Excellence in Research Award from NDSU in 2011.

The public is invited to a retirement reception for Dale planned for 2:30-4:30 p.m. in the Hidatsa Room of the NDSU Memorial Union, with a short program at 3 p.m., on Wednesday, Nov. 30.

Students Participate in Therapeutic Horsemanship International Trainings

by Erika Berg

The Equine Science program hosted a Professional Association of Therapeutic Horsemanship International (PATH Intl.) Equine Specialist in Mental Health and Learning (ESMHL) workshop and skills test May 16-19 at the NDSU Equine Center. The event was facilitated by two PATH Intl. faculty from Florida.

Of the 19 attendees, nine were students minoring in therapeutic horsemanship (Megan Larson, Amber Benham, Courtney Bolstad, Nicole Horn, Molly Lee, Amy Juhnke, Braidyn Mashak, Kaylee Bliss and Hannah Swenson), four were NDSU graduates (Ashley Lindell, Katie Raasch, Emily Dilliard and Lanay Jung), three were NDSU faculty (Carrie Hammer, Erika Berg and Amber Bach-Gorman) and three were from out of state.

A grant from the American Quarter Horse Foundation allowed undergraduate students to participate at a greatly reduced cost. All attendees successfully completed the practical skills test, thereby completing the first step toward earning their ESMHL certification.

By earning this certification, individuals assume the role of equine specialist in equine-assisted learning or equine-assisted psychotherapy sessions conducted with a mental health professional.

Benham and Bolstad, who graduated in May, also attended a PATH Intl Registered Instructor Certification training in June and passed the horsemanship and teaching components of the exam to earn their registered instructor status.
# HOPE Camp Students Visit Veterinary Technology

The Vet Tech Program hosted students at the NDSU Hope Camp, sponsored by Sanford Health and the NDSU College of Health Professions, on June 22.

Students in the camp experienced four days of hands-on activities and classes to explore a wide variety of health professions and health career opportunities while becoming familiar with hospital and college campus settings. Most of the students who attended the camp are considering college to become a health professional. The camp is open to rural students entering 10th through 12th grades in the fall.

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## Clydesdales at Equine Unit

The Budweiser Clydesdales were guests at the NDSU Equine Unit from Saturday, June 25, through Tuesday, July 5. While in the area, the Clydesdales attended the Red Hawks Military Appreciation Night, went to D-S Beverages in Moorhead and paraded in Detroit Lakes.

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**Extension Fall Conference Recognizes Excellence**

The Extension Service recognized several teams for their work with Program Excellence Awards at the Extension Fall Conference. Two of these teams included team members who are department alumni, current or former employees.

- **The Ditch Hay Program** assessed the quality of ditch hay or identified variables impacting ditch hay quality. The project also looked at how increased activity on rural roads has increased dust accumulation and how that affected nutrient quality and suitability of ditch forages as livestock feed. – Team members with links to Animal Sciences included **Breana Kiser**, Dickey County Extension agent; **Kelsie Egeland**, Emmons County agent; **Angela Johnson**, Steele County agent; **Miranda Meehan**, assistant professor/livestock environmental stewardship specialist; **Kelcey Hoffmann**, Cass County agent; **Lindsay Maddock**, Wells County agent; **Paige Brummund**, Ward County agent; **Richard Schmidt**, Oliver County agent; **Kevin Sedivec**, professor/rangeland management specialist; **Carl Dahlen**, associate professor/beef cattle specialist; **John Dhuyvetter**, North Central Research Extension Center area specialist/livestock systems; **Brian Zimprich**, Ransom County agent; **Yolanda Schmidt**, Pierce County agent; **Jackie Buckley**, Morton County agent.

- **Kids, Compost, Crops and Consumption** project was a multi-disciplinary program which taught youth about nutrition, agricultural production and the origin of their food. – Team members included **Mary Berg**, area Extension specialist, and **Kelcey Hoffmann**, Extension agent, agriculture and natural resources, Cass County.

In addition, **Lisa Pederson**, Beef Quality Assurance Specialist, who has worked extensively with the department, was named Communicator of the Year by the NDSU Agriculture Communication department and the North Dakota chapter of the Association for Communication Excellence. She was honored for her expertise and professionalism in delivering education programs and information using a variety of communication tools. Lisa assists beef producers on issues such as improving carcass quality, using better cattle-handling techniques and protecting their herds through herd health practices. She also helps dairy producers understand practices to improve their value to the industry. She has been NDSU Extension’s BQA specialist since March 1999.
Green and Gold Get-together Raises Scholarship Funds

The Green and Gold Get-together (formerly the Green and Gold Gala) was held on Saturday, Oct. 15, at the Fargodome and the Fargo Air Museum. The event was a casual, family-friendly event for Animal Sciences alumni and friends of the department to get together for fun, face time and raising funds for scholarships for Animal Sciences students.

Approximately 120 people were in attendance at the event, and a number of people off-site joined in by bidding on auction items available for sale. The day included tailgating, a football game watch party, a social hour, pork loin buffet, live and silent auctions, a photo booth and cash bar. Karaoke rounded out the evening.

A big thanks to all who helped organize, set up and run the event. The event was a success, with more than $20,000 dollars raised.

Plans for next year’s event are already in the works! Watch the department homepage for details.

Military Appreciation Day

The Animal Sciences crew (Loren Baranko, DeMetris Reed, Paul Berg, Spencer Wirt, Billy Ogdahl, Blaine Novak, Evan Knutson, Laura Bachmeier, Ananda Fontoura, Hanaa Mansour, Lexie Siomka, Amelia Tanner and Rosemarie Somers) served 950 pounds of beef to servicemen/women to recognize their service to our country during Military Appreciation Day at the North Dakota State Fair in Minot on July 26. The feed was sponsored by the North Dakota Beef Commission.
The NDSU Sheep Unit is the proud breeder of the champion production ewe at the 2016 National Columbia Show and Sale, which was held in Minot on June 6-11 at the North Dakota State Fairgrounds. Two hundred exhibitors from across the U.S. participated in the event.

One hundred and thirty-seven students in the department were named to the Dean’s List for spring semester. Fifty students graduated at the end of spring semester, including graduate students Ben Howard, Craig Zimprich and Tyler Frick, who received their M.S. degrees.

Faithe Keomanivong and Matt Crouse, graduate students, were the recipients of the Wilson G. Pond travel award from the American Society of Animal Science. Only two to six students are chosen to receive the award each year. The award is for travel to an international meeting. They used the award to attend the International Symposium on Energy and Protein Metabolism in Poland.

Hillary Cudmore, a student in the Veterinary Technology program, is the recipient of the 2016 North Dakota Veterinary Technician Association’s LuAnn Lee Scholarship. The scholarship, administered by the North Dakota Veterinary Technician Association, is intended for an NDSU veterinary technology student who is entering the second year of the professional program. The scholarship carries a $500 award.

James Gaspers, a graduate student, won the animal health poster competition at the Agricultural Bioscience International Conference held in Fargo in mid-September.

Miranda Meehan, Extension livestock stewardship specialist, gave an invited presentation about efforts to explain the ecological dynamic of streams in North Dakota at the International Rangeland Congress in Saskatoon, Saskatchewan, held July 22.

Kendall Swanson, professor, and David Buchanan, adjunct faculty member, were ranked among the top 10 reviewers for the Journal of Animal Science for 2015-16. As such, they will receive an upgrade to open access at no additional charge for one paper published in the journal.

Laura Bachmeier, M.S., animal science with a meat science emphasis, ’16, is the director of pork safety at the National Pork Board.

Sarah (Bedgar) Wilson, M.S., animal science, ’04, and her husband, Jeremy, were featured in an AgWeek TV interview regarding their efforts to ensure Jamestown-area food banks have sweet corn (www.agweek.com/agweektv/4097792-agweektv-sweet-deal-north-dakota-corn-patch).

Sarah (Bedgar) Wilson, M.S., animal science, ’04, and her husband, Jeremy, were named the 2016 Harvest Bowl honorees for Stutsman County at the Harvest Bowl Award Program on Nov. 4. The Harvest Bowl annually recognizes the success, dedication and hard work of outstanding agriculturalists in 53 North Dakota and 10 western Minnesota counties.

Tim Faller, B.S., animal and range science, ’74, was recognized for 50 years of service to NDSU at the NDSU Extension Service fall conference in Fargo. Faller started working in the Animal Husbandry department as a student in 1964 and became an assistant sheepd in 1966. He was named director of the Hettinger Research Extension Center (then called superintendent of the Hettinger substation) in 1969. Faller retired as the Hettinger REC director in 2005 but has continued to carry out a variety of responsibilities as part-time assistant director of the North Dakota Agricultural Experiment Station.

Briana Ferguson, M.S., animal science, ’16, is an animal welfare auditor for FACTA, LLC, based out of Fargo, but travels throughout the country.

Samantha (Kaminski) Gangi, M.S., animal science, ’13, and her husband, Joe, celebrated the birth of their daughter, Lauren, on Aug. 16. Sami is a dairy data specialist at Genex.

Jordan Hieber, B.S., ’14, M.S. ’16, both in animal science, is pursuing a Ph.D. at Montana State University.

Ben Howard, M.S., animal science, ’16, is a research manager at Brenneman Pork in Washington, Iowa.

Marissa Leier, B.S., animal science, ’16, has accepted the agriculture and natural resources Extension agent-in-training position in Oliver County starting Nov. 1. Marisa was the North Dakota Dairy Princess from June 2012 to June 2013.

Kyle McLean, Ph.D., animal science, ’16, is a post-doctoral fellow at the University of Kentucky, Lexington, starting in October.

Marguerite “Mimi” Stanley, B.S., equine science, ’13, and her mother, Karla (also an NDSU graduate) are the primary owners and operators of Prairie Rose Training Center in Bismarck, N.D. The full-service equine facility is part of a family-run business that includes Mimi’s father, Curt (an NDSU graduate). The facility concentrates on dressage and Arabian sport horses. A full story about the Stanley family is in the Agriculture, Food Systems, and Natural Resources 2015-16 Alumni News (www.ag.ndsu.edu/academics/college-newsletters).
Moos, Ewes and More a Big Success

2016 was another record-setting year for Moos, Ewes and More (MEM). More than 1,800 visitors came to the Equine Center on Saturday, Oct. 8, to learn about animal agriculture and have some fun. In addition to the usual “Ask an Expert,” wagon rides, equine and milking demonstrations, ultrasounding and surgery booths, this year, for the first time, the North Dakota Beef Commission and North Dakota Soybean Council sponsored an early bird breakfast. Many people spoke about how they make MEM an annual event and how much they look forward to coming.

Ag Olympics a Hit

The student welcome back Ag Olympics event was held on Friday, Sept. 30, inside Shepperd Arena and outside on the lawn. About 160 students participated in the evening’s activities.

Eight department clubs hosted events, and club presidents and department head Greg Lardy took turns in the dunk tank. Eight teams competed in human foosball.

The overall high scorers for Ag Olympics were Klay Oland and Danielle Anderson. The winner of the GoPro Hero was Alex Fellbaum (animal science major) and the winner of the GoPro Hero and accessory bundle was Elizabeth Bryan (vet tech major).