Week of June 26, 2011

In Memorium
David L. “Doc” Berryhill, 67, Associate Professor of Animal Sciences, died unexpectedly on Sunday, June 26. Dr. Berryhill received a B.A. in Biology from Simpson College, Indianola, Iowa (1966); and M.S. and Ph.D. degrees in Bacteriology from Iowa State University (1969, 1971). He came to NDSU in September 1971 to share his expertise in bacterial genetics. At NDSU he taught courses in bacteriology, microbiology and animal sciences and advised many undergraduate and graduate students. He served as Coordinator of Academic Programs for Veterinary & Microbiological Sciences (1989-1995); was Director of Academic Programs for Biotechnology (1989-1995); Interim Chair of Veterinary & Microbiological Sciences (1995-2000); Director of the Veterinary Diagnostic Services (2000-2002); Director of General Agriculture program (2005-2011); Director of Special Programs for the College of Agriculture, Food Systems, & Natural Resources (2002-2011); and Associate Head of Animal Sciences (2009-2011). Dr. Berryhill was the NDSU Mortar Board Outstanding Academic Advisor (1990), Alpha Zeta Outstanding Educator (1993), Mortar Board Preferred Professor (1997, 1998, 2001); NDSU Bison Ambassadors Apple Polisher Honoree (1998, 2001); and was nominated for the College of Agriculture’s H. Road and Janet Lund Excellence in Teaching Award (2001) and William J. and Angelyn A. Austin Advising Award (2004). David was the advisor for the NDSU Biotechnology Club (1997-1998); NDSU Chess Club (1989-1989) and NDSU Volleyball Club (1991-2011).

At the request of the family, no services will be held. The department wishes to express its condolences to Dr. Berryhill’s wife Martha.

Beef Cattle Research Complex Ribbon Cutting
The ribbon cutting ceremony for the new Beef Cattle Research Complex, located at 3816 19th Avenue NW will be Wednesday, June 29, at 11 am. Everyone is welcome to attend. Lunch, provided by Carnivore Catering, will follow the ceremony and facility tour.

The complex consists of a feeding area, cattle handling system, calving pens, and office and laboratory area, and a facility for mixing and storing feed. Only three other facilities in North America have the same equipment as this facility which was constructed using a combination of state and federal dollars, which totaled more than $3 million.
**Meat Scientists Attend National Meeting at K-State – Eric Berg**

The NDSU Animal Sciences Department was well represented at the 64th annual meeting of the American Meat Science Association (AMSA). This year, 752 members from the U.S. and abroad attended the Reciprocal Meat Conference (RMC) on the campus of Kansas State University. Faculty members attending from NDSU included Paul Berg, Eric Berg, Kasey Carlin, Robert Maddock, and David Newman. Staff and graduate students from the department were Roberta Dahlen, Austen Germolus, Ashley Lepper, Jim Magolski, Rex Sun, Christina Schwartz, Nate Hayes, and Quynn Larson. Undergraduates attending were Kelsey Phelps and Eric Kleman. The following eight research posters were presented at the meeting.

Christina Schwartz (M.S. student; Kasey Carlin advisor). Myostatin gene mutations C313Y and Q204X and how they affect beef quality in crossbred heifers.

Austen Germolus (M.S. student; Eric Berg advisor) Advocating agriculture through the BBQ Boot Camp model. *This poster was presented in the Masters Division competition.*

Rex Sun (Ph.D. student; Eric Berg advisor) Predicting beef tenderness using image texture features.

Nate Hayes (M.S. student; Rob Maddock advisor). The effects of inclusion of various components of field peas in the finishing diets of Piedmontese x Angus heifers on growth and carcass characteristics.

Ashley Lepper (Ph.D. student; Eric Berg advisor). Effectiveness of oxygen barrier oven bags in low temperature cooking on reduction of warmed over flavor in beef roasts.

Erin Harris (M.S. student; Eric Berg advisor). Pork quality and carcass composition of market hogs farrowed from gilts provided exercise during gestation.

Richelle Miller (M.S. student; David Newman advisor). Effects of pea chips on pig performance, carcass quality and composition, and palatability of pork.

Jim Magolski (Ph.D.; David Newman and Eric Berg advisors). Differences in Minolta color score and beef tenderness associated with feedlot stress and slaughter method. *This poster was also selected for oral presentation in the afternoon reciprocation session and was presented in the PhD research poster competition.*

Dr. Kasey Carlin served as moderator for the session titled “*Residual feed intake: sustainability and meat quality.*” Austen Germolus was moderator for “*High pressure processing: Food safety’s next big squeeze.*”

The AMSA academic quiz bowl competition included 31 teams from 26 different universities. The NDSU team, comprised of Kelsey Phelps, Quynn Larson, and Eric Kleman, advanced through seven rounds of play to the championship match facing off against a very competitive Texas A&M team. NDSU walked away with Reserve Champion honors after a suspenseful final round that included several lead changes. The team was well coached by M.S. student Richelle Miller.

NDSU and the Animal Sciences Department will host the 65th RMC next year (June 17-20, 2012).
Ms. Breanne Ilse has been employed at the Carrington Research Extension Center since the fall of 2005. As a livestock research specialist in ruminant nutrition, she collaborates with the CREC Livestock Unit team to conduct beef feedlot trials and drylot cow-calf research. Born and raised in North Dakota, Breanne is glad to be back in her home state after attending Montana State University - Bozeman where she completed a Bachelor of Science degree in Animal Science in 2005. She is currently pursuing a Master of Science degree in Livestock Reproduction and Physiology under the direction of Dr. Kim Vonnahme.