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Animal Science Newsletter

Department of Animal Science

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News of the Department of Animal Science

Department of Animal Science
South Dakota State University

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News of the Department of Animal Science

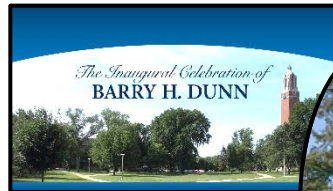
South Dakota State University

November, 2016

Volume 36, Issue 3

President Barry Dunn Inauguration

“Can you imagine...” was the theme of inaugural week leading up to inauguration. The week included a reception at Club 71 with tours of the new football stadium for faculty, staff and employees as well as a student picnic and frisbee throw. **Dr. Joe Cassady** served as a member of the Inaugural Committee planning the events. On September 29, **Dr. Barry Dunn**, former faculty member of Animal Science and the fourth alumnus chosen to lead SDSU, was installed as the 20th president of SDSU at an inaugural ceremony held in Coolidge Sylvan Theatre. Many of the Animal Science faculty wore academic regalia and marched in the processional, leading Dr. Dunn to the platform. **Dr. Bob Thaler** was seated with the platform party and introduced President Dunn prior to his acceptance speech. The inauguration ceremony can be viewed at <http://www.sdstate.edu/office-president/inaugural-celebration-barry-h-dunn>



Upcoming events



November 30-December 1 – SD Cattlemen’s Association Convention, Watertown

December 7-9 SD Sheep Shearing School

January 21, 2017 Pork Classic SDSU vs Ft Wayne 4:30 pm

February 4, 2017 Lamb Bonanza SDSU vs Oral Roberts 4:30 pm

March 31-April 1, 2017 Little I

July, 2017 Livestock Judging Team Reunion

Cow-Calf Education and Research Facility



Approximately 750 people attended the dedication and open house for the Cow-Calf Education and Research Facility on September 16. The event began at 5:00 p.m. with a social and tours followed by a program and dedication. The evening concluded with a Chuck wagon BBQ and live entertainment by Jami Lynn.

In the program distributed to those attending, **Dr. Joe Cassady** wrote “the facility will provide students, faculty and stakeholders with educational opportunities for decades to come. In addition to teaching and research the facility is designed to host Extension and outreach activities. An 80-seat classroom, sorting pens, and display pens provide opportunities for many different types of Extension programming activities. The animal handling facilities, working corrals, grass paddocks, and calving barn are all designed to provide students with experiences that complement their classroom instruction. All this would not have been possible without the dedicated efforts and generosity of our alumni, stakeholders and friends.”

Swine Education and Research Facility



A new era begins! On September 23 the first sow farrowed at the new Swine Education and Research Facility located north of campus. On October 1 approximately 550 people attended the dedication and open house for the new complex.



A social and tours of the facility began at 11:00 a.m. with program and dedication at noon. A pork BBQ lunch was served. Retired Distinguished Professor of Animal Science, **Dr. Rick Wahlstrom** is pictured right with **Dr. Bob Thaler** at the facility's main entrance.



In the program distributed to those attending, **Dr. Joe Cassidy** wrote "the facility is designed to host teaching, research, Extension and outreach activities. A 50-seat classroom, observation corridor, gestation room, farrowing rooms, boar room, physiology room and surgery suite provide opportunities for many different types of instruction and research. The observation corridor is a unique feature which will better enable us to educate the general public about modern pig production. Adjacent to the gestation and farrowing building is a 1,200-head wean-to-finish barn. It includes four rooms designed to hold 300 pigs per room. Two of those rooms are equipped with small pens to facilitate nutrition research. The other two rooms are equipped with 20 pens per room which have heated and cooled concrete floors. This new facility is truly of regional significance as is evident based on the support from producers in South Dakota, Minnesota and Iowa."

Swine Finishing Barn

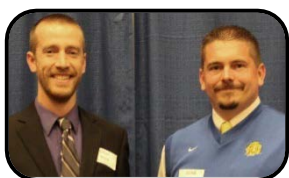
An open house breakfast was held October 29 at the recently completed swine finishing barn located off-site 10 miles south of Brookings. The event was an opportunity to showcase the facility to others prior to the arrival of pigs.

This "wean-to-finish" barn contains 52 pens with a capacity of 25 pigs per pen and provides additional opportunities for research and teaching. Special water lines allow for up to four separate water treatments to be offered. A Feed Logic system will provide up to six different dietary treatments in the barn and will automatically fill feeders with the correct diets using sensor technology by moving throughout the facility on ceiling-mounted rails.



Animal Science Scholarship Awards

The Animal Science scholarship banquet was held the evening of September 20 at the Swiftel Center in Brookings. For the 2016-2017 academic year, approximately \$100,000 was awarded to SDSU students majoring in Animal Science. The Darwin and Jo Ann Britzman Graduate Scholarship was awarded to **Ethan Blom**, Chandler, MN, pictured left, with advisor **Dr. Derek Brake**. The Barry



Dunn Animal Science Graduate Student Scholarship was awarded to **Erin Beck**, Corning, IA, pictured right, with **Dr. Barry Dunn**. A sincere thank you to our donors whose support is greatly appreciated.

Other awards announced at this year's banquet include the Richard Wahlstrom Animal Science Award for Excellence; the Distinguished Alumni Award, and Friend of the Department Award.

Richard Wahlstrom Animal Science Award for Excellence



This monetary award is given annually to recognize outstanding scholarship of Animal Science faculty members in the areas of teaching, research, extension and/or outreach. This year's recipient is **Dr. Julie Walker**, whose primary appointment is in Extension.

Scholarship in Extension includes having a direct impact on producers and rural communities. Beef producers regularly participate in her outreach and applied research activities due to the value of these activities to their operations. Her signature programs include the Range Beef Cow Symposium, Calf Value Discovery program, Northern States Beef Conference as well as Integrated Resource Management (IRM) Redbooks distribution. Dr. Walker is a prolific writer in multiple venues. She has published four peer-reviewed scientific manuscripts, seven scientific abstracts, 11 book chapters, four South Dakota Beef Reports, four proceedings papers, six Extension articles, nine popular press articles and 43 iGrow articles. Dr. Walker's Extension articles have been reprinted in the popular press hundreds of times and several articles have been downloaded thousands of times. The articles she has written for iGrow have been viewed more than 100,000 times.

Dr. Walker's scholarly activities have had a significant, positive impact on the beef producers of South Dakota, the region and the nation.

Distinguished Alumni Award

The Distinguished Alumni Award recognizes the accomplishments of alumni of the Animal Science Department at SDSU who have impacted the agricultural industry, communities and individuals across the state, nation, and world. Awarded annually, this year's recipient is **Dr. David B. Anderson**. He received the award at the scholarship award banquet held September 20.

Dr. Anderson received his Bachelor of Science degree in Animal Science from SDSU in 1966 and earned a



Ph.D. from the University of Wisconsin in 1971. His professional accomplishments over 40-plus years include national leadership in livestock research programs and professional organizations, along with tremendous service to SDSU. His research at Elanco Animal Health focused on promoting lean growth of livestock and led to several significant research findings, patents, publications and products widely used in the livestock industry. Through

work on improving the efficiency of growth, he has impacted the beef, swine and entire agricultural industry across the Midwest, nation and world. Dr. Anderson served as president of the American Meat Science Association, and was active in the American Society of Animal Science and Council for Agricultural Science and Technology. After retirement, Dr. Anderson joined Colorado State University as an affiliate faculty member and has mentored graduate students and young faculty. Service, dedication, mentoring and humbleness are characteristics attributed to him. Dave is a tremendous donor, fundraiser and advocate for SDSU, the College of Agriculture and Biological Sciences and the Animal Science Department. He and his wife, Carol, have supported numerous scholarships and awards in honor of his mentors including Briggs, Romans, McCarty, Kohler and Gee. He has become



more involved in bronze sculpting in his retirement; his artwork graces the Wahlstrom Room and his statues of Weary Wil and Dirty Lil are on permanent display near the SDSU Student Union.

Friend of the Department Award



Awarded annually, the Friend of the Department Award honors a person who has impacted students, staff and faculty of the department, as well as the entire agricultural industry across the state, nation, and world. Contributions of friends can take many forms, from advisory to providing educational opportunities to financial support. Congratulations to this year's recipients, **John and Donita Moes**. Pictured left, John accepted the award from **Dr. George Perry** at the scholarship award banquet held September 20.

John and Donita have a passion for the Animal Science Department and recognize that the success of their cattle operation has been positively impacted by their interactions with the department and the relationships developed with its faculty and staff. The Moes exemplify Friends of the Department by demonstrating a sustained long-term commitment to the department as well as the next generation of students. Their commitment to education is exemplified by the numerous graduate and undergraduate students who have learned pregnancy determination, blood collection and other skills on their herd. They have welcomed Extension groups and class tours to observe their operation, as well as implemented a summer student internship program. They are very involved in beef cattle research (reproductive physiology, herd health, ruminant nutrition, and feedlot research), and are eager to share what they have learned as a result of being affiliated with the Animal Science Department. Because the department has played a key role in the success of their operation, they have reciprocated by being a major contributor to the new Cow-Calf Education and Research Facility. John and Donita believe that supporting the development of the new facility is one way in which they can say "Thank You" for all the department has done for them.

Graduate Student Reunion

An Animal Science former graduate student reunion was held in Brookings September 16-18 with thirteen former students in attendance. In addition to attending the Cow-Calf Education and Research Facility



open house on Friday evening, the group met in the Wahlstrom Room on Saturday for a light lunch which included special guests LaRayne and **Rick Wahlstrom**. Tours of campus were available; they concluded the day by attending the Beef Bowl BBQ and football game at Dana J. Dykhouse Stadium. The last reunion was held

in 2006 in Denver with 11 people in attendance. Pictured above, seated L-R: Rae Jean Gee, **Ron** and Sue **Parker**, LaRayne and **Rick Wahlstrom**, Corrine Wastell, Jeanne Schafer, **Sheri Parker**. Standing L-R: **Dan Gee**, **David Anderson**, **Brian** and Judith **Thiel**, **Bill** and Rita **Larson**, **Duane** and Judy **Wachholz**, Margaret and **Harry Anderson**, Diana and **Wayne Singleton**, **Marvin Wastell**, Mitzi and **George Libal**, **David Schafer**, and **Lowell Anderson**.

Beef Bowl BBQ 2016



Approximately 2500 people were served a BBQ beef sandwich meal at Beef Bowl September 17 prior to the SDSU football game. Additionally, 100 beef bundles were auctioned totaling \$3675. All proceeds from the Beef Bowl meal and auction are available for scholarships for Animal Science undergraduates.

Congratulations



Megan Webb, Ph.D. graduate student, has been awarded one of two W.D. Farr Scholarships from the National Cattlemen's Foundation. Megan has conducted research regarding consumer preferences and responses to the production and marketing of beef products.

Adele Harty and **Robin Salverson** have received the 2016 Annie's Project Women in Ag Educator Award in memory of Bob Wells. The award recognizes their efforts in modeling the framework of Annie's Project -bringing educational programs dedicated to strengthening women's roles in the modern farm enterprise.



Shelly (Widmer) Tiede (M.S. 2000) welcomed Stetson William into the world on July 29. He weighed 6 lb. 5 oz.

and was 20 in. long.



Gatlynn Elaine was born on September 30 to Curt and **Amanda (Knorr) Hesse** (M.S. 2008). She weighed 7 lb. 4 oz. and was 19.5 in. long.

Mary Nold, a student at Rutland High School, was chosen as a Touchstone Energy Cooperative 'Scholar of the Week'. She is the daughter of Jerry and **Rosie Nold** of Brookings.

Calli Pritchard (B.S. 2016) and Tate Williams were married October 7 in St. Thomas Moore Catholic Church, Brookings. Reception and dance followed at The Old Market in downtown Brookings. Calli is the daughter of Terry and **Robbi Pritchard**.



Jared Schlobohm and Courtney Schlingen were married October 15 in St. Thomas Moore Catholic Church, Brookings. Reception and dance followed at The Swiftel in Brookings. Jared's parents are Zelda and **Paul Schlobohm**.

Haven Ruth was born October 30 to **Tim** (B.S. 2006, M.S. 2009) and **Carissa (Hand) Nath** (M.S. 2007). She weighed 7 lbs. 5 oz., was 20 in. long.



Rebecca Bott, Animal Science Associate Professor, and Kyle Knutson have announced their engagement. They will be married in Volga on

December 17.

Levi John was born on November 11 to Emily and **Ethan Blom** (B.S. 2013, M.S. 2016). He weighed 8 lb. 15 oz. and was 21.5 in long.



Condolences

We express our sympathy to **Dr. Amanda Blair**, Animal Science Associate Professor/Extension Meat Specialist, on the loss of her father, Phil Weaver, on October 24. Mr. Weaver lived at Aurora, IN and held either the office of Dearborn County Treasurer or Clerk of Courts for nearly 36 years.

We offer our condolences to **Dr. Rosie Nold**, Animal Science Associate Professor and Assistant Department Head, on the loss of her mother-in-law, Marla Nold, of Gettysburg, on October 28.

We express our sympathy to **Dr. Michael Gonda**, Animal Science Associate Professor, on the passing of his maternal grandmother on November 7 in North Carolina.

Welcome



Cameron Pewe began employment as the Swine Education and Research Facility Manager on September 16. A native of Stockton, IA, he received his B.S. degree in Animal Science from SDSU in 2013. Cameron was formerly employed as a Wean-to-Finish Supervisor for Schwartz Farms and as an Alley Buyer with Tyson Fresh Meats. While at SDSU, he held leadership roles in Little I, Block and Bridle, Swine Club and the Alpha Gamma Rho fraternity.

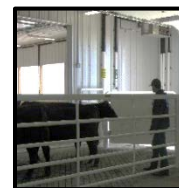
Joseph Wollbrink received his B.S. in Animal Science from Virginia Tech in May, 2016 and has begun M.S. graduate studies in Swine Reproductive Physiology under the direction of Dr. Jeff Clapper. He is from Concord, VA. Joe began employment as the Assistant Manager of the Swine Education and Research Facility on October 24.



Other News....

Dr. Keith Underwood coordinated the Des Moines District Food Safety Summit held in Brookings on September 8. The Summit provided a learning opportunity for all those interested in food safety and public health including leaders and key stakeholders from government, regulatory and academia community as well as other food safety professionals. Dr. Underwood spoke on *Use of pathogen modeling programs in response to HACCP deviations and Food Safety Outreach at Universities*.

A “Low Stress for Safety and Success” cattle handling and facility evaluation workshop was held on September 10 at the new Cow-Calf Education and Research Facility. **Dr. Julie Walker**, Dr. Joe Darrington, and **Heidi Carroll** coordinated the grant that funded this workshop. Thank you to Zoetis (Craig Dybedahl) for sponsoring the lunch and refreshments and also to **Kevin Vander Wal** and **Alejandro Casella** for providing the heifers and preparing the facility. Thank you to **Drs. George Perry** and **Robbi Pritchard** for allowing us to tour their handling facilities. A similar workshop was held in Philip October 27 and additional events are planned for 2017.





Equine students traveled to the 77th Minnesota Nutrition Conference to listen to industry and academic experts at the equine session held September 22 in Prior Lake, MN. Pictured left to right are **Shelby Strand, Allyssa Parker, Dr. Sara Mastellar, and Emily Rosenthal.**

The SDSU Horse Club held their annual petting zoo on Saturday, October 18 hosting area children for the zoo and horseback rides. As part of the zoo, the club collected donations for the local food bank. The club decorated a covered wagon and participated in the Hobo Day parade on October 22.



Rosemary and **Dr. Don Boggs**, former Animal Science department head (1998-2005), visited Brookings recently. They are currently living in Manhattan, KS where Don is the Associate Dean of Academic Programs in the Kansas State College of Agriculture and Rosemary is coordinator of K-State Global Campus. Belated congratulations to Dr. Boggs who received the Honorary American FFA degree at the 2015 national FFA Convention. He has undoubtedly made an impact on many young people's lives.

Fall Graduation Candidates

Cody Berkner Sleepy Eye, MN
 Elizabeth Bertolotto Sturgis, SD
 Katanna Bieseimeier Rushmore, MN
 John Bray Lawsonville, NC
 Tara Dostal Nicollet, MN
 Rebecca Duden Plainview, MN
 Cheyenne Edmundson Garretson, SD
 Deseray Ellsworth Highmore, SD
 Katie Freng Mission Hill, SD
 Bryan Goettsch Hartley, IA
 Trevor Hansen Irene, SD
 Michelle Heisey Centerville, SD
 Nathan Howlett Sioux Falls, SD
 McKenzie Jendersee Mitchell, SD
 Brittany Johannsen Sutherland, IA

Bridget Kramer Adrian, MN
 Andrew Larson Sanborn, MN
 Sarah Libra Jackson, MN
 Kay Marrs Whitewood, SD
 Kristen Rarrat Jefferson, SD
 Jeremy Reisdorfer Magnolia, MN
 Aaron Ringgenberg Brookings, SD
 Gabrielle Ryan New Prague, MN
 Allyssa Sims Hutchinson, MN
 Jacob Stemig Jordan, MN
 Kiefer TeGrootenhuis Alton, IA
 Bernice Vander Wal Pipestone, MN
 Adam Wilbur Cold Spring, MN
 Ella Woroniecki Hebron, ND
 Shyanne Zaragoza Ruthven, IA

Travel Notes

Sept 5-9 Applied Reproductive Strategies in Beef Cattle Conference, Des Moines, IA Dr. George Perry presented *Effects of peri-AI nutritional management on embryo development and pregnancy* at the conference. **Stephanie Perkins** also attended as well as graduate students **Emmalee Northrop** and **Jerica Rich**. They learned new methods of beef reproduction research.

Sept 7-8 Feet First Swine International Symposium, Minneapolis, MN Heidi Carroll attended the international symposium hands-on sessions regarding research on pig lameness.

September 12-14 ASAS Board of Directors Meeting, Brainerd, MN Dr. Joe Cassady attended as a member of the board of directors, American Society of Animal Science.

September 19-20 USDA Small Farm Grant, Virginia Beach, VA Dr. Julie Walker attended the 2016 Project Directors meeting.

September 21-22 77th Minnesota Nutrition Conference, Prior Lake, MN Dr. Crystal Levesque, graduate students **Agatha Ampaire** and **Samantha Welu** attended the swine nutrition portion of the conference. Dr. Sara Mastellar attended the equine nutrition portion of the conference with undergraduate students **Emily Rosenthal**, **Allyssa Parker**, **Shelby Strand**.

September 23-25 National 4-H Livestock Quiz Bowl, Omaha, NE Dr. Rosie Nold served as an official at the quiz bowl and attended the AKSARBEN Stock Show.

September 26-27 YQCA Board Meeting, Denver, CO Heidi Carroll attended the Youth Quality Care of Animals board meeting.

September 26-27 Zoetis Cattlyst Summit, Chicago, IL Dr. Robbi Pritchard presented results of sponsored research conducted at SDSU.

September 26-28 National Pork Board, St. Louis, MO Dr. Bob Thaler attended the Swine Educators meeting.

October 5 Bovine Emergency Response Training, Luverne, MN Heidi Carroll learned the best practices for handling emergency response when accidents occur involving livestock in transport.

October 5-7 Genix Large Herd Summit, New Orleans, LA Dr. Ken Olson attended the summit.

October 10 Feeding System, Fargo ND Drs. Cody Wright, Derek Brake, CCERF Manager **Kevin Vander Wal** as well as graduate students **Alejandro Casello**, **Sarah Mayes**, and **Jessica Reiners** traveled to Fargo to observe the research cattle feeding system used at NDSU.

October 12-13 Pipestone Feed Logic Training, Pipestone, MN Graduate student **Casey Zangaro** attended training sessions of feeding systems.

October 13 Tyson Fresh Meats, Storm Lake, IA Dr. Keith Underwood and graduate student **Christina Fehrman** selected pork products to be used at American Royal Meat Judging Contest.

October 17-22 Select Sires do Brazil Conference, Porto Seguro, Brazil As an invited speaker to the conference, **Dr. George Perry** presented *Management to improve reproductive efficiency in cattle*, on research conducted at SDSU. He also toured beef production systems in Brazil and networked with world-wide academic researchers and allied industry professionals.

October 26-30 NCERA 219 Meeting, Brookings, SD **Dr. Bob Thaler** coordinated the meeting and attended as a member of the regional committee on swine production. **Dr. Joe Cassady** greeted the attendees and welcomed them to SDSU.

October 29-30 High Plains Intercollegiate Meat Judging Contest, Friona, TX **Dr. Keith Underwood** served as an official committee member for the contest.

November 10 International Meat Judging Contest, Storm Lake, IA **Dr. Keith Underwood** and graduate student **Christina Fehrman** selected pork product at Tyson Fresh Meats for the International Meat Judging Contest.

November 12-16 North American International Livestock Expo, Louisville, KY **Dr. Rosie Nold** served as Committee Chair for National 4-H Livestock Skillathon at NAILE. **Dr. Joe Cassady** attended the Expo award ceremonies for judging teams.



November 16-17 Canadian Forage and Grassland Conference, Winnipeg, Manitoba, Canada **Dr. Derek Brake** attended as well as graduate student **Brooke Brunsvig**, who was an invited speaker. Her speech was titled *Effect of stocking rate on performance, diet selection and apparent total-tract digestibility among heifers grazing cover crops*.

Check the Facebook site!
If you haven't recently (or ever) visited the Department's Facebook page, now is a great time to check it out! We have had the opportunity to have two Ag Communications students with an interest in animal science, Kiera Leddy and Courtney Johnson, regularly add posts to the page. There have been live videos, photos, and features on units, faculty, students, activities and more. The students are part of a mass communications course focused on managing social media and have worked with Dr. Terri Finneman, instructor for the class, and **Dr. Rosie Nold** from Animal Science.
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<https://www.facebook.com/pages/Animal-Science-Department-South-Dakota-State-University/259477894091902>

Submitted by Carol Kleinjan, Editor