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Animal Science Newsletter

Department of Animal Science

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12-2017

## News of the Department of Animal Science

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# News of the Department of Animal Science

South Dakota State University

December 2017

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## Congratulations

Graduate student **Jake Koepke** presented a seminar entitled,



*Evaluation of a Bio-processed Soybean Meal on Nursery Pig Immune Status and Disease Resistance* prior to his successful M.S. defense October 12. Jake studied Swine Nutrition under the direction of **Dr. Crystal Levesque**.

Prior to her successful M.S. defense October 18, **Emily Scholtz** presented a seminar titled *Evaluation of Berberine as an Alternative to Antibiotics in Nursery Pigs Diets*. **Emily** studied Swine Nutrition under the direction of **Dr. Tofuko Woyengo**.



Graduate student **Erin Beck** presented a seminar prior to her successful M.S. defense on November 15. The title of her presentation was *Effects of Maternal Plane of Nutrition on Early Embryo Development and Offspring Performance*. **Erin** studied Beef Production Management under the supervision of **Drs. George Perry and Julie Walker**.



On December 14, graduate student **Samantha Welu Tauer** presented a seminar prior to her successful M.S. defense. The title of her presentation was *Evaluation of an Essential Oil Blend and a Novel Soybean Variety as Alternatives to Preventative Antibiotic Use in Monogastrics*. **Sam** studied Swine Nutrition under the supervision of **Dr. Bob Thaler**.



Prior to her successful M.S. defense December 15, graduate student **Sue Sinn** presented a seminar titled *Evaluation of Microbially-Enhanced Soybean Meal as an Alternative to Fish Meal in Weaned Pig Diets*. **Sue** studied Swine Nutrition under the direction of **Dr. Crystal Levesque**.



## Upcoming events



January 3-5, 2018 – Beef 2020

January 6- SDQHA Awards  
Banquet, Pierre

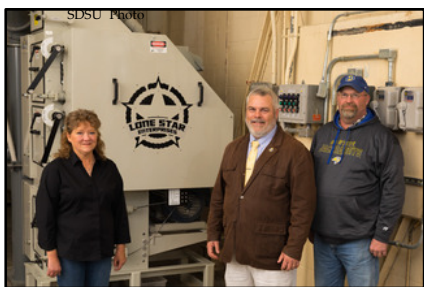
January 13- Lamb Bonanza  
SDSU vs Denver Men 2:00 pm

January 27 – Pork Classic  
SDSU vs Fort Wayne  
Women 2:00 pm, Men 4:15 pm  
BBQ 12:30 pm

March 23-24 Little I

April 6-7 Jackrabbit Stampede  
Rodeo, Swiftel

October 13- Hobo Day



Lone Star Enterprises, a small, family-owned and operated company located in Lennox, SD, recently donated and installed a triple roller grinder at the SDSU Feed Processing Facility. The advanced piece of equipment will primarily process corn to be added to feed but is adjustable to produce feed in different textures. It has the ability to crack corn, crimp grain, roll oats and grind corn and barley to fine microns. The SDSU Feed Processing Facility processes more than 1,250 tons of feed per year for six educational and research units with the swine and ruminant nutrition units requiring the highest feed volume. This grinder will improve consistency and increase production of high quality feed for all the units. Two undergraduate students are typically employed at the facility on a part-time basis. Student hands-on experience with this modern piece of equipment will prepare them for careers in the feed industry. Pictured L to R: Sarah Hill, **Dr. Joe Cassady** and **John Goeble**, Feed Processing Facility Manager.

Recently honored by the department and the state of SD for years of service:



**Dr. Bob Thaler**, 30 years; **Dr. Jeff Clapper**, 20 years; **Dr. Julie Walker**, 20 years; **Jennifer Eide**, 15 years; **Dr. Amanda Blair**, 10 years; **Adam Rhody**, 10 years.

Alumnus **Reid Christopherson** earned his B.S. and M.S. (1986) in Animal Science from SDSU and is currently Executive Director of SD Wheat Commission. He has begun a one-year term as Chairman of Wheat Foods Council. The Council is a national non-profit organization and is a leading source of science-based information on wheat and wheat foods nutrition.



**Talia Everding** began work in October as a temporary lab tech doing research for **Dr. Crystal Levesque**. **Talia** received her B.S. in Animal Science in 2016 from the University of NE, Lincoln.



Grandparents Cliff and **Crystal Levesque** announce the arrival of Ruby Ann Levesque, born November 23. She weighed 6 lbs. 7 oz.



Alumnus **Dr. Roger Johnson** has been awarded the National Swine Improvement Federation, *Dr. Charles Stanislaw Distinguished Service Award*.



**Dr. Johnson** earned his M.S. (1984) and his Ph.D. (1988) in Meat Science from SDSU. He coached the meat judging team (1980-86) as well as the meat animal evaluation team.

**Dr. Johnson** is currently the Director of Applied Genetics for Choice Genetics USA, Des Moines, IA.

Meat Science alumni pictured L to R: **Heather Rode**, M.S. (2017); **Darcy Burton**, M.S. (2016); **Kaleigh (Kerns) Schomacker**, M.S. (2015); Kelsey Kennedy,

**Christina Fehrman**, M.S. (2014), Ph.D. (current student). Not pictured but an attendant in the wedding, **Sue Sinn**, M.S. (2017). **Kaleigh Kerns** and Jason Schomacker were married June 10, 2017 in Minnesota.



## Condolences

We express our sympathy to **Brenda Bjorklund** and family on the passing of her mother, Lorraine H. Johnson on December 23. She taught elementary school in Brookings for 22 years.

## Livestock Judging Team

The SDSU Livestock Judging Team is pictured below in Louisville, KY at the North American International Livestock Exhibition in November. The team had an incredible day and are proud of their top 5 finish!



Team awards include: 5<sup>th</sup> high team overall

3<sup>rd</sup> team in swine

4<sup>th</sup> team in performance cattle

5<sup>th</sup> team in reasons

Individual awards:

Carlie Jackson- 10<sup>th</sup> in swine

Nolan Hohenstein- 8<sup>th</sup> in swine

Riley Ruble- 5<sup>th</sup> in cattle

L to R, back row: **Josh Cribbs**, Volunteer Coach, **Sterling Kappes**, Aberdeen, SD; **Collin Geppert**, Kimball, SD; **Kyler Johnson**, Baltic, SD; **Cade Opheim**, Mound City, SD; **Grady Ruble**, Coach; **Wyatt Smith**, Assistant Coach. Seated L to R: **Austin Rohrs**, Granville, IA; **Riley Ruble**, Albert Lea, MN; **Maria Weber**, Lake Benton, MN; **Carlie Jackson**, Sanborn, MN; and **Nolan Hohenstein**, Lakefield, MN.

## Meat Judging Team

The SDSU Meats Judging Team finished the Fall 2017 season at the International Meat Judging Contest in Dakota City, NE in November. This contest is considered

the national championship and we are proud to say we finished 6<sup>th</sup> out of 17 teams. Highlights of the day included 3<sup>rd</sup> place in specifications with **Cassidy Wulf** leading the team with a perfect score of 100 but taking 8<sup>th</sup> place in specs after a tie breaker; 3<sup>rd</sup> place in placings with **Shaye Jungwirth** leading the team placing 8<sup>th</sup> individually with a score of 484 out of 500; 4<sup>th</sup> in pork judging with **Paige Binger** also placing 4<sup>th</sup> individually with a score of 277 out of 300; 5<sup>th</sup> in beef judging with **Paige Binger** placing 9<sup>th</sup> and

**Shaye Jungwirth** placing 10<sup>th</sup> both with a score of 275 out of 300; 7<sup>th</sup> in reasons with **Paige Binger** placing 8<sup>th</sup> individually with a score of 206 out of 250; 7<sup>th</sup> place in overall beef, and 9<sup>th</sup> in both beef grading and lamb judging. Pictured L to R: **Shaye Jungwirth**, Hoven, SD; **Erin Gubbels**, Laurel, NE; **Paige Binger**, Redfield, SD; **Cassidy Wulf**, Nogales, AZ; Coach **Christina Ferhman** and Advisor, **Dr. Keith Underwood**.

## Rodeo Team

As the 2017 fall season came to a close in October, the SDSU Women's rodeo team is ranked 7<sup>th</sup> in the nation and 2<sup>nd</sup> in the Great Plains region. Individual standouts are Madison Rau ranked #1 nationally in Barrel Racing and Jacey Hupp 5<sup>th</sup> in the Women's All Around and 7<sup>th</sup> in the Goat Tying. The men's rodeo team is ranked 4<sup>th</sup> in the Great Plains Region of the National Intercollegiate Rodeo

Association. Both teams compete at five rodeos in the fall semester and five rodeos in the spring semester in the surrounding five-state region. Overall, the teams travel over 5400 miles during the school year to the 10 regional rodeos and add another 1300 miles if they qualify for the College National Finals Rodeo in Casper, WY the third weekend in June. SDSU has qualified 78 rodeo team members to the College National Finals Rodeo in the past eight years.

SDSU Rodeo Team 2017-18 seniors pictured back row, L to R: Jenika Arens, Faith Smith, Moriah Glaus, Haley Huls, Dessie Taylor. Front row, L to R: **Coach Ron Skovly**, Tyler Davis, Sterling Gehrke, Tyra Leonhardt, Gannon Gustafson, **Jim Bob Ellsworth**, Kaitlin Reece.



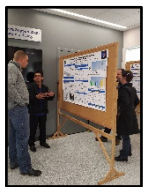
The 64<sup>th</sup> Jackrabbit Stampede will be held April 6-7, 2018 at the Swiftel Center, with the annual rodeo team fundraiser to start off the weekend Thursday April 5<sup>th</sup> at Club 71 of the Dana J. Dykhouse stadium. Information on the Jackrabbit Stampede and the SDSU rodeo team can be found at [www.sdstate.edu/rodeo](http://www.sdstate.edu/rodeo).

## Fall Graduation Candidates

Daniel Ahlers	Le Mars, IA	Kyle Hunt	Granville, IA
Christine Antoff	Winona, MN	Brook Jacobsma	Orange City, IA
Ben Bunge	Mellette, SD	Anneliese Klinzmann	Laporte, CO
Cheyenne Edelman	Menno, SD	Lindsey Loerzel	Ipswich, SD
Josephine Eli	Tea, SD	Kelly Morrison	Belle Plaine, MN
Jaydin Ellenbecker	Beaver Creek, MN	Jaden Poeckes	Sioux Center, IA
Kaitlyn Garman	Mankato, MN	Jessica Richters	Luverne, MN
Shantel Gregg	Harrold, SD	Mackenzie Scheff	Granada, MN
Matthew Halter	Cavour, SD	Austin Schiefelbein	Kimball, MN
Lacey Hanson	Owatonna, MN	Taylor Shipley	Le Mars, IA
Jessica Harberts	Rock Rapids, IA	Keely Thompson	New Underwood, SD
Bridgett Hoffmann	Whitewater, WI	Dallis VanderWal	Volga, SD

## News and Happenings.....

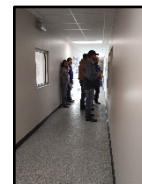
SDSU Swine Day held on October 11 celebrated the first anniversary of the new Swine Education and



Research Facility (SERF) and Wean-to-Finish Research Barn near Brookings.

The open house held at SERF included a graduate student poster session, a welcome by **Dr. Joe Cassady** followed by keynote speaker Dr. Mike Brumm, swine industry consultant. After a complimentary lunch

sponsored by SD Pork Producers Council, **Drs. Crystal Levesque, Ryan**



**Samuel, Bob Thaler, Tofuko Woyengo** and Dr. Joe Darrington, DVM, highlighted some recently completed and ongoing research. Tours of the facility were available for producers and industry representatives who attended the event.



St. Louis, MO was the location for The Symposium on Gut Health in Production of Food Animals held November 13-15. **Dr. Tofuko Woyengo** attended the symposium and Ph.D. student **Jung Wook Lee** presented a poster titled *Gastrointestinal Tract Weight and Microbial Composition of Nursery Pigs Fed Diets Containing Cold-Pressed Canola Cake*.

Thirty-five dairymen, industry professionals, and students traveled to dairies in SD and IA on November 13, 2017 during the I-29 Fall Dairy Tour. **Heidi Carroll**, tour co-chair, assisted with organizing the tour as a member of the I-29 Moo University collaboration. Host producers shared how they used technology to improve profitability and incorporate the next generation into the family farm. Tour stops included: Cottonwood Ridge Dairy (Garretson, SD), Multi-Rose Jersey Farm (Rock Rapids, IA), and Stensland Family Dairy (Larchwood, IA). Information on additional the I-29 Moo University 2018 Winter Workshop Series can be found at <http://igrow.org/news/i-29-moo-university-2018-winter-workshop-series/>.



**Heidi Carroll** moderated a producer panel called *Technology That Saved Us Time and Improved Our Profits* at the Central Plains Dairy Women’s Business Conference in Sioux Falls on November 14.

**Dr. Rosie Nold** attended the National 4-H Livestock Skillathon contest, held at the North American International Livestock Exposition in Louisville, KY, November 11-15. She serves as chairperson of the committee which runs the contest. She also served as moderator for the National 4-H Livestock Quiz Bowl contest, held in Grand Island, NE in conjunction with the Ak-sar-ben 4-H Livestock Exposition, September 29-30.

**Dr. Joe Cassady** and **Heidi Carroll** attended SD Cattlemen’s Association Convention in Pierre on November 28-30. **Heidi** provided an update on quality assurance programs during the SDSU Extension Roundup.



Range Beef Cow Symposium was held November 28-30 in Cheyenne, WY. **Dr. Julie Walker** and **Dr. Ken Olson** served on the planning committee and presented at the Cattle Handling Workshop. During the Herd Health session, **Dr. George Perry** gave a presentation titled *Influence of Modified Live Vaccines on Reproductive Performance*. **Dr. Joe Cassady** moderated an afternoon session while **Dr. Amanda Blair** and **Stacy Hadrick** attended with the beef SD participants. Also attending were **Adele Harty, Taylor**

**Grussing** and **Robin Salverson**.



The Sheep Shearing School was held December 6-8 at the Sheep Unit. **Dr. Jeff Held** reported participants attended from IA, MN, NE, MT, ID and WA. Topics covered included professional shearing techniques, equipment maintenance and repair, wool handling and preparation. SD Extension has partnered with the SD Sheep Growers Association for more than 25 years to offer this

nationally recognized shearer program facilitated by the American Sheep Industry Association – Wool Council to serve the needs of the U.S. sheep industry.

Two artificial insemination (AI) schools held this winter at the SDSU Beef Unit on Western Avenue in Brookings included participants from SD, MN and NE. The first was held December 14-16; the second will be offered January 14-16. Some topics covered in classroom sessions included cow anatomy, equipment handling, AI synchronization protocols/emerging AI technologies and reproductive management/nutrition considerations. Instructive hands-on sessions were held each day. **Drs. George Perry and Julie Walker, Robin Salverson, Taylor Grussing** and graduate student **Jerica Rich** presented information.



### *Holiday Celebrations*

Faculty, staff and graduate students enjoyed the Animal Science Holiday Party held the morning of December 14 in the Wahlstrom Room. Those attending brought treats to share. Special guests were retired members of the department: **Dr. Rick and LaRayne Wahlstrom, Dr. Lowell Slyter, Julia and Don Karlstad, Duane Smallfield and Betty Knutsen**. Office staff pictured L to R: **Brenda Bjorklund, Cheryl Beste, Carol Kleinjan, Judy Carlson** and **Veronica Shriver**.



The annual Christmas office potluck was held December 8 in the Brookings Activity Center. The event was organized by the Social Committee consisting of **Judy Carlson, Drs. Julie Walker, Crystal Levesque, Ben St. Pierre, and Kyle Grubbs**. Following the meal, Santa and his Elf came with gifts for the children. The evening concluded with a gift exchange assisted by **Dr.**

**Julie Walker** reading a holiday story which included the words “left”, “right”, “under”, “over”. Participants lined up back to back, passed gifts as instructed and were allowed to keep their gift at the end. The evening was a success and a good time was had by all!



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Submitted by Carol Kleinjan, Editor