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Animal Science Newsletter

Department of Animal Science

Summer 2019

Animal Science Department News

Department of Animal Science

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Animal Science Department News

Dates of Interest:

August 20-22: Dakota Fest

August 26: Fall Semester begins

September 2: Labor Day Holiday

September 20-21: State 4-H Livestock Skillathon & Judging Contests

September 21: Beef Bowl, SDSU vs Southern Utah

September 23: Scholarship Banquet, Volstorff Ballroom

October 14: Native American Day Holiday

November 11: Veteran's Day Holiday

Nov. 27-Dec. 1: Thanksgiving Recess

December 12-18: Final Exams

January 20: Martin Luther King Jr Day Holiday

February 17: Presidents' Day Holiday

2019 New Zealand Study Abroad

Course:

Dr. Julie Walker, Dr. Benoit St-Pierre and 30 students from SDSU participated in an agricultural study abroad course to New Zealand May 5-21. Read about their experiences on the travel blog at <https://2019sdsunewzealandtrip.blogspot.com/>



2019 China Study Abroad Course:

Dr. Bob Thaler, Dr. Sharon Clay and 19 students from SDSU participated in an agricultural study abroad course to China May 6-20. Read about their experiences on the travel blog at <https://sdsu2019chinaag.blogspot.com/>



Annual Hampshire Sale:

The 9th annual SDSU Hampshire sale was held on May 1 using an on-line auction format. Thirteen lots were offered this year with the average selling price of \$560; the top selling animal was a fall ram lamb selling for \$1,400. Several animals were sold to South Dakota breeders as well as buyers from



Montana, Missouri, and Minnesota. The SDSU Hampshire flock is the oldest established flock of Hampshire sheep in the U.S. Thanks to **Karolynn Marsan**, SDSU Sheep Unit Manager, and the undergraduate students employed at the Sheep Unit for the excellent presentation of the sheep for the on-line auction.

Youth Livestock Judging Camp:



Livestock Judging Camp 1

The SDSU Youth Livestock Judging Camp held two sessions in the Animal Science Arena. Session 1 was held June 10-12 with Session 2 on June 13-15. The sessions were available to students age 8-18 years. Instruction at the camps covered live evaluation of the primary livestock species (cattle, sheep/goats and swine), as well as preparation and critique of oral



Livestock Judging Camp 2

reasons. Eighty campers from South Dakota, Minnesota, Wisconsin, Nebraska, Iowa and North Dakota attended the camp.



Cattle evaluation

Beef Improvement Federation Annual Meeting:

SDSU hosted the annual Beef Improvement Federation Research Symposium and Convention June 18-21. Approximately 500 people attended the event at Wilbert Square Event Center in Brookings, SD. **Dr. George Perry** opened with a presentation on sexed semen research. Speakers from around the world presented on a wide range of topics including advancements in production and genetics. The conference included tours of area ag businesses and beef producers.

Farewell Reception - May 15:

A farewell reception was held for **Chelsea Sorensen**, Animal Science Professional Advisor on May 15. Several co-workers attended the reception.



Condolences:

We express our sympathy to **Jason Griffin** and family on the loss of his grandmother, Roberta Moore from Dodge City, KS, who passed away May 21.

We express our sympathy to **Dr. Amanda Blair** and family on the loss of her grandfather, Orville Weaver from Aurora, IN, who passed away June 13.

Congratulations :

Graduate student **Emma Northrop** presented a seminar entitled *"The influence of preovulatory estradiol on uterine transcriptomics and proteomics around maternal recognition of pregnancy in beef cattle"* prior to her successful Ph.D. defense June 6. Emma is doing research at the Mayo Clinic in Rochester, MN.

Graduate student **Amy Abrams** presented a seminar July 19 prior to her successful Ph.D. defense entitled *"Integration of Molecular Techniques for the Investigation of Bovine Respiratory Disease"*. Amy will teach at Berry College in Mount Berry, GA this fall.

Graduate student **Erin (Radke) Little** presented a seminar entitled *"Performance differences in two groups of commercial pigs following experimental infection of PRRS virus 174"* prior to her successful M.S. defense July 25. Erin works for Pipestone System.

Travel Notes:

Dr. Crystal Levesque attended Future of Biomedical, Agricultural and Biological Systems Research and participated in research priority and collaborative opportunities between NIH and USDA NIFA.

Dr. Ryan Samuel attended NCERA 219 June 3-4 as the Secretary/President Elect committee focusing on applied swine management issues.

Warren Rusche attended the National Extension Technology Conference in Morgantown, WV June 24-27 to present information regarding implementation of the SDSU Extension website.



AMERICAN MEAT SCIENCE ASSOCIATION

Adam Rhody, Austin Egolf, Samantha McKinney, Jessica Janssen, Lydia Hite, Erin Gubbels, Chris Fehrman, Dr. Kyle Grubbs, Dr. Amanda Blair, and Dr. Keith Underwood attended the Reciprocal Meats Conference in Fort Collins, CO June 21-28. Presentations were given by **Jessica** "Influence of Postmortem Aging and Storage Conditions on Tenderness of Grain and Grass Finished Bison Striploin Steaks"; **Lydia** "Influence of Post-Harvest Circulatory Rinse on Tenderness and Objective Color of Cow Striploin Steaks"; **Chris** "Impact of Two Levels of Low Voltage Electrical Stimulation on Beef Quality" and **Erin** "Effects of Low-Stress Weaning on Calf Growth Performance and Carcass Characteristics." Five undergraduate students competed in quiz bowl and iron chef competitions.

Dr. Crystal Levesque, Katelyn Zeamer, Christian Ramirez, Jorge Yair Perez-Palencia, Tiffany Bruhn, Lily Hernandez and Jodi Morton attended the Hybrid Rye Conference in Winnipeg, Canada July 17-18.



Dr. George Perry, Saulo Menegatti Zoca, Jerica Rich, Kaitlin Epperson, Emmalee Northrop and Stephanie Perkins presented research at the 2019 Society for the Study of Reproduction in San Jose, CA July 18-21.

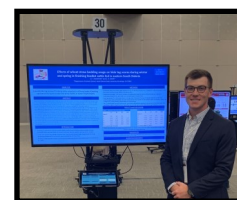
Dr. Keith Underwood, Dr. Kyle Grubbs and Christina Fehrman taught food science education for middle school and high school students at University on the Prairie in Lamberton, MN July 15-17.



ASAS/CSAS Annual Meeting and Trade Show—July 8-12—Austin, TX:

Dr. Zach Smith, Dr. George Perry, Amy Abrams, Kevin Jerez Bogota, Jung Wook Lee, HeeSeong Kim, Jinsu Hong, Dathan Smerchek and Cienna Boss attended the meeting and trade show. Graduate student

Dathan presented a poster entitled "Effects of wheat straw bedding usage on hide tag scores during winter and spring in finishing feedlot cattle fed in eastern South Dakota" and oral presentation entitled "Effects of wheat straw bedding usage on hide tag scores during winter and spring in finishing feedlot cattle fed in eastern South Dakota". **Dr. Perry** presented "Effect of trace mineral source on heifer reproductive performance". **Amy Abrams** presented "Do Classroom Assessment Techniques Improve Student Learning in an Introduction to Animal Science Laboratory Course?"



Dathan Smerchek



Graduate students **Jessica Janssen** and **Anlly Fresno Rueda** attended the National Bison Association Conference in Bismarck, ND July 7-10.

thank
you



A big THANK YOU to South Dakota Pork Producers Council, Wilson Trailer and First Dakota National Bank for donating a new livestock trailer to the SDSU Swine Education and Research Facility. We appreciate your commitment to educating the students and your support of this department.

Join us!

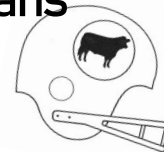
Beef Bowl BBQ

Saturday, September 21, 2019

3:30pm - 5:30pm

Meal - \$8.00

Includes BBQ sandwich, chips, beans
and SDSU ice cream



Game starts at 6:00pm—SDSU vs Southern Utah

If you or someone you know would like to receive the SDSU Animal Science newsletter, email terese.vanravenswaay@sdstate.edu.



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Department of Animal Science

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Submitted by Terese Van Ravenswaay, Editor