

South Dakota State University

Open PRAIRIE: Open Public Research Access Institutional Repository and Information Exchange

Animal Science Newsletters

Department of Animal Science

Fall 2019

Animal Science Department News

Department of Animal Science

Follow this and additional works at: https://openprairie.sdstate.edu/ans_news



Part of the [Animal Sciences Commons](#)

*Animal Science Department News***Dates of Interest:**

November 5: Swine Day

November 11: Veteran's Day Holiday

Nov. 27-Dec. 1: Student break

December 3: SD Cattleman's Con-
vention & Trade Show, Pierre

Dec. 11-13: Sheep Shearing School

December 12-18: Final Exams

December 13: Animal Science Holi-
day party

December 19-Jan. 12: Student break

January 4: Lamb Bonanza

Jan. 16: SDSU 1st Annual Beef Day

January 20: Martin Luther King Jr Day
Holiday

February 8: Pork Classic

February 17: Presidents' Day Holiday

Welcome New Staff:

Natalie Howard joined the Animal Science Department in July 2019 as the Professional Academic Advisor. She received her Bachelor of Science in Communication Studies and her Masters of Education, Counseling and Human Resource Development with Specialization in Administration in Student Affairs, both from SDSU.

**Welcome New Graduate Students:**

Taylor Andrews (Bellevue, OH) received her B.S. in Animal Science in May 2019 from The Ohio State University. She is working on her M.S. in Reproductive Physiology with **Dr. Julie Walker** and **Dr. George Perry**.



Elizabeth Buckhaus (Montfort, WI) received her B.S. in Animal Science from SDSU in spring 2019. She is pursuing her M.S. in Ruminant Nutrition with **Dr. Zach Smith**.

Himali Chaturika (Nugahenawatta, Yatiyana, Minuwangoda, Sri Lanka) received her B.S. in Animal Science and Fisheries in 2017 from the University of Peradeniya (Sri Lanka). She is working on her M.S. in Genetics with **Dr. Michael Gonda**.



Trevor DeHaan (Taylor, MO) received his B.S. in Animal Sciences and Industry in May 2019 from Kansas State University. He is working on his M.S. in Meat Science with **Dr. Keith Underwood**.



Harriet Njeru (Nairobi, Kenya) received her B.S. in Animal Science from the University of Nairobi in 2008 and M.S. in Animal Nutrition and Feed Science in 2013 from the same university. She is pursuing her Ph.D. in Swine Nutrition with **Dr. Tofuko Woyengo**.

Zach McDaniel (Tulia, TX) received his B.S. in Animal Science in August 2019 from Texas A&M University. He is working on his M.S. in Genetics with **Dr. Michael Gonda**.



Katie Miller (Cambridge, IL) received her B.S. in Animal Science in May 2019 from Western Illinois University. She is working on her M.S. in Ruminant Nutrition with **Dr. Zach Smith**.



Emily Fowler (Monroe City, MO) received her B.S. in Animal Science from the University of Missouri in the spring of 2019. She is working on an M.S. degree in Ruminant Microbiology with **Dr. Ben St-Pierre**.



Shannon Dierking (Tecumseh, NE) received her B.S. in Animal Science from the University of Nebraska, Lincoln in 2017. She received her M.S. in Animal and Food Science from the University of Kentucky in the spring 2019. She is pursuing a Ph.D. in Swine Nutrition with **Dr. Crystal Levesque**.



Adalaide Kline (Mission Hills, KS) received her B.S. in Animal Science Business in May 2019 from Oklahoma State University. She is working on a M.S. in Reproductive Physiology with **Dr. George Perry**.

Welcome Visiting Research Scholars:

Rhuan Chavez is a native of Tres Coracoes, Brazil. He graduated in Animal Science at the Federal University of Lavras in 2016. He received his Masters in Monogastric Nutrition at the Federal University of Minas Gerais in 2017. He is currently a Ph.D. student in Monogastric Production and Nutrition at the Federal University of Lavras and his area study is intestinal health. Rhuan is interning here in swine nutrition with **Dr. Crystal Levesque**.



Maira Resende is a native of Belo Horizonte, Brazil. She graduated in Veterinary at the Federal University of Minas Gerais, in 2008. She received her Masters in Monogastric Production and Nutrition at Federal University of Lavras, in 2016. She is currently a Ph.D. student in Monogastric Production and Nutrition at the Federal University of Lavras and her area study is intestinal health. Maira is interning here in swine nutrition with **Dr. Crystal Levesque**.



Beef Bowl:

The annual Beef Bowl BBQ was held next to the Sanford-Jackrabbit Athletic Complex September 21. Approximately 1,500 people were served a BBQ beef sandwich meal prior to the SDSU football game against Southern Utah. Additionally 20 beef bundles were auctioned. All proceeds from the Beef Bowl meal and auction are available for scholarships for Animal Science undergraduates. Congratulations to First Dakota National Bank for being named the SDSU Friend of the Beef Industry during halftime at this year's Beef Bowl game! *Pictured left to right: **Dr. Joe Cassady**, Larry Ness, Nate Franzen, Dean John Killefer, and President Barry Dunn.*



Animal Science Scholarship Awards:

The Animal Science scholarship banquet was held the evening of September 23 at the Volstorff Ballroom in the Student Union on campus. Nearly 200 people were in attendance, including parents, donors, staff and faculty. For the 2019-2020 academic year, approximately \$100,000 was awarded to 80 SDSU students majoring in Animal Science. A sincere thank you to our donors whose support is greatly appreciated!

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

Distinguished Alumni Award

This year's recipients are Collette Schultz Kaster and Peter Orwick.

Collette Schultz Kaster graduated with honors from SDSU in 1988. She was a member of the 1987 Meats Judging Team and served as Assistant Coach for the Team in 1988. She was also Coach for the Meats Judging Team at the University of Nebraska-Lincoln, where she received her Master's degree as well as coached the winning 1990 Meat Animal Evaluation Contest Team.

Collette Schultz Kaster & Dr. Joe Cassady



One of her letters of support indicated "Collette has developed the relationships and reputation that put her in demand for specialty business analysis work, and as a trusted resource for anything animal handling, meat quality, business strategy-related in the food animal production, processing and retailing world".

The meat and livestock industries across the nation have benefitted from her expertise and leadership. Following her employment as a meat scientist with Pig Improvement Company (PIC), she quickly rose through the ranks at Premium Standard Farms (PSF) to become Vice President of Food Safety and Technical Services. After PSF became part of Farmland and Smithfield, she continued to make her mark in the swine and meat industries as Senior Vice President of Quality Technical Services and Livestock Procurement where she was responsible for quality assurance teams, animal welfare, pork quality, as well as hog procurement across the fresh pork processing division. Following this successful industry career, Collette led the development and served as executive director for Professional Animal Auditor Certification Organization (PAACO), the leading non-profit organization for the training and certification of animal welfare auditors and audits.

Throughout her career she has been active in the American Meat Science Association, serving as President and received the AMSA Fellow award. Most recently (2019), she was named as the Chief Executive Officer of AMSA. Collette's deep understanding of technical issues, ability to address audiences of all backgrounds, and her global network, combined with her insight, integrity and exceptional support of colleagues have truly left a mark and will continue to impact the livestock and meats industries for many years.

Peter Orwick & Dr. Joe Cassady

Peter Orwick graduated from SDSU in 1984 where he was on SDSU's Wool Judging team. He has remained committed to advancing the sheep industry throughout his entire career, with a unique ability to bridge the gaps from rural sheep production to international markets. For more than 20 years, Peter Orwick, has served as Executive Director of the American Sheep Industry Association.



His nominee noted that "he has been a strong voice for agriculture at all levels, having the ability to adopt new technology to the industry based on sound science while retaining common sense".

He has developed coalitions of diverse industry participants and advised elected leaders on priority issues to find real solutions to industry problems. Among the national initiatives he has been involved with include providing leadership for development of the Lamb Livestock Risk Protection (LRP) livestock insurance and implementation of USDA mandatory livestock price reporting system for lamb and lamb meat sales that the industry has relied on for 15

years. This system is the only livestock program that also mandates price reporting in imported meat pricing. He created a country of origin labeling for lamb meat products in the 2008 Farm Bill and importantly maintained this authority in the 2014 Farm Bill, which is currently enforced at retail. He established a for-profit subsidiary of the association to provide key services to sheep producers as well as wool and lamb businesses yet protect the tax status of the American Sheep Industry Association.

The National Sheep Industry Improvement Center, which has provided more than \$35 million in funding for grants to support infrastructure of the lamb and wool industry, was established under Peter's leadership. Other issues he has been involved with include creation of a national fund to support legal defense of the sheep industry in cases involving federal lands grazing and predator control, along with continued work at the US Sheep Experiment Station of USDA. He established a Young Entrepreneur program in the Association to promote efficient sheep production and leadership with younger sheep producers.

He created a national Lamb Industry Adjustment Plan to improve competitiveness of the domestic lamb industry. While County Executive Director of the USDA Agricultural and Stabilization Service, he implemented the conservation programs of the 1985 Farm Bill including the sodbuster/swamp buster provision as well as converted the office operations to a computerized system.

Educational efforts through university programs, the Sheep Industry Handbook, and Sheep and Goat Research Journal have also been a priority that has grown and excelled with his leadership. Peter has been a true leader of the American sheep industry for more than 30 years.

Friend of the Department Award

This year's recipient is Pipestone Holdings.

Originating in the 1960's, SDSU and Pipestone Veterinary Services' relationship began as an endeavor to provide education and innovation to sheep customers across the country. That same drive for independent farmer success continued, albeit with swine, as Pipestone's mission of "Helping the farmers of today create the farms of tomorrow" evolved through the formation of the Pipestone System in 1990.

That love for independent farmers still fuels Pipestone's growth, and is the foundation of the six Pipestone Veterinary Services locations which include 42 veterinarians across the Midwest today. The Pipestone System has grown into the third largest pork producing system in the US, with additional presence in China and Mexico.

That growth requires talent, fueling an even deeper collaboration between Pipestone and SDSU. Helping build the next generation of workforce, Pipestone assists with job preparation skills, adjunct professorships and lectures, as well as internship and facilities for students to gain on-the-job experience.

Pipestone Veterinary Services and Pipestone System are routinely one of the top employers of SDSU Animal Science graduates. Their financial contributions have been significant and long-standing; providing research assistance, scholarships, and internships to students. They contributed \$100,000 to the SDSU's recently-completed Swine Education and Research Facility, and were also responsible for many other allied industry partners making significant donations to the facility. Their contributions of time, talent, and resources have made and will continue to make a significant difference to the Animal Science Department.

Hannah Walkes & Dr. Joe Cassady



Richard Wahlstrom Animal Science Award for Excellence

This year's recipient is Dr. George Perry.

Dr. Perry is a Professor in the Department of Animal Science whose research has built a highly productive research and extension program in reproductive management. Beef and dairy producers adapt technologies into their operations impacting both future animal production and the ability to feed the world's growing population. Many of his research findings have been adopted into producers' management decisions. The impacts of his program on the beef industry are exemplified by the willingness of producers to allow Dr. Perry to conduct research on their operations, and shows the relevance and importance of his program. Pictured left: **Drs. Richard Wahlstrom and George Perry.**



His extension activities include being a member of the Bovine Reproductive Task Force, offering numerous artificial insemination (AI) schools as well as Beef Cattle workshops. His popular AI school has trained more than 600 individuals. With all of his accomplishments, Dr. Perry is highly sought for cattle reproductive management advice by producers not only in South Dakota but throughout the country as well as the world. His program has received more than \$4.2 million in grant funds or gifts. He has published 75 peer-review manuscripts, 13 book chapters, 166 abstracts, 103 non-refereed scientific publications and proceedings, and 22 extension articles and videos.

Numerous scholarships sponsored by individuals, organizations, endowments, and faculty members were presented that evening. We were pleased to offer one new scholarship this year:

Donald and Joyce DuBois Scholarship

Donald "Donny" DuBois and Joyce (Curtis) DuBois were married in 1958 shortly after high school graduation and ran a successful farming operation in East Central South Dakota for nearly 50 years.

They were instrumental in helping develop and expand the Curtis/DuBois line of Registered Polled Hereford cattle. Their cattle were recognized as one of the finest herds of Polled Herefords and the blood lines are still nationally recognized for breed success. In 1974, Donny's efforts were rewarded by being named South Dakota's Outstanding Young Farmer.

The scholarship was established by his family to honor Donny and Joyce's rich legacy of hard work, family values, community service and integrity in dealing with all people. This scholarship intends to invest in and support students at South Dakota State University and their commitment to Animal Science and Beef Production.

Condolences:

We express our sympathy to the family of Larry Insley. Dr. Insley was a former SDSU Animal Science faculty member. He passed away August 3.

We express our sympathy to the family of Duane Smallfield. Duane was a former employee of the Ruminant Nutrition Center and SDSU Sheep Unit. He passed away October 25.

Congratulations :

It's a girl!

Congratulations to Allie and **Brady Jensen** on the birth of Kelly Jo on July 23. She weighed 7 lb, 8oz.





Congratulations!
Joe Bakker and graduate student **Christina Fehrman** were married August 10 in Pipestone, MN.



Graduate student **Joe Wollbrink** and Abbey Martin were married September 7 in Virginia.

Graduate student **Christian Ramirez-Camba** presented a seminar entitled “*Efficiency of standardized ileal digestible lysine utilization for whole body protein deposition in pregnant gilts and sows during early, mid and late gestation*” prior to his successful Master’s defense September 3. He is pursuing his Ph.D. in swine nutrition with **Dr. Levesque**.

Farewell Reception - October 7:

A farewell reception was held for Stephanie Perkins. Stephanie received her M.S. in Animal Science from SDSU in May 2016. Following graduation she began employment as a Research Assistant for **Dr. George Perry**. She has also taught AS106, English Horsemanship.



Travel Notes:

Dr. George Perry, Jerica Rich, Kaitlin Epperson and Saulo Menegatti Zoca presented data at the 2019 Applied Reproductive Strategies in Beef Cattle Conference in Knoxville, TN August 20-21.

Dr. Crystal Levesque, Tiffany Bruhn and Christian Ramirez Camba attended the EEAP International Symposium of Energy and Protein September 8-12 in Belo Horizonte, MG-Brazil. **Tiffany** presented “*Effects of phase feeding lysine during gestation on sow reproductive performance and piglet vigor.*”

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



**SOUTH DAKOTA
STATE UNIVERSITY**

Department of Animal Science

“Like” us on Facebook at:

<https://www.facebook.com/pages/Animal-Science-Department-South-Dakota-State-University/259477894091902/>

Dr. Joe Cassady, Department Head
joseph.cassady@sdstate.edu

Dr. Rosie Nold, Assistant Department Head
rosemarie.nold@sdstate.edu

Animal Science Department, 1097 North Campus Drive, PO Box 2170, Brookings, SD 57007
605.688.5165

Submitted by Terese Van Ravenswaay, Editor