

• Teaching • Research • Extension • Departmental Activities

Dairy Science Field Day featured in FARMWEEK

By Dr. Amanda Stone



ADS Faculty, **Drs. Amanda Stone, John Blanton, Derris Burnett, Thu Dinh, Brian Rude, Caleb Lemley, Jamie Larson and Jim Brett** with Staff members, Mike Bray and Megan Kludt and Graduate Students, Sarah Allen and Lauren Hodge. Learning stations included:

- ▶ Cannulated cows - Meat cuts - Digestive tract dissection - Milking
- ▶ Udder dissection - Repro tract dissection - Health and Welfare - Calves

Sarah-Baker Walker represented *Southeast United Dairy Industry (SUDIA)*

Lunch was catered by the student group Meat Chemistry and Cuisine

Watch the videos on Facebook!

The image shows a Facebook post from Mississippi State University Animal & Dairy Sciences. The post includes a video player with a play button and a video thumbnail of Dr. Amanda Stone. The video title is "Dairy Science Field Day | Farmweek | March 30, 2017". The post text says "Dairy Field Day was a success!". The video player shows Dr. Amanda Stone speaking, with a play button overlay. The video title is "Dairy Science Field Day | Farmweek | March 30, 2017". The video description says "Farmweek covers the Mississippi State University's very first Dairy Science Youth Field Day." and "YOUTUBE.COM".

KNOW YOUR
FARMER



KNOW YOUR
FOOD

a community farm day

On March 25, 2017, at the Bearden Dairy Research Center, the ADS Capstone students partnered with the Starkville Community Market and the Starkville Convention & Visitors Bureau to host a unique agricultural experience. Local school children and members of the community learned to connect the dots between farms and the food we eat every day with exhibits, demonstrations, hands-on activities and even an introduction to the farmers market.

Jessica Graves and **Dr. Brandi Karisch** teach the Capstone class of graduate students.



BEEF CATTLE BOOT CAMP

MSU Beef Unit
Starkville, MS
Friday, April 21, 2017
9:00 a.m. to 3:00 p.m.



MISSISSIPPI STATE
UNIVERSITY

EXTENSION



MISSISSIPPI STATE
UNIVERSITY

MS AGRICULTURAL AND
FORESTRY EXPERIMENT STATION



MISSISSIPPI STATE
UNIVERSITY

DEPARTMENT OF
ANIMAL AND DAIRY SCIENCES



Directions to the Boot Camps

MSU Beef Unit

From Hwy 12 in Starkville, turn south onto Spring Street (next to Hampton Inn). Go through one traffic light. Pass the College of Veterinary Medicine. Turn right at the next traffic light. Pass the intramural fields. Enter the Leveck Animal Research Center through the gate (pavement turns to gravel). Go straight until forced to turn. Turn right on Beef Unit Road. Look ahead for buildings and cattle working facilities on the left.

Phone: (662) 325-7465

Physical Address: 60 Beef Unit Rd. Mississippi State, MS 39762

For more information contact:

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Upcoming Extension Events

Beef Extension – Dr. Brandi Karisch Cobie Rutherford



- **Beef Cattle Boot Camp** on **April 21, 2017** in Starkville, MS
- **MSU Beef Unit Field Day** on **April 29, 2017** in Starkville, MS

Equine Events – Dr. Clay Cavinder



- **Management 101: Ranch Horse Series**-Tues. 6-9 pm in Verona, **April 11-May 16**
- **Cow Horse and Ranch Handling Clinic** on **May 13, 2017** from **9am - 3pm**—prepare for competing in 2 new classes at the 2017 State 4H Show. \$30 fee; Lunch provided; Forrest Co. Multipurpose Center, Hattiesburg, MS
- For more info, contact Dr. Cavinder at clay.cavinder@msstate.edu

4-H Events – Dr. Dean Jousan



- **State 4-H Livestock Judging Contest**, MSU Horsepark, Starkville on **Saturday, May 20, 2017**.

Dairy Events – Dr. Amanda Stone



- **Bearden Dairy Research Center Open House:** May 20, 2017



THE DEPARTMENT OF ANIMAL AND
DAIRY SCIENCES AT
MISSISSIPPI STATE UNIVERSITY

cordially invite you to attend the

2017 ANNUAL AWARDS BANQUET

Monday April 24, 2017

Hors d'oeuvres and live music beginning at 6:30

Program beginning at 7:00

Desserts and music following

East Building B, MSU campus



Please RSVP by April 17th

662-325-2802 or J.Larson@msstate.edu

 **CRAWLIN' CALEB'S
BLUES REVUE**

2017 DIXIE NATIONAL JUNIOR ROUND-UP



By Dr. Dean Jousan

- Over the course of 7 days, 1,628 4-H and FFA youth exhibited 2,406 head of livestock in our junior breeding and market shows. This was the 2nd largest DNJR dating back to 1995. Thank you for promoting the 4-H livestock program in your county. It is evident that many Mississippi youth, families and volunteers realize the importance of the 4-H livestock project and the benefits youth reap by putting in the hard work and hours at home with their animals. A more in-depth list of winners from the DNJR was sent in the March 2017 edition of the Animal Lines Newsletter.
- The week of livestock shows concluded with the Sale of Junior Champions on Thursday, February 9, in the Trade Mart Building. A total of 43 animals were sold at a preliminary total of \$325,000. In addition, 37 scholarships were awarded to 4-H and FFA youth at the Sale of Champions totaling \$58,500.
- Many of you know that the sale proceeds from one of the hogs in the sale was donated to a young girl with liver cancer. There was overwhelming support for this effort and the donation is approaching \$20,000. This is what 4-H is all about – helping others in need. To learn more about this donation, visit the Mississippi 4-H Livestock and Horse Program Facebook page at <https://www.facebook.com/Mississippi-4-H-Livestock-and-Horse-Programs-763274590406280/?ref=bookmarks> and select the links on the first two posts.
- Finally, I want to single out two Extension colleagues retiring this spring and will be missed by many – Elwanda Shook and John Giesemann. Elwanda, also referred to as “mom” by many of you, has worked tirelessly over the years in the Department of Animal and Dairy Sciences. She has held many responsibilities in the 4-H livestock and horse program and has played a vital role in keeping the train on the tracks. She was always willing to go above and beyond to see that tasks were completed the right way ahead of time. John has provided his computer expertise in developing livestock and horse programs that have tremendously streamlined our shows. We are able to accomplish so much more efficiently compared to other shows that many judges and exhibitors from other states are envious of us and most of that can be attributed to John’s investment in making the best better. There is no way to put into words the significant contributions of both Elwanda and John but I can say they will be missed by all, not just as working professionals, but as friends for life.
- Many have spent countless hours working with youth in their respective counties throughout the year in preparation for the DNJR. They have held county shows, jackpot shows, workshops and other educational opportunities, along with the district and DNJR livestock shows, to provide learning experiences for 4-H and FFA youth. Keep up the good work as you turn your attention to the district and state 4-H horse shows in the upcoming months.



**Graduate Student Assistantship
Dairy Systems Management
Department of Animal and Dairy Sciences
Mississippi State University**

One graduate research assistantship (M.S. in Animal and Dairy Sciences) will be available for a fall 2017 start with a focus on pasture dairy management, including methods to abate heat and prevent mastitis.

This assistantship includes an annual salary stipend, tuition and fees, and health insurance benefits. Each student will also have the opportunity to be involved in other departmental activities including participation in dairy Extension programs, assisting with dairy 4-H activities, assisting with undergraduate courses, and presenting work at regional and national meetings.

Qualifications:

Applicants must have earned a BS degree in animal sciences, biology, or a related field with a minimum 3.0 GPA. The ideal student will have a strong background in animal production, a strong work ethic, and excellent written and oral communication skills. Experience with dairy cattle is preferred. Additionally, applicants should have an interest in assisting with dairy Extension activities. The student should be able to work independently and within a team environment.

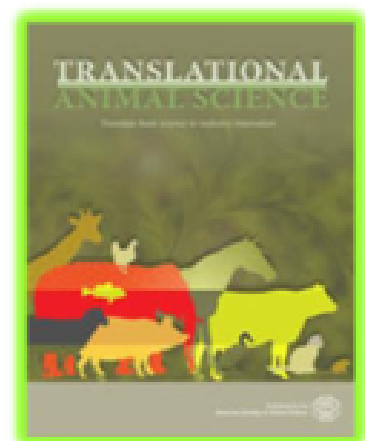
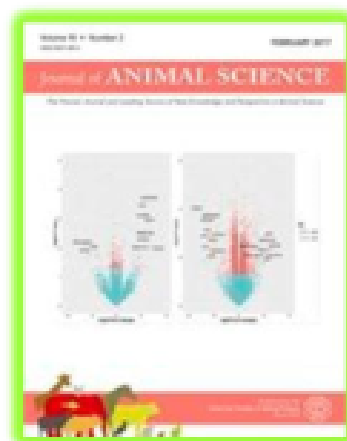
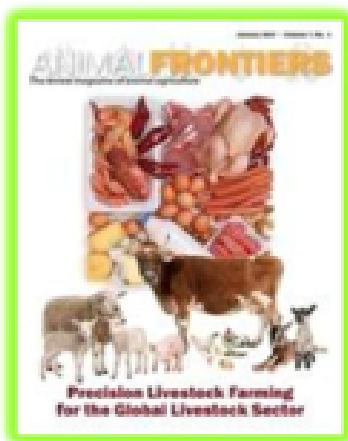
Application Process:

1. Contact Dr. Amanda Stone (amanda.stone@msstate.edu) by email with (1) a statement of interest, (2) a copy of a current resume/CV, (3) and current GPA/GRE scores.
2. Complete the official graduate program application:
https://mybanner.msstate.edu/prod/wwwskzlog.P_Displ.oainNon

Applications will be accepted until May 31, 2017 or until a candidate is found.

Contact Amanda Stone at amanda.stone@msstate.edu or 662-769-9941 if you have any questions or want to learn more about potential projects.

PUBLICATION SEMINAR
**“SURVIVING THE REVIEW
PROCESS: AN EDITOR'S
PERSPECTIVE”**



PRESENTED BY

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PRESIDENT, WORLD ASSOCIATION FOR ANIMAL PROTECTION

ON THURSDAY, APRIL 20 AT 11:00 AM – 12:00 PM

ROOM L1446 WISE CENTER

CONTACT: DR. SHENGFA LIAO, E-MAIL: S.LIAO@MSSTATE.EDU;

TEL: 662-325-7318

2017 Refereed Publications:

- Cain, Amanda J., **Caleb O. Lemley**, F. Kevin Walters, David L. Christiansen, E. Heath King, Richard M. Hopper. Pre-breeding beef heifer management and season affect mid to late gestation uterine artery hemodynamics. *Theriogenology* 87 (2017) 9–15.
- Jones, Barbara W., **Amanda E. Stone**, Connie L. Wood, Kristen J. McQuerry, Joey D. Clark, Denise L. Ray, and Jeffrey M. Bewley, PAS. Case Study: Characterization of milk yield, lying and rumination behavior, gait, cleanliness, and lesions between 2 different freestall bases. *The Professional Animal Scientist* 33:140–149. <https://doi.org/10.15232/pas.2016-01548>.
- Stone, A. E.**, B. W. Jones, C. A. Becker, and J. M. Bewley. 2017. Influence of breed, milk yield, and temperature-humidity index on dairy cow lying time, neck activity, reticulorumen temperature, and rumination behavior. *Journal of Dairy Sciences* 100:1–9. <https://doi.org/10.3168/jds.2016-11607>.
- Hodge, Lauren B., **Brian J. Rude**, **Thu N. Dinh**, **Caleb O. Lemley**. Effect of u-3 Fatty Acid Supplementation to Gestating and Lactating Mares: On Milk IgG, Mare and Foal Blood Concentrations of IgG, Insulin and Glucose, Placental Efficiency, and Fatty Acid Composition of Milk and Serum From Mares and Foals. *Journal of Equine Veterinary Science* 51 (2017) 70–78.
- Littlejohn, B. P., M. C. Roberts, M. N. Bedenbaugh, A. W. Lewis, D. A. Neuendorff, D. G. Riley, J. A. Carroll, **R. C. Vann**, M. Amstalden, R. D. Randel, T. H. Welsh, Jr. (2017). Evaluation of the influence of prenatal transportation stress on GnRH-stimulated luteinizing hormone and testosterone secretion in sexually mature Brahman Bulls. *Journal of Animal Science* 95, 129-138. www.animalsciencepublications.org/publications/jas.
- Gastal, G D A , B G Alves, K A Alves, M E M Souza, A D Vieira, A S Varela Jr, J R Figueiredo, **J M Feugang**, T Lucia Jr and E L Gastal. Ovarian fragment sizes affect viability and morphology of preantral follicles during storage at 4°C. *Reproduction*, (2017) 153, 577-587.

2017 Book Chapters: