

• Teaching • Research • Extension • Departmental Activities

## MSU LIVESTOCK JUDGING - Building Success

By Brett Crow



In January, the Livestock Judging Team competed in Denver, CO at the National Western Stock Show Intercollegiate Judging Contest against 23 universities from across the nation. The MSU team had its strongest performance in the "Carload" Judging Contest where they ranked 15th.



Kirsten Midkiff tied the contest high individual in the Goat Division at the San Antonio Stock Show in San Antonio, TX in February.

In March, MSU had the winning team at the Southeastern Livestock Exposition. Seven universities competed in the event.



**Champion Team Overall**  
**Champion Team-Sheep & Goat Division**  
**Champion Team-Hog Division**  
**Reserve Champion Team-Cattle Division**  
**Reserve Champion Team-Oral Reasons**



# BEEF CATTLE BOOT CAMP

MSU Beef Unit  
Starkville, MS  
Friday, April 21, 2017



Dr. Carla Huston



Branding Demonstration



Calving Management Class  
Drs. David R. Smith and Brandi Karisch



Cobie Rutherford's Calendar Management Class



Rocky Lemus  
discussing Forages  
for Beef Cattle



# Upcoming Extension Events

## Beef Extension – Dr. Brandi Karisch Cobie Rutherford



- **MSU Beef Unit Field Day** on **April 29, 2017** in Starkville, MS
- **Coastal Plain Experiment Station Forage Field Day** on **May 6** in Newton, MS
- **Tri-County Beef Field Day** on **May 13** at Prairie Beef Research Unit, Prairie, MS
- **Mississippi/Louisiana Beef and Forage Field Day** on **May 20** in Tylertown, MS

## Equine Events – Dr. Clay Cavinder



- **Creating a Strong Foundation**, horse riding clinic in Liberty, **May 26-27**
- **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](mailto:clay.cavinder@msstate.edu)

## 4-H Events – Dr. Dean Jousan



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

## Dairy Events – Dr. Amanda Stone



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

# Editor-in-Chief Visits ADS Department

By Dr. Shengfa Liao



Dr. James L. Sartin, Jr., a Professor Emeritus of Auburn University School of Veterinary Medicine, was invited to visit the Department of Animal & Dairy Sciences (ADS) on April 19-20, 2017. ADS faculty and graduate students had an opportunity to meet Dr. Sartin face-to-face during the visit. He discussed several techniques and tips concerning scientific research, writing and publication. Dr. Sartin also shared, with the graduate students, his experience in developing a successful academic/professional career. After that, Dr. Sartin delivered a seminar, titled “***Surviving the Review Process: An Editor’s Perspective***” to the faculty, staff, and graduate students from the College of Agriculture & Life Sciences and the College of Veterinary Medicine. At the end of the seminar, Dr. Sartin answered many questions from the attendees, regarding manuscript preparation and submission, as well as how to effectively address questions and comments from peer-reviewers and editors.

As a Founder of the journal, *Domestic Animal Endocrinology*, Dr. Sartin has served as an Editor-in-Chief for 25 years. Currently, he serves as an Editor-in-Chief for three American Society of Animal Science journals: *Journal of Animal Science*, *Animal Frontiers*, and *Translational Animal Science*. Dr. Sartin is also a former President of the American Society of Animal Science, and he currently holds the position of President for the World Association for Animal Protection.

Dr. Sartin received his Bachelor of Arts degree in Psychology in 1973, and his Master of Science degrees in Zoology in 1976 both from Auburn University. He obtained his PhD degree in Physiology from Oklahoma State University in 1978. After working as a Research Associate, a Post-doctorate, and Staff Biologist at Oklahoma State University and Temple University (Philadelphia, PA), Dr. Sartin joined Auburn University in 1982 as an Assistant Professor for the Department of Physiology and Pharmacology, School of Veterinary Medicine. During his academic career, Dr. Sartin has trained 21 graduate students and postdoctoral fellows, published 129 peer-reviewed papers, and gave more than 130 invited talks. Dr. Sartin is a recipient of many prestigious awards.



# 2017 Mississippi State University Dairy Open House



**Saturday May 20, 2017**

**10:00 AM to 2:00 PM**

(lunch will be provided)

**MSU Bearden Dairy Research Center**

**2128 Turkey Creek Road**

**Starkville, MS 39759**



**Speaker topics will include:**

How and why to manage heat stress

Economics of center pivots

How to effectively feed pastured cows



Attendees will also have the opportunity to tour the farm, see the center pivot in action, and learn about pasture management techniques (what to do and what not to do – from our own experience)

Contact Amanda Stone for more information: [amanda.stone@msstate.edu](mailto:amanda.stone@msstate.edu) or 662-769-9941

**MISSISSIPPI STATE**  
**UNIVERSITY**®





**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](mailto: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](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](mailto:amanda.stone@msstate.edu) or 662-769-9941 if you have any questions or want to learn more about potential projects.

## 2017 Refereed Publications:

- Wang, Taiji, **Jean M. Feugang**, **Mark A. Crenshaw**, Naresh Regmi, **John R. Blanton Jr.** and **Shengfa F. Liao**. A Systems Biology Approach Using Transcriptomic Data Reveals Genes and Pathways in Porcine Skeletal Muscle Affected by Dietary Lysine. *International Journal of Molecular Sciences* (2017) 18, 885.
- 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](http://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:

