

• Teaching • Research • Extension • Departmental Activities

Mississippi State University Livestock Judging

Submitted by Brett Crow



As many of you know, on occasion we feature alumni of our livestock judging program as a way to let you know the impact that judging had on them and where it has taken them in their professional and personal lives. The youngest alumnus we've featured to date is Harrison Lang, who is a very recent graduate. Enjoy reading Harrison's story!



Harrison is a native of Brandon, MS and was a member of the 2015 MSU Livestock Judging Team. He graduated from MSU in May of 2016 with a B.S. in Agricultural Information Sciences. Harrison now resides in Mandeville, LA where he works for Bunge North America at an export grain facility. In Harrison's free time he is involved in his family's commercial cow/calf and stocker cattle operation where he works alongside his grandfather.

Harrison stated, "The knowledge of livestock evaluation I gained and the opportunity to travel the country was priceless and skills I use on a daily basis in judging shows and making decisions on our family's cattle operation. Yet this knowledge and experience was just the threshold of tools I gained from my judging experience. Tools such as communication, public speaking, teamwork, and time management are invaluable skills I gained from my judging experience that I use each and every day in my professional career. There's no doubt that my judging experience was the most meaningful and educational involvement of my college career."

2016 Mississippi State Fair



Submitted by Dr. Dean Jousan

This was the 3rd largest State Fair in the past 10 years based on number of livestock exhibited (1,514), trailing the 2011 Fair by only 16 head. It was nice to see increased numbers and thanks goes to all Extension agents, FFA advisors, volunteers, parents, and others who worked with Mississippi youth to bring such a quality set of livestock for competition at the State Fair earlier this month.



Lionel Brown, Extension Agent in Wilkinson County, walking with a DeSoto 4-H'er in Beef Showmanship.

Upcoming Extension Events

Beef Extension – Dr. Brandi Karisch Cobie Rutherford



- Mississippi Cattlemen's Association Cattlemen's College, Oct. 27, 2016, Hattiesburg
- Mississippi Cattlemen's Association Cattlemen's College, Oct. 28, 2016, Batesville

Equine Events – Dr. Clay Cavinder

- Ranch Horse Clinic series is coming to Starkville in Spring 2017.
Be on the lookout for the official dates.



4-H Events – Dr. Dean Jousan

- National Association of Extension 4-H Agents (NAE4-HA)
Annual Conference, Portland, OR., Oct. 25-29, 2016
- State 4H Staff Conference, Oct. 29, 2016

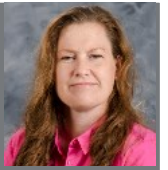


Dairy Events – Dr. Amanda Stone

- Dairy Science Field Day: March 17, 2017, Starkville
- Bearden Dairy Research Center Open House: May 20, 2017



Horseman's Association Spends Fall Break at the Horse Poor Barrel Race



Submitted by Dr. Molly Nicodemus

The Horseman's Association members sacrificed their Fall Break to work the Horse Poor Barrel Race at the Mississippi Horse Park in Starkville, MS on October 13-16. This event is one of the largest events the Mississippi Horse Park hosts each year and it grows every year. The barrel race was an American Qualifier and included \$25,000 in cash prizes. Club members were responsible for running the gates during the race with 5-8 hour shifts starting Friday afternoon at 5 pm and running through Sunday. A total of 4-6 members signed up for each shift with well over 20 students getting a chance to be a part of this event. Students also got a chance to meet the winner of the American Qualifier, Quay Eaves, who is a local horse trainer based in Louisville, MS. Due to the exceptional work during the show, the club received a donation from the Horse Park that will go towards the club's annual scholarship, the Gary Woodruff Memorial Scholarship.



Bricklee Miller, Patty Joe, Amber Chancellor, Whitney Parnell, Rebecca Byrne Cobb, Laura Schaeffer (HA President) and Narsis Whigham (HA Vice President)

National FFA Convention



Jessica Graves and Jessica Wells

Mrs. **Jessica Graves** and ADS student, CALS Ambassador and Recruitment Intern, Beth Orr represented Mississippi State University CALS and Animal and Dairy Sciences at the National Future Farmers of America Convention the week of October 17th.

Over 68,000 students, parents and sponsors attended the event in Indianapolis, Indiana. Mrs. Graves and Ms. Orr were able to meet many students interested in careers in Animal & Dairy Sciences. We are looking forward to visits by prospective MSU students in the future.

MSU Horse Sale Bid November 14-19, 2016

Quick, Convenient Bidding At AUCTION.MSUCARES.COM

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Contact: Ashley Shiffler - (580) 795-4349 - aes779@msstate.edu

Bloodlines Including

Sixes Pick - Dash for Cash - Captain Courage - Sun Frost - SR Instant Choice
And More!

ADS CLUBS and ORGANIZATIONS

MSU Meat Chemistry and Cuisine Club Fundraiser

Our meatheads will be outside of Ballew Hall cooking some samples and selling ready-to-cook meats and pork-stuffed spring rolls every Tuesday at 4 PM. If you would like to purchase our products, please come during the sampling event every Tuesday or email Alex Holtcamp (ajh420@msstate.edu) or Anuraj Sukumaran (at1179@msstate.edu). Meats and spring rolls will be available for pick up from Monday to Friday in Ballew Hall.

SAMPLE MENU:

6 4-oz dry-rub pork chops in vacuum package for \$8

6 spring rolls in vacuum package for \$6

FREE SAMPLES

EVERY TUESDAY at 4 pm outside BALLEW HALL



2016 Refereed Publications:

- Greene, Jonathan M. and **Peter L. Ryan**. L-Arginine in the Uterus and Placenta and During Gestation in Mammals. *L-Arginine in Clinical Nutrition*. 2017. Chapter 22, 285-299.
- Larson, J.E.** Incorporating Writing-to-Learn Strategies into an Animal Reproduction Course. *NACTA Journal*, September 2016, Vol 60(3), 303-306.
- Lamb, G. C., PAS, V. R. G. Mercadante, D. D. Henry, P. L. P. Fontes, C. R. Dahlen, **J. E. Larson**, and N. DiLorenzo. Invited Review: Advantages of current and future reproductive technologies for beef cattle production. *The Professional Animal Scientist* 32 (2016):162–171; <http://dx.doi.org/10.15232/pas.2015-01455>.
- Regmi, Naresh, Taiji Wang, **Mark A. Crenshaw**, **Brian J. Rude**, Guoyao Wu, **Shengfa F. Liao**. Effects of dietary lysine levels on plasma free amino acid profile in late-stage finishing pigs. *SpringerPlus* (2016) 5:888, DOI 10.1186/s40064-016-2463-3.
- Mayer, J. J., J. D. Davis, J. L. Purswell, E. J. Koury, N. H. Younan, **J. E. Larson**, and T. M. Brown-Brandl. 2016. Development and characterization of a continuous tympanic temperature logging (CTTL) probe for bovine animals. *Transactions of the ASABE*. 59:703-714. (DOI: 10.13031/trans.59.11367).
- Gilfeather, CL and **CO Lemley**. 2016. Effects of Interferon-Tau and Steroids on Cytochrome P450 Activity in Bovine Endometrial Epithelial Cells. *Reproduction in Domestic Animals*, 51, 415–420 (2016); doi: 10.1111/rda.12695.
- Prezotto, L. D., L. E. Camacho, **C. O. Lemley**, F. E. Keomanivong, K. A. Vonnahme and K. C. Swanson, J. S. Caton. Nutrient restriction and realimentation in beef cows during early and mid-gestation and maternal and fetal hepatic and small intestinal in vitro oxygen consumption. *The Animal Consortium* 2015. doi:10.1017/S1751731115002645.
- Ye, G., J. Liu, Y. Liu, X. Chen, **S. F. Liao**, D. Huang, and K. Huang. 2016. Feeding glycerol-enriched yeast culture improves lactation performance, energy status, and hepatic gluconeogenic enzyme expression of dairy cows during the transition period. *J. Anim. Sci.* doi: 10.2527/jas.2015-0021.
- Cline, G. F., A. M. Muth-Spurlock, B. E. Voelz, **C. O. Lemley**, and **J. E. Larson**. 2016. Evaluating blood perfusion of the corpus luteum in beef cows during fescue toxicosis. *J. Anim. Sci.* 94:90-95.
- Brockus, K. E., C. G. Hart, C. L. Gilfeather, B. O. Fleming, **C. O. Lemley** (2016). Dietary melatonin alters uterine artery hemodynamics in pregnant Holstein heifers. *Domestic Animal Endocrinology*, 55, 1-10.
- Kaya, A., **E. Memili**. Sperm macromolecules associated with bull fertility. *Animal Reproduction Science*. (2016), <http://dx.doi.org/10.1016/j.anireprosci.2016.02.015>
- Hunt, M.R., J.F.Legako, **T.T.N. Dinh**, A.J.Garmyn, T.G.O'Quinn, C.H. Corbin, R.J. Rathmann, J.C. Brooks, M.F. Miller. Assessment of volatile compounds, neutral and polar lipid fatty acids of four beef muscles from USDA Choice and Select graded carcasses and their relationships with consumer palatability cores and intramuscular fat content. *Meat Science* 116 (2016) 91–101.
- Keomanivong, F. E., **C. O. Lemley**, L. E. Camacho, R. Yunusova, P. P. Borowicz, J. S. Caton, A. M. Meyer, K. A. Vonnahme and K. C. Swanson. Influence of nutrient restriction and melatonin

supplementation of pregnant ewes on maternal and fetal pancreatic digestive enzymes and insulin-containing clusters. *Animal* (2016), 10:3, pp 440–448.

Brockus, KE, CG Hart, BO Fleming, T Smith, **SH Ward** and **CO Lemley**. Effects of Supplementing Holstein Heifers with Dietary Melatonin during Late Gestation on Growth and Cardiovascular Measurements of their Offspring. *Reproduction in Domestic Animals*. 51, 240–247 (2016); doi: 10.1111/rda.12672 ISSN

Vasquez, Erick S., **Jean M. Feugang**, **Scott T. Willard**, **Peter L. Ryan** and Keisha B. Walters. Bioluminescent magnetic nanoparticles as potential imaging agents for mammalian spermatozoa. *Journal of Nanobiotechnology*. (2016) 14:20.