



Friday Notes from *MSSTATE Poultry Science*

Friday Notes - to keep you informed about noteworthy news from Poultry Science at Mississippi State....and let us hear from you as well!

Faculty and Staff Travel and Activities:

- **Jessica Wells** and **Drs. Kiess** and **Beck** participated in the *Academic Insight* program for admitted but not yet enrolled students at the Colvard Union, followed by a recruiting session, farm tour, and lunch in Hill Poultry Science, with **Drs. Farnell, McDaniel, Sharma, Tabler, Wamsley, and Zhai**, joining for the departmental events, Feb. 15.
- **Drs. Farnell** and **Tabler** and **Cari Chisholm, Erica Rigney, and Vanusa Godoy** (students working with **Dr. Farnell**) took the foam trailer to a Mar-Jac hatchery in Waynesboro, to disinfect chick loading area and hatch trays, with samples collected pre- and post-disinfection to determine efficacy of the foam in reducing pathogens. A delivery truck was also disinfected. This is part of student projects for a non-thesis MS (Cari) and undergrad (Erica); Feb. 18.
- **Drs. Tabler** and **Beck** and **Donnie Zumwalt** traveled to Jackson, to meet with Kenny Williamson at BankPlus and to attend the funeral of Jack Self (Cal-Maine), Feb. 20. Mr. Jack was instrumental in working with Chore-Time to obtain colony cages for our layer house this past summer and we are very grateful to him.
- **Dr. Farnell** is in Mexico presenting an invited talk, "*Etiología de problemas de patas y su efecto en la canal,*" ("Etiology of leg problems and their effect on carcass quality") at the Programa Definitivo del X Simposium de Procesamiento e Inocuidad de Productos Avícolas 20 y 21 de Febrero, Hotel Misión Juriquilla, Querétaro, Qro.
- **Dr. Tabler** traveled to Hazlehurst to a Sanderson plant to check paw quality, Feb 21.
- **Jessica Wells** set up the Poultry Science booth at the Women in Ag Extension Conference, and **Dr. Beck** gave the luncheon talk on "*A Road Less Traveled: Stories from the Journey,*" on getting from an undergraduate major in English to a career in poultry science, Feb. 21.

Graduate Seminars, Feb. 21:

- Presented by **Yemi Olojede** (Comparative evaluation of air cell and vent temperature using an implantable temperature transponder and probe in broiler hatching eggs during incubation) and **Katie Collins** (Egg characteristics and hatch performance of Athens Canadian Random Bred 1955 meat-type chickens and 2013 Cobb 500 broilers), MS and PhD students, respectively, with **Dr. Peebles**.

Recent News Release on Chicken Litter Sampling:

- <http://msucares.com/news/releases/14/nr20>. This came about largely because of a study being conducted by **Dr. Tabler** to collect current nutrient loads in litter in order to better inform the NRCS regulations for nutrient management plans.

Recent Publication:

- **Tom Tabler**, F. Dustan Clark, Jonathan R. Moyle, **Morgan Farnell**, and **Jessica Wells**, "Managing Manure from the Backyard Flock," <http://msucares.com/pubs/infosheets/is1973.pdf>

Running Cumulative List of Scientific and Extension Publications, 2014

- **Tom Tabler**, F. Dustan Clark, Jonathan R. Moyle, Yi Liang, **Jessica Wells**, and **Morgan Farnell**, “Windrow Composting Broiler Litter between Flocks,” <http://msucares.com/pubs/publications/p2818.pdf>.
- C.L. Williams, **G.T. Tabler** and S.E. Watkins, 2013. Comparison of broiler flock daily water consumption and water-to-feed ratios for flocks grown in 1991, 2000-2001, and 2010-2011. *J Appl Poultry Research*, 22:934-941. <http://dx.doi.org/10.3382/japr.2013-00767>
- Abstracts from the 2014 IPSF: <http://www.ippexpo.org/ipsf/docs/2014%20IPSF%20Abstracts.pdf>
 - M6 Detection of parthenogenesis in mated quail hens and its impact on fertilization
Priscila Santa Rosa*, **Holly Parker**, **Aaron Kiess**, **Chris McDaniel**
 - M9 Physiological responses of broiler hatchlings to commercial in ovo coccidiosis vaccine administered on days 18.5 and 19.0 of incubation
Adebayo Sokale*, **E. David Peebles**, **Wei Zhai**, Timothy S. Cummings, Christopher J. Williams
 - M24 Apparent ileal amino acid digestibility (AIAAD) of various animal by-product blends (ABB) in broilers aged 21 and 42 d of age
Cameron Cardenas*, Elizabeth Kim, Bob Hill, **Kelley Wamsley**
 - M36 Effects of limestone particle size in pullet diets on hen performance, bone mineral density and keel bone deformities in aviaries or conventional cages
Pamela Eusebio-Balcazar*, **Mary Beck**, Sheila Purdum
 - M48 Antimicrobial activity of carvacrol against Salmonella on turkey breast cutlets packaged under modified atmosphere
Divek V. T. Nair*, **Chander Shekhar Sharma**
 - M66 Effects of diet type and nutrient density from day 8 to 21 on bone morphology, breaking strength, and mineral density in male broilers
Xi Wang*, **E. David Peebles**, Mark Bricka, **Wei Zhai**
 - T137 Effects of dietary lysine and methionine supplementation on growth performance and meat yield of male broilers
Wei Zhai*, **E. David Peebles**, Wes Schilling, Yves Mercier
 - P205 Effects of the in ovo injection of 25-hydroxylcholecalciferol on the yolk characteristics of embryonated broiler hatching eggs
Nayara Pelici*, **Wei Zhai**, **Sharon Womack**, **E. David Peebles**
 - P206 Effects of the in ovo injection of 25-hydroxylcholecalciferol on serum calcium and phosphorous concentrations in broiler embryos
Midian Nascimento*, **Wei Zhai**, **Sharon Womack**, **E. David Peebles**
 - P211 Effects of the raising model on semen quality and fertility of male Sichuan White Geese
Anfang Liu*, Mingjun Chen, Jing Zhang, Wang Xi, Jie Liu, Xia Qiu, Hongpeng Ma, Wei Zhai
 - P212 Effects of single nucleotide polymorphism of H-FABP gene on carcass traits in Sichuan White Geese
Anfang Liu*, Shukai Yuan, Jing Zhang, Jie Liu, Xia Qiu, Hongpeng Ma
 - P235 The effect of varying the inclusion of two different anticoccidials into a commercial diet on D0-49 Ross 708 bird performance
Rosana Hirai*, Timothy Cummings, **Kelley Wamsley**
 - P241 Dietary Alterations with Live Coccidiosis Vaccine (LCV) Response and D0-46 Ross 708 Broiler Performance
Robert Sellers*, **Wei Zhai**, Carla Price, Phil Stayer, **Tom Tabler**, **Kelley Wamsley**.
- **Tom Tabler**, **Morgan Farnell**, **Jessica Wells**, **Haitham Yakout**, and Yi Liang, “Controlling Rodents on the Poultry Farm,” <http://msucares.com/pubs/publications/p2824.pdf>