



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:

- **Dr. Tabler** visited a Wayne Farms operation in Laurel to discuss environmental conservation, June 30.
- **Drs. Tabler, Farnell** and **Kiess** visited Cal-Maine at Edwards to collect samples, July 1.
- **Drs. Beck, Tabler, Farnell** and **Wamsley** met with representatives of BankPlus to discuss feed mill business plans and outreach initiatives to potential poultry growers, July 1.
- **Drs. Farnell** and **Kiess**, assisted by **Melissa Triplett** (Ph.D. student with Dr Kiess) and **Juliana Hirai** (intern with Dr. Kiess) visited Cal-Maine at Edwards to collect samples, July 9.
- **Drs. Beck** and **Tabler** attended the MS Board of Animal Health in Jackson; Dr. Beck was chosen Chair-elect of the Board to serve this year and then rotate into the Chair position in 2015.
- **Dr. Tabler** scored paws at a Peco farm in Bay Springs, July 10.
- **Dr. Beck** met with Dr. Jesse Smith, president of JCJC, to discuss progress with the 2+2 articulation agreement between JCJC and MSU, July 10.
- **Mrs. Wooten** and **Mrs. Christensen** participated in the 2014 MAFES Supervisory Conference held this year in Starkville, July 9-11.
- **Drs. Beck, Tabler, Farnell**; Mrs. Wells, Mrs. Wooten, and Mrs. Christensen, participated in the MSU Extension Centennial Celebration, July 11.

Congratulations to....

- **Dr. Kiess** for promotion to Associate Professor and granted tenure by the IHL, effective July 1.
- **Dr. Farnell** for award of tenure by the IHL, effective July 1; Dr. Farnell was already Associate Professor.

Condolences to...

- **Dr. David Peebles** on the loss of his mother, Mrs. Ruby Thomas Peebles, in Seattle Washington on July 1. Mrs. Peebles was 87. Memorial arrangements are pending.

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>
- **Tom Tabler**, news release on litter sampling: <http://msucares.com/news/releases/14/nr20>.

- **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>
- **H. M. Parker**, **A. S. Kiess**, **P. Santa Rosa**, and **C. D. McDaniel**, 2014. Selection for the parthenogenetic trait in Chinese Painted Quail (*Coturnix chinensis*) affects hatchability parameters. Poultry Science 93(3): 664-672 <http://dx.doi:10.3382/ps.2013-03527>
- **Tom Tabler**, Dustan Clark, Jonathan R. Moyle, **Jessica Wells**, and **Morgan Farnell**, “Composting Manure from Small Poultry Flocks,” <http://msucares.com/pubs/infosheets/is1975.pdf>
- **News Release - Tabler and Farnell:** <http://www.wcbi.com/wordpress/okolona-poultry-farmer-learns-from-msu>
- **Tom Tabler**, F. Dustan Clark, Jonathan R. Moyle, **Morgan Farnell**, and **Jessica Wells**, “Deep Pectoral Myopathy (Green Muscle Disease) in Broilers,” <http://msucares.com/pubs/infosheets/is1976.pdf.3>
- Liu, X., J.A. Byrd, **M. Farnell**, and C.A. Ruiz-Feria, 2014. Arginine and vitamin E improve the immune response after a Salmonella challenge in broiler chicks, Poultry Sci. 93:882-890. <http://dx.doi.org/10.3382/ps.2013-03723>.
- **Tom Tabler**, **Morgan Farnell** and **Jessica Wells**, “Poultry Water Line Sanitation,” <http://msucares.com/pubs/publications/p2839.pdf>.
- Jonathan Moyle, Jennifer Rhodes, Brigid McCrea, **Tom Tabler**, and Dustan Clark, “Rodent Control on Small Poultry Farms,” www.poultry.msstate.edu/pdf/extension/rodents.pdf.