



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!

Poultry Science Department News: Faculty, Staff, and Student Travel and Activities.

- **Dr. Tabler**, accompanied by **Mark Lemons** (PhD student with **Dr. Wamsley**), visited a Koch breeder farm at Kosciusko to assess insulation via thermal imaging, June 2.

Recent Publication...

- Jason Barrett and **George Thomas Tabler**, "Private water well placement and sizing for poultry production,"
<http://extension.msstate.edu/sites/default/files/publications/publications/p2953.pdf>

Congratulations and best wishes to...

- **Dr. Katie Collins Elliott** on the occasions of her graduation, May 6, and wedding to William Elliott at Immaculate Conception Catholic Church in West Point, May 14.

Update on...

- ...our first and amazing Study Abroad trip to New Zealand, May 7-June 1; thanks to Dr. Beck's sister Barbara and to our incredible drivers Shona and Christopher and their contributions to our experience.
 - Tour directed by **Drs. Beck and Tabler**
 - Faculty accompanying: **Drs. Wamsley and Kiess**
 - Students participating:
 - **Chrysta Beck**, PO sophomore from Ohio
 - **Abby Case**, PO junior from MS
 - **Brandon Dickinson**, PO senior from MS
 - **Rosana Hirai**, PO grad student from Brazil
 - **Danelle Moffett**, PO senior from MS
 - **Katie Oakley**, ADS sophomore from AL
 - **Gil Odom**, PO senior from MS
 - **Katie Roper**, PO senior from MS
 - Highlights:
 - Lectures on NZ history and agriculture, Lincoln Univ., Christchurch
 - Lunch meeting with Aviagen and Tegel Foods representatives
 - Seal watching at Kaikoura
 - Exploring Wellington, Te Papa Museum

- Tours of Massey University and attended “Advancing Poultry Production Conference XVIII – 2016”; attended dinner with the Massey University Poultry Group at Palmerston North
 - **Dr. Beck:** “Poultry in MS, Poultry Science at MSU, and the Grand Challenges”
 - **Dr. Tabler:** “Broiler management practices in the US”
 - **Dr. Wamsley:** “Impact of feed form and nutrient segregation on broiler performance”
- Tour of Hobbiton at Mata Mata
- Maori cultural experience at Rotorua, including tour of the Whakarewarewa thermal pools and village, hangi dinner, a haka and poi ball performance, and overnight on a Marae
- Exploring Auckland, with tours to Devonport and TiriTiri Matangi Wildlife/Bird Sanctuary
- Day-long poultry tour and talks: visits to a broiler farm (3 houses) and tour of a processing plant; talks by Poultry Industry Association of New Zealand ED Michael Brooks and various officials at Tegel Foods Processing.
- Exploring Whangarei
- Visit to MainFeeds Wiri Feed Mill that supplies the largest egg producer operation in NZ

***Reminder: Starkville Farmers Market:
Poultry Science eggs, sold by the PS Club
and
NOW
Poultry Science eggs are also in the MAFES Store***

Running Cumulative List of Scientific and Extension Publications, 2016

The following oral talks and posters were presented at the IPSF, Atlanta, GA; * indicates the presenting author and the abstracts may be found at

http://www.ippexpo.org/ipsf/docs/2016SPSS_AbstractBook.pdf:

- **M65: Rosana Hirai***, Omar Gutierrez, **Kelley Wamsley**, Ana Oliveira, “Effects of varying phytase inclusion in conjunction with xylanase supplementation on 0-56 d male broiler performance.”
- **M83: Dima White***, Aaron Kiess, Tom Tabler, Chris McDaniel, Yuhua Farnell, Shailesh Gurung, Marcelo Moreira, Dan Zhao, Morgan Farnell, “Application of a commercially available cleaner and disinfectant via a compressed air foam system to decrease aerobic bacteria in pullet and layer houses.”
- **M84: Katie Collins***, Scott Branton, Jeff Evans, **E. David Peebles**, “Evaluation of the potential influence of the disinfection cycle on the efficacy of F-strain Mycoplasma gallisepticum vaccine administered by in ovo injection to layer hatching eggs.”
- **M122: Mark Lemons***, Christopher McDaniel, Joseph Moritz, **Kelley Wamsley**, “Influence of feed form (FF) and diet phase effects on 0-46 d broiler performance.”
- T146: Ivan Alvarado*, **Kelley Wamsley**, Alejandro Banda, “Evaluation of the synergistic effect of the live attenuated infectious bursal disease vaccine 89/03 and a recombinant HVT-IBD against early infectious bursal disease challenge in commercial broilers.”
- **P200: Katherine Lott***, AJ Kawaoku, Holly Parker, Chris McDaniel, “The male and female contribution to parthenogenesis-induced infertility in quail.”
- **P201: AJ Kawaoku***, Katherine Lott, Holly Parker, Chris McDaniel, “Roles of the male and female quail in egg component alterations due to the parthenogenetic trait.”
- **P202: Pedro Mota***, Melissa Triplett, David Peebles, Christopher McDaniel, Aaron Kiess, “Investigating the potential to introduce Lactobacillus acidophilus and Bacillus subtilis to the broiler embryo through commercial in ovo technology.”
- **P204: Edgar Peebles***, Floyd Wilson, Taylor Barbosa, Timothy Cummings, John Dickson, Sharon Womack, “Comparative effects of in ovo versus subcutaneous vaccination and pre-placement holding time on scanning electron micrograph and histomorphometric measurements of small intestinal villus length and villus/crypt ratios in broiler chickens.”
- **P210: Alisha Moore***, Chander Sharma, “Antimicrobial efficacy of acidified lactic acid, propionic acid, and lauric arginate against Salmonella in ground chicken frames.”
- **P318: Ana Beatriz Oliveira***, Wei Zhai, Kelley Wamsley, “Feasibility of using Elusieve processing to improve the nutritional profile of feed ingredients used in commercial poultry diet formulation.”
 - **NOTE: Ana received an Honorable Mention in the Don R. Sloan Undergraduate Research Competition for this presentation and a check for \$250.**

USDA-ARS Poultry Research Unit Publications:

- Abstracts presented at the International Poultry Scientific Forum, Atlanta GA, Jan. 25-26;
http://www.ippexpo.org/ipsf/docs/2016SPSS_AbstractBook.pdf:
 - J.L. Purswell and S.L. Branton. 2016. Performance of an automated whole-house vaccination system.
 - J.E. Linhoss, J.L. Purswell, and J.D. Davis. 2016. Preferences of young chicks for varying radiant fluxes.
 - H. Olanrewaju, Influence of light sources and photoperiod on growth performance and carcass characteristics of heavy broilers at 56 days of age.