

June 22, 2009

### PUBLICATIONS

Recent departmental publications include the following:

“Effect of zilpaterol hydrochloride duration of feeding on performance and carcass characteristics of feedlot cattle”, **Nathan Elam**, J. T. Vasconcelos, G. Hilton, D. L. VanOverbeke, T. E. Lawrence, T. H. Montgomery, W. T. Nichols, M. N. Streeter, J. P. Hutcheson, D. A. Yates, and Mike Galyean. Journal of Animal Science 87:2133-2141.

### TRAVELS

**Jack Thomas** attended the NCAA Regional Rules seminar in Anaheim, California on May 31 – June 3.

Attending the Equine Science Society meetings in Keystone, Colorado on May 29 – June 1 were **Jason Turner**, **Shannon Malesky**, and **Logan Potts**. Logan placed 2<sup>nd</sup> in the Undergraduate Student Competition for his presentation, “Nitrogen retention and nutrient digestibility in geldings fed grass or alfalfa hay or alfalfa cubes.” Jason also served as chair of the student competition section and was elected to the society’s Board of Directors.

**Derek Bailey** will be returning to Amman, Jordan on June 22 – July 3 to work on the collaborative rangeland restoration project.

### WSASAS

The Western Section, American Society of Animal Science meetings were held in Fort Collins, Colorado on June 16-18. Faculty and students attending were Tim Ross, Dennis Hallford, Sergio Soto, Shanna Lodge, Milt Thomas, Clint Löest, Clay Mathis, Ely Camacho, Alison Iroz, Kellie Jurado, Andrea Stapp, Leah Lankford, Dusty Yates, Raed Halalsheh, Maria Martinez-Perez, Flint Harrelson, Travis Mulliniks, Brock Graham, Patrick Sanchez, Kasey DeAtley, Katie Taylor, Pablo Luna, and Boone Carter. The following papers/posters were presented by NMSU personnel:

“Pregnancy rate, offspring performance and serum prolactin, estradiol, insulin, and glucose concentrations in ewes treated with recombinant bovine somatotropin before breeding,” **Ely Camacho**, Jillian Benavidez, and Dennis Hallford (Competition)

“Microsatellite ETH10 in the promoter of signal transducer and activator of transcription-6 gene predicts 205-d weight in Red Angus

cattle,” **Kasey DeAtley**, G. Rincon, C. R. Farber, J. F. Medrano, R. M. Enns, D. VanLeeuwen, Gail Silver, and Milt Thomas (Competition)

“Increasing glucogenic precursors in range supplements improves reproductive efficiency and profitability in young postpartum range cows in years 2000 to 2007,” **Travis Mulliniks**, Shad Cox, M. E. Kemp, Rachel Endecott, Richard Waterman, and Mark Petersen

“Impact of body condition score on reproductive performance in young postpartum range cows grazing native range,” **Travis Mulliniks**, Shad Cox, M. E. Kemp, Rachel Endecott, Richard Waterman, and Mark Petersen

“Digestibility of dormant warm season vegetation with addition of supplemental protein,” **Patrick Sanchez**, Shanna Ivey, Shad Cox, Richard Dunlap, Clint Löest, and Mark Petersen

“Feeding chile pepper byproduct with alfalfa hay decreases total tract diet digestibility in beef steers,” **Brock Graham**, D. Cazac, Clay Mathis, and Clint Löest

“Effects of isolation on serum and salivary cortisol and complete blood counts in ewes,” **Dustin Yates**, Tim Ross, Lily Yates, Cherish Warner, Allison Otis, and Dennis Hallford

“Effect of winter supplementation on glucose metabolism pre- and postpartum,”

**Flint Harrelson**, Shanna Ivey, Shad Cox, Richard Dunlap, Travis Mulliniks, Boone Carter, Clint Löest, and Mark Petersen

“Adaptation of warm-season annual legumes for forage in southeastern New Mexico,” **D. Calderon-Mendoza**, Alfonso Islas, Maria Martinez-Perez, J. Armendariz, F. E. Contrearras-Govea, S. Angadi, M. Marsalis, L. Lauriault, and Sergio Soto (poster)

“Effect of winter supplementation strategy on body weight and condition changes,” **Flint Harrelson**, Shanna Ivey, Shad Cox, Richard Dunlap, Clint Löest, and Mark Petersen (poster)

“Serum hormone profiles and cyclic activity in prepubertal Rambouillet ewes treated with progesterone and pregnant mare’s serum gonadotropin,” **Kellie Juardo**, Andrea Stapp, Ely Camacho, Alison Iroz, and Dennis Hallford (Poster)

“Growth endocrine axis and bovine chromosome 5: Association of SNP genotypes and reproductive phenotypes in an Angus, Brahman, and Romosinuano diallele,” **Pablo Luna**, G. Rincon, D. G. Riley, C. C. Chase, J. F. Medrano, D. VanLeeuwen, Gail Silver, and Milt Thomas

“Supplemental corn dry distiller grains plus soluble on performance of steers grazing native range,” **Maria Martinez-Perez**, D. Calderon-Mendoza, F. Loya-

Holguin, C. Murdock, Manny Encinias, and Sergio Soto-Navarro

“Effects of 8-epi-prostaglandin F<sub>2</sub> and prostaglandin F<sub>2</sub> on serum progesterone and corpus luteum size in ewes,” **Dustin Yates**, Tim Ross, Lily Yates, Allison Otis, Cherish Warner, and Dennis Hallford

“Effects of human chorionic gonadotropin on serum progesterone and complete blood counts during early gestation in ewes,” **Dustin Yates**, Tim Ross, Lily Yates, Allison Otis, Cherish Warner, and Dennis Hallford

“Serum progesterone profiles and conception rates in Rambouillet ewes treated with intravaginal progesterone at two stages of the estrous cycle,” **Alison Iroz**, Ely Camacho, Andrea Stapp, Kellie Jurado, Mike Horvath, and Dennis Hallford

“Serum progesterone, prolactin, and thyroid hormone profiles in nulliparous Rambouillet ewes after removal of an intravaginal progesterone insert,” **Andrea Stapp**, Kellie Jurado, Ely Camacho, Alison Iroz, and Dennis Hallford

“Pasture preconditioning calves at a higher rate of gain improves feedlot health but not post-weaning profit,” **Clay Mathis**, Shad Cox, Clint Löest, Mark Petersen, and Travis Mulliniks

“Effects of supplemental energy on post-ruminal utilization of tryptophan by growing lambs,” **Sara Kuykendall**, Ely Camacho, Liang Chen, and Clint Löest (poster)


“The feed value of dry distillers grains plus soluble in 90% concentrate diets for feedlot lambs,” G. Orosco, Maria Martinez-Perez, Yvonne Diaz, J. M. Garcia-Madrid, Alfonso Islas, Jack Thomas and **Sergio Soto-Navarro** (poster)

“Rumen fermentation and passage rate of growing steers exposed to an endotoxin,” **Garrett Gilliam**, **Brock Graham**, Justin Waggoner, Kasey DeAtley, Liang Chen, Shanna Ivey, and Clint Löest

Shanna Ivey chaired the Graduate Student Paper Competition section and Travis Mulliniks received the first place “Applied Animal Science Award.” Also former student Bret Taylor (MS, 1997; PhD, 2000), received the “Young Scientist Award.”

### **NEUMANN COMPETITION**

The 24<sup>th</sup> annual A. L. Neumann Scientific Paper Competition for Animal Science Graduate Students was held on June 9, 2009. Eight students who were to present papers at the WSASAS meeting participated in the competition. First place went to Kasey DeAtley, whose advisor is Milt Thomas, while second place



was awarded to Dustin Yates, a doctoral student working with Tim Ross. Others participating were Pablo Luna, Patrick Sanchez, Alison Iroz, Maria Martinez-Perez, Flint Harrelson, and Ely Camacho. Serving as judges were John Campbell and Clint Löest.

**ELAM TO LEAVE**

Nathan Elam, Superintendent of the Clayton Livestock Research Center since May 2005, submitted his resignation effective June 15, 2009. He has accepted a position with private industry.

**ETC.**

Congratulations to Lelanya Hill and Dustin Yates on their marriage on June 20, 2009 in Ruidoso.

