



THE BRIDLE BIT

Department of Animal & Range Sciences

Number 225

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PUBLICATIONS

Recent departmental publications include the following:

“Effects of supplements that contain increasing amounts of metabolizable protein with or without Ca-propionate salt on postpartum interval and nutrient partitioning in young beef cows,” R. C. Waterman, J. E. Sawyer, C. P. Mathis, D. E. Hawkins, G. B. Donart, and M. K. Petersen. 2006. *J. Anim. Sci.* 84:433-446.

“Case Study: A Chihuahuan Desert Brangus breeding program: Feed efficiency, metabolic hormones, and puberty in heifers sired by bulls with differing expected progeny differences for growth and scrotal circumference,” K. L. Shirley, M. G. Thomas, D. H. Keisler, D. M. Hallford, D. M. Montrose, G. A. Silver, and M. D. Garcia. 2006. *The Professional Animal Scientist* 22:48-58.

TRAVELS

Kirk McDaniel attended the Weed Science Society meeting in New York on February 11-16. He presented a paper titled “Broom snakeweed propagation following fire and herbicide treatments”, co-authored by Chris Ebel and Allen Torell.

Dean Hawkins served as panel manager for USDA-SBIR grant review in Washington, D.C. on February 12-15.

Attending the 21st Annual Southwest Nutrition and Management Conference in Tempe, Arizona on February 23-24 was Clint Löest. He gave a presentation on

factors that affect post-ruminal protein metabolism in dairy and beef cattle.

Milt Thomas will attend the International Brangus Breeder Association convention in Houston on March 1-2.

SRM MEETINGS

The Society for Range Management annual meeting was held in Vancouver, British Columbia, Canada on February 12-16. The following papers/posters were presented by departmental faculty and graduate students:

“Water quality effects of interactions between surface water and groundwater along the Rio Grande in northern New Mexico,” Amber Helmus, Sam Fernald, Steve Guldan, and Carlos Ochoa

“Vegetative response of mixed conifer stands to different types and frequencies of silvicultural treatment,” Glenn Mason, Terrell Baker, Jon Boren, Doug Cram, and Brian Hurd

“Effects of grazing, timber harvest, and wildfire on big game forage quantity and quality,” Brian Hurd, Jon Boren, Terrell Baker, Doug Cram, and Glenn Mason

“Water distribution in soil horizons beneath *Juniperus monosperma* in central New Mexico,” Sam Fernald, Andrés Cibils, Dawn VanLeeuwen, and Carlos Ochoa

“Habitat use by cattle grazing pinyon-juniper rangelands during calving in early spring,” Christina Black, Andrés Cibils, Rachel Endecott, Michael Rubio, Shad Cox, Mark Petersen, and Ken Boykin



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“Influence of spatial arrangement of forages on social induction of white locoweed ingestion by cattle,” Kyle Jackson, Andrés Cibils, John Graham, William Gould, and Chris Allison

“Influence of Lehmann lovegrass on wintering avian abundance and seed selection in Coronado National Memorial, Arizona,” Cesar Mendez-Gonzalez, Laurie Abbott, and Martha Desmond

“Effects of strategically placed low-moisture block supplement and salt on individual cattle grazing patterns,” Derek Bailey, Harv VanWagoner, Robin Weinmeister, and Delyn Jensen

“Use of strategic supplement placement and herding to extend cattle grazing in mountainous terrain,” Dennis Froeming, Derek Bailey, Christina Black, Robert Welling, Wayne Butts, David Voldseth, Errol Galt, and Craig Hereim

STUDENT TEAMS

The Wool Judging Team participated at the San Antonio Livestock Show on February 10-12, finishing 6th overall. Sherida Elkins was 4th in placing and reasons and Lenee Chavez was 8th in placing and reasons. The team placed 3rd overall in placing and reasons. Other team members were Bobby Dobbins, Cody Terpening, Trevor Gray, and Jamie Ragsdale. Coaches are Tim Ross and Beau Schilling. Their next contest will be in Houston in March.

The Range Plant Identification Team finished 5th overall and 11th overall in the URME contest held at the Society for Range Management meetings in Vancouver, British Columbia, Canada. Nathan Combs finished 5th overall in the combined Plant

Team/URME score and received a check for \$500. Other team members were Estevan Gallegos, Brady Allred, Alicia Garcia, Linda McKay, Sara Davidson, Sarah Ricketts, and Lenora Hawkins. Kelly Allred serves as team coach.

Three teams competed in the departmental Academic Quadrathlon activities on February 23-25. Co-ordinators of the event were Rachel Endecott and Sergio Soto-Navarro. “The Eliminators” team of Jared Long, Mike Horvath, Estevan Gallegos and Rocky Burrows finished in first place and will represent NMSU at the regional competition on April 7-8 in Laramie, Wyoming. Others competing were Shane Tomlinson, Clint Hopper, Chase Skaarer and Thane Peterson (2nd place, representing Block and Bridle) and Carrie Phipps, Brent Dixon, Patrick Sanchez and Jensen Sena (“A Team”).

ETC.

Welcome home to Ralph Fink, M.S. graduate student working with Kelly Allred. Ralph has spent the past year in Iraq with the New Mexico National Guard’s 126th Military Police Company.



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