



# New Mexico State University

## Department of Animal & Range Sciences

Number 235

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### PUBLICATIONS

A recent departmental publication includes: “Brangus cow-calf performance under two stocking levels on Chihuahuan Desert Rangeland,” **Milt Thomas**, Jerry Hawkes, **Godfrey Khumalo**, and **Jerry Holechek**, *Rangeland Ecology Management* 60:110-114.

### TRAVELS

Participating in the Southwest Beef Symposium in Amarillo, Texas on January 16-17 were Clay Mathis (“Cow-type and the Southwest Environment”), and John Wenzel (“Trichomoniasis in the Southwest”).

Andrés Cibils gave a presentation on “Grazing management considerations” at the NRCS Advanced Prescribed Grazing Workshop hosted by USDA Jornada Experimental Range on February 1.

At the San Juan Basin Extension Beef Cattle Symposium in Pagosa Springs, Colorado on February 13, Manny Encinias spoke on impacts of stress on cattle performance and management.

Tim Ross, as president of Western Section, American Society of Animal Science, made a site visit to Moscow, Idaho on February 12-14. The University of Idaho will host the WSASAS meetings in June.

### AWARDS

Kirk McDaniel and Chris Allison were recognized with special awards at the Society for Range Management meetings in Reno, Nevada. Kirk received the “W.R. Chapline Research Award”, the organization’s highest research award, for his “exceptional accomplishments in research contributing to the improvement of rangeland resources.” Chris was honored with the “Outstanding Achievement Award for Stewardship” for the advancement of range management.

### SRM MEETINGS

The Society for Range Management held their annual meeting on February 11-16 in Reno, Nevada. Papers and posters presented by departmental faculty and graduate students include:

“Evaluation of triclopyr-/clopypalid application to mesquite on various ecological sites in Eastern New Mexico,” Nathan Combs and Kirk McDaniel

“Management of saltcedar re-growth using carpet-roller applied herbicide,” Jose G. Franco, Kirk McDaniel, Brent Tanzy, and Keith Duncan

“Under-canopy and intercanopy variation in soil moisture and soil temperature of one-seed juniper stands treated with herbicide,” Hector Ramirez, Sam Fernald, and Andrés Cibils



“Water benefit justifications for rangeland improvements that remove overstory vegetation: Economic limitations and hydrologic thresholds,” Sam Fernald and Allen Torell

“Temporospatial distribution of a Northcentral New Mexico elk herd in relation to public-land livestock grazing,” Sam Smallidge, Red Baker, Chris Allison, Dawn Vanleeuwen, and Jon Boren

“Effect of previous experience on grazing patterns of Brangus cattle in the

Chihuahuan Desert,” Derek Bailey, Milt Thomas, John Walker, and Calvin Bailey

“Rangeland assessment and monitoring applications of the laser point intercept device,” Nicole Hansen and Noemi Baquera

“Using GIS to study the past and present of a Northern Chihuahuan Desert playa,” Nicole Hansen, Jeffrey Herrick, Laurie Abbott, Debra Peters, and Dara Parker

“Temporospatial distribution of elk in relation to spring vegetation NDVI greenness values in northcentral New Mexico and southcentral Colorado,” Sam Smallidge, Red Baker, Dawn Vanleeuwen, Jon Boren, and Chris Allison

“Conservation of resources for sustainable ecosystems: A dialogue on connecting science, policy, and management,” Kris Havsad, Joel Brown, Deb Peters, Brandon Bestelmeyer, Ed Fredrickson, **Rex Pieper**, and Jeff Herrick

“Evaluation of low-stress herding and supplement placement for managing

cattle grazing in riparian and upland areas,” Derek Bailey, Harv Vanwagoner, Robin Weinmeister, and Delyn Jenson

“Evaluation of low-stress herding and supplement placement to modify cattle distribution and improve pronghorn habitat,” Emily Pollak, Derek Bailey, Louis Bender, Jon Boren, Andrés Cibils, and Bob Wesley

“Effects of gender on social learning of feeding site avoidance in lambs,” Bob Wesley, Andrés Cibils, and Emily Pollak

“Sheep and goats as tool to suppress juniper encroachment: Influence of stocking density and mixed grazing during summer,” Santiago Utsumi, Andrés Cibils, and Rick Estell

“One-seed juniper intake by sheep and goats supplemented with degradable or by-pass protein,” Santiago Utsumi, Andrés Cibils, Rick Estell, and Sergio Soto-Navarro

“Influence of novel flavors on food preference on naïve steers that either avoid or consume white locoweed,” Jacob Martin and Andrés Cibils

Andrés Cibils served as moderator of the “Pampas, Savannas, and Deserts of Argentina – Traditions and Transitions in Rangeland Management, Research, and Education” symposium while Derek Bailey and Sam Fernald served as moderators of the “Water Catchment Ecohydrology: Vegetation Management for Improved Watershed Function” symposium. Laurie Abbott was a coordinator of the student competition.



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### JUDGING TEAMS

The wool judging team participated at the San Antonio Livestock Show on February 10, 2007. The team was 1<sup>st</sup> in grading, 2<sup>nd</sup> in placings and reasons, and 2<sup>nd</sup> Overall. Andrea Stapp was 3<sup>rd</sup> in placings and reasons, with a perfect score in placing classes, and Skyla Cockerham was 4<sup>th</sup> in placings and reasons. In the grading category, Denny Burnett and Russell Walter were 3<sup>rd</sup> and 6<sup>th</sup>, respectively. Overall, Denny finished as 2<sup>nd</sup> high individual while Andrea was 6<sup>th</sup>. Other team members were Erica Montoya and Brock Graham. Team coaches are Dr. Tim Ross, Beau Schilling, and Brandon Herron. Their next contest will be in March in Houston.

The livestock judging team, coached by graduate assistants, Cole Gardner and Johnathon Walsh, finished 9<sup>th</sup> overall at the San Antonio Stock Show on February 17. Davena Norris placed 6<sup>th</sup> overall, 6<sup>th</sup> in cattle, and 6<sup>th</sup> in goats. Patrick Pachta, Kali Benson, Lindsey Jaramillo, and Julian Marta are also members of the team.

At the Society for Range Management meetings in Reno, the URME (Undergraduate Range Management Exam) team finished 17<sup>th</sup> with Josh Miller placing 14<sup>th</sup> out of 152 individuals. The Range Plant Identification Team placed 9<sup>th</sup> overall, with Estevan Gallegos finishing 24<sup>th</sup> out of 120+ individuals competing. Other students from NMSU participating were Alicia Garcia and Chase Skaarer.

### NEW GRADUATE STUDENTS

New graduate students joining the department this spring include:

Pamela Almodovar (MS, Ross)  
Howard Buehler (PhD, McDaniel)  
Elideth Camacho (MS, Hallford)  
Garrett Gilliam (MS, Löest)  
Mike Horvath (MS, Ivey)  
Tomas Kaminenski (MS, Baker)  
Ahmed Kherashy (PhD, Holechek)  
Jared Long (MS, Hawkins)  
Kotagiri Nagaraju (MS, Holechek)  
Barbara Witmore (MS, Bailey)  
Dustin Yates (PhD, Ross)