PUBLICATIONS
A recent departmental publication includes the following:


TRAVELS
Sam Fernald attended the interdisciplinary modeling class for traditional irrigation research in Boise, Idaho on May 31-June 4.

Sergio Soto-Navarro was invited guest for the second annual activity report meeting at the Universidad Autonoma de Sinaloa in Colican, Sinaloa on June 3-6.

Laura White and Kayla Wells assisted with the 4-H Horse School in Albuquerque on June 8-12.

Attending the North American Colleges and Teachers of Agriculture (NACTA) conference in Atlanta, Georgia on June 15-19 from the department were Laura White, John Campbell, and Kayla Wells. Kayla gave a presentation titled “Experiential learning: Taking knowledge from our minds and putting it into students’ hands.” Laura also received the National Education Award from NACTA.

Andrés Cibils attended the Summer Faculty Fellowship to Israel on May 24-June 4 where he was able to meet with colleagues from University of Tel Aviv, Hebrew University of Jerusalem, Ben-Gurion University, Israel’s Agricultural Research Organization, and the Arava Institute for Environmental Studies to discuss collaboration opportunities. On June 8-9, he was in Rochester, New York for the NCERA 214 committee meeting. Andrés visited with faculty, students and the Dean of the Facultad de Ingenieria y Ciencias Agrarias at the Universidad Nacional de Lomas de Zamora (his alma mater) in Buenos Aires, Argentina to talk about the department’s graduate programs and explore student and faculty exchange opportunities.

Ryan Ashley and Adam Summers attended the Society for Study of Reproduction (SSR) meeting in Puerto Rico on June 15-19. Ryan served as chair of the Diversity Committee and was also a mentor for the “Trainee/Mentor Meeting.”

NEUMANN COMPETITION
Seven students participated in the annual A. L. Neumann Scientific Paper Competition for Animal Science Graduate Students on June 17, 2015. Presentations were:

“Performance of beef cattle as influenced by controlled and uncontrolled populations of horn flies (Diptera:Muscidae),” Brandon Smythe, Mark Wise, Eric Scholljegerdes, and M. Fletcher.

“Chemokine ligand twelve and T-helper 1 cytokines increase in corpus luteum during implantation in sheep,” Stacia Prosser, Kelsey Quinn, and Ryan Ashley.

“Health, performance, and ovalbumin-specific immunoglobulin titers of feedlot receiving calves in response to intranasal or subcutaneous vaccination programs,”
**Eben Oosthuysen**, Mike Hubbert, James Graves, Amanda Ashley, and Clint Löest

“Assessment of supplemental trace mineral level and source on liver and serum mineral concentrations after feeding cattle a diet deficient in trace minerals,” **Margaret Garcia**, Eben Oosthuysen, Mike Hubbert, Mark Branine, Connie Larson, Clint Löest, and Eric Scholljegerdes

“Effects of arginine supplementation in adult exercising horses on heart rate and blood metabolites,” **Lyndi Owensby**, Laura White, B. Housewright, and Eric Scholljegerdes

“Effects of supplementation of acyl-homoserine lactones on in vitro true digestibility of a forage diet,” **Katelin Marchetti**, A. Garza, Eric Scholljegerdes, and Shanna Lodge-Ivey

“Comparison of titanium dioxide vs. chromic oxide as a digestibility marker for horses,” **Trevor Morgan**, Allison Salazar, Eric Scholljegerdes, Clint Löest, Laura White, Frankie Melgar, and Shanna Lodge-Ivey

First place went to **Eben Oothuysen** while second place was awarded to **Katelin Marchetti**. Serving as judges were **Dr. Tim Ross**, **Dr. Adam Summers**, and **Dr. Marcy Ward**.

**WESTERN SECTION, ASAS**

NMSU’s Animal and Range Sciences department served as host institution for the Western Section, American Society of Animal Science. The meeting was held at the Ruidoso Convention Center on June 23-26. Thanks to **Shanna Ivey** (WSASAS Secretary/Treasurer) along with faculty and graduate students for making arrangements. Receiving the WSASAS Young Scientist Award was **Ryan Ashley** and the WSASAS Service Award went to **Mike Hubbert** (Clayton Livestock Research Center). **Kelsey Quinn** placed 1st in the Graduate Student Paper Competition and NMSU alumnus, **Matthew Crouse** was 3rd while **Anna Garza** was 2nd in the Undergraduate Poster Competition. The NMSU Academic Quadrathlon Team (**Alyssa Hackett, Dallas Rae Brown, Elizabeth Parker, and Stefan Perez**) took 3rd place overall, finishing 1st in lab practicum and tied for 2nd in oral presentation. **Whit Stewart** and **Katelin Marchetti** were recognized with the Young Scholars Recognition awards.

![Ryan Ashley](image1)

![Mike Hubbert](image2)

![Kelsey Quinn](image3)
Papers and posters presented by NMSU personnel were:

“Inhibition of chemokine receptor four (CXCR4) signaling in vivo suppresses trophoblast invasion during early gestation in sheep,” Kelsey Quinn, Stacia Prosser, Ryan Ashley

“Performance of beef cattle as influenced by controlled and uncontrolled populations of horn flies (Diptera:Muscidae),” Brandon Smythe, Mark Wise, Eric Scholljegerdes

“Comparison of titanium dioxide vs. chronic oxide as an external markr to estimate fecal output in horses,” Trevor Morgan, Allison Salazar, Frankie Melgar, Eric Scholljegerdes, Clint Löest, Laura White, Katelin Marchetti, Sergio Soto-Navarro, K. Winsco, Shanna Ivey

“Chemokine ligand twelve and T-helper 1 cytokines increase in corpus luteum during implantation in sheep,” Stacia Prosser, Kelsey Quinn, Ryan Ashley

“Health, performance, and ovalbumin-specific immunoglobulin titers of feedlot receiving calves in response to intranasal or subcutaneous vaccination programs,” Eben Oothuysen, Mike Hubbert, James Graves, Amanda Ashley, Clint Löest

“Assessment of supplemental trace mineral level and source on liver and serum mineral concentrations after feeding cattle a diet deficient in trace minerals,” Margaret Garcia, Eben Oothuysen, Mike Hubbert, M. Branine, C. Larson, Clint Löest, Eric Scholljegerdes


“Evaluation of Scenedesmus sp. microalgae on rumen fermentation and growth of Rambouillet lambs,” B. Bonfantini, Katelin Marchetti, Shanna Ivey, Sergio Soto-Navarro

“Quality of movement and gait kinematics are similar for horses wearing a perimeter fit and square toe horseshoe,” P. Underwood, L. Hirtz, K. Walter, and Laura White

“Comparison of the vaginal microbiota in non-pregnant and pregnant ewes during early pregnancy,” Anna Garza, Katelin Marchetti,
Kelsey Quinn, Ryan Ashley, Chris Shelley, Shanna Ivey
“Effects of arginine supplementation in adult exercising horses on heart rate and blood metabolites,” Lyndi Owensby, Laura White, B. Housewright, Eric Scholljegerdes, K. Walter
“Effects of maternal nutrition and rumen-protected arginine supplementation on circulating hormone and metabolite concentrations in both ewes and lambs,” J. Peine, K. Chilcoat, M. Crouse, M. Kapphahn, S. O’Rourke, Dennis Hallford, L. Reynolds, J. Caton
“Effects of supplementation of acylhomoserine lactones on in vitro digestibility of a poor quality forage diet,” Katelin Marchetti (Young Scholar presentation)
“Effects of feeding ground juniper to gestating ewes on per- and postpartum ewe performance, serum biochemistry and hormones, milk fatty acid composition and progeny preweaning performance,” Whit Stewart (Young Scholar presentation)
“Introduction and historical perspectives on NM sheep industry,” Tim Ross (Distinguished Service Lecture)
“Relationship of pulmonary arterial pressure and terrain use of beef cows grazing high altitude foothill rangelands,” Derek Bailey, M. Thomas, T. Holt, M. Stephenson, R. Enns, S. Speidel
At the Sheep and Goat Symposium, presentations were given by Whit Stewart (“Opportunities to increase cash flow”) and Tim Ross (“Early History of Sheep in the West”).
The Graduate Student “Lunch and Learn” was chaired by Kelsey Quinn, with Adam Summers, and former NMSU grad students Laura Tracey and Boone Carter on the discussion panel.
Eric Scholljegerdes chaired the WSASAS Beef Symposium, and Ryan Ashley chaired the Physiology Sections and Young Scholar Recognition program

DEPARTURES
Dr. Liang Chen, Agricultural Research Scientist for the Nutrition Lab will retire June 30 after 15 years with the department. Dr. Chen received a B.S. degree in chemistry from Anhui University in the People’s Republic of China, and his M.S. and Ph.D. in analytical chemistry from NMSU. We wish Liang and his wife, Yuan-Feng, the best during their retirement years.

Monica Hernandez, Administrative Assistant for RITF, will also retire June 30. Monica has been with the University and ACES for 25 years.

Dr. Amanda Ashley has accepted an assistant professor position with the NMSU Department of Chemistry and Biochemistry teaching toxicology. She will begin her new duties in August.

ETC.
Congratulations to Derek and Cindy Bailey on the birth of a grandson, Derek William Gonzalez, on May 23, 2015 in Las Cruces.

Eric Scholljegerdes has been selected for membership to the NMSU Graduate Council from the College of Agricultural, Consumer, and Environmental Sciences.

Congratulations to Dennis Hallford on being recognized as one of the Top 20 Animal Science Professors in the country by VetTech Colleges.com. Also honored was alumnus and former faculty member, Mike Galyean, currently Dean of Agriculture at Texas Tech University.

Sympathy is expressed to Dennis Hallford and family on the death of his brother, Tom, in Abilene, Texas on June 21, 2015.