

Daniel F. Waldron

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EDUCATION:

Ph. D., Animal Breeding and Genetics, 1990. University of Illinois, Urbana. Department of Animal Sciences. Thesis title: Estimation of Genetic Parameters for Development of Alternate Selection Criteria for Increased Litter Size in Rambouillet Sheep.

Master of Science, Animal Breeding and Genetics, 1987. University of Illinois, Urbana. Department of Animal Sciences. Thesis title: An Analysis of Central Ram Tests in The Midwest.

Bachelor of Science, with Distinction, 1983. University of Minnesota, St. Paul. Double Major: Animal Science and Agricultural and Applied Economics.

PROFESSIONAL EXPERIENCE:

2006-present: Professor of Animal Breeding/Genetics, Texas AgriLife Research, San Angelo, Texas A&M System.

1999-2006: Associate Professor of Animal Breeding/Genetics, Texas Agricultural Experiment Station, San Angelo, Texas A&M System.

1993-1999: Assistant Professor of Animal Breeding/Genetics, Texas Agricultural Experiment Station, San Angelo, Texas A&M System.

1990-1993: Research Geneticist, New Zealand Ministry of Agriculture and Fisheries, Ruakura Agricultural Centre, Hamilton, New Zealand.

1983-1990: Grad. Research Assistant, Department of Animal Science, Univ. of Illinois, Urbana.

POSITION DESCRIPTION:

The position includes responsibility for planning, conducting, interpreting and reporting results from breeding, selection and management research programs designed to increase the technology for improving the production efficiency and profitability of sheep and Angora and meat goats. Through consultation with the industry, peers and administration, research priorities will be selected to sufficiently limit the research program to allow for in-depth research and follow through to meaningful conclusions. This position includes the responsibility for managing the assigned land and animal resources, employing and managing a capable support staff, managing the expenditure of maintenance funds and utilizing the latest research technology for conducting an effective research program. Much of the research will be conducted in cooperation with other scientists and producers. A major responsibility is to communicate research results to the scientific community and to the industry.

PROFESSIONAL SOCIETIES:

American Society of Animal Science,	1985-present
New Zealand Society of Animal Production,	1990-present
International Goat Association,	1997-present

SERVICE:

Technical Committee of National Sheep Improvement Program	1996-
Secretary, NC-111 Regional Research Project	1996-1997
Vice-Chairman, NC-111 Regional Research Project	1997-1998
Chairman, NCR-190 Technical Committee	1998-1999
Editorial Board, Journal of Animal Science,	1997-2000
Ad-hoc reviewer for Sheep and Goat Res. J.	1996-
Ad-hoc reviewer for Small Rumin. Res.	1997-
Ad-hoc reviewer for Anim. Sci. (former Anim. Prod.)	1998-
Ad-hoc reviewer for USDA-Small Business Innovation Research	1998-1999
San Angelo Center Planning Committee	1994-1995,1997-'98 1999-2000,2004-'05

GRADUATE STUDENT TRAINING:

Adjunct Professor of Animal Science, Angelo State University	1994-present
Member of the Graduate Faculty, Texas A&M University	1997-present

SERVICE ON GRADUATE STUDENT COMMITTEES:

Student	Year*	Degree	My Role
Baitsi Podisi	1998	M.S. Texas A&M	Co-Chair
Amanda Aber	1998	M.S. Angelo State	Committee member
Kristina Schulze	1999	M.S. Angelo State	Co-Chair
Andrew Laughlin	2001	M.S. Angelo State	Thesis Chair
Stephanie Falck	2001	M.S. Texas A&M	Committee member
Tess Ingram	2002	M.S. Angelo State	Committee member
Brandy Brotherton	2002	M.S. Texas A&M	Co-Chair
Andrew Hart	2003	M.S. Angelo State	Thesis Chair
Jeff Rhone	2005	M.S. Texas A&M	Co-chair
Raelye Self	2007	M.S. Angelo State	Thesis Chair
Ross Copeland	2007	M.S. Angelo State	Thesis Chair
Jess Yeaman	2011	M.S. Angelo State	Thesis Chair

* Year of Graduation

PRESENT RESEARCH INTERESTS:

Strategies for genetic improvement of meat and fiber production from sheep and goats.

Current projects include: Evaluation of Dorper and Rambouillet as maternal breeds in Texas range environment, Estimation of genetic variation for early-breeding-season fertility in meat goats, Estimation of genetic variation for juniper consumption in goats, and improved reproductive efficiency by use of the FecB allele in finewool sheep.

The purpose of each of these projects is to provide sheep and goat producers with the information they need to make informed decisions when selecting breeds or breeding stock within breeds to improve production efficiency.

PAST RESEARCH:

Evaluation of accuracy of central test performance for prediction of genetic merit for growth rate and fleece traits in Rambouillet sheep.

Genetic selection for heavy weight lean lamb: Estimation of genetic and phenotypic relationships among carcass measurements in sheep.

Economic analysis of lamb price schedules: Interpretation of economic signals given by the New Zealand lamb market to producers. Computer simulation was used to determine the economic value of genetic selection strategies.

Lamb growth and carcass composition: Published a series of 3 papers on growth rate and carcass composition in progeny of centrally tested rams.

Selection for reproduction in sheep: Estimation of variance and covariance components for litter size, ovulation rate, scrotal circumference and body weight.

Genetic relationships among production traits in Rambouillet sheep. Estimated genetic and phenotypic variance parameters for fleece weights, body weight and number of lambs born.

Genetic variation in susceptibility among sheep breeds to Ovine Progressive Pneumonia (OPP). Lambs of 4 breeds were artificially infected and responses evaluated. This was a cooperative project with Dr. de la Concha.

Genetic diseases: Analyzed data for determining mode of inheritance of Spider Syndrome in Suffolk sheep.

PAST TEACHING EXPERIENCE: University of Illinois.

I was responsible for lab sections of Sheep Production and Plant and Animal Genetics.

GRANTS RECEIVED:

Title: Mohair - Selecting Angora goats for fine fiber
Sponsor: Texas Food & Fibers Commission
Investigators: D.F. Waldron
Amount: \$11,221
Duration: 9/93 to 8/94

Title: Genetic mapping and pathology of Ceroid Lipofuscinosis in Rambouillet
Sponsor: Texas A&M Interdisciplinary Research Initiatives Program
Investigators: L.C. Skow, D.F. Waldron, R.W. Storts
Amount: \$25,000 I was responsible for \$5,000
Duration: 6/94 - 8/95

Title: Mohair - Selecting Angora goats for fine fiber
Sponsor: Texas Food & Fibers Commission
Investigators: D.F. Waldron
Amount: \$11,220
Duration: 9/94 to 8/95

Title: Utilization of a molecular genetic marker in breeding programs aiming at increasing lamb production of native sheep breeds in Israel and Texas
Sponsor: Texas Israel Exchange, Texas Dept. of Agriculture
Investigators: D.F. Waldron and E. Gootwine
Amount: \$55,540 I was responsible for \$27,770
Duration: 6/95 to 9/96

Title: Selection and nutrition management to increase product quality and production efficiency from goats and sheep
Sponsor: Texas Food & Fibers Commission
Investigators: D.F. Waldron
Amount: \$11,694
Duration: 9/95 to 8/96

Title: Selection of sheep genetically resistant to Ovine progressive pneumonia-induced disease
Sponsor: Texas Agriculture Experiment Station, Research Enhancement Program
Investigators: A. de la Concha and D.F. Waldron
Amount: \$37,700
Duration: 1/96 - 8/97

Title: Utilization of molecular genetic markers in breeding programs aiming at increasing lamb production of native sheep breeds in Israel and Texas
Sponsor: Texas Israel Exchange, Texas Dept. of Agriculture
Investigators: D.F. Waldron and E. Gootwine
Amount: \$50,000 I was responsible for \$25,000
Duration: 9/96 to 8/97

Title: Selection and nutrition management to increase product quality and production efficiency from goats and sheep
Sponsor: Texas Food & Fibers Commission
Investigators: D.F. Waldron
Amount: \$11,693
Duration: 9/96 to 8/97

Title: Selection and nutrition management to increase product quality and production efficiency from goats and sheep
Sponsor: Texas Food & Fibers Commission
Investigators: D.F. Waldron
Amount: \$12,000
Duration: 9/97 to 8/98

Title: Utilization of molecular genetic markers in breeding programs aiming at increasing lamb production of native sheep breeds in Israel and Texas
Sponsor: Texas Israel Exchange, Texas Dept. of Agriculture
Investigators: D.F. Waldron and E. Gootwine
Amount: \$27,778 I was responsible for \$27,778
Duration: 4/98 to 8/99

Title: Selection and nutrition management to increase product quality and production efficiency from goats and sheep
Sponsor: Texas Food & Fibers Commission
Investigators: D.F. Waldron
Amount: \$12,000
Duration: 9/98 to 8/99

Title: Selection and nutrition management to increase product quality and production efficiency from goats and sheep
Sponsor: Texas Food & Fibers Commission
Investigators: D.F. Waldron
Amount: \$12,000
Duration: 9/99 to 8/00

Title: Using DNA markers as an aid to increasing the efficiency of lamb production in fine-wool sheep
Sponsor: Houston Livestock Show and Rodeo
Investigators: D.F. Waldron
Amount: \$2,000
Duration: 9/00 to 8/01

Title: Selection and nutrition management to increase product quality and production efficiency from goats and sheep
Sponsor: Texas Food & Fibers Commission
Investigators: D.F. Waldron

Amount:\$12,000
Duration:9/00 to 8/01

Title:Selection and nutrition management to increase product quality and production efficiency from goats and sheep

Sponsor:Texas Food & Fibers Commission
Investigators:D.F. Waldron
Amount:\$17,850 + \$5,000 awarded for ultrasound equipment
Duration:9/01to 8/02

Title:Improving the use of goats to manage juniper.

Sponsor:Texas Food & Fibers Commission
Investigators:Charles A. Taylor, Jr., Dan Waldron, John Walker
Amount:\$32,000 (I was responsible for ~\$14,000)
Duration:9/01to 8/02

Title:Selection and nutrition management to increase product quality and production efficiency from goats and sheep

Sponsor:Texas Food & Fibers Commission
Investigators:D.F. Waldron
Amount:\$17,850
Duration:9/02 to 8/03

Title:Improving the use of goats to manage juniper.

Sponsor:Texas Food & Fibers Commission
Investigators:Charles A. Taylor, Jr., Dan Waldron, John Walker
Amount:\$32,000 (I was responsible for ~\$18,000)
Duration:9/02 to 8/03

Title:Evaluation of response to selection for early-season breeding in meat producing goats

Sponsor:Texas Food & Fibers Commission
Investigators:D.F. Waldron
Amount:\$16,000
Duration:9/03 to 8/04

Title:Improving the use of goats to manage juniper.

Sponsor:Texas Food & Fibers Commission
Investigators:Charles A. Taylor, Jr., Dan Waldron, John Walker, Chris Lupton
Amount:\$32,000 (I was responsible for ~\$14,000)
Duration:9/03 to 8/04

Title:Use of ultrasound to improve prediction of carcass value

Sponsor:Texas Food & Fibers Commission
Investigators:D.F. Waldron
Amount:\$9,600.

Duration:9/03 to 8/04

Title:Evaluation of Dorper vs. Rambouillet Ewes for Lamb Production
Sponsor:National Sheep Industry Improvement Center
Investigators:D.F. Waldron
Amount:\$30,000.
Duration:1/04 to 9/05

Title:Development and Implementation of a National Genetic Evaluation for Meat Goats
Sponsor:National Sheep Industry Improvement Center
Investigators:American Boer Goat Association, D.F. Waldron
Amount:\$35,000.
Duration:1/06 to 9/07

Title:Goats for Maximal Efficacy of Brush Control
Sponsor:BARD
Investigators:S.Y. Landau, (Israel) J. Walker (TAES) A. Perevolotsky (Israel)
E.D.Ungar (Israel), C.A. Taylor (TAES), D.F. Waldron (TAES)
Amount:\$357,000
Duration:6/04 to 6/07

Title:Evaluation of response to selection for early-season breeding in meat producing goats
Sponsor:Texas Food & Fibers Commission
Investigators:D.F. Waldron
Amount:\$16,000
Duration:9/04 to 8/05

Title:Improving the use of goats to manage juniper.
Sponsor:Texas Food & Fibers Commission
Investigators:Charles A. Taylor, Jr., Dan Waldron, John Walker, Chris Lupton
Amount:\$32,000 (I was responsible for ~\$12,000)
Duration:9/04 to 8/05

Title:Use of ultrasound to improve prediction of carcass value
Sponsor:Texas Food & Fibers Commission
Investigators:D.F. Waldron
Amount:\$9,600.
Duration:9/04 to 8/05

Title:Evaluation of response to selection for early-season breeding in meat producing goats
Sponsor:Texas Food & Fibers Commission
Investigators:D.F. Waldron
Amount:\$16,000
Duration:9/05 to 8/06

Title:Evaluation of response to selection for early-season breeding in meat producing goats

Sponsor:Texas Dept of Agriculture, Food & Fibers Program

Investigators:D.F. Waldron

Amount:\$20,000

Duration:9/06 to 8/07

Title:

Sponsor:National Sheep Industry Improvement Center

Investigators:D.F. Waldron & P.K. Riggs

Amount:\$49,000

Duration:2/2013 to 6/2014

OTHER RESEARCH SUPPORT:

143 straws of Boer goat semen from 3 different donors

Amount:\$9,800 Value estimated by donors

Duration:1994

Gift of Boer female for research project

Amount:\$15,000 Value estimated by donors

Duration:1995

Loans of Boer and Spanish bucks for breeding purposes

Amount:20+ bucks loaned for various research projects

Duration:1993-1997

Gift of Dorper and Rambouillet ewe lambs to initiate breed comparison

Amount:\$20,000 (30 Dorper ewes + 12 Rambouillet ewes)

Duration:2003

PUBLICATIONS:

Refereed Journal Articles:

1. Waldron, D.F., D.L. Thomas, T.W. Wickersham, D.G. Morrical, S.R. Baertsche, R.E. Hudgens, C.W. Hirschinger, and R.A. Kemp. 1989. Central ram tests in the midwestern United States I. Description and estimation of performance trends. *J. Anim. Sci.* 67:1189-1198.
2. Waldron, D.F., D.L. Thomas, T.W. Wickersham, D.G. Morrical, S.R. Baertsche, R.E. Hudgens, C.W. Hirschinger, and R.A. Kemp. 1989. Central ram tests in the midwestern United States II. Factors affecting test performance and sale price of tested rams. *J. Anim. Sci.* 67:1199-1207.
3. Long, T.E., D.L. Thomas, R.L. Fernando, J.M. Lewis, U.S. Garrigus, and D.F. Waldron. 1989. Estimation of individual and maternal heterosis, repeatability and heritability for ewe productivity and its components in Suffolk and Targhee sheep. *J. Anim. Sci.* 67:1208-1217.
4. Waldron, D.F., D.L. Thomas, J.M. Stookey, T.G. Nash, F.K. McKeith, and R.L. Fernando. 1990. Central ram tests in the midwestern United States: III. Relationship between sire's central test performance and progeny performance. *J. Anim. Sci.* 68:45-53.
5. Matos, C.A.P., D.L. Thomas, T.G. Nash, D.F. Waldron, and J.M. Stookey. 1992. Genetic analyses of scrotal circumference size and growth in Rambouillet lambs. *J. Anim. Sci.* 70:43-50.
6. Waldron, D.F., J.N. Clarke, A.L. Rae, A.H. Kirton, and G.L. Bennett. 1992. Genetic and phenotypic parameter estimates for selection to improve lamb carcass traits. *N.Z. J. Agric. Res.* 35:287-298.
7. Waldron, D.F. and D.L. Thomas. 1992. Increased litter size in Rambouillet sheep: I. Estimation of genetic parameters. *J. Anim. Sci.* 70:3333-3344.
8. Waldron, D.F. and D.L. Thomas. 1992. Increased litter size in Rambouillet sheep: II. Expected response from alternative selection criteria. *J. Anim. Sci.* 70:3345-3350.
9. Waldron, D.F., C.A. Morris, R.L. Baker, and D.L. Johnson. 1993. Maternal effects for growth traits in beef cattle. *Livest. Prod. Sci.* 34:57-70.
10. Lupton, C.J., J.E. Huston, J.W. Holloway, B.G. Warrington, D.F. Waldron, P.V. Thompson, F.A. Pfeiffer, and K. Qi. 1996. Animal performance and fleece characteristics of Angora goats maintained on western and southern Texas rangeland. *J. Anim. Sci.* 74:545-550.
11. Lupton, C.J., D.F. Waldron, and F.A. Pfeiffer. 1997. Fiber diameter measurements of Angora goats on performance test. *Sheep & Goat Res. J.* 13:1-5.
12. Lupton, C.J., D.F. Waldron, and F.A. Pfeiffer. 1997. Fiber diameter measurements of fine-wool rams on performance test. *Sheep and Goat Res. J.* 13:82-86.
13. Rhee, K.S., Y.A. Ziprin, C.E. Bishop*, and D.F. Waldron. 1997. Composition and stability of goat meat patties as affected by breed type and feeding regimen. *J. Food Sci.* 62:949-953,962.

14. Willingham, T.D., D.F. Waldron, and J.E. Wheaton. 1997. Effect of passive immunization against inhibin on serum antibody titers, FSH, and reproductive performance of Rambouillet ewes. *Sheep & Goat Res. J.* 13:142-149.
15. Waldron, D.F., T.D. Willingham, P.V. Thompson, R.G. Eckhoff*, and B.J. May. 1998. Age at first estrus, ovulation rate, and age at anestrus in puberal Boer x Spanish and Spanish Does. *Small Rum. Res.* 31:173-176.
16. Waldron, D.F., T.D. Willingham, P.V. Thompson, and K.N. Bretzlaff. 1998. Effect of concomitant injection of prostaglandin and PMSG on pregnancy rate and prolificacy of artificially inseminated Spanish goats synchronized with CIDR. *Small Rum. Res.* 31:177-179.
17. *Lopez-Perez, D., S.D. Lukefahr, and D.F. Waldron. 1998. Comparison of crossbred Boer x Spanish and purebred Spanish kids for growth and litter size traits. *Sheep & Goat Res. J.* 14:144-147.
18. *Salisbury, M.W., D.F. Waldron, G.R. Engdahl, C.J. Lupton, C.B. Scott, and B.J. May. 1999. Central test performance of Rambouillet rams as a predictor for growth and wool traits in feedlot and range environments. *Sheep & Goat Res. J.* 15:80-86.
19. *Oman, J.S., D.F. Waldron, D.B. Griffin and J.W. Savell. 1999. Effect of breed-type and feeding regimen on goat carcass traits. *J. Anim. Sci.* 77:3215-3218.
20. *Oman, J.S., D.F. Waldron, D.B. Griffin and J.W. Savell. 2000. Carcass traits and retail display-life of chops from different goat breed-types. *J. Anim. Sci.* 78:1262-1266.
21. Rhee, K.S., D.F. Waldron, Y.A. Ziprin, and K.C. Rhee. 2000. Fatty acid composition of goat diets vs. intramuscular fat. *Meat Sci.* 54:313-318.
22. *Lee, J.W., D.F. Waldron, and L.D. Van Vleck. 2000. Parameter estimates for fleece weight of Rambouillet sheep at different ages. *J. Anim. Sci.* 78:2108-2112.
23. *Lee, J.W., D.F. Waldron, and L.D. Van Vleck. 2000. Parameter estimates for number of lambs born at different ages and for 18-month body weight of Rambouillet sheep. *J. Anim. Sci.* 78:2086-2090.
24. Willingham, T.D. and D.F. Waldron. 2000. A Brief review of the potential use of the Booroola (Fec^B) allele in the United States. *Sheep & Goat Res. J.* 16:20-25.
25. Ueckert, D.N., R.A. Phillips, J.L. Petersen, X.B. Wu, and D.F. Waldron. 2001. Redberry Juniper canopy cover dynamics on western Texas rangelands. *J. Range Man.* 54:603-610.
26. Lupton, C.J., D.F. Waldron, and F.A. Pfeiffer. 2001. Prickle factor in fleeces of performance-tested Fine-wool rams. *Sheep & Goat Res. J.* 17(1):9-13.
27. *Falck, S.J., G.E. Carstens, and D.F. Waldron. 2002. Effects of prenatal shearing of ewes on birth weight and neonatal survivability of lambs. *Sheep & Goat Res. J.* 17(1):14-20.
28. Waldron, D.F. 2002. Strategies for genetic improvement of carcass value in lambs. *Sheep & Goat Res. J.* 17(3):33-37.
29. *Laughlin, A.M., D.F. Waldron, B.F. Craddock, G.R. Engdahl, R.K Dusek, J.E. Huston, C.J. Lupton, D.N. Ueckert, T.L. Shay, and N.E. Cockett. 2003. Use of DNA markers to determine paternity in a multiple-sire mating flock. *Sheep & Goat Res. J.* 18:14-17.

30. Rhee, K.S., C.E. Myers, and D.F. Waldron. 2003. Consumer sensory evaluation of plain and seasoned goat meat and beef products. *Meat Sci.* 65:785-789.
31. de la Concha-Bermejillo, A., J. Guo, Z. Zhang, and D.F. Waldron. 2003. Severe persistent orf in young goats. *J. Vet. Diag. Inv.* 15:423-431.
32. *Schulze, K.S., D.F. Waldron, T.D. Willingham, D.R. Shelby, G.R. Engdahl, E. Gootwine, S. Yoshefi, G. W. Montgomery, M.L. Tate, and E.A. Lord. 2003. Effects of the Fec^B allele in half-sib families of Rambouillet-cross ewes. *Sheep & Goat Res. J.* 18:83-88.
33. Thomas, D.L., D.F. Waldron, G.D. Lowe, D.G. Morrical, H.H. Meyer, R.A. High, Y.M. Berger, D.D. Clevenger, G.E. Fogle, R.G. Gottfredson, S.C. Loerch, K.E. McClure T.D. Willingham, D.L. Zartman, and R.D. Zelinsky. 2003. Length of docked tail and incidence of rectal prolapse in lambs. *J. Anim. Sci.* 81:2725-2732.
34. Lupton, C.J., D.F. Waldron, and F.A. Pfeiffer. 2003. Interrelationships of traits measured on fine-wool rams during a central performance test. *Sheep & Goat Res. J.* 18:1-7.
35. King, D.A., K.L. Voges, D.S. Hale, D.F. Waldron, C.A. Taylor, and J.W. Savell. 2004. Use of high and low voltage electrical stimulation strategies enhance muscle tenderness and color from cabrito carcasses. *Meat Sci.* 68:529-535.
36. Ellis, C.R., R.E. Jones, C.B. Scott, C.A. Taylor Jr., J.W. Walker, and D.F. Waldron. 2005. Sire influence on Juniper Consumption by Goats. *Rangeland Ecology & Management.* 58:324-328.
37. Walker, J.W., E.S. Campbell, C.J. Lupton, C.A. Taylor, Jr., D.F. Waldron, and S.Y. Landau. 2007. Effects of breed, sex, and age on the variation and ability of fecal near-infrared reflectance spectra to predict the composition of goat diets. *J. Anim. Sci.* 85: 518-526.
38. Campbell, E. S. Taylor, Jr. J. Walker, C. Lupton, D. Waldron, S. Landau. 2007. Effects of protein supplementation on juniper intake by goats. *J. Rangeland Eco. and Mgmt.* 60:588-595.
39. White, S., L. Herrmann-Hoesing, K. O'Rourke, D. Waldron, J. Rowe, J. Alverson. 2008. Prion gene (*PRNP*) haplotype variation in United States goat breeds. *Genet. Sel. Evol.* 40:553-561.
40. Waldron, D.F., C.A. Taylor Jr., J.W. Walker, E.S. Campbell, C.J. Lupton, T.D. Willingham, S.Y. Landau. 2009. Heritability of juniper consumption in goats. *J. Anim. Sci.* 87:491-495.
41. Forbes, T.D.A., R.V. Machen, D.F. Waldron, and C.M. Hensarling. 2008. Serum and tissue copper concentrations in meat goats fed increasing levels of copper. *Small. Rum. Res.* (submitted)
42. Whitney, T.R. and D.F. Waldron. 2009. Evaluating nutritional status of Dorper and Rambouillet ewes in a range sheep production system. *Sheep & Goat Res. J.* 24:10-16.
43. Lupton, C. J., E. S. Campbell, B. S. Engdahl, T. D. Lovett, F. A. Pfeiffer, C. A. Taylor, Jr., D. F. Waldron, and J. W. Walker. 2009. Selecting Angora goats to consume more juniper. *Tropical and Subtropical Agroecosystems J.* 11:59-64.

44. Campbell, E. S., R. A. Frost, T. K. Mosley, J. C. Mosley, C. J. Lupton, C. A. Taylor, Jr., J. W. Walker, D. F. Waldron, and J. Musser. 2010. Pharmacokinetic differences in exposure to camphor after intraruminal dosing in selectively bred lines of goats. *J. Anim. Sci.* 88:2620-2626.
45. Blackburn, H. D., S. R. Paiva, S. Wildeus, W. Getz, D. Waldron, R. Stobart, D. Bixby, P. H. Purdy, C. Welsh, S. Spiller and M. Brown. 2011. Genetic Structure and Diversity among Sheep Breeds in the United States: Identification of the Major Gene Pools. *J. Anim. Sci.* 89:2336-2348.
46. Musser, J. M., D. F. Waldron, and C. A Taylor. 2012. Evaluation of homologous and heterologous protection induced by a virulent field strain of orf virus and an orf vaccine in goats. *Am. J. Vet. Res.* 73:86-90.
47. White, S. N., J. O. Reynolds, D. F. Waldron, D. A. Schneider, and K. I. O'Rourke. 2012. Extended scrapie incubation time in goats singly heterozygous for PRNP S146 or K222. *Gene.* 501:49-51.
48. Washburn, K. E., W. Bissett, D. Waldron, and V. Fajt. 2013. Serologic and bacteriologic culture prevalence of *Corynebacterium pseudotuberculosis* infection in goats and sheep and use of Bayesian analysis to determine value of assay results for prediction of future infection. *J. Am. Vet. Med. Assoc.* 242:997-1002.
49. Walker, J. W., D. F. Waldron, E. S. Campbell, C. A. Taylor, Jr., C. J. Lupton, and S. Landau. 2013. Intermediate Periodicities in Juniper Consumption and Sampling Strategies to Estimate the Diet of Free-Grazing Goats. *Rangeland Ecology & Management* 66:209-215.
50. *Yeaman, J. C., D. F. Waldron, and T. D. Willingham. 2013. Growth and feed conversion efficiency of Dorper and Rambouillet lambs. *J. Anim. Sci.* (accepted).
51. *Rhone, J. A., D. F. Waldron, and A. D. Herring. 2013. Performance of Boer-Spanish and Spanish does in Texas I: Body weights, fertility, prolificacy, and number of kids weaned. *J. Anim. Sci.* (submitted)

* *graduate student or post-doc.*

Proceedings:

- Waldron, D.F., D.L. Thomas, J.M. Stookey, and R.L. Fernando. 1986. Relationship between growth of Suffolk rams on central performance test and growth of their progeny. *Proc. 3rd World Congress on Genetics Applied to Livestock Production.* Lincoln, NE. 9:639-644.
- Thomas, D.L., A.R. Cobb, and D.F. Waldron. 1988. Spider Syndrome - A genetic defect found in American Suffolk sheep. *Proc. 3rd World Congress on Sheep and Beef Cattle Breeding.* Paris, France. 1:649-651.
- Waldron, D.F. and D.L. Thomas. 1990. Alternative selection criteria for reproduction in sheep - litter size, ovulation rate and scrotal circumference. *Proc. Aust. Assoc. Anim. Breeding and Genetics.* 8:265-268.

- Waldron, D.F., J.N. Clarke, and A.L. Rae. 1991. Analysis of lamb schedules and relative economic values of lean and fat. *Proc. N.Z. Soc. Anim. Prod.* 51:405-409.
- Clarke, J.N., D.F. Waldron, and A.L. Rae. 1991. Selection objectives and criteria for terminal lamb sires. *Proc. Aust. Assoc. Anim. Breeding and Genetics.* 9:265-271.
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