

CODY B. SCOTT, Ph.D.

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Career Objective

The development and implementation of education and research programs on improving use of the environment by ruminants.

EducationUtah State University, Logan, Utah.

Doctor of Philosophy in Rangeland Resources (1995)

Angelo State University, San Angelo, Texas.

Master of Science in Animal Science (1992)

Bachelor of Science in Animal Science/Range Option (1990)

Experience

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| 2007-current | Professor and Research Scientist, Department of Agriculture, Angelo State University, San Angelo, Texas |
| 2000-2007 | Associate Professor and Research Scientist, Department of Agriculture, Angelo State University, San Angelo, Texas |
| 1995-2000 | Assistant Professor and Research Scientist, Department of Agriculture, Angelo State University, San Angelo, Texas |
| 1992-1995 | Research Assistant, Department of Rangeland Resources, Utah State University, Logan, Utah |
| 1994-1995 | Rangeland Consultant, Navajo Sheep Project, Utah State University, Logan, Utah |
| 1990-1992 | Research Assistant and Technician, Department of Agriculture, Angelo State University, San Angelo, Texas |

Publications

- Armke, F.W. and C.B. Scott. 1999. Using Cattle to disperse seeds for winter forage plants. *Texas Journal of Agriculture and Natural Resources* 12:28-38.
- Bisson, M.G., C.B. Scott, C.A. Taylor, Jr., and R.A. Moen. 2001. Activated charcoal and experience affect intake of juniper by goats. *Journal of Range Management* 54:274-278.
- Branham, L.A., M.A. Carr, C.B. Scott, and T.R. Callaway. 2005. *E. coli* O157:H7 and *Salmonella spp.* in white-tailed deer and livestock. *Current Issues in Gastrointestinal Microbiology*. 6:25-29.
- Campbell, E.S., B.S. Engdahl, C.J. Lupton, C.B. Scott, C.A. Taylor, Jr., D.F. Waldron, J.W. Walker, and W.R. Whitworth. 2007. Chapter 65: The use of fecal NIRS to identify levels of consumption of the toxic shrub juniper in a selective breeding program with goats. *In: Panter, K.E., T.L. Wierenga, and J.A. Pfister. Poisonous Plants: Global Research and Solutions. CABI Publishing, Wallingford, Oxon, UK.*
- Coburn, C.A., B.J. May, D.R. Shelby, C.B. Scott, G.R. Engdahl. 1997. Effects of penned vs. pasture feeding techniques on cortisol levels in weaned Angus bulls *Texas Journal of Agriculture and Natural Resources* 10:93-100.
- Cook, R.W., C.B. Scott, and F.S. Hartmann. 2008. Short-term mesquite pod consumption by goats does not induce toxicity. *Rangeland Ecology and Management* 61:566-570.
- Deeds, B.E. II, C.B. Scott, and R. Brantley. 2010. Feeding shinoak to meat goats improves four-wing saltbush and total intake. *Texas Journal of Agriculture and Natural Resources* 23:1-11.
- Dietz, T.H., C.B. Scott, C.A. Taylor, Jr., C.J. Owens, E.S. Campbell and R. Brantley. 2010. Feeding Redberry Juniper (*Juniperus pinchottii*) at weaning increases juniper consumption by goats on Pasture. *Rangeland Ecology and Management* 63:366-372.
- Dunson, W.T, C.B. Scott, E.S. Campbell, C.A. Taylor, Jr., M.A. Carr, and T.R. Callaway. 2007. Chapter 64: Rumen function and the ability of goats to consume redberry juniper (*Juniperus pinchottii*). *In: Panter, K.E., T.L. Wierenga, and J.A. Pfister. Poisonous Plants: Global Research and Solutions. CABI Publishing, Wallingford, Oxon, UK.*
- 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 and Management* 58:324-328

- Frost, R.A., C.B. Scott, J.W. Walker, and F.S. Hartmann. 2003. Effects of origin, genetics, and experiences early in life on bitterweed consumption by sheep. *Applied Animal Behaviour Science* 84:251-264.
- George, C.H., C.B. Scott, T.R. Whitney, C.J. Owens, B.J. May, and R. Brantely. 2010. Supplements containing escape protein improve redberry juniper consumption by goats. *Rangeland Ecology and Management* 63:655-661.
- Howery, L.D., F.D. Provenza, R.E. Banner, and C.B. Scott. 1998. Social and environmental factors influence cattle distribution on rangelands. *Applied Animal Behaviour Science* 55:231-244.
- Howery, L.D., F.D. Provenza, R.E. Banner, and C.B. Scott. 1997. Differences in home range and habitat use among individuals in a cattle herd. *Applied Animal Behaviour Science* 49:305-320.
- Klein, D.R., T.R. Whitney, A.E. Lee, C.B. Scott, T.M. Craig, J.P. Muir. 2011. Effectiveness of using redberry juniper forage material to reduce *Haemonchus contortus* *in vitro* viability and increase ivermectin efficacy. *Veterinary Parasitology* (in press).
- Kneuper, C.L., C.B. Scott, and W.E. Pinchak. 2003. Consumption and dispersion of mesquite seeds by ruminants. *Journal of Range Management* 56:255-259.
- Knutson, H.J., M.A. Carr, L.A. Branham, C.B. Scott, and T.R. Callaway. 2006. Effects of activated charcoal on binding *E. coli* O157:H7 and *Salmonella typhimurium* in sheep. *Small Ruminant Research* 65:101-105.
- McEachern, J.K., T.R. Whitney, C.B. Scott, C.J. Lupton, and M.W. Salisbury. 2009. Substituting cottonseed meal with distiller's dried grains in lamb feedlot rations: growth performance, wool characteristics, and serum NEFA, urea N, and IGF-1 concentrations. *Sheep and Goat Research Journal* 24:32-40.
- McMillan, Z., C.B. Scott, C.A. Taylor, Jr., and J.E. Huston. 2002. Nutritional quality and intake of prickly pear by goats. *Journal Range Management* 55:139-143.
- Menchaca, M.W., C.B. Scott, K.W. Braden, C.J. Owens, and L.A. Branham. 2011. Research Note: Juniper consumption does not affect meat quality in Boer-cross goats. *Rangeland Ecology and Management* 64:669-673.
- Owens, C.J., C.B. Scott, C.A. Taylor, Jr., E.S. Campbell, and R. Brantley. 2010. Redberry juniper consumption does not adversely affect meat goat reproduction. *Texas Journal of Agriculture and Natural Resources* 23:71-82.
- Poage, G.W. III, C.B. Scott, M.G. Bisson, F.S. Hartmann. 2000. Activated charcoal reduces bitterweed (*Hymenoxys odorata*) toxicosis in sheep. *Journal Range*

Management 53:73-78.

- Provenza, F.D., C.B. Scott, T.S. Phy and J.J. Lynch. 1995. Preference of sheep for foods varying in flavors and nutrients. *Journal of Animal Science* 74:2355-2361.
- Provenza, F.D., J.J. Lynch, E.A. Burritt, and C.B. Scott. 1994. How goats learn to distinguish between novel foods that differ in postingestive consequences. *Journal Chemical Ecology* 20:609-624.
- Provenza, F.D., L. Ortega-Reyes, C.B. Scott, J.J. Lynch, and E.A. Burritt. 1994. Antiemetic drugs attenuate food aversions in sheep *Journal Animal Science* 72:1989-1994.
- Salisbury, M.W., D.F. Waldron, G.R. Engdahl, C.J. Lupton, and C.B. Scott 1999. Central test performance of Rambouillet rams as a predictor for growth and wool traits in feedlot and range environments. *Sheep and Goat Research Journal* 15:80-86.
- Salisbury, M.W., G.R. Engdahl, B.J. May, C.J. Lupton, and C.B. Scott. 1997. Effects of protein source on performance of Rambouillet rams. *Sheep and Goat Research Journal* 13:78-81.
- Scott, C.B., W.H. Schacht, and C.S. McCown. 1993. Response of herbaceous vegetation to short duration grazing in central west Texas. *Texas Journal of Agriculture and Natural Resources* 6:1-9.
- Scott, C.B., F.D. Provenza, and R.E. Banner. 1995. Dietary habits and social interactions affect choice of feeding location by sheep. *Applied Animal Behaviour Science* 45: 225-237.
- Scott, C.B., W.H. Schacht, C.S. McCown, and S. Hartmann. 1995. Observations of grass community dynamics in short duration grazing systems, West Texas. *Texas Journal of Agriculture and Natural Resources* 8: 1-12.
- Scott, C.B., R.E. Banner, and F.D. Provenza. 1996. Observations of sheep foraging in familiar and unfamiliar environments: familiarity with the environment influences diet selection. *Applied Animal Behaviour Science*. 49:165-171.
- Slater, S.C., D. Rollins, R.C. Dowler, and C.B. Scott. 2001. *Opuntia*: a “prickly paradigm” for quail management in west-central Texas. *Wildlife Society Bulletin* 29:713-719.
- Sluiter, R.S., B.J. May, M.W. Salisbury, C.B. Scott, and G.R. Engdahl, and B.F. Craddock. 2007. Feedlot performance and carcass traits of Texas Rambouillet feeder lambs implanted with growth implants. *Texas Journal of Agriculture and Natural Resources* 20:22-27.

Straka, E., C.B. Scott, C.A. Taylor, Jr., E. M. Bailey. 2004. Biological control of the toxic shrub juniper. pp. 436-442. *In*: Acamovic, T., C.S. Stewart, and T.W. Pennycott (eds.) *Poisonous Plants and Related Toxins*. CABI Publishing, London.

Walker, J.W., E.R. Kott, E.S. Campbell, S. Landau, C.J. Lupton, C.B. Scott, L. Surber, C.A. Taylor, Jr., and W.R. Whitworth. 2010. Ch. 5 Fecal NIRS for predicting botanical composition of herbivore diets. *In*: J. Walker and D. Tolleson (editors). *Shining Light on Manure Improves Livestock and Land Management*. Browning Printing, Inc., Jefferson City, MO. Pp 53-65

Whitney, T.R., A.E. Lee, D.R. Klein, C.B. Scott, T.M. Craig, J.P. Muir. 2010. A modified *in vitro* larvae migration inhibition assay using rumen fluid and anthelmintic material to evaluate *Haemonchus contortus* viability. *Veterinary Parasitology* 176:217-225.

Presentations

Anderson, J., C.B. Scott, C.J. Owens. 2010. Juniper consumption by three different breeds of sheep. Society for Range Management, Denver, Co.

Anderson, J., C.B. Scott, C.J. Owens. 2009. Juniper consumption by three different breeds of sheep. Texas Section of the Society for Range Management, Beaumont, TX.

Armke, F.W. and C.B. Scott 1997. Using cattle as dispersal agents of seeds for winter forage plants. Texas Section of the Society for Range Management Annual Meeting.

Armke, F.W. and C.B. Scott 1998. Using cattle as dispersal agents of seeds for winter forage plants. *Society for Range Management* 51:63.

Bawcom, D.W., B.J. May, D.R. Shelby, G.R. Engdahl and C.B. Scott. 1996. Effect of time of supplemental feeding on condition score and body weight of Angus and Beefmaster cows. *Journal of Animal Science* 74:243 (Suppl 1).

Bisson, M.G., G.W. Poage III, C.B. Scott, and S. Hartmann. 1997. Activated charcoal reduces bitterweed (*Hymenoxys odorata*) toxicosis in sheep. Texas Section of the Society for Range Management Annual Meeting.

Bisson, M.G., G.W. Poage III, and C.B. Scott 1998. Activated charcoal reduces bitterweed (*Hymenoxys odorata*) toxicosis in sheep. *Society for Range Management* 51:22.

Bisson, M.G. C.B. Scott, C.A. Taylor, Jr., and R.A. Moen. 1998. Can activated charcoal increase intake of redberry and ashe juniper? Texas Section of the Society for Range Management.

- Bisson, M.G. C.B. Scott, C.A. Taylor, Jr., and R.A. Moen. 1999. Can activated charcoal increase intake of redberry and ashe juniper? Society for Range Management 52:5.
- Bundick, C.J., C.B. Scott, C.J. Owens, E.S. Campbell, C.A. Taylor, Jr. and R. Brantley. 2008. Will Supplementation With Onions Reduce The Likelihood of Bitterweed Toxicity In Sheep? Texas Section Society for Range Management Annual Meeting, Nacogdoches, Texas.
- Bundick, C.J., C.B. Scott, C.J. Owens, E. S. Campbell, and R. Brantley. 2009. Will Supplementation With Onions Reduce The Likelihood of Bitterweed Toxicity In Sheep? Society for Range Management Annual Meeting, Albuquerque, New Mexico.
- Campbell, E., B. Taylor, C. Lupton, D. Waldron, J. Walker, C. Scott, and T. Dietz. 2005. Environment: maximizing your genetics. Sheep and Goat Field Day, San Angelo, Texas.
- Carter, P.S., D. Rollins, and C.B. Scott. 2002 Initial effects of prescribed burning on survival and nesting success of northern bobwhites in west-central Texas. Proceedings of the National Quail Symposium 5:129-134.
- Cave, K., C. Scott, and C. Owens. 2010. Preference and nutritional quality of different varieties of onions. Society for Range Management, Denver, Co.
- Cave, K., C. Scott, and C. Owens. 2009. Preference and nutritional quality of different varieties of onions. Texas Section of the Society for Range Management, Beaumont, TX.
- Coburn, C.A., B.J. May, D.R. Shelby, G.R. Engdahl and C.B. Scott. 1996. The effects of penned versus pasture feeding on cortisol levels in weaned Angus bulls Journal of Animal Science 74:127 (Suppl 1).
- Coffman, M., C. Scott, and C. Owens. 2010. The effects of protein supplementation on bitterweed toxicosis in sheep. Society for Range Management, Denver, Co.
- Coffman, M., C. Scott, and C. Owens. 2009. The effects of protein supplementation on bitterweed toxicosis in sheep. Texas Section of the Society for Range Management, Beaumont, TX.
- Cook, R.W. and C.B. Scott. 2004. Will consumption of mesquite pods induce toxciosis in Goats? Texas Section of the Society for Range Management Annual Meeting, Kerrville.

- Cook, R.W. and C.B. Scott. 2005. Will consumption of mesquite pods induce toxiciosis in goats? *Society Range Management*, Fort Worth, Texas. 58:64.
- Deeds, B.E. and C.B. Scott. 2005. Interaction of tannins and saponins in the ruminant diet. *Society Range Management*, Fort Worth, Texas. 58:77.
- Dietz, T.H., C.B. Scott, C.A. Taylor, Jr., and E.J. Campbell. 2006. Feeding redberry juniper (*Juniperus pinchottii*) at weaning increases juniper consumption on pasture. *Society for Range Management*, Fort Worth, Texas.
- Dunbar, N.A., B.J. May, M.W. Salisbury, C.B. Scott and M.T. Schafer. 2007. Effect of copper supplementation on artificial insemination conception rate of Angus cows and feedlot performance of Angus bulls. *Journal of Animal Science* 85:173, Supplement 2.
- Dunson, W.T., C.B. Scott, E.J. Campbell, C.A. Taylor, Jr., M.A. Carr, and T.R. Calloway. 2004. Is rumen function responsible for detoxifying terpenoids in redberry juniper? *Texas Section of the Society for Range Management Annual Meeting*, Kerrville.
- Dunson, W.T., C.B. Scott, E.J. Campbell, C.A. Taylor, Jr., M.A. Carr, and T.R. Calloway. 2005. Is rumen function responsible for detoxifying terpenoids in redberry juniper? *Society Range Management*, Fort Worth, Texas 58:97.
- Ellis, C.R., and C.B. Scott. 2001. Sustainable juniper control by goats in west central Texas. *Texas Section of the Society for Range Management Annual Meeting*.
- Ellis, C.R. and C. Scott. 2003. Hand-spray formulations for controlling mesquite. GLCI meeting, Nashville.
- Ellis, C.R., C.B. Scott, C.A. Taylor, Jr., and D.F. Waldron. 2003. Sustainable juniper control by goats in west central Texas. *Society for Range Management* #70.
- Frost, J.B., C.B. Scott, D. Rollins, and K.A. Cearley. 1998. Does strategic trapping improve nesting success of bobwhite quail? *Texas Section of the Society for Range Management Annual Meeting*.
- Frost, J.B., C.B. Scott, D. Rollins, and K.A. Cearley. 1999. Strategic mesomammal population control to increase bobwhite nesting success. *Texas Section of the Society for Range Management Annual Meeting*.
- Frost, J.B., C.B. Scott, D. Rollins, and K.A. Cearley. 2000. Strategic mesomammal population control to increase bobwhite nesting success. *Society for Range Management* 53:1.

- Frost, R.A., and C.B. Scott. 1999. The effect of genetic characteristics and experiences early in life on bitterweed consumption by sheep Texas Section of the Society for Range Management Annual Meeting.
- Frost, R.A., and C.B. Scott. 2000. The effect of genetic characteristics and experiences early in life on bitterweed consumption by sheep. *Abstr Society for Range Management* 53:49.
- Fuchs, D.K., C.B. Scott, M.W. Salisbury, and C.J. Owens. 2011. The Effects of Bitterweed Ingestion on Reproduction in Rambouillet Rams. Abstract #C-13. 64th Society for Range Management Annual Meeting, Billings, Montana.
- Fuchs, D.K., C.B. Scott, M.W. Salisbury, and C.J. Owens. 2010. The Effects of Bitterweed Ingestion on Reproduction in Rambouillet Rams. Texas Section of the Society for Range Management Annual Meeting.
- Garcia, R.A., C.B. Scott, and C.J. Owens. 2011. Will supplementation improve salt cedar intake by goats? Texas Section Society for Range Management Annual Meeting, San Angelo, Texas.
- George, C., C.B. Scott, C.A. Taylor, Jr., C.J. Owens, M.W. Salisbury, and B.J. May. 2008. Effects of protein supplementation on juniper consumption by goats *Society for Range Management* 61:1898.
- George, C., C.B. Scott, C.A. Taylor, Jr., C.J. Owens, M.W. Salisbury, and B.J. May. 2007. Effects of protein supplementation on juniper consumption by goats. Texas Section of the Society for Range Management Annual Meeting.
- Howery, L.D., F.D. Provenza, R.E. Banner, and C.B. Scott. 1995. The influence of mothers and peers in determining the location and habitat use patterns of individuals in a cattle herd. *Society for Range Management* 48:28.
- Jackson, J.R., C.B. Scott, and C.J. Owens. 2010. Control of prickly pear using three different herbicide mixtures. Texas Section of the Society for Range Management Annual Meeting, Odessa, Texas
- Jackson, J., D. Steele, C. Scott, and C. Owens. 2011. Does protein supplementation improve juniper consumption by cross-bred lambs? Texas Section Society for Range Management Annual Meeting, San Angelo, Texas.
- Klein, D.R., T.R. Whitney, C.B. Scott, and C.J. Owens. 2010. Evaluating the effects of juniper on internal parasite viability in goats. Society for Range Management, Denver, Co.
- Klein, D.R., T.R. Whitney, C.B. Scott, and C.J. Owens. 2009. Evaluating the effects of juniper on internal parasite viability in goats. Texas Section of the Society for

Range Management, Beaumont, TX.

- Kneuper, C.L. and C.B. Scott. 1998. Cattle consumption of mesquite (*Prosopis glandulosa*) fruit affects germination of mesquite seedlings. Texas Section of the Society for Range Management Annual Meeting.
- Kneuper, C.L., C. B. Scott, and W.E. Pinchak. 1999. Intake and survival rates of mesquite (*Prosopis glandulosa*) seeds by three species of livestock. Texas Section of the Society for Range Management Annual Meeting.
- Kneuper, C.L., C. B. Scott, and W.E. Pinchak. 2000. Intake and survival rates of mesquite (*Prosopis glandulosa*) seeds by three species of livestock. Society for Range Management 53:51.
- Knight, C.W., C.B. Scott, and C.J. Owens. 2011. Salt cedar consumption and performance by goats fed increasing amounts of salt cedar. Texas Section Society for Range Management Annual Meeting, San Angelo, Texas.
- Kuhlmann, K.K., D.R. Shelby, C.B. Scott, B.J. May, and G.R. Engdahl. 1998. The use of an electronic estrous detection system to monitor estrous behavior in Angus females of various ages. Journal of Animal Science (Suppl 1) 76:271.
- Laxson, J.D., W.H. Schacht, C.B. Scott, and B. Herrington. 1992. Control of honey mesquite with low-volume basal applications of triclopyr at four rates and three seasons. Texas Section of the Society for Range Management Annual Meeting.
- Lewis, S.J., B.J. May, G.R. Engdahl, D.F. Waldron, C.B. Scott and D.R. Shelby. 1997. Feedlot performance and carcass traits of Boer goat crosses and Spanish male kids. Journal of Animal Science (Suppl 1) 75:275.
- Lyons, E.K., J. Frost, D. Rollins, B. Taylor, C. Scott. 2006. An evaluation of short-term mesocarnivore control for increasing hatch rate in northern bobwhites (*Colinus virginianus*). Gamebird Proceedings.
- May, B.J., M.T. Schafer, D.R. Shelby, G.R. Engdahl, and C.B. Scott. 1998. Effect of poultry by-product meal on performance of weaned Angus bulls. Journal of Animal Science (Suppl 1) 76:253.
- McEachern, J.K., T.R. Whitney, C.B. Scott, and M.G. Williamson. 2010. Substituting distiller's dried grains for cottonseed meal in lamb finishing diets: carcass characteristics, meat fatty acid profiles, and sensory panel traits. Western Section Meeting, American Society of Animal Science.
- McMillan, Z., C.A. Taylor, Jr., and C.B. Scott. 1999. Using goats as a biological control of prickly pear. Texas Section of the Society for Range Management Annual Meeting.

- McMillan, Z., C.A. Taylor, Jr., and C.B. Scott. 2000. Using goats as a biological control of prickly pear. *Society for Range Management* 53:52.
- Menchaca, M., C.B. Scott, K. Braden, L. Branham, and C.J. Owens. 2008. Effect of Juniper Consumption on Meat Quality in Meat Goats. Texas Section Society for Range Management Annual Meeting, Nacogdoches, Texas.
- Menchaca, M., C.B. Scott, K. Braden, L. Branham, and C.J. Owens. 2009. Effect of Juniper Consumption on Meat Quality in Meat Goats. Society for Range Management Annual Meeting, Albuquerque, New Mexico.
- Munoz, A., C.B. Scott, C.J. Owens, and C.H. George. 2008. Consumption of Salt Cedar and Willow Baccharis by Boer-cross Goats. Texas Section Society for Range Management Annual Meeting, Nacogdoches, Texas.
- Munoz, A., C.B. Scott, C.J. Owens, and C.H. George. 2009. Consumption of Salt Cedar and Willow Baccharis by Boer-cross Goats. Society for Range Management Annual Meeting, Albuquerque, NM.
- Nevins, J.W., D.A. Steele, L.A. Branham, C.B. Scott, and C.J. Owens. 2011. Prevalence of antibiotic resistant pathogens in feral hogs of Texas. Texas Section Society for Range Management Annual Meeting, San Angelo, Texas.
- Owens, C.J., C.B. Scott, M.W. Salisbury, and C.A. Taylor, Jr. 2007. Does juniper consumption by pregnant goats cause reproductive failure and/or reduction in neonatal viability. WERA 039. Corvallis, Oregon.
- Owens, C.J., C.B. Scott, M.W. Salisbury, and C.A. Taylor, Jr. 2008. Juniper consumption does not cause abortions or reduce neonatal viability in Boer-cross goats. *Society for Range Management* 61:1273.
- Owens, C.J., C.B. Scott, M.W. Salisbury, and C.A. Taylor, Jr. 2007. Juniper consumption does not cause abortions or reduce neonatal viability in Boer-cross goats. Texas Section of the Society for Range Management Annual Meeting.
- Pentecost, R.A. and C.B. Scott. 1998. Effects of dosing with different types of activated charcoal on prevention of bitterweed toxicosis and consumption of two nontoxic foods. Abstr. Texas Section of the Society for Range Management Annual Meeting.
- Pentecost, R.A., C.B. Scott, C.L. Kneuper, and J.B. Frost. 1999. Effects of dosing with different types of activated charcoal on prevention of bitterweed toxicosis and consumption of two nontoxic foods. *Society for Range Management* 52:62.

- Pinchak, W.E., S.E. Showers, R.J. Ansley, M.K. Owens, J.E. Slosser, C.B. Scott, and W.R. Teague. 2002. Mesquite seed excretion patterns by cattle under rotational and continuous grazing and fire. Society for Range Management Annual Meeting.
- Poage, G.W. and C.B. Scott. 1996. Can activated charcoal bind the toxins in bitterweed? Texas Section of the Society for Range Management Annual Meeting.
- Pyle, L.W., C.B. Scott, and C.J. Owens. 2011. Mesquite Seedling Disappearance Under Goat Browsing. Abstract #A-14. 64th Society for Range Management Annual Meeting, Billings, Montana.
- Pyle, L.W., C.B. Scott, and C.J. Owens. 2010. Mesquite Seedling Disappearance Under Goat Browsing. Texas Section of the Society for Range Management Annual Meeting.
- Rea, R.E., B.J. May, G.R. Engdahl, D.R. Shelby, and C.B. Scott. 1998. Effect of varying protein sources on performance of weaned bulls. Journal of Animal Science (Suppl 1) 76:253.
- Reyna, F., C.B. Scott, and F.S. Hartmann. 2001. Physiological mechanisms to avoid bitterweed toxicity by sheep. Texas Section of the Society for Range Management Annual Meeting.
- Reyna, F. C. Scott, and C. Ellis. 2003. Efficacy and cost of the stem and leaf spray techniques on the Angelo State University Ranch. GLCI meeting, Nashville.
- Rollins, D., B.D. Taylor, T.D. Sparkes, R.J. Buntyn, S.E. Lerich, L.A. Harveson, C.B. Scott, and T.E. Waddell. 2008. Survival of scaled quail during the breeding season at 3 sites in the Chihuahuan desert. Proceedings of the National Quail Symposium 6.
- Salisbury, M.W., G.R. Engdahl, B.J. May, C.L. Lupton, C.B. Scott and D.R. Shelby. 1996. Effects of protein source on performance of Rambouillet rams. Journal of Animal Science (Suppl. 1).
- Salisbury, M. W., G. R. Engdahl, C. J. Lupton, D. R. Waldron, C. B. Scott, and B. J. May. 1997. Central test performance of Rambouillet rams as a predictor of progeny performance for growth and wool traits in feedlot and range environments. Journal of Animal Science 75:283 (Suppl. 1).
- Sato, N.E.A., M.W. Salisbury, C.B. Scott, and G.R. Engdahl. 2006. Effect of *Solanum dimidiatum* on embryonic loss and neonatal lamb survival in Rambouillet sheep. Western Extension, Research, and Academic Coordinating Committee 039, San Angelo, Texas.

- Sato, N.E.A., M.W. Salisbury, C.B. Scott, C.J. Owens, and G.R. Engdahl. 2007. Potato weed (*Solanum dimidiatum*) ingestion does not cause embryonic loss or affect neonatal lamb survival. Society for Range Management #381, Reno, NV.
- Scott, C.B., W.H. Schacht, C.S. McCown, and S. Hartmann. 1991. Vegetation response to short duration grazing in a semidesert region. Texas Section of the Society for Range Management Annual Meeting.
- Scott, C.B., W.H. Schacht, C.S. McCown, and S. Hartmann. 1992. Vegetation response to short duration grazing in a semidesert region. Society for Range Management 45:15.
- Scott, C.B., F.D. Provenza, and R.E. Banner. 1994. Sheep with different dietary habits forage in separate locations. Society for Range Management 47:44-45.
- Scott, C.B., F.D. Provenza, and R.E. Banner. 1995. Does familiarity with the environment influence choice of foraging locations by sheep? Society for Range Management 48:56-57.
- Scott, C.B., R.E. Banner, and F.D. Provenza. 1996. Observations of cattle grazing behavior in the Sawtooth National Forest: Implications for management. Society for Range Management 49:68-69.
- Scott, C.B., T.H. Dietz, and C. Taylor. 2006. Increasing consumption of juniper by goats through exposure at weaning. Invited Presentation, Western Extension, Research, and Academic Coordinating Committee 039, San Angelo, Texas.
- Self, J.M., M.W. Salisbury, B.J. May, G.R. Engdahl, C.B. Scott, R. Horst. 2005. Vitamin D supplementation in fall born Rambouillet lambs raised on small grain pastures. Western Section Meeting, American Society of Animal Science.
- Stultz, J.R., B.J. May, G.R. Engdahl, M.A. Carr, C.B. Scott, R.L. Reed. 2001. Feedlot performance and carcass characteristics of Texas Rambouillet feeder lambs implanted with Zeranol implants. Western Section Meeting, American Society of Animal Science.52:223-227.
- Taylor, B.D., J.E. Huston, D. Rollins, C.A. Taylor, Jr., and C.B. Scott. 2001. Easi-flow cottonseed intake by deer and non-target species in west Texas. Texas Section of the Society for Range Management Annual Meeting.
- Tidwell, K., C.B. Scott, C.A. Taylor, J. Walker, D. Waldron, C.J. Owens, and M.W. Salisbury. 2011. Will Super Juniper-Eating Sires Produce Super Juniper-Eating Offspring? Abstract #A-13. 64th Society for Range Management Annual Meeting, Billings, Montana.

Tidwell, K., C. Scott, C. Taylor, Jr., J. Walker, and C. Owens. 2011. Will super juniper-eating sires produce super juniper-eating offspring? Texas Section Society for Range Management Annual Meeting, San Angelo, Texas.

Whitney, T.R., D.R. Klein, A.E. Lee, C.B. Scott, and T.M. Craig. 2010. A modified *in vitro* larvae migration inhibition assay using rumen fluid to evaluate *H. contortus* viability. Western Section Meeting, American Society of Animal Science.

Whitworth, W.R.; C.B. Scott, J.W. Walker, C.A. Taylor, Jr., B.S. Engdahl, C.J. Lupton. 2003. Sources of variation for fecal nirs equations for predicting percent juniper in goat diets. Society for Range Management. #317.

Popular Articles and Progress Reports

- Scott, C.B., W.H. Schacht, C.S. McCown, and S. Hartmann. 1996. Vegetation dynamics in short duration grazing systems, west Texas. Progress Report R-6, Department of Agriculture, Angelo State University, San Angelo, Texas.
- Scott, C.B., W.H. Schacht, C.S. McCown, and S. Hartmann. 1992. Vegetation response to short duration grazing in west and west central Texas. Ranch Magazine. November:14-17.
- Scott, C., C. Ellis, and W. Whitworth. 2002. Efficacy and cost of the stem and leaf spray techniques on the ASU Ranch. Progress Report R-9, Department of Agriculture, Angelo State University, San Angelo, Texas.
- Armke, F.W. and C.B. Scott 1998. Using cattle as dispersal agents of seeds for winter forage plants. Progress Report R-7, Department of Agriculture, Angelo State University, San Angelo, Texas.
- Anderson, J.R., C.B. Scott, C.A. Taylor, C.J. Owens, and R. Brantley. 2012. Juniper consumption by three different breeds of goats. Progress Report R-13, Department of Agriculture, Angelo State University, San Angelo, Texas.
- Ball, K.A. C.B. Scott, and G.R. Engdahl. 1998. Feedlot performance of weaned Rambouillet ewes on rations with varying foods and flavors. Progress Report R-7, Department of Agriculture, Angelo State University, San Angelo, Texas.
- Bawcom, D.W., B.J. May, D.R. Shelby, C.B. Scott, and G.R. Engdahl. 1998. The effects of time of supplementation on body condition and weight of beef cows. Progress Report R-7, Department of Agriculture, Angelo State University, San Angelo, Texas.
- Bisson, M.G., C.B. Scott, and C.A. Taylor, Jr. 2000. Activated charcoal and experience affect intake of juniper by goats. Progress Report R-8, Department of Agriculture, Angelo State University, San Angelo, Texas.
- Bisson, M.G., C.B. Scott, R. Dusek, and F.S. Hartmann. 2000. Supplementation with activated charcoal and Santoquin to prevent bitterweed toxicosis. Progress Report R-8, Department of Agriculture, Angelo State University, San Angelo, Texas.
- Branham, L.A., M.A. Carr, T.R. Callaway, and C.B. Scott. 2004. *Escherichia coli* O157:H7 and *Salmonella* in white-tailed deer and livestock. Progress Report R-10, Department of Agriculture, Angelo State University, San Angelo, Texas.

- Bundick, C.J., C.B. Scott, and C.J. Owens. 2012. Supplementation with onions to increase bitterweed intake by sheep. Progress Report R-13, Department of Agriculture, Angelo State University, San Angelo, Texas.
- Carr, M., H. Knutson, and C. Scott. 2002. Assessment of microbial contamination on deer carcasses. Progress Report R-9, Department of Agriculture, Angelo State University, San Angelo, Texas.
- Carter, P.S., D. Rollins, and C.B. Scott. 1998. Effect of prescribed burning on survival and nesting success of northern bobwhite quail in west-central Texas. Progress Report R-7, Department of Agriculture, Angelo State University, San Angelo, Texas.
- Cave, K.A., C.B. Scott, and C.J. Owens. 2012. Preference and nutritional quality of different varieties of onions by sheep. Progress Report R-13, Department of Agriculture, Angelo State University, San Angelo, Texas.
- Coffman, M.C., C.B. Scott, and C.J. Owens. 2012. The effects of protein supplementation on bitterweed toxicosis in sheep. Progress Report R-13, Department of Agriculture, Angelo State University, San Angelo, Texas.
- Cook, R.W., C.B. Scott, and F.S. Hartmann. 2004. Will consumption of mesquite pods induce toxicosis in goats? Progress Report R-10, Department of Agriculture, Angelo State University, San Angelo, Texas.
- Deeds, B.E., C.B. Scott, and F.S. Hartmann. 2004. Interaction of tannins and saponins in the ruminant diet. Progress Report R-10, Department of Agriculture, Angelo State University, San Angelo, Texas.
- Dunson, W.T., C.B. Scott, E.J. Campbell, C.A. Taylor, Jr., M.A. Carr, and T.R. Callaway. 2004. Physiological processes to detoxify redberry juniper by goats. Progress Report R-10, Department of Agriculture, Angelo State University, San Angelo, Texas.
- Dusek, D.C., M.W. Salisbury, C.B. Scott, and F.S. Hartmann. 2004. Effects of bitterweed ingestion on fetal development and reproductive ability in sheep. Progress Report R-10, Department of Agriculture, Angelo State University, San Angelo, Texas.
- Ellis, C. R. Jones, C. Scott, and C. Taylor. 2002. Persistence and heritability of juniper consumption by goats. Progress Report R-9, Department of Agriculture, Angelo State University, San Angelo, Texas.
- Fontenot, N.J., C.B. Scott, and W.H. Schacht. 1991. White-tailed deer diets on mesquite-dominated rangeland. Ranch Magazine, October:36-41.

- Frost, J.B., C.B. Scott, and D. Rollins. 2000. Short-term mesomammal control to improve nesting success and survival of northern bobwhites. Progress Report R-8, Department of Agriculture, Angelo State University, San Angelo, Texas.
- Frost, J., C. Scott, D. Rollins, and K.A. Cearly. 1999. Strategic mesomammal population control to increase Bobwhite quail nest survival. Proceedings: Preserving Texas' Quail Heritage into the 21st Century. Texas A&M University, Abilene.
- Frost, R.A., C.B. Scott, J.W. Walker. 2000. Effects of origin, genetics, and experience on bitterweed consumption by sheep. Progress Report R-8, Department of Agriculture, Angelo State University, San Angelo, Texas.
- Fuchs, D.K., C.B. Scott, M.W. Salisbury, and C.J. Owens. 2012. The effects of bitterweed ingestion on reproduction in Rambouillet rams. Progress Report R-13, Department of Agriculture, Angelo State University, San Angelo, Texas.
- George, C.H., C.B. Scott, T.R. Whitney, C.J. Owens, B.J. May, and R. Brantely. 2009. Supplements containing escape protein improve redberry juniper consumption by goats. Progress Report R-12, Department of Agriculture, Angelo State University, San Angelo, Texas.
- Gunter, S.M., M.W. Salisbury, B.J. May, M.T. Schafer, and C.B. Scott 2009. Estrus synchronization with adjusted time artificial insemination in cows and heifers. Progress Report R-12, Department of Agriculture, Angelo State University, San Angelo, Texas.
- Hall, M.E., B.J. May, G.R. Engdahl, D.R. Shelby, and C.B. Scott. 2000. The effect of poultry by-product meal on performance of growing Angus bulls. Progress Report R-8, Department of Agriculture, Angelo State University, San Angelo, Texas.
- Heiser, B.H., B.J. May, G.R. Engdahl, D.R. Shelby, and C.B. Scott. 2000. Performance and carcass characteristics of feedlot heifers fed poultry blood meal. Progress Report R-8, Department of Agriculture, Angelo State University, San Angelo, Texas.
- Horton, G.A., C.B. Scott, B.J. May, and L.C. Skow. 1998. Population dynamics of a white-tailed deer (*Odocoileus virginianus*) herd after 43 years of limited migration. Progress Report R-7, Department of Agriculture, Angelo State University, San Angelo, Texas.
- Ingram, T., G. Horton, and C. Scott. 2002. Genetic characteristics of a white-tailed deer herd on a 2,430-ha ranch in west central Texas. Progress Report R-9, Department of Agriculture, Angelo State University, San Angelo, Texas.

- Jonas, J.J., B.J. May, F. Craddock, G.R. Engdahl, and C.B. Scott. 2000. The effect of breed and frame size on performance and carcass traits of feedlot lambs. Progress Report R-8, Department of Agriculture, Angelo State University, San Angelo, Texas.
- Klein, D.R., T.R. Whitney, A.E. Lee, C.B. Scott, T.M. Craig, and J.P. Muir. 2012. Using redberry juniper forage material to reduce *Haemonchus contortus in vitro* viability and increase ivermectin efficacy. Progress Report R-13, Department of Agriculture, Angelo State University, San Angelo, Texas.
- Kneuper, C.L., C.B. Scott, and W.E. Pinchak. 2000. Survival of mesquite seeds after consumption by three species of livestock. Progress Report R-8, Department of Agriculture, Angelo State University, San Angelo, Texas.
- Kneuper, C.L. and C.B. Scott. 1998. Cattle consumption of mesquite (*Prosopis glandulosa*) fruit affects germination of mesquite seedlings. Progress Report R-7, Department of Agriculture, Angelo State University, San Angelo, Texas.
- Knutson, H.J., M.A. Carr, L.A. Branham, C.B. Scott, and T.R. Callaway. 2004. Effects of activated charcoal on binding of *E. coli* O157:H7 and *Salmonella typhimurium* in sheep. Progress Report R-10, Department of Agriculture, Angelo State University, San Angelo, Texas.
- Kuhlmann, K.K., D.R. Shelby, C.B. Scott, B.J. May, and G.R. Engdahl. 1998. The use of an electronic estrous detection system to monitor estrous behavior in Angus females of various ages. Progress Report R-7, Department of Agriculture, Angelo State University, San Angelo, Texas.
- Lewis, S.J., B.J. May, G.R. Engdahl, B.F. Craddock, C.B. Scott, and D.R. Shelby. 1998. Feedlot performance and carcass traits of Boer goat crosses and Spanish male kids. Progress Report R-7, Department of Agriculture, Angelo State University, San Angelo, Texas.
- May, B.J., M.T. Schafer, D.R. Shelby, G.R. Engdahl, and C.B. Scott. 1998. Effect of varying protein sources on performance of weaned bulls and in-situ solubility. Progress Report R-7, Department of Agriculture, Angelo State University, San Angelo, Texas.
- McCown, C.S., K.R. Shaffer, W.H. Schacht, C.B. Scott. 1998. Herbicide treatment of mesquite- (*Prosopis glandulosa*) stumps to control resprouting. Progress Report R-7, Department of Agriculture, Angelo State University, San Angelo, Texas.
- McMillan, Z., C.A. Taylor, Jr., C.B. Scott, J.E. Huston. 2000. Nutritional quality and intake of prickly pear by goats. *In: Research Reports: Sheep and Goats, Wool and Mohair*, 2000. Pp 65-73. Tex. Agri. Exp. Stat. College Station, Texas.

- McMillan, Z., C.B. Scott, C.A. Taylor, Jr., and J.E. Huston. 2000. Nutritional quality and intake of prickly pear by goats. Progress Report R-8, Department of Agriculture, Angelo State University, San Angelo, Texas.
- Menchaca, M.W., C.B. Scott, K.W. Braden, C.J. Owens, and L.A. Branham. 2012. Juniper consumption does not adversely affect meat quality in Boer-cross goats. Progress Report R-13, Department of Agriculture, Angelo State University, San Angelo, Texas.
- Munoz, A., C. Scott, C. Owens, and C. George. 2009. Consumption of salt cedar and willow baccharis by Boer-cross goats. Progress Report R-12, Department of Agriculture, Angelo State University, San Angelo, Texas.
- Phillips, R.A., D.N. Ueckert, and C.B. Scott. 2000. Long-term changes in redberry juniper canopy cover in western Texas. Progress Report R-8, Department of Agriculture, Angelo State University, San Angelo, Texas.
- Poage, G.W., III, C.B. Scott, M.G. Bisson, S. Hartmann. 1998. Activated charcoal increases intake of bitterweed (*Hymenoxys odorata*) and may reduce bitterweed toxicosis. Progress Report R-7, Department of Agriculture, Angelo State University, San Angelo, Texas.
- Pyle, L.W.T., C.B. Scott, and C.J. Owens. 2012. Mesquite seedling disappearance under goat browsing. Progress Report R-13, Department of Agriculture, Angelo State University, San Angelo, Texas.
- Owens, C.J., C.B. Scott, C.A. Taylor, Jr. E.S. Campbell, and R. Brantely. 2009. Redberry juniper consumption does not Adversely affect meat goat reproduction. Progress Report R-12, Department of Agriculture, Angelo State University, San Angelo, Texas.
- Owens, D., L. Branham, and C. Scott. 2012. Antibiotic resistance in whitetailed deer and range cattle sharing the same rangeland. Progress Report R-13, Department of Agriculture, Angelo State University, San Angelo, Texas.
- Rea, R.E., B.J. May, D. R. Shelby, G.R. Engdahl, and C.B. Scott. 1998. Effect of varying protein sources on performance of weaned bulls and in-situ solubility. Progress Report R-7, Department of Agriculture, Angelo State University, San Angelo, Texas.
- Reyna, F., C. Scott, S. Hartmann. 2002. Physiological mechanisms to avoid bitterweed toxicity by sheep. Progress Report R-9, Department of Agriculture, Angelo State University, San Angelo, Texas.

- Salisbury, M.W., D.F. Waldron, G.R. Engdahl, C.J. Lupton, and C.B. Scott. 1998. Central test performance of Rambouillet rams as a predictor for growth and wool traits in feedlot and range environments. Progress Report R-7, Department of Agriculture, Angelo State University, San Angelo, Texas.
- Schacht, W.H., N.J. Fontenot, and C.B. Scott. 1991. Interpreting deer harvest records, Progress Report R-5, Department of Agriculture, Angelo State University, San Angelo, Texas.
- Schacht, W.H., C.S. McCown, C.B. Scott, and N.J. Fontenot. 1991. Response of herbaceous vegetation to cell grazing. Progress Report R-5, Department of Agriculture, Angelo State University, San Angelo, Texas.
- Schacht, W.H., C.S. McCown, and C.B. Scott. 1991. Response of arid rangeland to the Savory grazing method. Progress Report R-5, Department of Agriculture, Angelo State University, San Angelo, Texas.
- Shaffer, K.R., D.N. Ueckert, J.L. Petersen, W.H. Schacht, C.B. Scott, and C.S. McCown. 1998. Low-volume basal application of Triclopyr and diesel for honey mesquite (*Prosopis glandulosa*) control. Progress Report R-7, Department of Agriculture, Angelo State University, San Angelo, Texas.
- Sluiter, B.S., B.J. May, G.R. Engdahl, and C.B. Scott. 2000. Feedlot performance and carcass traits of feeder lambs implanted with growth implants. Progress Report R-8, Department of Agriculture, Angelo State University, San Angelo, Texas.
- Smithwick, W.K., B.J. May, G.R. Engdahl, and C.B. Scott. 2000. Effect of growth implants on feedlot performance of intact and castrated weaned kid goats. Progress Report R-8, Department of Agriculture, Angelo State University, San Angelo, Texas.
- Straka, E., C. Scott, C. Taylor, and M. Bailey. 2002. Biological control of the toxic shrub juniper. Progress Report R-9, Department of Agriculture, Angelo State University, San Angelo, Texas.
- Stultz, J.R., B.J. May, G.R. Engdahl, M.C. Carr, and C.B. Scott. 2000. Feedlot performance and carcass characteristics of feeder lambs implanted with Zeranol implants. Progress Report R-8, Department of Agriculture, Angelo State University, San Angelo, Texas.
- Tidwell, K.W., C.B. Scott, J.W. Walker, C.A. Taylor, Jr., and C.J. Owens. 2012. Will super juniper-eating sires produce super juniper-eating offspring? Progress Report R-13, Department of Agriculture, Angelo State University, San Angelo, Texas.

Whitney, T.R., A.E. Lee, D.R. Klein, C.B. Scott, T.M. Craig, and J.P. Muir. 2012. A modified *in vitro* larve migration inhibition assay using rumen fluid to evaluate *Haemonchus contortus* viability. Progress Report R-13, Department of Agriculture, Angelo State University, San Angelo, Texas.

Whitworth, W.R., J.W. Walker, C.A. Taylor, Jr., and C.B. Scott. 2004. Estimating redberry and ashe juniper intake using fecal NIRS. Progress Report R-10, Department of Agriculture, Angelo State University, San Angelo, Texas.

Whitworth, W.A., D.R. Shelby, C.B. Scott, B.J. May, and G.R. Engdahl. 2000. Duration and synchrony of estrus in Angus and Beefmaster cattle given an intravaginal progesterone releasing insert plus estradiol benzoate or GnRh plus pg. Progress Report R-8, Department of Agriculture, Angelo State University, San Angelo, Texas.

Wilber, S., B.J. May, M.W. Salisbury, C.B. Scott, and K.W. Braden. 2009. The effect of zinc supplementation on growing and finishing lambs. Progress Report R-12, Department of Agriculture, Angelo State University, San Angelo, Texas.

Grant Proposals

- I. Source: Houston Livestock Show and Rodeo
Title: Various Animal Science Research Projects
P.I.(s): Brian May, Gil Engdahl, Mike Salisbury, and Cody Scott
Amount: \$12,500 per year
Submitted: 1995 through 2009
Outcome: **Funded each year**

- II. Source: University of Texas Lands-Surface Interests
Title: Preventing bitterweed toxicosis in sheep
P.I.(s): Cody Scott
Amount: \$25,000 per year
Submitted: 1996- 2011
Outcome: **Funded each year**

- III. Source: USDA- NRI
Title: Seed management strategies to limit mesquite encroachment into grasslands
P.I.(s): Bill Pinchak, Cody Scott, Keith Owens, and Jim Ansley
Amount: \$26,378
Submitted: 1998
Outcome: **Funded**

- IV. Source: Grazing Lands Conservation Initiative
Title: The effect of prescribed burning on mesquite seed and seedling viability
P.I.'s: Corey Owens and Cody Scott
Amount: \$10,000
Submitted: August , 2008
Outcome: **Funded**
- V. Source: National Science Foundation
Title: Understanding the impacts of feral pigs on rangeland ecosystems: a landscape approach to managing an invasive species
P.I.'s: Bill Pinchak, Dean Ransom, Jason Osterstock, Jim Ansley, and Cody Scott
Amount: \$34,000
Submitted: January 2009
Outcome: Rejected

Awards

- Future Farmers of America Degree of American Farmer. 1998.
- Teaching Assistant of the Year. 1995. Utah State University College of Natural Resources.
- Outstanding Leadership in the field of Agricultural Education. 2007. Tom Green Soil & Water Conservation Service.
- Friend of Conservation. 2007 Region II Soil and Water Conservation Service.
- Outstanding Young Range Professional. 2007. Texas Section of Society for Range Management.
- Outstanding Young Range Professional. 2008. Society for Range Management.
- Professor of the Year, College of Sciences, 2009 Rammy Award.
- Wall of Honor, Colorado High School, 2009, Colorado ISD

Committee Service, Angelo State University

- Selection Committee for Agricultural Specialist, 2001
- Selection Committee for Assistant Professor of Animal Science, 2002
- Selection Committee for Assistant Professor of Animal Science, 2006
- Selection Committee for Med-Surg Faculty Search, Nursing, 2003
- Selection Committee for Agricultural Education , 2010
- Graduate Council, **1996-present**

- Committee on Committees, **2008-2009**
- Academic Master Plan Committee, **2009**
- Ad hoc committee to identify Goals for General Education, **2008**
- Animal Care and Use Committee, Chair, **2009-present**
- Institutional Effectiveness, 1996-2003
- Self-Study of Institutional Effectiveness, Chair, 1999-2001
- Self-Study Steering Committee, 1999-2001
- Self-Study of Graduate Program 2011-present
- Student Concerns Committee, 1999-2005
- Faculty Development and Enrichment, Chair, 2004-2005
- Research and Enhancement Committee 2010-present
- Tenure and Promotion Committee, 2005-2006
- Tenure and Promotion Committee, College of Arts and Sciences, 2011-present

Committee Service, Scientific Associations

- College Activities Committee, Texas Section of the Society for Range Management (TSSRM), 1996-present; Chair, 2001
- Scientific Publication Committee, (TSSRM), 1998-2000, 2004, 2008, 2010 Chair
- Young Professionals Program, Chair 2001 TSSRM Annual Meeting.
- College Activities Committee, 1999-present.
- Outstanding Contributions to Range Management, 2001
- Awards Committee, TSSRM, 2003
- Director, Texas Section of the Society For Range Management 2005-2007
- Selection Committee, Assistant Professor of Ruminant Nutrition, Texas Agricultural Experiment Station, San Angelo, Texas, 2004
- GLCI Technical Committee (Grant Review), **Chair 2005-present**
- Reviewer, Journal of Rangeland Ecology and Management, **1995-present**
- Reviewer, USDA-ARS Poisonous Plant Research, **1995-2009**
- Reviewer, Journal of Arid Environments, 2004

Community Service

- Range and Pasture Plant Judging Contest Committee, San Angelo Stock Show Association, 1997-present. Chair 1998-2001.
- CDE Region II Wildlife Contest, **2001-present.**
- CDE State Wildlife Contest, Chair, **2008**
- CDE Wildlife Habitat Contest, San Angelo Stock Show, Chair, **2001 to present**
- Livestock Judging Contest, San Angelo Stock Show, Committee member, 2000-present
- Meat Judging Contest, San Angelo Stock Show, Committee member, 2006
- District Meat Judging Contest, Member, **2006-present**
- HEB Calf Scramble, San Angelo Stock Show, Committee member, **2009-present (Co-chair)**
- District 4-H Livestock Judging Contest, **2006-present**
- Program Chair, 2010 TSSRM meeting in Odessa, Texas

- Planning Meeting Chair, 2011 TSSRM meeting in San Angelo, Texas
- Coleman Co. Horse Judging Contest, 2010
- Wildlife Contest, Abilene, Texas 2009-2010
- Consumer Decision Making Contest, SASSR 2010
- Veribest Athletic Booster Club Member, 2005-2008
- Veribest Agriculture Booster Club Member, 2005-2008
- Veribest Independent School Board, Secretary 1999-2000, Vice-President, 2000-2001.

Other Departmental/University Responsibilities

- Editor (1996, 1998, 2000, 2002, 2004, 2006, **2009, 2011**) Progress Report for MIR Center
- Departmental Coordinator for Institutional Effectiveness, **1997-present**
- Graduate Advisor, Department of Agriculture, **1996-present**
- Co-author with Mandy Carr, Program Review Document 2006