SHORT CURRICULUM VITA
Sam P. Jackson, Ph.D.

ACADEMIC BACKGROUND:
Ph.D., Animal Science, 1993. Texas Tech University
M.S., Physiology of Reproduction, 1988. Texas A&M University
B.S., Animal Production, 1986. Texas Tech University

PROFESSIONAL EXPERIENCE:
Associate Professor, Texas Tech University, (present)
Assistant Professor, Texas Tech University, (1994 - 2000)
Lecturer, Texas Tech University, (1988 - 1993)
Lecturer, Texas A&M University, (1987 – 1988

HONORS AND AWARDS:
ASAS Outstanding Young Animal Scientist Award - Education, 2003
NACTA Teaching Fellow, 2000
Teacher of the Semester, Texas Tech College of Agricultural Sciences and Natural Resources, Spring 1999.
Teacher of the semester, Texas Tech Block and Bridle Club, 1991.
Outstanding Professor Award, Texas Tech Collegiate FFA, 1988.

CURRENT RESPONSIBILITIES:
Dr. Jackson has a research and teaching appointment in the Animal Science Department at Texas Tech University. Dr. Jackson is responsible for the Texas Tech teaching and research sheep flock and is involved in research concerning nutritional, environmental, genetic and physiological aspects of animal growth and body composition. He has concentrated his efforts on the *callipyge* gene in sheep and is considered a leader in research concerning this unique gene. Dr. Jackson is also involved with undergraduate teaching and serves as the Animal Science Department undergraduate coordinator and is an advisor for the Block and Bridle Club. Dr. Jackson is also the faculty advisor for the Livestock, Horse and Wool judging teams.

RESEARCH PUBLICATIONS:
Refereed Journals: (15)
Books or book chapters: (3)
Abstracts: (38)
Technical Articles: (20)
Invited Papers: (3)

REFEREED JOURNALS:
Kerth, C.R., **S.P. Jackson**, C.B. Ramsey, and M.F. Miller. 2003. Characterization and consumer acceptance of three muscles from Hampshire X Rambouillet cross sheep expressing the callipyge phenotype. J. Anim. Sci. 81: 2213 - 2218.

Pollard, G.V., J.L. Montgomery, T.C. Bramble, K.J. Morrow, C.R. Richardson, **S.P. Jackson**, and J.R. Blanton Jr. 2001. Effects of organic chromium on protein synthesis and glucose uptake in ruminants. The Professional Animal Scientist. 17:261 - 266.

Jackson, S.P. and J.R. Blanton Jr. 2001. Review: The callipyge gene in sheep. The professional Animal Scientist 17:68-74.

Kerth, C.R., T.L. Cain, **S.P. Jackson,** C.B. Ramsey, and M. F. Miller. 1999. Electrical stimulation effects on tenderness of five muscles from Hampshire x Rambouillet crossbred lambs with the callipyge phenotype. J. Anim. Sci. 77: 2951 – 2955.

Cockett, N.E., **S.P. Jackson**, G.D. Snowder, T.L. Shay, J.E. Beever and M. Georges. 1999. The callipyge phenomenon: Evidence for unusual genetic inheritance. J. Anim. Sci. 77:221 - 227.

Whisnant, C.S., R.S. Kline, J.C. Branum, G.M. Zaunbrecher, M.Z. Khan, and **S.P. Jackson**. 1998. Hormonal profiles of callipyge and normal sheep. J. Anim. Sci. 76: 1443 - 1447.

Clare, T.L., **S.P. Jackson,** M.F. Miller, C.T. Elliott, and C.B. Ramsey. 1997. Improving tenderness of normal and callipyge lambs with calcium chloride. J. Anim. Sci. 75: 377.

Cockett, N.E., S. Berghams, M.C. Beckers, T.L. Shay, **S.P. Jackson**, G.D. Snowder, and M. Georges. 1997. The callipyge gene of sheep. Animal Biotechnology, 8 (1):23.

Jackson, S.P., R.D. Green and M.F. Miller. 1997. Phenotypic characterization of Rambouillet sheep expressing the callipyge gene: I.Inheritance of the condition and production characteristics. J. Anim. Sci. 75: 14 - 18.

Jackson, S.P., M.F. Miller and R.D. Green. 1997. Phenotypic characterization of Rambouillet sheep expressing the callipyge gene: II. Carcass characteristics and retail yield. J. Anim. Sci. 75: 125 - 132.

Jackson, S.P., M.F. Miller and R.D. Green. 1997. Phenotypic characterization of Rambouillet sheep expressing the callipyge gene: III. Muscle weights and muscle weight distribution. J. Anim. Sci. 75: 133 - 138.

Cockett, N.E., **S.P. Jackson,** T.L. Shay, S. Berghmans, M. Beckers, M. Georges, and G.D. Snowder. 1996. The callipyge gene of sheep. Probe 7(3): 31.

Cockett, N.E., **S.P. Jackson**, T.L. Shay, F. Farnir, S. Berghmans, G.D. Snowder, D.M. Nielsen, and M. Georges. 1996. Polar overdominance at the ovine *callipyge* locus. Science 273: 236.

Cockett, N.E., **S.P. Jackson**, T.L. Shay, D. Nielsen, S.S. Moore, M.R. Steele, W. Barendse, R.D. Green and M. Georges. 1994. Chromosomal location of the *callipyge* gene in sheep (*Ovis aries*) using bovine DNA markers. Proc. Natl. Acad. Sci. USA. 91: 3019.

Modesitt, P.T., C.R. Richardson, **S.P. Jackson,** J.L. Pipkin, and J.R. Clark. 1994. Reproductive and hematological effects of feeding diets containing gossypol to mature ewes. Texas J. Agric. Nat. Resour. 7: 1.

GRADUATE STUDENT COMMITTEES:

Chair of six graduate committees and a member of 8 M.S. and 10 PhD committees.

RECENT RESEARCH GRANTS:

Thirteen grants ($126,538) have been received over the past four years.

Improvement of Animal Science Curriculum Through Multimedia-enhanced Instruction, Teaching, Learning and Technology Center. $ 4,965.00 (33%).

Growth, Feed Efficiency and Carcass Characteristics of Barbados Lambs with Normal and Callipyge Phenotypes. Houston Livestock Show. 1998, $4,500 (50%).

Use of peanut by-products in lamb diets. Center for Feed Industry Research and Education, Texas Tech University. 1998, $5,000, (100%)

Beef Cattle Tenderness Characterization, National Cattleman's Beef Association. 1998, $37,000 (33%).

Chemical and Management Strategies to Control Texas Livestock Losses Caused by Fire Ants, Texas Agricultural Experiment Station. 1998, $ 60,000 (50%).

Evaluation of quality grade indicators for live slaughter cattle, USDA. 1997, $ 90,000, (10%).

Chemical and Management Strategies to Control Texas Livestock Losses Caused by Fire Ants, Texas Agricultural Experiment Station. 1997, $ 60,000 (50%).

Use of extruded whole cottonseed in lamb diets. Center for Feed Industry Research and Education, Texas Tech University. 1997 $5,000, (100%)

Evaluation of quality grade indicators for live slaughter cattle, USDA. 1996, $ 90,000 (20%).

New lamb leg and ground lamb leg products. American Lamb Industry Association. 1996, $ 18,000 (33%).

Use of extruded cotton by-products in lamb diets. Center for Feed Industry Research and Education, Texas Tech University. 1996, $5,000, (100%)

Houston Livestock Show and Rodeo: Protein retention, feed efficiency, palatability and skeletal muscle calpastatin activity of lambs expressing the *callipyge* gene. 1995, $5,000, (100%).