

CURRICULUM VITAE

R. James Ansley

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Education: 1983, Ph.D., Agronomy, University of Wyoming
1979, M.S., Range Science, Utah State University
1975, B.A., Biology, Hastings College (Nebraska)

Professional Experience:

2004-present Professor, Texas AgriLife Research-Vernon
1998-2004 Associate Professor, Texas Agricultural Experiment Station-Vernon
1994-1998 Assistant Professor, Texas Agricultural Experiment Station-Vernon
1983-1993 Postdoctoral Associate, Texas Agricultural Experiment Station-Vernon

Research Interests:

Management systems to limit woody plant encroachment on rangelands, rangeland ecosystem restoration; fire ecology; shrub/grass competitive relations; woody plant water relations; potential of rangeland woody plants for bioenergy.

Honors and Awards:

Outstanding Achievement Award in Research – Society for Range Management, 2008
Best Technical Journal Article, Texas Section Society for Range Management, 2006
Best Poster in Soil Biology and Biochemistry, Soil Science Soc. Amer. Annual Meeting, 2006
Best Poster, Forest and Rangeland Soils, Soil Science Soc. Amer. Annual Meeting, 2002
Best Popular Article, Texas Section Society for Range Management, 1998
Award in Excellence, Off-Campus Research Support, Texas A&M University Agric. Program, 1992
John P. Ellbogen Classroom Teaching Award, University of Wyoming, 1983

Editorial Boards:

Associate Editor, Rangeland Ecology and Management, 2003-2006

Selected Publications (from a total of 65+ journal articles and book chapters):

Ansley, R.J., W.E. Pinchak and D.L. Jones. 2008. Mesquite, tobosagrass and common broomweed responses to summer and winter season fires. *Rangeland Ecology and Mgt.* 61: 588-597.

Harris, W.H., T.W. Boutton, and **R.J. Ansley**. 2008. Plant community and soil microbial responses to fire and clipping in a southern mixed grassland. *Rangeland Ecology and Mgt.* 61: 580-587.

Ansley, R.J., and H.T. Wiedemann. 2008. Reversing the woodland steady state: vegetation responses during restoration of juniper-dominated grasslands with chaining and fire. Chapter 15, Pages 272-290 In: O.W. Van Auken (ed.), *Western North American Juniperus Communities: A Dynamic Vegetation Type*, Ecological Studies Volume 196, Springer, New York, 311 pp.

Teague, W.R., W.E. Grant, U.P. Kreuter, H. Diaz-Solis, S. Dube, M.M. Kothmann, W.E. Pinchak, and **R.J. Ansley**. 2008. An ecological economic simulation model for assessing fire and grazing management effects on mesquite rangelands in Texas. *Ecological Economics* 64:612-625.

Simmons, M.T., S.R. Archer, W.R. Teague, and **R.J. Ansley**. 2008. Tree (*Prosopis glandulosa*) effects on grass growth: An experimental assessment of above- and belowground interactions in a temperate savanna. *J. Arid Environments* 72:314–325.

Ansley, R.J., and M.J. Castellano. 2007. Prickly pear cactus responses to summer and winter fires. *Rangeland Ecology and Mgt.* 60: 244-252.

Ansley, R.J., and M.J. Castellano. 2007. Texas wintergrass and buffalograss response to seasonal fires and clipping. *Rangeland Ecology and Mgt.* 60: 154-164.

Ansley, R.J., and M.J. Castellano. 2007. Effects of summer season fires on woody, succulent and graminoid vegetation in southern mixed prairie ecosystems. *Tall Timbers Fire Ecol. Conf.* 23: 63-70.

- Castellano, M.J. and **R.J. Ansley**. 2007. Fire season and grazing differentially affect temporal stability and drought resilience of three perennial grass functional groups. *J. Arid Environments* 69:375-384.
- Simmons, M.T., S.R. Archer, **R.J. Ansley** and W.R. Teague. 2007. Grass effects on tree (*Prosopis glandulosa*) growth in a temperate savanna. *J. Arid Environments* 69:212-227.
- Ansley, R.J.**, and M.J. Castellano. 2006. Strategies for savanna restoration in the southern Great Plains: Effects of fire and herbicides. *Restoration Ecology* 14: 420-427.
- Ansley, R.J.**, T.W. Boutton and J.O. Skjemstad. 2006. Soil organic matter and black carbon storage and dynamics under different fire regimes in a temperate mixed-grass savanna. *Global Biogeochemical Cycles* 20, GB3006, doi:10.1029/2005GB002670, 11 pp.
- Ansley, R.J.**, M.J. Castellano and W.E. Pinchak. 2006. Sideoats grama growth responses to seasonal fires and clipping. *Rangeland Ecology and Mgt.* 59: 258-266.
- Ansley, R.J.**, H.T. Wiedemann, M.J. Castellano and J.E. Slosser. 2006. Herbaceous restoration of juniper-dominated grasslands with chaining and fire. *Rangeland Ecology and Mgt.* 59: 171-178.
- Dai, X., T.W. Boutton, M. Hailemichael, **R.J. Ansley**, and K.E. Jessup. 2006. Soil carbon and nitrogen storage in response to fire in a temperate mixed-grass savanna. *J. Environ. Quality* 35: 1620-1628.
- Hughes, R.F., S.R. Archer, G.P. Asner, C.A. Wessman, C. McMurtry, J. Nelson, **R.J. Ansley**. 2006. Changes in aboveground primary production and carbon and nitrogen pools accompanying woody encroachment in a temperate savanna. *Global Change Biology* 12: 1733-1747.
- Ansley, R.J.**, and G.A. Rasmussen. 2005. Managing native invasive juniper species using fire. *Weed Technology* 19: 517-522.
- Dai, X., T.W. Boutton, B. Glaser, **R.J. Ansley** and W. Zech. 2005. Black carbon in a temperate mixed-grass savanna. *Soil Biology and Biochemistry* 37: 1879-1881.
- Ansley, R.J.**, W.R. Teague, W.E. Pinchak, B.A. Kramp and D.L. Jones. 2004. Long-term grass yields following chemical control of honey mesquite. *J. Range Mgt.* 57: 49-57.
- Ansley, R.J.**, B.A. Kramp and D.L. Jones. 2003. Converting mesquite thickets to savanna through foliage modification with clopyralid. *J. Range Mgt.* 56: 72-80.
- Asner, G.P., S.R. Archer, R.F. Hughes, **R.J. Ansley** and C.A. Wessman. 2003. Net changes in regional woody vegetation cover and carbon storage in Texas drylands, 1937-1999. *Global Change Biology* 9: 316-335.
- Martin, R.E., G.P. Asner, **R.J. Ansley** and A.R. Mosier. 2003. Effects of woody vegetation encroachment on soil nitrogen oxide emissions in a temperate savanna. *Ecol. Appl.* 13: 897-910.
- Ansley, R.J.**, W.A. Dugas, M.L. Heuer and B.A. Kramp. 2002. Bowen ratio/energy balance and scaled leaf measurements of CO₂ flux over burned *Prosopis* savanna. *Ecol. Appl.* 12: 948-961.
- Ansley, R.J.**, X.B. Wu and B.A. Kramp. 2001. Observation: Long-term increases in mesquite canopy cover in a north Texas savanna. *J. Range Mgt.* 54: 171-176.
- Teague, W.R., **R.J. Ansley**, U.P. Kreuter, W.E. Pinchak, and J.M. McGrann. 2001. Economics of managing mesquite in north Texas: a sensitivity analysis. *J. Range Mgt.* 54: 553-560.
- Ansley, R.J.**, D.L. Jones, T.R. Tunnell, B.A. Kramp and P.W. Jacoby. 1998. Honey mesquite canopy responses to single winter fires: relation to fine fuel, weather and fire temperature. *International J. Wildland Fire* 8: 241-252.
- Ansley, R.J.**, B.A. Trevino and P.W. Jacoby. 1998. Intraspecific competition in honey mesquite: leaf and whole plant responses. *J. Range Mgt.* 51: 345-352.
- Kramp, B.A., **R.J. Ansley** and T.R. Tunnell. 1998. Survival of mesquite seedlings emerging from cattle and wildlife feces in a semi-arid grassland. *The Southwestern Naturalist* 43: 300-312.
- Ansley, R.J.**, W.A. Dugas, M.L. Heuer, and B.A. Trevino. 1994. Stem flow and porometer measurements of transpiration from honey mesquite (*Prosopis glandulosa* Torr.) trees. *J. Exp. Botany* 45: 847-856.
- Ansley, R.J.**, P.W. Jacoby, C.H. Meadors and B.K. Lawrence. 1992. Soil and leaf water relations of differentially moisture-stressed honey mesquite (*Prosopis glandulosa* Torr.). *J. Arid Environments* 22: 147-159.
- Ansley, R.J.**, D.L. Price, S.L. Dowhower and D. Carlson. 1992. Seasonal trends in leaf area of honey mesquite trees: determination using image analysis. *J. Range Mgt.* 45: 339-344.