

# THOMAS G. BARNES

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## EXPERIENCE

**EXTENSION PROFESSOR (WILDLIFE SPECIALIST)**, University of Kentucky, Lexington, KY 40546. December 1988 - present. Promoted from temporary extension wildlife specialist to assistant extension professor, July 1990. Promoted from assistant extension professor to associate extension professor with tenure July, 1994. Promoted to extension Professor with tenure July 2002. Distribution of Effort has varied from 100% extension to 90% Extension, 10% Resident Instruction. Developed an extension wildlife program emphasizing 1) animal damage control, and 2) urban wildlife ecology, conservation, and management and 3) biodiversity & ecosystem management. Responsible for developing and teaching FOR 101, Introduction to Wildlife Conservation (3 semester hours). I have also taught FOR 620: Field Ornithology (1 semester hour) and FOR 620 Wildlife Damage Management (3 semester hours). Supervised 1 lab technician and numerous graduate students and student workers.

**RESEARCH ASSISTANT**, 1985 - 1988. Department of Wildlife and Fisheries Sciences, Texas A&M University. Developed, conducted, and coordinated research activities on white-tailed deer nutrition.

**BIOLOGY INSTRUCTOR**, 1983 - 1984. Huron College, Huron, SD. Designed, prepared, and conducted classroom and laboratory lectures, discussions, and examinations for General Biology, Botany, Ecology, Genetics, and Resource Management.

**ENDANGERED SPECIES WILDLIFE BIOLOGIST**, 1982 - 1983. U.S. Fish and Wildlife Service, Pierre, SD. Designed, coordinated, and conducted public awareness research program.

**RESEARCH ASSISTANT**, 1979 - 1982. South Dakota Cooperative Research Unit, SDSU, Brookings, SD. Developed, coordinated, and conducted research studies on small mammal ecology, animal damage to shelterbelt trees, and feeding selectivity of rabbits.

**PROFESSIONAL AIDE I**, 1975 - 1979. South Dakota Game, Fish, and Parks Department, Huron, SD. Collected and analyzed data for long term study describing the impact of the Oahe Irrigation Project on waterfowl, pheasant, and white-tailed deer populations.

## EDUCATION

**DOCTOR OF PHILOSOPHY**, Wildlife & Fisheries Sciences, Texas A&M University, College Station, TX. August 1988. GPA 4.00. Dissertation Title: Digestion dynamics in white-tailed deer, 153 pp.

**MASTER OF SCIENCE**, Wildlife & Fisheries Sciences, South Dakota State University,

Brookings, SD. May 1982. GPA 3.83. Thesis Title: Mammal damage and movements of deer mice in South Dakota shelterbelts, 40 pp.

**BACHELOR OF ARTS**, Biology, Huron College, Huron, SD. May 1979. Magna Cum Laude, GPA 3.77.

## ANNUAL MERIT EVALUATION

YEAR	EVALUATION	APPROXIMATE ACADEMIC APPOINTMENT
1988-89	<b>4.5*</b>	100% Extension
1989-90	<b>4.5</b>	100% Extension
1990-91	<b>EXCELLENT*</b>	90% Extension 10% Teaching
1991-92	<b>SUPERIOR</b>	90% Extension 10% Teaching
1992-93	<b>SUPERIOR</b>	90% Extension 10% Teaching
1993-94	<b>SUPERIOR</b>	90% Extension 10% Teaching
1995-96	<b>SUPERIOR</b>	100% Extension
1996-97	<b>SUPERIOR</b>	100% Extension
1997-98	<b>6</b>	100% Extension
1998-00	<b>6</b>	100% Extension
2000-02	<b>4</b>	100% Extension
2002-04	<b>4</b>	100% Extension

- Prior to 1990, the evaluation was based on a numeric rating scale. The maximum ranking achievable for an assistant professor was 4.5. After 1990, the ranking system was changed to four categories: marginal, average, excellent, and superior. The evaluation system was changed in 1998 to include categories ranging from 1 to 8 and in 2000 it was changed from 1 to 5.

## EXTRAMURAL FUNDING

Using Sulfosufuron to Remove Smooth Brome from South Dakota Grasslands. \$2,000 awarded June 2005, Monsanto Corporation.

Bluegrass Savanna Restoration. \$20,000 awarded 2004, Monsanto Corporation.

Converting Exotic Cool Season Grasslands to Native Warm-Season Grasslands Utilizing Herbicide Treatments, SD Game, Fish, and Parks Department (To South Dakota State University), Thomas G. Barnes and K.C. Jensen, Principal Investigators, \$141,000 awarded for 2004-2008.

Texas Coastal Prairie Restoration, The Welder Wildlife Foundation, \$71,200 awarded July 1, 2004

The World Around Us, Permanent Exhibit, Louisville Science Center, awarded \$ 2500, 2004.

Exotic Legume Control, \$4,000 award August 2003 from BASF Corporation.

Exotic Legume Control, \$6,000 awarded May 2002 from BASF Corporation.

Fescue Eradication Study, \$3,000 awarded March 2000 to 2001 from Valant Chemical Corp.

Evaluation of a New Mole Repellent, \$24,000 awarded July 1999 from KTI Direct

Ecological Characteristics of an Elk Reintroduction in Eastern Kentucky, \$453,000 awarded September 1997 from Kentucky Department of Fish & Wildlife Resources and Rocky Mountain Elk Foundation (Maehr and Barnes, Co-PI).

Expansion of the 4-H Wildlife Habitat Evaluation Youth Program in States and Local Communities, \$195,000 awarded to Auburn University from International Association Fish and Wildlife Agencies, September 1997. (Investigators: Armstrong, Barnes, Cohen, Green, Lee, Masters, Messmer, Miller, Morgan, Pierce, Saum, Spaulding).

Ecosystem Management Brochure. U.S. Fish and Wildlife Service. \$9,775.00 awarded September 1, 1997.

Urban Forestry Notebook. KY Division of Forestry/USDA America The Beautiful Program. \$7,500 awarded September 1, 1997.

National Wildlife Habitat Evaluation Program, 1997. \$55,000 from the U.S. Fish & Wildlife Service, Champion International, Wildlife Forever, National Rifle Association, Rocky Mountain Elk Foundation to Friends of KY 4-H.

KY Wildlife Habitat Evaluation Program, 1997. \$750.00 from Westvaco, Quail Unlimited, KY Chapter of The Wildlife Society.

Fescue Eradication Study and Establishing Native Warm Season Grasses, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004. \$16,000 from Commonwealth Chapter, Quail Unlimited.

Fescue Eradication Study and Establishing Native Warm Season Grasses, 1996, 1997, 1998, 1999, 2000. \$49,800 from American Cyanamid.

National Wildlife Habitat Evaluation Program, 1996. \$49,000 from the U.S. Fish & Wildlife Service, Champion International, Wildlife Forever, National Rifle Association, Rocky Mountain Elk Foundation to Friends of KY 4-H.

KY Wildlife Habitat Evaluation Program, 1996. \$750.00 from Westvaco, Quail Unlimited, KY Chapter of The Wildlife Society.

Biodiversity Video. \$22,000 awarded September 30, 1995. U.S. Fish and Wildlife Service.

KY Wildlife Habitat Evaluation Program, 1995. \$1,000.00 from Westvaco, Quail Unlimited, KY Chapter of The Wildlife Society, KY League of Sportsmen.

Bobwhite Quail Habitat Manipulation Study. KY Dept. Fish and Wildlife Resources. \$60,000 1995-99.

Urban Wildlife Management Book. KY Dept. Fish and Wildlife Resources. \$25,000 1995.

KY Wildlife Habitat Evaluation Program, 1994. \$750.00 from Westvaco, Quail Unlimited, KY Chapter of The Wildlife Society.

Urban Forestry Notebook. KY Division of Forestry/USDA America The Beautiful Program. \$10,000 awarded July 1, 1994.

The importance of wetlands, cave ecosystems, and riparian habitats in reducing nonpoint source pollution and improving water quality. KY. Department for Environmental Protection/EPA 319(h). \$60,000 awarded July 1, 1994.

Ecosystem management in the Central Hardwood Region: Training for service foresters. U.S.D.A., Cooperative Extension Service Renewable Resources Extension Act. \$80,000 awarded June 1, 1994 (In cooperation with Purdue University).

Support of the First Eastern Nuisance Wildlife Control Operators Shortcourse. \$500 awarded February 1994, National Animal Damage Control Association.

Support of the First Eastern Nuisance Wildlife Control Operators Shortcourse. \$500 awarded February 1994, Utah State University Program in Wildlife Damage Management.

Biodiversity: What is it? Why is it important? How can we manage for it? T.G. Barnes. U.S. Fish and Wildlife Service, \$13,300 awarded March 1, 1993.

An assessment of the effects of silvicultural prescriptions on wildlife communities and associated habitats in Daniel Boone National Forest. T.G. Barnes, M.J. Lacki, P.J. Kalisz, and J. Stringer. USDA, Forest Service \$110,000 awarded July 1, 1992.

Landowner's guide and correspondence course on private lands wildlife management. T.G. Barnes, Kentucky Division of Forestry, \$10,000 awarded Feb. 1, 1992.

Landowner's guide and correspondence course on private lands wildlife management. T.G. Barnes, U.S. Fish and Wildlife Service, \$7,500 awarded December 19, 1990.

Impacts of disturbance in fescue dominated fields on bobwhite quail and eastern cottontail rabbit in Kentucky: habitat, food quality, and availability. T.G. Barnes and M. J. Lacki, KY Department of Fish and Wildlife Resources, \$15,000 awarded October 1, 1990.

Foraging behavior and summer habitat selection of endangered Virginia Big-eared bat in the Daniel Boone National Forest. M.J. Lacki and T.G. Barnes, USDA-Forest Service, \$45,000 awarded June 21, 1990.

Eastern bluebirds: nesting structure design and placement. T.G. Barnes, KY Department of Fish and Wildlife Resources, \$800 awarded 1990, 1991.

Managing coyote problems in Kentucky: a slide-tape program. T.G. Barnes, KY Department of Fish and Wildlife Resources, \$350 awarded 1990.

Digestion dynamics in white-tailed deer. T.G. Barnes, National Rifle Association, \$3,000 awarded 1988.

## INTERNAL COMPETITIVE FUNDING

1993. Barnhart Fund For Excellence. \$1,000 for First Eastern Nuisance Wildlife Control Operators Shortcourse.

1994. Kentucky State IPM Program Grant. \$5,000. Education of IPM Predecessors for Conservation Reserve Program (along with Murdock, Martin, Herbek, Johnson, Rasnake, Hershman, Trimble, Hill, and Rudolph).

1995. Program Enhancement Grant. \$5,000 for Conservation Reserve Program Education Demonstration and Survey (along with Murdock, Martin, Herbek, Johnson, Rasnake, Hershman, Trimble, Hill, and Rudolph).

1995- 1997. Beef Cattle Production on Reclaimed Surface Mined Land in the Appalachian Region of Kentucky (D. Ditsch, P.I. with Collins, Larson, Johns, Phillips, Lauriault, Henning, and Gerkin). \$268,638.

1995. Education of IPM Practices for Conservation Reserve Program Phase II. (along with Murdock, Herbek, Johnson, Call, Lucas, Rasnake, Bachi, Hershman, Trimble, Hill, Moore and Rudolph). \$8,000.

## PUBLICATIONS

### BOOKS & BOOK CHAPTERS

**Barnes, T.G. and S.W. Francis** 2004. Wildflowers and Ferns of Kentucky, University Press of Kentucky, Lexington.

**Barnes, T.G.** 2002. Kentucky's Last Great Places, University Press of Kentucky, Lexington.

**Barnes, T.G.** 1998. Gardening For the Birds, University Press of Kentucky, Lexington, 280 pp.

**Barnes, T.G., L.W. Varner, and R.K. Heitschmidt.** 1991. Wildlife. pp. 179 - 189 In (R.K. Heitschmidt and J.W. Stuth, eds.) Grazing Management: An Ecological Perspective. Timber Press, Portland

## Research

- T.G. Barnes** 2004. Strategies to Convert Exotic Grass Pastures to Tall Grass Prairie Communities. *Weed Tech.* 18:1364 – 1370.
- Ruffner, M.E. and **T. G. Barnes** 2004. The efficacy of herbicides for eradicating tall fescue. *North American Prairie Conference* 18:67-74.
- Courtney, A. and **T. G. Barnes**. 2003. The Efficacy of Molexit for Reducing Damage From Eastern Moles (*Scalopus aquaticus*). *Proc. Vert. Pest Conf.* 20:299-302.
- C. Rhoades, **T. Barnes**, and B. Washburn. 2002. Prescribed fire and herbicide effects on soil processes during barrens restoration. *Restoration Ecology* 10:656-664.
- Washburn, B.E., **T.G. Barnes**, C.C. Rhoades, and R. Remington. 2002. Using imazapic and prescribed fire to enhance native warm season grasslands in Kentucky, USA. *Natural Areas J.* 22(1):20-27.
- Steen-Ash, S, **T.G. Barnes**, J.T. Hutchinson, J. L. Larkin, B. E. Washburn, J. L. Weese, H.F Yacek, Jr. Characteristics of gray squirrel release sites selected by nuisance wildlife control operators. *Proc. Eastern Wildl. Damage Conf.* 8: (In Press)
- Larkin, J.L. **T.G. Barnes**, M. DePoy-Smith, and D.S. Maehr. 2001. A Comparison of Avian Communities Occupying Native and Exotic Grasslands in Kentucky: A Preliminary Study. *Proc. North American Prairie Conf.* 17:201-205.
- Madison, L.A., **T.G. Barnes**, J.D. Sole. 2001. Effectiveness of fire, disking, and herbicide application in removing tall fescue dominated fields. *Wildl. Soc. Bull.* 29:706-712.
- Washburn B.E. and **T.G. Barnes**. 2000. Post-Emergence Tall Fescue (*Festuca arundinacea*) Control at Different Growth Stages With Glyphosate and AC 263,222. *Weed Technology* 14:223-240.
- Washburn, B.E. **T. G. Barnes**, J.D. Sole. 2000. Improving northern bobwhite habitat by converting tall fescue fields to native warm season grasses. *The Wildlife Society Bulletin* 28:97-104.
- Washburn, B.E. and **T.G. Barnes**. 1999. Converting Tall Fescue Grasslands to Native Warm-Season Grasses. *Eastern Native Grass Symposium* 2:331-341.
- Washburn, B.E. and **T.G. Barnes**. 2000. Native Warm-season Grass and Forb Tolerance to Imazapic and 2,4-D. *Native Plant Journal* 1:61-68.
- Washburn, B.E., **T.G. Barnes**, J.D. Sole, R. Hines. 1999. Eradicating Tall Fescue Using Glyphosate Followed by Cool-season Grass Seedings. *Proc. Southeast. Assoc. Fish Wildl. Agencies* 53:270-281.
- B.E. Washburn, **T.G. Barnes**, J.D. Sole. 1999. No-till Establishment of Native Warm Season Grasses in Tall Fescue Fields. *Ecological Restoration* 17:40-45.

- Craven, S., **T.G. Barnes**, G. Kania. 1998. Toward a professional position on the translocation of problem wildlife. *Wildl. Soc. Bull.* 26:171-177.
- T.G. Barnes**, J.L. Larkin, M.B. Arnett. 1998. Establishing Native Warm Season Grasses on Eastern Kentucky Strip-mines. *Proc. Amer. Soc. Surface Mine and Reclamation. Proc. Amer. Soc. Surface Mine Reclam.* 25:615-633.
- Barnes, T.G.**. 1998. State Agency Response to Maintaining Regulatory Oversight of NWCO. *Proc. Vert. Pest Conf.* 18:287-289.
- Ragland-Gray, K. and **T.G. Barnes** 1997. Reaching Non-traditional Extension Audiences Using Distance Education: Introduction to Wildlife Conservation, A Case Study. *Trans. N.Am. Natur. Resour. Conf.* 62:74-83.
- Barnes, T.G.** 1997. State Wildlife Agency Oversight of the Nuisance Wildlife Control Industry. *Wildl. Soc. Bull.* 25:185-188.
- Barnes, T.G.** 1995. Survey of the nuisance wildlife control industry with notes on their attitudes and opinions. *Proc. Great Plains Wildl. Damage Control Conf.* 12:104-108.
- Barnes, T.G.** 1995. A survey comparison of the pest control and nuisance wildlife control industry in Kentucky. *Eastern Wildl. Damage Control Conf.* 6:39-48.
- Madison, L.A., **T.G. Barnes**, J.D. Sole. 1995. Improving Northern bobwhite brood rearing habitat in tall fescue dominated fields. *Proc. Southeast. Assoc. Fish Wildl. Agencies* 49:525-536.
- Barnes, T.G.**, L.A. Madison, J.D. Sole, M.J. Lacki. 1995. An assessment of tall fescue dominated fields habitat quality for northern bobwhite. *Wildl. Soc. Bull.* 23:231-237.
- Adam, M.D., M.J. Lacki, and **T.G. Barnes**. 1994. Foraging areas and habitat use of the Virginia big-eared bat in Kentucky. *J. Wildl. Manage.* 58:462-469.
- Barnes, T.G.** 1993. The Nuisance Wildlife Control Industry in Kentucky. *Proc. Annu. Great Plains Wildl. Damage Control Conf.* 10:12-22.
- Barnes, T.G.**, L.H. Blankenship, L.W. Varner, and J.F. Gallagher. 1991. Apparent mineral absorption by white-tailed deer. *Proc. Annu. Conf. Southeast. Assoc. Fish Wildl. Agencies* 45:73-80.
- Barnes, T.G.**, L.H. Blankenship, L.W. Varner, and G.F. Gallagher. 1991. Digestibility of guajillo for white-tailed deer. *J. Range Manage.* 44:44:606-610.
- Barnes, T.G.**, L.H. Blankenship, L.W. Varner, and G.F. Gallagher. 1991. Indigestible particulate passage in white-tailed deer. pp. 436-442 *in* (R.D. Brown, ed.) *Proc. Second Internat. Symposium on the Biology of Deer.* Springer-Verlag, New York.
- Barnes, T.G.**, L.W. Varner, L.H. Blankenship, T.J. Fillinger, and S.C. Heineman. 1990. Macro and trace mineral content of selected south Texas deer forages. *J. Range Manage.* 43:220-223.

- Barnes, T.G.**, E.J. Keyser, III, and R.L. Linder. 1989. Survey of animal damage and feeding selectivity of rabbits in eastern South Dakota shelterbelts. *Proc. Great Plains Anim. Damage Control Conf.* 9:154-159.
- Barnes, T.G.**, L.W. Varner, L.H. Blankenship, and J.F. Gallagher. 1989. Predicting in vivo dry matter, energy, and protein digestibility of deer forages. *Proc. Annu. Conf. Southeast. Assoc. Fish and Wildl. Agencies* 43:297-305.
- Gallagher, J.F., **T.G. Barnes**, and L.W. Varner. 1988. Separating leaves from browse for use in nutritional studies with herbivores. *J. Range Manage.* 41:522-523.
- Barnes, T.G.** and R.L. Linder. 1982. Small mammal occurrence in South Dakota shelterbelts and movements of *Peromyscus maniculatus*. *S.D. Acad. Sci.* 61:56-63.
- Barnes, T.G.** and T.A. Schaid. 1981. Laboratory feeding preferences of three small mammals for five tree species. *Prairie Nat.* 13:78-80.

## **PUBLISHED ABSTRACTS**

More than 35 abstracts published in International Union Forestry Research Organizations World Congress, The Wildlife Society Annual Conference, Midwestern Association Fish and Wildlife Agencies, Southeastern Association of Fish & Wildlife Agencies, Society for Conservation Biology Annual Conference, Joint Furbearer Workshops, Status of Private Lands Conference, Midwestern Weed Science Society Annual Conference, American Association of Strip Mine Reclamation Annual Conference, Triennial Extension Wildlife Specialist Conference, Texas Chapter of the Wildlife Society Annual Meeting, South Dakota Academy of Sciences Annual Conference, National Arbor Day Foundation Urban Forestry Conference, Cooperative Extension Service Galaxy Conference, Education & Communication Applications in Natural Resource Management, Biennial National Forestry Education Conference, Vertebrate Pest Conference, Eastern Wildlife Damage Conference, Great Plains Wildlife Damage Conference, Eastern Native Warm Season Grass Symposium, Southwestern Association of Naturalists, Southern Weed Science Society.

## **EXTENSION PUBLICATIONS**

- Barnes, T.G.** 2001. Attracting Butterflies with Native Plants. *Agric. Exten. Serv. Publ. FOR 98*, 8 pages.
- Barnes, T.G.** 2000. Hummingbirds: An Attractive Asset to Your Garden. *Agric. Exten. Serv. Publ. FOR 97*, 8 pages.
- Barnes, T.G.** and L.W. Adams. 1999. Creating Urban Stormwater Control Ponds for Water Quality and Wildlife Habitat. *Agric. Exten. Serv. Publ. FOR 73*, 6 pp.
- Barnes, T.G.** 1999. A Guide to Urban Habitat Conservation Planning. *Agric. Exten. Serv. Publ. FOR 74*
- Barnes, T.G.** 2000. Landscape Ecology and Ecosystems Management. *Agric. Exten. Serv. Publ. FOR 76*
- Barnes, T.G.** 1999. An Ecosystems Approach to Natural Resources Management. *Agric. Exten. Serv. Publ. FOR 75*, 12 pp.

- Barnes, T.G.** 1998. Wild About Wildflowers. Agric. Exten. Serv. Publ. FOR 71, 8pp.
- Barnes, T.G.** 1998. Eradication or Replacement of Endophytic Tall Fescue. Agric. Exten. Serv. Publ. FORFS 98-5,3 pp.
- Barnes, T.G.** 1998. Establishing Native Warm Season Grasses For Wildlife. Agric. Exten. Serv. Publ. FORFS 98-6,3 pp.
- Barnes, T.G.** 1998. Sources of Native Plants and Seeds. Agric. Exten. Serv. Publ. FORFS 98-7, 6 pp.
- T.G. Barnes** (editor) 1998. Annual Report, Coop. Exten. Serv. Publ.
- T.G. Barnes** (editor) 1997. Annual Report, Coop. Exten. Serv. Publ.
- T.G. Barnes** (editor) 1996. Annual Report, Coop. Exten. Serv. Publ.
- T. G. Barnes** (editor) 1996. Forestry Five Year Report. Coop. Exten. Serv. Publ.
- Johnson, M.E. and **T. G. Barnes**. 1996. Pesticides and the Endangered Species Protection Program. Southern Regional Exten. and Research Activity Publ. 4 pp.
- Barnes, T.G.** 1995. Woody plants attractive to wildlife that are suitable for Kentucky landscapes. Agric. Exten. Serv. Publ. 27 pp.
- Barnes, T.G.** 1993. Stewardship Incentive Program: Riparian Habitat, SIP-6. Agric. Exten. Serv. Publ. Brochure.
- Barnes, T.G.** 1994. Bacteria to Butterflies, Fungi to Flying Squirrels and Wildflowers to Wild Turkeys: How Can We Manage for Biodiversity. Agric. Exten. Serv. Publ. FOR 64, 8pp.
- Barnes, T.G.** 1993. Stewardship Incentive Program: Wildlife Habitat Improvement, SIP-8. Agric. Exten. Serv. Publ. Brochure.
- Barnes, T.G.** 1993. Bacteria to Butterflies, Fungi to Flying Squirrels and Wildflowers to Wild Turkeys: What is Biodiversity. Agric. Exten. Serv. Publ. FOR 63, 8pp.
- Barnes, T.G.** 1993. Managing Commensal Rodent Problems in Kentucky. Agric. Exten. Serv. Publ. ID 115, 8pp.
- Barnes, T.G.** 1993. Managing White-tailed Deer Problems in Kentucky. Agric. Exten. Serv. Publ. FOR 57, 8pp.
- Barnes, T.G.** and B.U. Constantin. 1993. Managing Urban Pest Bird Problems in Kentucky. Agric. Exten. Serv. Publ. FOR 62, 7pp.
- Barnes, T.G.** (editor) 1992. Private Lands Wildlife Management: A Technical Guidance Manual and Correspondence Course. Agric. Exten. Serv. Publ. 354 pp.
- Barnes, T.G.** 1992. Introduction: What Are Wildlife and Wildlife Management pp. I-1 to I-8 in (T.G. Barnes, ed.) Private Lands Wildlife Management: A Technical Guidance Manual

and Correspondence Course. Agric. Exten. Serv. Publ.

Elliott, C.L. and **T.G. Barnes** 1992. Food, Water, Cover, and Space: What Wildlife Require. pp. I-29 to I-38 in (T.G. Barnes, ed.) Private Lands Wildlife Management: A Technical Guidance Manual and Correspondence Course. Agric. Exten. Serv. Publ.

**Barnes, T.G.** 1992. Inventory, Goals, and Guidelines: The Process of Managing Wildlife. pp. I-47 to I-54 in (T.G. Barnes, ed.) Private Lands Wildlife Management: A Technical Guidance Manual and Correspondence Course. Agric. Exten. Serv. Publ.

**Barnes, T.G.** 1992. Aerial Photographs, Maps and Habitat: Creating a Planning Document. pp. I-55 to I-60 in (T.G. Barnes, ed.) Private Lands Wildlife Management: A Technical Guidance Manual and Correspondence Course. Agric. Exten. Serv. Publ.

**Barnes, T.G.** 1992. Establishment and Management of Grasslands. pp. III-19 to III-28 in (T.G. Barnes, ed.) Private Lands Wildlife Management: A Technical Guidance Manual and Correspondence Course. Agric. Exten. Serv. Publ.

**Barnes, T.G.**, J.D. Sole, and J. Phillips. 1992. Habitat Improvement Practices and Guidelines. pp. III-29 to III-44 in (T.G. Barnes, ed.) Private Lands Wildlife Management: A Technical Guidance Manual and Correspondence Course. Agric. Exten. Serv. Publ.

**Barnes, T.G.** 1992. Backyard Wildlife Habitat Management. pp. IV-19 to IV-32 in (T.G. Barnes, ed.) Private Lands Wildlife Management: A Technical Guidance Manual and Correspondence Course. Agric. Exten. Serv. Publ.

**Barnes, T.G.** 1992. A Guide to Managing Your Farm for a Lease-Hunting Enterprise. pp. IV-33 to IV-42 in (T.G. Barnes, ed.) Private Lands Wildlife Management: A Technical Guidance Manual and Correspondence Course. Agric. Exten. Serv. Publ.

**Barnes, T.G.**, J.D. Sole, and J. Phillips. 1992. How Many Wildlife Are on My Property? pp. IV-43 to IV-46 in (T.G. Barnes, ed.) Private Lands Wildlife Management: A Technical Guidance Manual and Correspondence Course. Agric. Exten. Serv. Publ.

**Barnes, T.G.** 1992. Eastern bluebirds: nesting structure design and placement. Agric. Exten. Serv. Publ. FOR 52, 4 pp.

**Barnes, T.G.** 1991. Managing skunk problems in Kentucky. Agric. Exten. Serv. Publ. FOR 49, 5pp.

**Barnes, T.G.** 1991. Managing beaver problems in Kentucky. Agric. Exten. Serv. Publ. FOR 50, 6pp.

**Barnes, T.G.** 1991. Managing muskrat problems in Kentucky. Agr. Exten. Serv. Publ. FOR 51, 8pp.

**Barnes, T.G.**, B. Constantin, and T.L. Edwards. 1991. Managing wildlife damage problems in Kentucky: assistance, procedures, policies and regulations. Agric. Exten. Serv. Publ. FOR 13, 4 pp.

**Barnes, T.G.** 1991. Bats: information for Kentucky homeowners. Agric. Exten. Serv. Publ.

FOR-48, 5 pp.

**Barnes, T.G.** 1990 (revised 1992). Pest control: animals. Agric. Exten. Serv. Publ. FOR-27, 7 pp.

**Barnes, T.G.** 1990. Managing rabbit and vole problems in Kentucky Orchards. Agric. Exten. Serv. Publ. FOR-43, 6 pp.

**Barnes, T.G.** 1990. Managing woodchuck problems in Kentucky. Agric. Exten. Serv. Publ. FOR-44, 3 pp.

**Barnes, T.G.** 1990. Managing tree squirrel problems in Kentucky. Agric. Exten. Serv. Publ. FOR-45, 4 pp.

**Barnes, T.G.** 1990. Snakes: information for Kentucky homeowners. Agric. Exten. Serv. Publ. FOR-46, 6 pp.

Johnson, M.K. and **T.G. Barnes.** 1990. Kentucky's Endangered and Threatened Species. Agric. Exten. Serv. Publ. ID 103, 6pp.

**Barnes, T.G.** 1989. Eastern bluebirds: nesting structure design and placement. Dept. of Forestry Extension Publ. No. 2, 12 pp.

**Barnes, T.G.** 1989. Controlling woodpecker damage. Agric. Exten. Serv. Publ. FOR-38, 3 pp.

**Barnes, T.G.** 1989. Managing mole problems in Kentucky. Agric. Exten. Serv. Publ. FOR-42, 5 pp.

**Barnes, T.G.** 1989. Managing chipmunk problems in Kentucky. Agric. Exten. Serv. Publ. FOR-41, 3 pp.

#### **MAGAZINE ARTICLES**

**T.G. Barnes,** 2005. Designing With Nature: Know Your Plants. KY Gardener 3(6): 48 – 50.

**T.G. Barnes,** 2005. The July Shade Garden in Kentucky: It Doesn't Have to be All Ferns and Hostas, Try a Little Color. KY Gardener 3(6): 14 – 16.

**T.G. Barnes,** 2005. American Goldfinches: How to Keep Them Coming Back Year After Year. KY Gardener 3(4): 14 – 16.

**T.G. Barnes,** 2005. Wet Feet: Six Species for the Boggy Landscape. KY Gardener 3(3): 13 – 16.

**T.G. Barnes,** 2005. More Backyard Birds: Woody Plants That Attract Birds. KY Gardener 3(2): 13 - 15.

**T.G. Barnes,** 2005. Backyard Birds: Keep Feathered Friends Flocking to Your Garden. KY Gardener 3(1): 48 – 50.

**T.G. Barnes,** 2004. Native Lady Slipper Orchids: How to Grow Them in Your Garden. KY Gardener 2 (10): 13-16.

**T.G. Barnes,** 2004. Late Blooming Asters for a Colorful Kentucky Fall. KY Gardener 2 (8): 13-16.

- T.G. Barnes**, 2004. Wild About Carnivorous Plants: Growing Pitcher Plants. *KY Gardener* 2 (7): 13-16.
- T.G. Barnes**, 2004. Growing a Wildflower Meadow: Stage Three: The Final Steps. *KY Gardener* 2 (6): 13-16.
- T.G. Barnes**, 2004. Growing a Wildflower Meadow: Stage Two: More Planning and Preparation. *KY Gardener* 2 (5):48-50.
- T.G. Barnes**, 2004. Growing a Wildflower Meadow: Stage One: Planning and Preparation. *KY Gardener* 2 (4):13-16.
- T.G. Barnes**, 2004. Azaleas Abound: Find a Species to Fit Your Landscape. *KY Gardener* 2 (3):13-16.
- T.G. Barnes**, 2004. Woodland Wildflowers: 6 Early Blooms to Watch For. *KY Gardener* 2 (2):13-16.
- T.G. Barnes**, 2004. Floating Fertility: A Proven Method for Starting Perennial Seedlings Indoors. *KY Gardener* 2 (1): 48-50.
- T.G. Barnes**, 2003. Keeping Critters at Bay. *KY Gardener* 1 (9):6-7.
- T.G. Barnes**, 2003. Winged Jewels. *KY Gardener* 1(8):52-53.
- T.G. Barnes**, 2003. Creating A Kentucky Woodland Landscape. *KY Gardener* 1(3):52-53.
- T.G. Barnes**, 2002. Book Review, Wildflowers of Tennessee, *Native Plants Journal* 3:164.
- T.G. Barnes**. 2002. Gardening on the wild side: Wildflower of the Year, Great Blue Lobelia. *Central KY Home and Gardening Magazine* 4 (1):16-17.
- T.G. Barnes**. 2002. Gardening on the wild side: Good Fireside Reading. *Central KY Home and Gardening Magazine* 3 (12):9.
- T. G. Barnes and B. Washburn**. 2002. Converting Common Bermuda to Native Warm Season Grasses. *Quail Unlimited* 21(2): 12-15.
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- T. G. Barnes and B. Washburn.** 2001. Controlling Tall Fescue, Common Bermuda, and Bahia Grass. Wildland Weeds. 4(3):5-8.
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- T. G. Barnes** and P.J. Kalisz. 1994. Wild Meanderings: The Great White. *KY Afield* 51 (3):10-12.
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- Barnes, T.G.** and P.J. Kalisz. 1994. Wild Meanderings: Mourning Cloak Butterfly. *KY Afield* 50 (6):16-17.
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- Barnes, T. G.** 1994. Life Hasn't Always Been Happy For Bluebirds. pp. 10-11 in *Habitat: A Wild Hangout*, Louisville Courier-Journal Special Publ.
- Barnes, T.G.** and L.A. Madison. 1992. Tall fescue as northern bobwhite quail habitat. *Quail Unlimited* 11:30-32.
- Barnes, T.G.** 1990. Kentucky wildflowers. *KY Happy Hunting Ground* 46:16-17.
- Barnes, T.G.** 1989. Managing rabbit and vole problems in Kentucky orchards. *Proc. KY State Hort. Soc. and KY Veg. Growers Assoc. Winter Conf. and Trade Show.* 1:19-22.
- Barnes, T.G.** 1982. A project to enhance reporting of black-footed ferret sightings. U.S. Fish and Wildl. Serv. Publ., Pierre, S.D., 19 pp.
- Barnes, T.G.** and E.J. Keyser, III. 1982. Animal damage to shelterbelts in South Dakota. *S.D. Conserv. Digest* 49:16-17.

#### **AUDIO-VISUAL SCRIPTS/PRODUCTIONS**

- Barnes, T.G.** 1999. Feeding The Birds. Agric. Exten. Serv. Videotape #VFR1362
- Barnes, T.G.** 1997. Landscapes: Color Me Beautiful With Wildflowers. Slide/Tape Program (80slides, script).
- Barnes, T.G.** 1997. Landscaping For Wildlife. Slide/Tape Program (80slides, script).

**Barnes, T.G.** 1997. Gardening For Butterflies. Slide/Tape Program (80slides, script).

**Barnes, T.G.** (Executive Producer) 1996. Crossroads (An ecosystems approach to management). Agric. Exten. Serv. Videotape #VFR- 1035.

**Barnes, T.G.** (Executive Producer)1993. Managing Mole Problems. Agric. Exten. Serv. Videotape #VFR- 0629, 9:20 minutes.

**Barnes, T.G.** (Executive Producer)1993. 4-H Wildlife Habitat Evaluation Principles and Concepts. Agric. Exten. Serv. Videotape #VFR-0641, 18:00 minutes.

**Barnes, T.G.** 1990. Managing coyote problems in Kentucky. Slide/Tape Program (53 slides, cass. tape, script).

#### **WEB PAGES**

[www.kentuckysnakes.org](http://www.kentuckysnakes.org)

#### **MASS MEDIA PUBLICATIONS**

**PRESS RELEASES:** Over 50 newspaper releases covering a wide range of subjects including animal damage control, enhancing wildlife populations, and fee hunting have been distributed.

**RADIO PROGRAMS:** Over 40 radio interviews covering wildlife management and animal damage control have been distributed.

**TELEVISION PROGRAMS:** 17 television interviews on various aspects of wildlife and animal damage control have been recorded and distributed.

**NEWSLETTER ARTICLES:** Over 60 articles on wildlife-related subjects have been published in 8 different regional or national newsletters. Served as Natural Resources Newsletter editor from January 1991 through August 1991. These newsletter articles have been used by a variety of other organizations including state wildlife and extension newsletters.

#### **EXTENSION AND SCIENTIFIC PRESENTATIONS**

I have been invited by county agents and state specialists to present programs on a variety of wildlife related subjects. I have been invited and presented more than 400 educational programs. Examples include presentations for county staff on wildlife management, animal damage management, and urban wildlife management. I have worked with specialists and provided programs for sheep producers day, annual turf shortcourse, horticulture meetings, pest control meetings, etc. I have also given invited presentations to garden clubs, environmental organizations, elderhostel groups, photography workshops, and various school groups.

#### **REGIONAL & NATIONAL CONFERENCES ORGANIZED**

First Eastern Nuisance Wildlife Control Operators Shortcourse 220 attendees

Second Eastern Nuisance Wildlife Control Operators Shortcourse 180 attendees

Urban Wildlife Management 530 attendees

Bottomland Hardwood Management in the Central Hardwood Region 80 attendees

Ecosystems Management For Natural Resources Professionals in the Central Hardwood Region 300

attendees  
Native Warm Season Grass Field Days 180 attendees  
4<sup>th</sup> Eastern Native Grass Symposium 300 attendees

## **GRADUATE STUDENT COMMITTEE CHAIR**

L. Andrew Madison, Master of Science, Thesis Title: Impacts of Disturbance in Tall Fescue Dominated Fields on Northern Bobwhite Habitat, Degree completed 1994.

Richard Mauro, Master of Science, Thesis Title: Mortality and Habitat Use by Translocated Ruffed Grouse at Land Between the Lakes, Degree completed 1994.

James Lane, Master of Science, Thesis Title: The effects of a fungal endophyte on Northern Bobwhite Nutrition and Reproduction, Degree completed 1995.

Gary Raulerson, Master of Science, Thesis Title: Impacts of different silvicultural prescriptions on deer nutrition, Degree completed 1995.

M. Brian Arnett, Master of Science, Non-Thesis Option: Establishment of native warm season grasses on an Eastern Kentucky Strip Mine.

Jeffery Larkin, Master of Science, Thesis Title: A Comparison of Avian Communities Occupying Tall Fescue and Native Warm Season Grassland Habitats. Degree completed 1997.

Brian Washburn, Doctor of Philosophy, Dissertation Title: Effects of endophyte-infected tall fescue on small mammal and cottontail rabbit reproduction. Degree completed 2000.

Amy Courtney, Master of Science, Thesis Topic: Efficacy of Molexit repellent.

Marvin Ruffner, Master of Science, Thesis Topic: Using herbicides to restore native grasslands. Expected Completion date, 2003

Jeb Weese, Master of Science, Thesis Topic: Evaluation of herbicides to control Japanese honeysuckle. Expected Completion date, 2005

Matt Bahm, Doctor of Philosophy, Dissertation Topic: Converting smooth brome, reed canary grass, and quackgrass to native warm season grasses. Expected Completion date, 2008.

Marvin Ruffner, Doctor of Philosophy, Dissertation Topic: Texas Coastal Prairie Restoration. Expected Completion date, 2008.

Josh Adkins, Master of Science, Thesis Topic: Using Herbicides to Restore Bluegrass Savanna Grasslands in Central Kentucky. Expected Completion date, 2006.

Additional service on 9 master and 3 Ph.D. committees in the Department of Forestry and Department of Animal Science, 1 Ph.D. at Purdue University, Indiana.

## **PROFESSIONAL ACTIVITIES**

## MANUSCRIPT REVIEWER

The Journal of Wildlife Management  
The Wildlife Society Bulletin  
Weed Technology  
Journal of Natural Resources and Life Sciences Education  
The Journal of Range Management  
The Southeastern Association of Fish & Wildlife Agencies  
Northeast Wildlife  
The Maine Agricultural Experiment Station  
USDA Small Business Competitive Grants Program  
Purdue Sea Grant Extension Proposal 1998-2002  
National Fish & Wildlife Foundation Proposal  
Northeast Agricultural Experiment Station Multi-state Proposal  
Quail V National Quail Symposium  
North American Prairie Conference  
Wildlife Society Bulletin  
USDA-CSREES-Pest Management Alternative Research Grants  
North American Prairie Conference

## SERVICE TO THE WILDLIFE PROFESSION

COMMITTEE MEMBER, CHAIRMAN-ELECT, **CHAIRMAN**, Cooperative Extension Service, **4-H Wildlife Habitat Evaluation Program**

## THE WILDLIFE SOCIETY

Leopold Award Committee (2002 & chair in 2003)  
Program Committee 2000 **Annual Meeting (Subcommittee chair for symposium and workshops)**  
**Associate Editor, The Wildlife Society Bulletin**, 1995-97  
Program Committee 1995 **Annual Meeting (Subcommittee chair for symposium and workshops)**  
Recruiting coordinator for Kentucky, KY 1991 - present  
Jim McDonough Award Committee, The Wildlife Society, 1994  
Private Lands Committee, Southeastern Section 1992 - present

## KY CHAPTER OF THE WILDLIFE SOCIETY

**President 1993**  
President Elect 1992  
Board of Directors 1990  
Program Committee Chairman 1990,1992  
Membership, conservation affairs, and animal rights committees, 1989,1990  
**Book Review Editor**, Native Plants Journal 2001 to present  
Sustainable Forestry Initiative Third Party Auditor for Wildlife & Biodiversity, 2001  
KY Native Plant Society (Executive Board 2000-2001)  
KY Ornithological Society  
Member, Kentucky Biodiversity Council 1997-1999  
Member, Kentucky Backyard Wildlife Habitat Committee 1996  
Member, NWCO Advisory Group, KDFWR 1996-1997  
American Society of Mammalogists

Society for Range Management; National and Southern Chapters  
N.D. Natural Science Society  
Kentucky Academy of Science  
Phi Kappa Phi, Gamma Sigma Delta, and Pi Gamma Mu Honor Societies  
Association of Kentucky Extension Specialist

## **ACADEMIC/PROFESSIONAL AWARDS**

- 2003 **Listed Academic Keys Who's Who in Agriculture Higher Education**
- 2003 **Bruce & Myra Poundstone Volunteer of Year Award**, KY Chapter of The Nature Conservancy
- 2003 Ky's Last Great Places nominated in non-fiction category for **Kentucky Literary Award**
- 2001 **Research Technology Transfer Award**, Southern Forest Resource Specialists
- 2001 **Extension Publication**, Southern Forest Resource Specialists
- 2001 **Medal for Man of Year by American Biographical Institute**
- 2001 **Listed in 2000 Outstanding Intellectuals of the 21<sup>st</sup> Century, International Biographical Centre**
- 2001 **Listed in 500 Leaders of Influence, American Biographical Institute**
- 2000 **Listed in 1000 World Leaders of Scientific Influence, American Biographical Institute**
- 2000 **Commissioned a Kentucky Colonel**
- 2000 **Selected as one of 52 participants for Leadership Kentucky**
- 2000 **Listed in Leaders of Science, Technology and Engineering, American Biographical Institute**
- 1999 **Certificate of Appreciation, US Army Corps of Engineers**
- 1998 **Listed in Who's Who in America, American Biographical Institute**
- 1998 **Listed in 2000 Outstanding Scientists of the 20th Century** by International Biographical Centre, Cambridge, England
- 1998 **Award for Excellence** in Mass Media: Crossroads Video from Southern Extension Forest Resource Specialists, Athens, GA.
- 1998. **Kentucky Enrichment Award** from The Garden Club of Kentucky, Inc. •1997.
- 1997. **Listed in Who's Who in Science and Engineering, American Biographical Institute**
- 1997. **Video Excellence Award** for Crossroads presented by National Forestry Association, Washington, DC.
- 1996. **USDA Certificate of Appreciation** for service on the National 4-H Wildlife Habitat Evaluation Program, Washington, DC.
- 1996. **The Wildlife Society Conservation Education Award** in the Programs category, National 4-H Wildlife Habitat Evaluation Program (accepted award as chair of the committee), Bethesda, MD.
- 1996 Recipient of **First Annual Biodiversity Protection Award**, Kentucky State Nature Preserves Commission, Frankfort, KY.
- 1995. Listed in **Strathmore's Who's Who**
- 1995. **M.D. Whitaker Award for Outstanding Wildlife Extension Specialist** at The University of Kentucky awarded by AKES
- 1994. **Award for Excellence** in Specific Programs: Wildlife Management Manual from Southern Extension Forest Resource Specialists, Athens, GA.
- 1994. **Award for Excellence** in Program Impact: Wildlife Damage Management from Southern Extension Forest Resource Specialists, Athens, GA.
- 1994. **Agricultural Communicators in Education Critique and Awards** Program, First place award, Technical writing: FOR 63, Biodiversity, Frankfort, KY.
- 1994. Kentucky Association of Government Communicators **Blue Pencil Award**, First Place: FOR 63, Biodiversity, Frankfort, KY.
- 1993. IABC-Lexington, **Bronze Quill Award of Excellence for Technical writing:** Private Lands

- Wildlife Management Communicators in Education Critique and Awards Program, Second place award, Technical writing: Private Lands Wildlife Management, Lexington, KY.
- 1993. Kentucky Association of Government Communicators **Blue Pencil Award**, First Place in Book for Technical or Professional Audience: Private Lands Wildlife Management, Frankfort, KY.
  - 1992. IABC/PRSA **Landmarks of Excellence Gold Award for Technical writing**: Private Lands Wildlife Management, Frankfort, KY.
  - 1992. **Outstanding New Extension Specialist**, Association of Kentucky Extension Specialists
  - 1984. U.S. Jaycees **Outstanding Young Men of America**
  - 1984. Selected as faculty participant in **The Dakota Writing Project**
  - 1979. **Who's Who** in American Colleges and Universities
  - 1979. **International Youth in Achievement**
  - 1979. Huron College **Dean's Award for Outstanding Service** to the College
  - 1975-1979. **National Dean's List**
  - 1975-1979. Huron College **Dean's List**
  - 1975. Colleges of Mid America **Honors Seminar** Recipient

## **SERVICE TO THE UNIVERSITY AND COMMUNITY**

### **UNIVERSITY**

#### **•MEMBER**

- University Promotion and Tenure Committee
- Arboretum Walk Across Kentucky Committee
  - Interview Committee - Ecological Curator Position, Arboretum
  - Gamma Sigma Delta Audit Committee 1995 (Chair 1996)
- Association of Kentucky Extension Specialists
  - Board of Directors, 1992-94
- Graduate School Outside Doctoral Defense Representative, Geography
- MEMBER, UK College of Agriculture County Extension Program Review Committee (Knott & Perry Counties)
- MEMBER, UK College of Agriculture Search Committee for 4-H environmental specialist
- MEMBER, AKES Awards Committee, 1996
- MEMBER, UK College of Agriculture Task Force on Animal Rights and Animal Welfare
- FORESTRY FACULTY REPRESENTATIVE, College of Agriculture Phonathon
- FORESTRY FACULTY REPRESENTATIVE, Ag Roundup, Rotary Club Day, Farm Bureau Day
- FORESTRY FACULTY REPRESENTATIVE, My New Kentucky Home Tour: A Tour of the Commonwealth for New Faculty
- CHAIRMAN, WILDLIFE RESOURCES, Kentucky Rivers Assessment, National Park Service and Kentucky Division of Water
- FORESTRY FACULTY REPRESENTATIVE, A Major Affair, A university wide program for undecided students
- DEPARTMENTAL REPRESENTATIVE,
  - Ad hoc committee chair, Departmental Retreat
  - Past Chairman, Safety Committee
  - United Way
  - Search Committee for Recreation Extension Specialist faculty position
  - Search Committee for Restoration Ecologist faculty position
  - Search Committee for Social/Policy Human Dimensions faculty position
  - Search Committee for Extension Wood Products faculty position
  - Search Committee for Wildlife faculty position

Search Committee for Herbarium Curator position  
Faculty Evaluation Committee, twice  
Ad Hoc National Biological Survey Committee

**COMMUNITY**

- PAST MEMBER, Science Advisory Board, McConnell Springs
- MEMBER, Science Advisory Board, Living Arts and Science Center
- PAST JUDGE, Lexington Public School Annual Science Fair
- PAST MEMBER, Raven Run Advisory Board
- PAST MEMBER, Board of Directors, Buckley Hills Audubon Society
- PAST PRESIDENT, Buckley Hills Audubon Society
- PAST MEMBER, Lexington Lions Club
- PAST CABINET SECRETARY, District 43C, Kentucky Lions