

VITA
RONALD E. MASTERS
October 2007

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VITA
RONALD E. MASTERS

CONTACT INFORMATION

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EDUCATION

Ph.D. in Wildlife & Fisheries Ecology, 1991. *Phi Kappa Phi.* Oklahoma State University, Stillwater, Oklahoma. Dissertation: Effects of timber harvest and prescribed fire on wildlife habitat and use in the Ouachita Mountains of eastern Oklahoma. Major Advisor: Dr. Jim Shaw.

M.S. in Wildlife Biology, 1978. *Beta Beta Beta.* Abilene Christian University, Abilene, Texas. Thesis: Population characteristics of white-tailed deer (*Odocoileus virginianus*) in Taylor County, Texas: an analysis of hunter kill and census data. Major Advisor: Dr. F. M. Churchill.

B.S. in Wildlife & Fisheries Science, 1976. University of Tennessee, Knoxville, Tennessee. The Wildlife Society, Society of American Foresters, Audubon Society.

B.S. in Forestry, 1974. University of Tennessee, Knoxville, Tennessee. Ag-Alumni Scholarship, The Wildlife Society, Society of American Foresters, Audubon Society.

LICENSES, CERTIFICATIONS AND BOARDS

Certified Wildlife Biologist, 1997-present. Certification Review Board, The Wildlife Society.

Certified Forester, 2002-present. Certification No. 1566. Certification Review Board, Society of American Foresters.

Registered Forester, 1991-present. License No. 168, State of Oklahoma, State Board of Registration for Foresters.

Prescribed Burn Certification, 2002-present. Certificate No. 1731, State of Georgia, Georgia Forestry Commission.

Board Member – Oklahoma State Board of Registration for Foresters, 1999-2001. Appointed as a member of the board by the Governor of Oklahoma. Confirmed May 1999.

EXPERIENCE

Director of Research, Tall Timbers Research Station, Tallahassee, FL, January 2002 – Present. Coordinates and administrates research division activities and integrates with institutional components of Land Conservancy, Development and Information Resources. Responsible for coordination of strategic planning within the Research Unit and assisting with development/revision of the institutional strategic plan. Provide guidance for staff scientists, staff biologists, visiting scientists research programs and Lands Management with respect to fire ecology, wildlife habitat relationships, ecological forestry, community ecology, game bird ecology and land management. Administrate and supervise Research, Land Management and Facilities annual budget development, development of annual work plans and quarterly activities reporting. Conduct annual performance evaluations for Research, Land Management and Facilities personnel. Coordinate long-term research and land management planning on Station managed properties, including annual summaries of weather station data on managed properties. Review all scientific publication submissions. Coordinate library acquisitions and work with development of the Fire Ecology Database. Develop personal research program related to fire ecology, forestry, plant and wildlife community dynamics. Teach sections of professional development courses for National Prescribed Fire Training Center (NIFC), Florida Fish and Wildlife Conservation Commission Prescribed Fire Training Course (through Hillsboro College), U.S. Forest Service Program of Advanced Studies in Silviculture and Fire in Ecosystem Management for the Natural Resources Conservation Service (NRCS). Maintain adjunct Associate Professor status at collaborating Universities (Auburn University and Oklahoma State University) and serve on graduate committees. Act as liaison for the fire ecology research and management community as representative for the Southeast Fire Ecology Partnership. Organize or oversee organization of Tall Timbers Fire Ecology Conferences and work with the Steering Committee of the International Fire Ecology and Management Congress. Actively participate in the promotion of prescribed burning through the SW Georgia Prescribed Fire Council and the North Florida Prescribed Fire Councils. Responsible for directing long-term planning for campus facilities and infrastructure development. Oversee space allocation among units. Develop annual facilities maintenance schedule and oversee major facilities projects, permitting, engineering and construction and other capital improvement projects. Prepare quarterly activity reports for Board of Trustees and Science and Land Management Committee and Facilities and Grounds Committee. Organize the quarterly meeting agenda for the Science and Land Management Committee and make presentations to this Committee and Board of Trustees. Hold bi-monthly Research Unit meetings. Administrative 60%, research 25%, extension 15%.

Forestry and Wildlife Consulting, Blue Mountain Forestry and Wildlife Consulting, 1988-present. Cruise and estimate timber volume and market value on private lands (until 1991). Contract research with U.S. Forest Service related to fire ecology and effects of timber management and fire on various wildlife species and forest composition. Assessment and monitoring of wildlife populations and habitat conditions. Estimation of wildfire damage to trees, expert witness in litigation involving diminution of value to trees and wildlife related to wildfire. Assessment of value to trees killed through right-of-way management programs.

Associate Professor of Forestry and Wildlife Extension Specialist, Oklahoma State University, July 1, 1996 – January 2002. **Adjunct Associate Professor of Wildlife Ecology**, July 1, 1996 – January 2002. Program coordinator for Forestry, Wildlife and Aquaculture Extension, Chair Extension Operations Committee. Program leader for Extension Wildlife Ecology. Responsible for developing a coordinated program with RREA position, Extension Forestry, Range and the Bollenbach Chair in Wildlife Ecology. Develop statewide wildlife extension program, assist in forestry extension programming and develop

educational and informational program materials. Provide technical assistance to landowners on wildlife, forest and range management through individual contacts and in landowner workshops. Provide in-service training to county extension staff related to wildlife management, forest management and wildlife damage control. Handle public information requests related to wildlife, forestry and fisheries. Lead efforts on wildlife management on private lands and economic development related to lease hunting in Oklahoma. Direct 4-H Wildlife Youth program and work with Youth Forestry and Wildlife Camp. Maintain cooperative wildlife and forestry research and management efforts with Oklahoma Cooperative Wildlife Research Unit, Oklahoma Department of Wildlife Conservation, U.S. Forest Service, and Oklahoma Department of Agriculture Forestry Services. Develop applied interdisciplinary research program in forestry, range science, wildlife ecology and fire ecology. Member of Graduate Faculty, supervise graduate student projects. Appointment 75% extension, 25% research.

Assistant Professor of Forestry and Wildlife Extension Specialist, Oklahoma State University, July 1, 1991 - June 30, 1996. **Adjunct Assistant Professor of Wildlife Ecology**, September 1994 - June 30, 1996. Develop statewide wildlife extension program, assist in forestry extension programming and develop educational and informational program materials. Provide technical assistance to landowners on wildlife, forest and range management through individual contacts and in landowner workshops. Provide in-service training to county extension staff related to wildlife management, forest management and wildlife damage control. Handle public information requests related to wildlife, forestry and fisheries. Lead efforts on wildlife management on private lands and economic development related to lease hunting in Oklahoma. Work with 4-H youth programs. Act as liaison with Zoology Department, State Wildlife Department, U.S. Fish and Wildlife Service, and other natural resource management agencies. Appointment 100% extension.

Regional Forest Wildlife Biologist, Oklahoma Department of Wildlife Conservation, March, 1982 - June, 1991. Responsible for the development, coordination and planning of forestry and wildlife research and management projects within the Southeast Region. Coordinate and compile Regional and Federal Aid budgets. Project leader for eastern wild turkey population monitoring, restoration, and harvest projects; coordinate statewide turkey data collection, management efforts, analyze data, and write annual PR reports. Project leader for Forest Wildlife Technical Assistance Program and Pushmataha Forest Habitat Research Project. Project assistant for Deer Management Project and Wildlife Disease Monitoring Project. Provide technical assistance to 15 Wildlife Management Areas; also serve as Area Manager of Robbers Cave Wildlife Management area. Organize and plan forest management on Wildlife Management Areas, cruise and mark timber, assess timber damages related to oil exploration and development, conduct timber sales, organize regeneration efforts and serve as regional Prescribed Burning Coordinator. Provide technical assistance to private landowners, U.S. Forest Service prescription reviews, U.S. Fish and Wildlife Service, U.S. Bureau of Land Management, U.S. Bureau of Indian Affairs, U.S. Department of Defense, U.S. Army Corp of Engineers, Oklahoma Division of Forestry and other agencies on forestry and wildlife related issues, review Environmental Assessments and other project documents. Supervise turkey trapping crews, survey cooperators, deer check station operators, and area helpers. Conduct censuses of dove, quail, turkey, deer, and furbearers. Conduct research on the red-cockaded woodpecker. Assist with research projects on forest and range management practices and effects on wildlife. Assist with telemetry studies of eastern wild turkey, otters, and wood duck trapping and banding project.

Wildlife Officer, Tennessee Wildlife Resources Agency, November 1979 - February 1982. Performed comprehensive wildlife and fish management activities in Chester County and served as Area Manager of

Chickasaw Wildlife Management Area. Conducted routine patrol of county and other areas to ensure compliance with State and Federal Wildlife Laws. Arrest and prosecute violators. Perform mast and browse surveys, conduct game bag check survey, monitor and model deer herd population dynamics, collect abomasum samples from deer, work with District Forester on forest management and stand scheduling on Wildlife Management Area. Work in wildlife damage control, wood duck nesting project, and farm pond management. Teach hunter safety classes and work with county 4-H program.

Research Assistant, Texas Tech University (through Abilene Christian University), 1978. Monitor rain gauges, collect sediment and run chemical analysis on sediment as part of a watershed study to determine the effects of prescribed burning and range improvement practices. Assist in vegetation sampling on study area.

Teaching/Lab Assistant, Abilene Christian University, January to May 1978. In advanced Wildlife Biology Course, directed lab in monitoring bobwhite quail seasonal population dynamics and taught section on population dynamics.

Wildlife Instructor, University of Tennessee, Cooperative Extension Service, summer 1974 and 1975. Plan and teach outdoor education classes in basic Wildlife Ecology and Forestry at summer 4-H District Camp.

Research Assistant, Forestry Department, University of Tennessee (through Tennessee Wildlife Resources Agency), September 1975. Monitor fee dove hunts, survey hunters on hunt quality, collect data on crops, hunter success and weather.

Program Assistant, Forestry Department, University of Tennessee, seasonal 1974 and 1975. Conducted bobwhite quail census work on Ames Plantation.

Program Assistant, Wildlife Extension, Forestry Department, University of Tennessee, seasonal 1973 and 1974. Bobwhite quail and rabbit farm game census work across Tennessee. Planted wildlife food plots on Wildlife Demonstration Farms, and constructed bluebird nest boxes.

Program Assistant, Forestry Department, University of Tennessee, summer 1974. Calculate sums of squares, standard deviations in Least Mean Square Analysis of ongoing forestry research.

Research Assistant, Ecology Program, University of Tennessee, January to June 1973. Cover type mapping of Great Smokey Mountain National Park based on CCC quad maps. Create overlays and make comparisons with ERTS satellite imagery of different wavelengths for correlation with forest cover types.

HONORS AND AWARDS

Award for Excellence in Technology Transfer-External, 2007 - U.S. Forest Service Regional Forester - Honor Award. In recognition of dissemination of research and management results by a team of scientists and managers on the Pine-bluestem Restoration Project related to restoration and management of pine-bluestem habitats on the Ouachita National Forest, Arkansas from 10/2005 to 9/2007.

Wings Over America Award, 2005 – U.S. Forest Service Award, presented at the North American Wildlife and Natural Resources Conference March 17, Arlington, VA. In recognition of research and work on the Pine-bluestem Restoration Project related to songbirds and Northern bobwhite on the Ouachita National Forest, Arkansas from 1992 to 2004.

National Fire Plan Award – Excellence in Collaboration, 2005 – Presented at the National Fire Plan Meeting February 15-19, Albuquerque, NM. In recognition of collaborative efforts of the Southeast Fire Ecology Partnership at Tall Timbers Research Station. Included efforts in Fire Management Training courses, FRCC model development, and collaborative efforts in research, management and training in Fire Ecology.

Award of Appreciation, 2001 – Oklahoma Chapter, The Wildlife Society in appreciation and recognition for management, research and extension efforts in the field of Wildlife Management in Oklahoma and to the chapter from 1982-2001.

Award for Excellence, 1999 - Southern Extension Forest Resource Specialists for Exceptional Programming in the area of Extension Publication or Series for "Forest Stewardship Wildlife Notes."

Phoenix Award Finalist, 1999 – The OSU Graduate Student Association recognizes the outstanding graduate faculty member. Each year 3 finalists are chosen from those faculty members recommended by graduate students.

MVP Award, 1997 - Marketing and Visibility Program Award from Oklahoma Cooperative Extension Service, "Caring for Planet Earth Program." Received award for marketing efforts and program visibility for work in 4-H and other youth education programming efforts.

State Group MVP Award, 1996 - Marketing and Visibility Program Award, Honorable Mention - from Oklahoma Cooperative Extension Service, "Caring for Planet Earth Program." Received award for youth education programming efforts.

Certificate of Appreciation, 1996 - Awarded by the President of the Oklahoma Chapter, The Wildlife Society at the Annual Technical Meeting for work on organizing the annual meeting and taking a leading role as president-elect to carry out the presidents duties when unavailable.

Xi Sigma Phi, 1995 - Nominated and inducted into the National Forestry Honor Society.

Certificate for Environmental Achievement, 1994 Awarded by The National Awards for Environmental Sustainability - for "Caring for Planet Earth" an educational computer program on Forestry, Wildlife, and Water quality developed by a team of extension specialists.

Outstanding Forestry Communication Award, Best Publication for 1993. Awarded by National Woodland Owners Association - for "Oklahoma's Threatened and Endangered Species."

Award for Development of Agronomic Educational Materials - Best Educational Publications Category 1993. Awarded by The American Society of Agronomy - for the fact sheet "Riparian Forest Buffers."

Environmental Achievement Award 1993, Awarded by The National Environmental Awards Council - Awarded for "Caring for Planet Earth" an educational computer program on Forestry, Wildlife, and Water quality developed by a team of extension specialists.

Directors Award, Oklahoma Department of Wildlife Conservation, 1991. For work in forestry and wildlife management, and for research and management efforts on the red-cockaded woodpecker and the McCurtain County Wilderness Plan, Implementation Plan and Environmental Assessment.

Phi Kappa Phi, Honor Society, 1991. Graduated in top 10% (GPA) of all graduate students.

Turkey Strutting Award, for work in turkey management. S.E. Region, Game Division, Okla. Dept. Wildl. Cons., 1990.

Professional of Year, S.E. Region, Game Division, Okla. Dept. Wildl. Cons., 1989.

Outstanding Young Men of America, 1982.

4-H Service Award, for outstanding service as a 4-H volunteer Adult leader, 1981.

Beta Beta Beta - National Biology Honor Society, 1978.

PROFESSIONAL AFFILIATIONS

The Wildlife Society, Southeast Section, & Florida Chapter. (TWS since 1975)

Society of American Foresters, Southeast Section & Florida Chapter. (SAF since 1975)

Oklahoma Academy of Science. (Member since 1989)

Association of Fire Ecologists (Member since 2005)

Southeastern Association of Naturalists (Member since 2005)

Southeast Fire Ecology Partnership, Tall Timbers Research Station, (Member since 2003).

Oklahoma Ornithological Society (1991-2002).

PROFESSIONAL ACTIVITIES

NATIONAL AND REGIONAL CONFERENCES, SYMPOSIA AND WORKSHOPS ORGANIZED

Steering Committee Member, 4th International Fire Ecology and Fire Management Congress, November 30-December 3, 2009. Savanna, GA.

Steering Committee Member, 3rd International Fire Ecology and Fire Management Congress, November 13-17, 2006. San Diego, CA.

Chair and proceedings editor, 23rd Tall Timbers Fire Ecology Conference. October 17-20, 2005. Bartlesville, OK.

Chair, 2nd International Fire Ecology and Fire Management Congress and 5th Symposium on Fire and Forest Meteorology, November 16-20, 2003, Orlando, FL.

Chair, National 4-H Wildlife Habitat Evaluation Program - National Committee, 2000-2002. Organized National contests 2001 & 2002.

Co-chair, Prescribed Fire Session, 61st North American Wildlife and Natural Resources Conference, March 1996, Tulsa, Oklahoma.

Co-chair and Proceedings co-editor, 12th Great Plains Wildlife Damage Control Workshop Planning Committee - plan and organize workshop for 1995.

Member, 11th Great Plains Wildlife Damage Control Workshop Planning Committee - assist with planning and organization of workshop, 1993. Also served as session moderator.

SERVICE ACTIVITIES

Book Review Editor, Journal of Wildlife Management, The Wildlife Society, 2006.

Advisory Board, Department of Forestry, Wildlife and Fisheries, University of Tennessee, 2002-present.

Advisory Board, School of Forestry, Auburn University, 2002-present.

External Reviews – Promotion and Tenure

University of Kentucky

Texas A&M

Auburn University

Iowa State University – 2006

University of Tennessee – 2007

Member, Awards Committee, Florida Chapter, The Wildlife Society, 2004-present.

Member, North Florida Prescribed Fire Council, 2002-present.

Member, Southwest Georgia Prescribed Fire Council, 2003-present.

Manuscript Reviewer –

American Midland Naturalist – 2002, 2006
Arkansas Academy of Science – 2001, 2002
Journal of Biogeography – 2007
Journal of Mammology – 2001, 2002
Journal of Range Management – 1994, 1995, 1999
Journal of Wildlife Management – 1989, 1992, 1994-95, 1998-99, 2004, 2005, 2007
Natural Areas Journal – 2007
National Park Service Transactions and Proceedings Series – 1994
Oklahoma Academy of Science – 1998, 2001, 2004
Proc. of the S.E. Assoc. of Fish and Wildl. Agencies – 1992-94, 1996-97
Shortleaf Pine Symposium – General Technical Report – 2006
Southern Journal of Applied Forestry – 1992
Southeastern Naturalist – 2005
Tall Timbers Fire Ecology Conference Proceedings – 2006, 2007
Wildlife Society Bulletin – 1992, 1996, 1998-2003

Stakeholder Advisory Group, Joint Fire Sciences Program, 2002-2003.

Proposal Reviewer

Joint Fire Sciences Program – 2003
Florida State Wildlife Grants – 2005-6
National Science Foundation – 2007
National Fish and Wildlife Foundation - 2007

Chair, National 4-H Wildlife Habitat Evaluation Program -

National Committee, 2000-2002. Organized National contests 2001 & 2002.

Member, Oklahoma State Board of Registration for Foresters – 1999-2001.

Chair-elect, National 4-H Wildlife Habitat Evaluation Program -

National Committee, 1998-2000.

Chairman Awards Committee – Oklahoma Chapter, The Wildlife Society, 1998-2001.

Editor, *The Grapevine*, newsletter of Oklahoma Chapter, The Wildlife Society, 1997-98.

Past-President, Oklahoma Chapter - The Wildlife Society, 1997-98.

President, Oklahoma Chapter - The Wildlife Society, 1996-97.

President-elect, Oklahoma Chapter - The Wildlife Society, 1995-96.

Chairman of Audit Committee for the Wildlife Damage Working Group of The Wildlife Society, 1994-95.

Treasurer, Oklahoma Chapter, The Wildlife Society, 1993-95.

Vice-chair, Secretary/Treasurer Great Plains Agricultural Council Wildlife Committee, 1993-95.

Member Great Plains Agricultural Council Wildlife Committee, 1992-95.

Member Executive Board, Oklahoma Chapter, The Wildlife Society, 1986-87, 1991-92.

The Wildlife Society representative to Southeast Wild Turkey Committee 1985-1991.

Chairman, Resolutions and Public Statements Committee, Oklahoma Chapter, The Wildlife Society, 1992-93.

Chairman, Education Committee, Oklahoma Chapter, The Wildlife Society, 1991-92.

Member, Timber Practices Committee, Oklahoma Chapter, The Wildlife Society, 1988-90.

Chairman, Timber Practices Committee, Oklahoma Chapter, The Wildlife Society, 1985-87.

National Wild Turkey Federation - Technical committee, 1982-1991.

State representative (Okla. Dept. Wildl. Cons.) to Forest Resources Technical Committee of Southeastern Association of Fish and Wildlife Agencies, 1985-1991.

State representative (Okla. Dept. Wildl. Cons.) to Wild Turkey Technical Committee of Southeastern Association of Fish and Wildlife Agencies, 1982-1991.

UNIVERSITY ACTIVITIES

Adjunct Associate Professor of Natural Resource Ecology & Management, Oklahoma State University, 2007.

Affiliate Associate Professor of Wildlife Ecology, School of Forestry, Auburn University, 2002-2007.

Adjunct Associate Professor of Forestry and Wildlife Ecology, Department of Forestry, Department of Zoology, Oklahoma State University, 2002-2006

Graduate Student Committee Member, University of Central Florida, Orlando, FL. 2006-07

Full Member, Graduate Faculty, Oklahoma State University (OSU) 1995-2002.

Committee Chair –Department of Forestry Extension Operations Committee, OSU, 2001.

Committee Chair –Department of Forestry Committee on Marketing and Long Term Planning for Undergraduate Recruitment, OSU, 2001.

Committee Chair Department of Forestry Committee on Extension Unit Planning, OSU, 2001.

Faculty Advisor, Xi Sigma Phi, Forestry Honor Society, OSU, 2001.

Review Team Chair – for Abilene Christian University, Biology Department program review 1999.
Review Team Member, 1998 & 2000.

Faculty Advisor, Forestry Club, OSU, 1999-2000.

Search Committee Member - for Wood Products Teaching/Extension Position, OSU, 1999.

Search Committee Member - for Forestry Research Specialist, OSU, 1999.

Search Committee Chair – for Assistant Extension Natural Resource Specialist, RREA position, OSU, 1998-99.

Jr. Faculty Advisor, Forestry Club, OSU, 1998.

Member and University Representative, National Association of University Fisheries and Wildlife Programs (NAUFWP), OSU, 1994-2001.

Member, State Committee on Threatened and Endangered Species, 1991-2001.

Member, State Technical Committee on Farm Bill, 1996-2001.

Member, Cedar Ecology Working Group, 1992-98.

Review Team Member – for USFS Southern Forest Experiment Station 5 year research review, 1998.

Search Committee Member - for Teaching/Extension Wood Products position 1998.

Search Committee Chair - for State Extension Forester position, 1997-98.

Search Committee Chair - for Bollenbach Chair in Wildlife Ecology, 1996-97.

Member, Riparian Management Committee, 1995-97.

Member, Water Quality Committee, 1991-97.

Associate Member, Graduate Faculty, 1992-95.

Faculty Advisor, Conservation Awareness Symposium "Restoration Ecology" hosted by students in Natural Resource Management, 1995.

Teaching/Faculty Interaction -

Forestry 4500 (Special Problems) - independent study course in area of special interest chosen by instructor and student. One student Fall 1993, Spring 1999.

Forestry 4550 (Special Problems) - independent study course in area of special interest chosen by instructor and student. One student Spring 1995.

Forestry 5030 (Special Problems) - independent graduate level special problems study course to investigate problem in area of special interest chosen by instructor and student. Two students Summer 1993. One student Summer 1994, Spring 1999, Fall 1999, Summer 2001.

Forestry 5030 (Special Problems) - independent graduate level special problems study course - Forest Administration and Policy, specific to wildlife administration and policy. One student Fall 1996.

Zoology 4700 (Special Problems) - independent study course in cataloging and referencing herbarium specimens. One student Fall 1995.

English 3323 (Technical Writing) - served as Technical Consultant for one student Fall 1992, one student Fall 1993, two students Fall 1994, one student Fall 1995, one student Fall 2000.

Forestry 5030 (Wildland Fire) - graduate level team taught 3 hour course on fire behavior and fire ecology. Lectures (1/3) covered fire history and culture, fire effects and ecology in southeast oak-pine forests, fire effects on wildlife ecology, fire behavior and modeling, prescribed fire planning and implementation, and smoke management. Spring 1997 and 1999.

Guest lecturer in the following courses:

Environmental Science 5300 (Environmental Problem Solving) - gave 3 hours of lecture on National Environmental Policy Act (NEPA) process, consultation under Endangered Species Act, overlaying each under the National Forest Management Act. Presented case study of management for an endangered species on a wilderness area and ecosystem restoration. Spring 1996 and 1998.

Forestry 4443 (Forest Administration and Policy) - discussion leader on Endangered Species Act - Policy Implications, all Spring Semesters, 1992-98.

Forestry 3213 (Forest Ecology) - gave lectures on Forest and Fire Ecology in Oklahoma (1 hour) and Forest Ecology and Endangered and Threatened Species (1 hour), Fall 1993.

Forestry 3223 (Silviculture) - lecture on Effects of Silvicultural Practices on Wildlife (1 hour), Spring 1992; guide 1-day (12hrs) field trip and give lecture on Silvicultural Practices and Wildlife Habitat Relationships. Spring Semesters 1994-2001.

Forestry 4333 (Forest Resource Management Plans - capstone course) acted as student team mentor, consultant and evaluator on forest management plan development. Spring Semesters 1992, 1994-2001.

Agronomy 5954 (Range Vegetation Management) - guide 1½ day field trip and give lectures on use of fire for forest management and range vegetation management, guide class in prescribed burning exercises. Spring semesters 1998-99.

Rangeland Ecology and Management 4500 (Prescribed Burning) - guide 1½ day field trip and give lectures on use of fire for forest management and range vegetation management, guide class in prescribed burning exercises. Spring semesters 2000-01.

Zoology 4513 (Wildlife Management) - gave lecture on The Role of Wildlife Extension in Wildlife Management, Spring 1995. Gave lecture on Experimental Design, Spring 2000.

Zoology 4523 (Wildlife Management Techniques) - during weekend field trip (2 days) to Pushmataha Forest Habitat Research Area, field lecture on wildlife habitat management practices, guided class on vegetation sampling exercise, conducted deer spotlight counts, and prescribed burning. Fall Semesters 1993-97.

Zoology 5010 (Endangered Species Colloquium) - gave lecture on Fire Ecology and The Red-cockaded Woodpecker. Spring 1993.

Zoology 5563 (Woodland Wildlife Ecology) - gave 2 1/2 hour lecture on Fire Ecology and Effects on Wildlife Habitat Relationships, Fall 1992; 2 hour lecture on Forest Wildlife Ecology and Fire Ecology in the Ouachita and Ozark Highlands, Fall 1996; 3 hour lecture on Forest Management Practices, Biodiversity, and Ecosystem Management and Restoration. Fall 1998 & Fall 2000.

Graduate Students -

Committee Chairman for:

Chris Wilson, M.S. in Environmental Sciences, 1994. Breeding Birds and Vegetation Response to Ecosystem Restoration. Oklahoma State University, Stillwater. Chris was the 1993-94 recipient of the Department of Forestry's *Afanasiev Award* for outstanding graduate students. He received the Graduate School *Research Excellence Award*, Spring 1994. He was also a *finalist for the 1994 Phoenix Award*.

Scott Kreiter, M.S. in Environmental Sciences, 1995. Dynamics and Spatial Pattern of a Virgin, Old-growth Hardwood-pine Forest in the Ouachita Mountains, Oklahoma, from 1896 to 1994. Oklahoma State University, Stillwater.

Jeff Sparks, M.S. in Environmental Sciences, 1996. Growing Season versus Dormant Season Fire Behavior and Effects on Vegetation in the Ouachita Mountains, Arkansas. In 1995, Jeff received the Department of Forestry's *Afanasiev Award* for outstanding graduate students and the *Dean's Tuition Waiver* for outstanding graduate students. He received the Graduate School *Research Excellence Award*, Fall 1996.

Stephanie Farley, M.S. in Environmental Sciences, 1997. Landscape Linkages and Riparian Changes in Central Oklahoma. Oklahoma State University, Stillwater.

Montie Stewart, M.S. in Environmental Sciences, 1999. Nesting Habitat and Habitat Use of Eastern Wild Turkey Hens in Southeastern Oklahoma. Oklahoma State University, Stillwater.

Steve Ditchkoff, Ph.D. in Wildlife Ecology, Spring 2000 (co-advisor Lochmiller). Honest advertisement in male white-tailed deer: evidence for the handicap hypothesis. Ph.D. Thesis, Oklahoma State University, Stillwater.

David Nicholson, M.S. in Wildlife and Fisheries Ecology, 2000. Implications for the Influence of Capture Stress on Selected Demographics in Eastern Wild Turkey Hens. Oklahoma State University, Stillwater. Committee member until became chair following death of major advisor.

Doug Cram, M.S. in Forestry, 2001. Effects of Pine-grassland Restoration on Northern Bobwhite Habitat and Populations. Oklahoma State University, Stillwater. In 1999, Doug received the Department of Forestry's *Afanasiev Award* for outstanding graduate students. Doug earned this award *again in Fall 2000*. In 2001, Doug was one of 3 *finalist* chosen for the OSU Graduate Student Association *Phoenix Award* for outstanding graduate students. He received the Graduate School *Research Excellence Award*, Spring 2001.

Esther Key, M.S. in Environmental Science, 2003. An Ecological Assessment of Central Oklahoma Golf Courses in Conjunction with the State Avian Conservation Plan. Oklahoma State University, Stillwater.

Committee Member for:

Jon Boren, Ph.D. in Range Science, 1995. Landscape Structure and Change in a Hardwood Forest-tallgrass Prairie Ecotone. Oklahoma State University, Stillwater.

Tania Criner, M.S. in Environmental Sciences, 1996. Landscape Composition and Structural Change on a Prairie-Hardwood Forest Ecotone in Northeast Oklahoma. Oklahoma State University, Stillwater.

John Couch, Ph.D. in Environmental Sciences, 1996. Landscape Level Patterns in Breeding Bird Distributions in the Higher Elevations of the Western Ouachita Mountains and a Landscape Level Approach to Conservation Management. Oklahoma State University, Stillwater.

Jason Pike, M.S. in Wildlife and Fisheries Ecology, 1997. Status and Ecology of the Puma in Oklahoma. Oklahoma State University, Stillwater. Oklahoma State University, Stillwater.

Bruce Smith, Ph.D. in Botany, 1997. Floristic Investigations of the Flora of Oklahoma. Oklahoma State University, Stillwater.

John James, M.S. in Wildlife Ecology, 1998. Management of Wildlife Related Power Outages in Electrical Substations. Oklahoma State University, Stillwater.

Heather Wilson, M.S. in Wildlife and Fisheries Ecology, 1999. The Calling Behavior of Northern Bobwhite Males. Oklahoma State University, Stillwater.

Lori Nicholson, M.S. in Wildlife and Fisheries Ecology, 2000. Habitat Use by Mesocarnivores in Southeastern Oklahoma. Oklahoma State University, Stillwater.

Darrell Townsend, M.S. in Wildlife and Fisheries Ecology, 2000. Improving Management for Bobwhite Quail: Re-evaluation of Movements, Group Dynamics, Habitat, and Feeding Ecology. Oklahoma State University, Stillwater.

Rob Chapman, M.S. in Plant and Soil Sciences, 2000. Characteristics of Avian Habitat Within the Southern Mixed Prairie of Northwestern Oklahoma. Oklahoma State University, Stillwater.

Eric Webb, M.S. in Wildlife and Fisheries Ecology, 2000. Limitations in Essential Amino Acid Nutrition in Cotton Rats (*Sigmodon hispidus*) in Oklahoma. Oklahoma State University, Stillwater.

Linda Ilse, Ph.D. in Wildlife and Fisheries Ecology, 2001. Porcupines, Pinyon Pines, and Pine Engraver Beetles: Multitrophic Interactions in Pinyon-Juniper Woodlands of Texas. Oklahoma State University, Stillwater.

Raelene Crandell, M.S. in Botany, 2003. Vegetation of the Pushmataha Wildlife Management Area, Pushmataha County Oklahoma. Oklahoma State University, Stillwater.

Russ Walsh, M.S. in Forestry, 2004. Northern Bobwhite Habitat Use in Pine-bluestem Habitats. Oklahoma State University, Stillwater.

Jeff Lusk, Ph.D. in Zoology, 2004. Northern Bobwhite Abundance in Relation to Climate, Weather and Land-use in Arid and Semi-arid Areas: A Neural Network Approach. Oklahoma State University, Stillwater.

Rob Holtfreiter, M.S. in Wildlife Ecology, IN PROGRESS. White-tailed deer Movements in Relation to Age, Body Weight and Antler Development. Auburn University, Auburn

Claudia Listopad, Ph.D. in Conservation Biology, IN PROGRESS. Landscape scale estimation of forest structure and composition using lidar, radar and high resolution imagery. University of Central Florida, Orlando, FL.

ADDITIONAL TRAINING

U.S. Fish and Wildlife Service, Colorado State University, and University of Oklahoma, A Short Course in Non-parametric Statistics for Biologists. University of Oklahoma, Norman, 1984.

U.S. Fish and Wildlife Service and Oklahoma State University, Wildlife Disease Workshop, Oklahoma State University, Stillwater, 1989.

U.S. Fish and Wildlife Service and University of Missouri, Wetland Management Workshop, Fountainhead Resort and State Park, Okla., 1990.

U.S. Forest Service, Wildlife Biologists Training Workshop, Hot Springs, Ark., 1990.

U.S. Forest Service, Completed Basic S-130 and Intermediate Level Fire Course S-190, at training workshop, Heavener, Okla., 1991.

U.S. Forest Service, Wildlife Biologists Training Workshop, Fort Smith, Ark., 1992.

Georgia Department of Natural Resources, Division of Forestry, Prescribed Burn Certification Course, Thomas University, Thomasville, GA, 2003

GRANTS RECEIVED

\$8,000 - Spring 1992, OSU Curriculum Innovation Grant, for development of *Field Guide to Range and Forest Understory Plants of Oklahoma and Their Value to Wildlife*.

\$11,712 - May 1992, U.S. Forest Service Challenge Cost-Share Grant, for "Effects of Midstory Vegetation Removal and Fire on Song Birds and Plant Community Composition in Red-cockaded Woodpecker Clusters."

\$1,000 - September 1992, Grant from The Oklahoma Chapter of The Nature Conservancy toward publication costs of the booklet *Oklahoma's Endangered and Threatened Species*.

\$4,000 - September 1992, Forest Stewardship Grant for development of "Forest-Wildlife Fact Sheets."

\$9,350 - September 1992, Forest Stewardship Grant for program development and continuance of Forest-Wildlife Management Demonstration Projects.

\$1,000 - December 1992, U.S. Forest Service Challenge Cost-Share Grant, additional for "Effects of Midstory Vegetation Removal and Fire on Song Birds and Plant Community Composition in Red-cockaded Woodpecker Clusters."

\$16,000 - December 1992, U.S. Forest Service Contract, for "Small Mammal Responses to Wildlife Stand Improvement in Shortleaf Pine-bluestem ecosystems." (Co-PI with R. Lochmiller, S. McMurry).

\$11,712 - May 1993, (Renewal) U.S. Forest Service Challenge Cost-Share Grant, for "Effects of Midstory Vegetation Removal and Fire on Song Birds and Plant Community Composition in Red-cockaded Woodpecker Clusters."

\$9,350 - June 1993, (Renewal) Forest Stewardship Grant for program development and continuance of "Forest-Wildlife Management Demonstration Projects."

\$10,440 - June 1993, Targeted Research Initiative Program for - Protect and Sustain the Environment; "Interaction of land use, ownership unit size, and vegetation change on avian community structure and landscape biodiversity."

\$14,022 - October 1993, U.S. Forest Service Challenge Cost-Share Grant, for "Effects of Summer Prescribed Fire on Vegetation in Red-cockaded Woodpecker Clusters." (Co-PI with D. Engle).

\$4,000 - January 1994, Forest Stewardship Grant for publication of "Endangered and Threatened Species of Oklahoma."

\$4,000 - June 1994, (Renewal) Forest Stewardship Grant for program development and continuance of "Forest-Wildlife Management Demonstration Projects" and publications of Forest Stewardship Management Notes (2).

\$18,700 - July 1994, Joint proposal submitted (Engle et al.) for Targeted Research Initiative Program - Landscape Ecology and Avian Community Diversity.

\$71,830 (3 years) - September 1994, "Evaluating the Efficacy of Quality Deer Management Techniques" from U.S. Dept. of Defense, McAlester Army Ammunition Plant. (Co-PI with R. Lochmiller).

\$14,022 - October 1994, (Renewal) "Effects of Summer Prescribed Fire on Vegetation in Red-cockaded Woodpecker Clusters" to the U.S. Forest Service. (Co-PI with D. Engle).

\$147,000 (3 years) - October 1994, "Factors Affecting Wild Turkey Productivity" to the Oklahoma Department of Wildlife Conservation. (Co-PI with R. Lochmiller, D. Leslie).

\$1,000 - June 1995, Support of "4-H Wildlife Habitat Judging Contest" to Grand National Quail Foundation.

\$9,350 - June 1995, (Renewal) Forest Stewardship Grant for program development and continuance of "Forest-Wildlife Management Demonstration Projects" and publications of Forest Stewardship Management Notes (4).

\$500 - August 1995, Support for publishing Fact Sheet No. 9009 "Ecology and Management of Deer in Oklahoma" to Oklahoma Department of Wildlife Conservation.

\$11,000 - August 1995, (Renewal) "Effects of Summer Prescribed Fire on Vegetation in Red-cockaded Woodpecker Clusters" to the U.S. Forest Service. (Co-PI with D. Engle).

\$200 - October 1995, Support of "4-H Wildlife Habitat Judging Contest" to Oklahoma Chapter, The Wildlife Society.

\$82,688 (2 years) - January 1996, Management of Wildlife Related Power Outages in Electrical Substations. Western Farmers Electric Cooperative (Co-PI with E. Hellgren).

\$200 - January 1996, Support of "4-H Wildlife Habitat Judging Contest" to Oklahoma State Chapter, Quail Unlimited.

\$25,000 (2 years) - February 1996, Ecology of the Lesser Prairie Chicken, from Oklahoma Department of Wildlife Conservation. (Co-PI with D. Leslie, C. Green, D. Engle).

\$36,000 - (3 years) - May 1996, Abundance, Food Habits, and Habitat Use by Mammalian Predators on Pushmataha Wildlife Management Area. (Co-PI with J. H. Shaw, T. S. Carter, D. M. Leslie, Jr.).

\$500 - May 1996, Support of "4-H Wildlife Habitat Judging Contest" from Oklahoma Department of Wildlife Conservation.

\$153,213 - (3 years) - May 1996, Juniper Encroachment into Grasslands: Landscape Structure and Biodiversity, to NRICGP-CSRS. (Co-PI with D. Engle, M. Gregory).

\$9,350 - October 1996, (Renewal) Forest Stewardship Grant for program development and continuance of "Forest-Wildlife Management Demonstration Projects" and publications of Forest Stewardship Management Notes (4).

\$500 - May 1997, Proposal letter submitted for support of 4-H Wildlife Habitat Judging Contest to Oklahoma Chapter of Quail Unlimited.

\$9,350 - July 1997, (Renewal) Forest Stewardship Grant for program development and continuance of "Forest-Wildlife Management Demonstration Projects" and publications of Forest Stewardship Management Notes (2).

\$30,000 - (3 years) - August 1997 "Bobwhite Population Responses to Habitat Management on Private Lands in South-central Oklahoma" from Noble Foundation. (Co-PI with F. Guthery).

\$300 - September 1997, Support of "4-H Wildlife Habitat Judging Contest" from Oklahoma Chapter, The Wildlife Society.

\$30,000 - (3 years) - December 1997 "The Influence of Weather Variables on Quail Abundance in Texas" from Texas Parks and Wildlife Department. (Co-PI with F. Guthery).

\$145,000 - March 9, 1998, Expansion of the 4-H Wildlife Habitat Evaluation Youth Program in States and Local Communities, by Armstrong, et. al to Fish and Wildlife Foundation (Co-PI with National WHEP committee).

\$500 - April 1998, Support of "4-H Wildlife Habitat Judging Contest" from Oklahoma Chapter, Quail Unlimited.

\$9,350 - July 1998, (Renewal) Forest Stewardship Grant for program development of Continuance of "Forest-Wildlife Management Demonstration Projects" and publication of Forest Stewardship Management Notes (2).

\$57,389 - September 1998, Technical Assistance for Establishing and Maintenance of Riparian Corridors. From Oklahoma Conservation Commission (Co-PI with M. Smolen and B. Ross)

\$10,632 - October 1998, U. S. Forest Service Challenge Cost-share Grant for Bobwhite Quail Habitat and Population Response to Pine-grassland Restoration. (Co-PI with F. Guthery).

\$300 - February 1999, Support of "4-H Wildlife Habitat Judging Contest" from Oklahoma Chapter, The Wildlife Society.

\$500 - March 1999, Support of "4-H Wildlife Habitat Judging Contest" from Oklahoma Department of Wildlife Conservation.

\$6,000 - March 1999, U. S. Forest Service Challenge Cost-share Grant for "Bobwhite Quail Habitat and Population Response to Pine-grassland Restoration," additional travel funds. (Co-PI with F. Guthery).

\$12,250 - March 1999, U. S. Forest Service Challenge Cost-share Grant for "Northern Bobwhite Ecology in Forested Landscapes." (Co-PI with F. Guthery).

\$9,350 - June 1999, (Renewal) Forest Stewardship Grant for program development and continuance of "Forest, Wildlife Management Demonstration Project" and publication of Forest Stewardship Management Notes (2).

\$500 - June 1999, Support of "4-H Wildlife Habitat Judging Contest" from Oklahoma Chapter, Quail Unlimited.

\$7,000 - August 1999, Quail Unlimited/US. Forest Service Challenge Cost-Share Grant for addition to "Northern Bobwhite Ecology in Forested Landscapes."

\$300 - January 2000, Support of "4-H Wildlife Habitat Judging Contest" from Oklahoma Chapter, The Wildlife Society.

\$500 - March 2000, Support of "4-H Wildlife Habitat Judging Contest" from Oklahoma Department of Wildlife Conservation.

\$28,000 - March 2000, Arkansas Game and Fish, Arkansas Chapter National Wild Turkey Federation, Audubon Society/US. Forest Service Challenge Cost-Share Grant for addition to "Northern Bobwhite Ecology in Forested Landscapes."

\$500 - June 2000, Support of "4-H Wildlife Habitat Judging Contest" from Oklahoma Chapter, Quail Unlimited.

\$9,350 - July 2000, (Renewal) Forest Stewardship Grant for program development and continuance of "Forest, Wildlife Management Demonstration Project" and publication of Forest Stewardship Management Notes (2).

\$450 - August 2000, Support of "4-H Wildlife Habitat Judging Contest" from Oklahoma Association of Conservation Districts.

\$47,120 - September 2000, US. Forest Service Challenge Cost-Share Grant and Arkansas Game and Fish for addition to "Northern Bobwhite Ecology in Forested Landscapes."

\$3,000 - October 2000, (Amendment) Forest Stewardship Grant for continuing education workshop on "Silviculture and Prescribed Fire" from ODA-Forestry Services.

\$500 - November 2000, Support of "State 4-H Wildlife Habitat Evaluation Program" from Oklahoma Chapter, The Wildlife Society.

\$500 - March 2001, Support of "State 4-H Wildlife Habitat Evaluation Program" from Oklahoma Department of Wildlife Conservation.

\$1,000 - April 2001, Support of "State 4-H Wildlife Habitat Evaluation Program" from Oklahoma Gas and Electric.

\$15,000 - April 2001, Support of "4-H Wildlife Habitat Evaluation Program - National Event in Wyoming" from International Paper.

\$5,000 - June 2001, NRA ECHO Grant for support of "4-H Wildlife Habitat Evaluation Program - National Event in Wyoming" from National Rifle Association.

\$3,000 - July 2001, Support of "4-H Wildlife Habitat Evaluation Program - National Event in Wyoming" from Rocky Mountain Elk Foundation.

\$20,000 - July 2001, Support of "4-H Wildlife Habitat Evaluation Program - National Event in Wyoming" from the U.S. Fish and Wildlife Service.

\$9,350 - July 2001, (Renewal) Forest Stewardship Grant from ODA-Forestry Services for program development and continuance of "Forest, Wildlife Management Demonstration Project" and publication of Forest Stewardship Management Notes (2).

\$500 - July 2001, Support of "4-H Wildlife Habitat Judging Contest" from Oklahoma Chapter, Quail Unlimited.

\$450 - August 2001, Support of "4-H Wildlife Habitat Judging Contest" from Oklahoma Association of Conservation Districts.

\$4,640 - August 2001, "Status of the Wildlife Habitats in Pushmataha Forest Habitat Research Area and Pushmataha Wildlife Management Area" from Oklahoma Department of Wildlife Conservation. (Co-PI with R. Tyrl).

\$47,120 - September 2001, US. Forest Service Challenge Cost-Share Grant and Arkansas Game and Fish for addition to "Northern Bobwhite Ecology in Forested Landscapes."

\$24,000 - October 2001, Support of "4-H Wildlife Habitat Evaluation Program - National Event in Ohio" from the U.S. Fish and Wildlife Service.

\$1,000 - January 2002, Support of "State 4-H Wildlife Habitat Evaluation Program" from Oklahoma Gas and Electric.

\$5,000 - May 2002, NRA ECHO Grant for support of "4-H Wildlife Habitat Evaluation Program - National Event in Ohio" from National Rifle Association.

\$10,000 - June 2002, US Forest Service – Contributions to an Internet-based Encyclopedia of Southern Fire Science and Management Knowledge.”

\$3,000 - July 2002, Support of "4-H Wildlife Habitat Evaluation Program - National Event in Ohio" from Rocky Mountain Elk Foundation.

\$15,000 - July 2002, Support of "4-H Wildlife Habitat Evaluation Program - National Event in Ohio" from International Paper.

\$11,200 - September 2002, Forest Stewardship Grant from ODA-Forestry Services for program continuance of "Forest, Wildlife Management Demonstration Project" and publication of Forest Stewardship Management Notes (2) Sub-contract to Tall Timbers Research Station.

\$8,500 - February 2003, U.S. Forest Service and Arkansas Game and Fish for addition to "Northern Bobwhite Ecology in Forested Landscapes." Sub-contract to Tall Timbers Research Station.

\$97,500 - May 2003, USFWS, Red Hills Ecological Stewardship Consortium: Management of an endangered species and an endangered ecosystem on private lands. (PI's-Cox, Hagan and Masters)

\$18,564 - April 2003, University of Georgia, half assistance ship for Wild Turkey Census Methods study on Pebble Hill. (PI's-Palmer, Carroll and Masters)

\$10,000 - August 2003, National Wild Turkey Federation, for Wild Turkey Census Methods study on Pebble Hill. (PI's-Palmer and Masters)

\$11,200 - September 2003, Forest Stewardship Grant from ODA-Forestry Services for program continuance of "Forest, Wildlife Management Demonstration Project" and publication of Forest Stewardship Management Notes (2) Sub-contract to Tall Timbers Research Station.

\$10,000 - September 2003, Grant from U.S. Fish and Wildlife Service for support of the 2nd International Fire Ecology and Fire Management Congress. Awarded through American Meteorological Society.

\$5,000 - September 2003, Grant from Bureau of Land Management for support of the 2nd International Fire Ecology and Fire Management Congress. Awarded through subcontract with USFWS to American Meteorological Society.

\$10,000 - November 2003, Grant from U.S. Forest Service for support of the 2nd International Fire Ecology and Fire Management Congress. Awarded through subcontract with USFWS to American Meteorological Society.

\$10,000 - November 2003, Grant from National Park Service for support of the 2nd International Fire Ecology and Fire Management Congress. Awarded through subcontract with Tall Timbers Research Station.

\$497,763 - June 2004, Grant from Joint Fire Science Program for FRAMES - An Internet Based Portal for Fire Science and Management in the Southern Region AFP 2004-4, Task I: Science Application and Partnerships. PI's: Morgan, Fowler, Kennard, Hiers, Masters, Gaines, and Gollberg. \$71,539 awarded through subcontract to Tall Timbers Research Station.

\$11,200 - June 2004, Forest Stewardship Grant from ODA-Forestry Services for program continuance of "Forest, Wildlife Management Demonstration Project" and publication of Forest Stewardship Management Notes (2) Sub-contract to Tall Timbers Research Station.

\$200 - August 2004, Society of American Foresters Travel Grant. For invited speakers travel to meeting in Edmonton, Alberta, October 2004.

\$11,500 - December 2004, USFS Contract through FedSource- for developing Fire Regime and Condition Class Potential Natural Vegetation Models. Developed 6 models for FRCC.

\$10,000 - Jan 2005, Grant from National Park Service for support of the 23rd Fire Ecology Conference – October 2005, Bartlesville, OK.

\$2,000 - March 2005, Grant from Prescribed Fire Training Center - NIFC for support of the 23rd Fire Ecology Conference – October 2005, Bartlesville, OK.

\$10,000 - March 2005, Grant from USFWS for support of the 23rd Fire Ecology Conference – October 2005, Bartlesville, OK.

\$39,967 - April 2005, Cost-share Grant from Florida Fish and Wildlife Commission – Florida Landowner Incentives Program (FL-LIP) for Tall Timbers Longleaf/Wiregrass/Red-cockaded woodpecker Restoration project. PI-Hagan, Cox, Masters, Robertson, Staller.

\$200 – May 2005, Honorarium from Florida Fish and Wildlife Commission through Hillsboro College for teaching section in Prescribed Fire Training Workshop.

\$27,401 - May 2005, Grant from National Fish and Wildlife Foundation and Southern Company for Pebble Hill/Tall Timbers Longleaf Reforestation project. PI- Masters, Staller, Cox.

\$42,105 - May 2005, Grant from Florida State Wildlife Grants Program for Monitoring Prescribed Fire on Public Lands in Florida. PI-Cox, Robertson, Masters.

\$500 - June 2005, Grant from Oklahoma Chapter- Society for Range Management for support of the 23rd Fire Ecology Conference – October 2005, Bartlesville, OK.

\$11,200 - June 2005, Forest Stewardship Grant from ODA-Forestry Services for program continuance of "Forest, Wildlife Management Demonstration Project" and a related Forest Stewardship publication, Sub-contract to Tall Timbers Research Station.

\$10,000 - July 2005, Grant from Joint Fire Science Program for support of publishing the 23rd Fire Ecology Conference Proceedings– October 2005, Bartlesville, OK.

\$10,000 - July 2005, Grant from US Forest Service for support of the 23rd Fire Ecology Conference Proceedings– October 2005, Bartlesville, OK.

\$10,000 - July 2005, Grant from Bureau of Land Management for support of the 23rd Fire Ecology Conference Proceedings– October 2005, Bartlesville, OK.

\$2,220 - August 2005, Contract from US Forest Service for quail crop analysis. Winter Bobwhite Food Habits in Restored Pine-bluestem Stands.

\$2,499 - April 2006, Contract from US Forest Service for article "Shortleaf Pine Fire Ecology and Management" for the fire encyclopedia.

\$1,890 - August 2006, Contract from US Forest Service for quail crop analysis. Winter Bobwhite Food Habits in Restored Pine-bluestem Stands.

\$11,200 - September 2006, Forest Stewardship Grant from ODA-Forestry Services for program continuance of "Forest, Wildlife Management Demonstration Project" and a related Forest Stewardship publication, Sub-contract to Tall Timbers Research Station.

\$1,890 - May 2007, Contract from US Forest Service for quail crop analysis. Winter Bobwhite Food Habits in Restored Pine-bluestem Stands.

\$11,200 - July 2007, Forest Stewardship Grant from ODA-Forestry Services for program continuance of "Forest, Wildlife Management Demonstration Project" and a related Forest Stewardship publication, Sub-contract to Tall Timbers Research Station.

\$44,350 - July 2007, Red Hills Ecological Stewardship Consortium - Grant from US Fish & Wildlife Service, Private Stewardship Grants Program Phase V. Partnership of TTRS, USFWS, FFWCC, GDNR. (PIs: Cox, McCormick and Masters)

\$1,344 - August 2007, Contract from US Forest Service for quail crop analysis. Winter Bobwhite Food Habits in Restored Pine-bluestem Stands.

GRANT TOTAL - \$2,230,933

PUBLICATIONS - Peer-reviewed

Masters, R. E. 1982. Summer record of bald eagle in Chester Co., Tennessee. *Migrant* 53:64.

Masters, R. E., J. E. Skeen, and J. A. Garner. 1989. Red-cockaded woodpecker in Oklahoma; an update of Wood's 1974-77 Study. *Proceedings Oklahoma Academy of Science* 69:27-31.

Masters, R. E. 1991. Effects of fire and timber harvest on vegetation and cervid use on oak -pine sites in Oklahoma Ouachita Mountains. Pages 168-176. *In* S. C. Nodvin and T. A. Waldrop, (eds.). *Fire and the environment: ecological and cultural perspectives*. Proc. of an international symposium. USDA For. Serv. Gen. Tech. Rep. SE-69. Southeast For. Exp. Sta., Asheville, N.C.

Masters, R. E., D. M. Engle, and R. Robinson. 1993. Effects of timber harvest and periodic fire on soil chemical properties in the Ouachita Mountains. *Southern Journal of Applied Forestry* 17:139-145.

Masters, R. E., R. L. Lochmiller, and D. M. Engle. 1993. Effects of timber harvest and periodic fire on white-tailed deer forage production. *Wildlife Society Bulletin* 21:401-411.

- Masters, R. E., and D. M. Engle. 1994. BEHAVE-evaluated for prescribed fire planning in mountainous oak-shortleaf pine habitats. *Wildlife Society Bulletin* 22:184-191.
- Wilson, C. W., R. E. Masters, and G. A. Bukenhofer. 1995. Breeding bird response to pine-grassland community restoration for red-cockaded woodpeckers. *Journal of Wildlife Manage.* 59:56-67.
- Masters, R. E., C. W. Wilson, G. A. Bukenhofer, and M. E. Payton. 1996. Effects of pine-grassland restoration for red-cockaded woodpeckers on white-tailed deer forage production. *Wildlife Society Bulletin* 24:77-84.
- Ditchkoff, S. S., E. R. Welch, Jr., R. L. Lochmiller, R. E. Masters, W. C. Dinkines, and W. R. Starry. 1996. Deer harvest characteristics during compound and traditional archery hunts. *Proc. Annu. Conf. Southeast. Assoc. Fish and Wildlife Agencies* 50:391-396.
- Boren, J. C., D. M. Engle, M. S. Gregory, R. E. Masters, T. G. Bidwell, and V. A. Mast. 1997. Landscape structure and change in a hardwood forest-tallgrass prairie ecotone. *Journal of Range Management* 50:244-249.
- Boren, J. C., D. M. Engle, and R. E. Masters. 1997. Vegetation cover type and avian species changes on landscapes within a wildland-urban interface. *Ecological Modelling* 103:251-266.
- Smith, B. A., R. J. Tyrl, and R. E. Masters. 1997. Floristic inventory of the McCurtain County Wilderness Area (Oklahoma). *Proceedings Oklahoma Academy of Science* 77:99-102.
- Ditchkoff, S. S., E. R. Welch, Jr., W. R. Starry, W. C. Dinkines, R. E. Masters, and R. L. Lochmiller. 1997. Quality deer management at the McAlester Army Ammunition Plant: a unique approach. *Proc. Annu. Conf. Southeast. Assoc. Fish and Wildlife Agencies* 51:389-399.
- Masters, R. E., W. D. Warde, and R. L. Lochmiller. 1997. Herbivore response to alternative forest management practices. *Proc. Annu. Conf. Southeast. Assoc. Fish and Wildlife Agencies* 51:225-237.
- Sparks, J. C., R. E. Masters, D. M. Engle, M. W. Palmer, and G. A. Bukenhofer. 1998. Effects of growing-season and dormant-season prescribed fire on herbaceous vegetation in restored pine-grassland communities. *Journal of Vegetation Science* 9:133-142.
- Masters, R. E., R. L. Lochmiller, S. T. McMurry, and G. A. Bukenhofer. 1998. Small mammal response to pine-grassland restoration for red-cockaded woodpeckers. *Wildlife Society Bulletin* 28:148-158.
- Ditchkoff, S. S., E. R. Welch, Jr., R. L. Lochmiller, R. E. Masters, W. R. Starry, and W. C. Dinkines. 1998. Wounding rates of white-tailed deer with traditional archery equipment. *Proc. Annu. Conf. Southeast. Assoc. Fish and Wildlife Agencies* 52:244-248.
- Sparks, J. C., R. E. Masters, D. M. Engle, M. E. Payton, and G. A. Bukenhofer. 1999. Influence of fire season and fire behavior on woody plants in red-cockaded woodpecker clusters. *Wildlife Society Bulletin* 27:(1) 124-133.

- Engle, D. M., T. L. Criner, J. C. Boren, R. E. Masters, and M. S. Gregory. 1999. Response of breeding birds in the Great Plains to low-density urban sprawl. *Great Plains Research* 9:55-73.
- James, J. B., E. C. Hellgren, and R. E. Masters. 1999. Effects of deterrents on avian abundance and nesting density in electrical substations in Oklahoma. *Journal of Wildlife Management* 63:1009-1017.
- Boren, J. C., D. M. Engle, M. W. Palmer, R. E. Masters, and T. Criner. 1999. Land use change effects on breeding bird community composition. *Journal of Range Management* 52:420-430.
- Nicholson, D. S., R. L. Lochmiller, M. D. Stewart, R. E. Masters, and D. M. Leslie, Jr. 2000. Risk factors associated with capture related death in eastern wild turkey hens. *Journal of Wildlife Diseases* 36:308-315.
- Coppedge, B. R., D. M. Engle, R. E. Masters, and M. S. Gregory. 2001. Avian response to landscape change in fragmented Southern Great Plains. *Ecological Applications* 11:47-59.
- Ditchkoff, S. S., R. L. Lochmiller, R. E. Masters, S. R. Hooper, and R. A. Van Den Bussche. 2001. MHC-associated variation in secondary sexual traits of white-tailed deer (*Odocoileus virginianus*): evidence for "good genes" advertisement. *Evolution* 55(3):616-625.
- Ditchkoff, S. S., R. L. Lochmiller, R. E. Masters, W. R. Starry and D. M. Leslie, Jr. 2001. Does fluctuating asymmetry of antlers in white-tailed deer (*Odocoileus virginianus*) follow patterns predicted for sexually selected traits. *Proc. Royal Soc. of London* 268:891-898.
- Townsend, D. E. II, R. E. Masters, R. L. Lochmiller, D. M. Leslie, Jr., S. J. Demaso, and A. D. Peoples. 2001. Characteristics of nest sites of northern bobwhites in western Oklahoma. *Journal of Range Management* 54(3):260-264.
- Coppedge, B. R., D. M. Engle, S. D. Fuhlendorf, R. E. Masters, and M. S. Gregory. 2001. Urban sprawl and juniper encroachment effects on the abundance of wintering passerines in Oklahoma. Pages 225-242, In: J.M. Marzluff, R. Bowman, and R. Donnelly (eds.). *Avian Ecology and Conservation In An Urbanizing World*. Kluwer Academic Publishers. (*Book Chapter*)
- Ditchkoff, S. S., L. J. Spicer, R. E. Masters, and R. L. Lochmiller. 2001. Concentrations of insulin-like growth factor-I in adult male white-tailed deer (*Odocoileus virginianus*): Associations with serum testosterone, morphometric measurements, and age during and after the breeding season. *Comparative Biochemistry and Physiology - Part A* 129(4):887-895.
- Ditchkoff, S. S., E. R. Welch, R. L. Lochmiller, R. E. Masters, and W. R. Starry. 2001. Age-specific causes of mortality among male white-tailed deer support mate competition theory. *Journal of Wildlife Management* 65(3):552-559.
- Guthery, F. S., M. C. Green, R. E. Masters, S. J. DeMaso, H. M. Wilson, and F. B. Steubing, 2001. Land cover and bobwhite abundance on Oklahoma farms and ranches. *Journal of Wildlife Management* 65(4):838-849.

- Masters, R. E., C. W. Wilson, D. S. Cram, and G. A. Bukenhofer. 2001. (*Invited note*) Reintroduction of fire benefits breeding birds in pine-grasslands (Arkansas). *Ecological Restoration* 19(4):265-266.
- Ditchkoff, S. S., W. R. Starry, R. E. Masters, and C. W. Deurmyer. 2001. Hunter success and selectivity of archers using crossbows. *Proc. Annu. Conf. Southeast. Assoc. Fish and Wildlife Agencies* 55:560-566.
- Coppedge, B. R., D. M. Engle, S. A. Fuhlendorf, R. E. Masters, and M. S. Gregory. 2001. Landscape cover type and pattern dynamics in fragmented southern Great Plains grasslands, USA. *Landscape Ecology* 16:677-690.
- James, J. B., E. C. Hellgren, and R. E. Masters. 2002. Landscape correlates of wildlife-related power outages at electrical substations. *Wildlife Society Bulletin* 30:148-155.
- Cram, D. S., R. E. Masters, F. S. Guthery, D. M. Engle, and W. G. Montague. 2002. Northern bobwhite population and habitat response to pine-grassland restoration. *Journal of Wildlife Management* 66:1031-1039.
- Sparks, J. C., R. E. Masters, and M. E. Payton. 2002. Comparative evaluation of accuracy and efficiency of six forest sampling methods. *Proceedings Oklahoma Academy of Science* 82:49-56.
- Sparks, J. C., R. E. Masters, D. M. Engle, and G. A. Bukenhofer. 2002. Season of burn influences fire behavior and fuel consumption in restored shortleaf pine-grassland communities. *Restoration Ecology* 10:714-722.
- Farley, S. C., R. E. Masters, and D. M. Engle. 2002. Riparian landscape change in central Oklahoma, 1872-1991. *Proceedings Oklahoma Academy of Science* 82:57-71.
- Webb, R.E., D. M. Leslie, Jr., R. L. Lochmiller, and R. E. Masters. 2003. Immune function and hematology of male cotton rats (*Sigmodon hispidus*) in response to food supplementation and methionine. *Comparative Biochemistry and Physiology Part A*. 136:577-589.
- Masters, R., K. Robertson, B. Palmer, J. Cox, K. McGorty, L. Green, and C. Ambrose. 2003. Red Hills forest stewardship guide. Miscellaneous Publication No. 12. Tall Timbers Research Station, Tallahassee, Fl. 78p.
- Coppedge, B. R., D. M. Engle, R. E. Masters, and M. S. Gregory. 2004. Predicting juniper encroachment and CRP effects on avian community dynamics in southern mixed-grass prairie, USA. *Biological Conservation* 115:431-441.
- Chapman, R. N., D. M. Engle, R. E. Masters, and D. M. Leslie, Jr. 2004. Tree invasion constrains the influence of herbaceous structure in grassland bird habitats. *Ecoscience* 11(1):55-63.
- Chapman, R. N., D. M. Engle, R. E. Masters, and D. M. Leslie, Jr. 2004. Grassland vegetation and bird communities in the southern Great Plains of North America. *Agriculture, Ecosystems and Environment* 104:577-585.

- Ditchkoff, S. S., S. R. Hooper, R. L. Lochmiller, R. E. Masters, and R. A. Van Den Bussche. 2005. *Mhc-DRB* evolution provides insight into parasite resistance in white-tailed deer (*Odocoileus virginianus*). *Southwest Naturalist* 50:57-64.
- Webb, R.E., D. M. Leslie, Jr., R. L. Lochmiller, and R. E. Masters. 2005. Impact of food supplementation and methionine on high densities of cotton rats: support of the amino-acid-quality hypothesis? *Journal of Mammalogy* 86:46-55.
- Coppedge, B. R., D. M. Engle, R. E. Masters, and M. S. Gregory. 2006. Development of a grassland integrity index based on breeding bird assemblages. *Environmental Monitoring and Assessment* 118:125-145.
- Sparks, J. C., R. E. Masters, D. M. Engle, G. A. Bukenhofer, and M. E. Payton. 2007. Comparison of BEHAVE predictions with observed fire behavior varying by season and frequency. *Proceedings Tall Timbers Fire Ecology Conference 23*: IN PRESS.
- Masters, R. E. 2007. Shortleaf pine fire ecology and management. *Southern Fire Encyclopedia*, web publication. http://fire.forestencyclopedia.net/Encyclopedia_Page.2003-10-15.5050/Encyclopedia_Page.2007-02-14.0850.
- Masters, R. E. 2007. The importance of shortleaf pine for wildlife and diversity in mixed oak-pine forests and in pine-grassland woodlands. In: Kabrick, John M.; Dey, Daniel C.; Gwaze, David, eds. *Shortleaf pine restoration and ecology in the Ozarks: proceedings of a symposium; 2006 November 7-9; Springfield, MO*. Gen. Tech. Rep. NRS-P-15. Newtown Square, PA: U.S. Department of Agriculture, Forest Service, Northern Research Station: 35-46.
- Masters, R., K. Robertson, B. Palmer, J. Cox, K. McGorty, L. Green, and C. Ambrose. 2007. *Red Hills forest stewardship guide, Second Edition*. Miscellaneous Publication No. 12. Tall Timbers Research Station, Tallahassee, Fl. 78p.
- Masters, R. E., S. D. Kreiter, and M. S. Gregory. 2007. Dynamics of an old-growth hardwood-*Pinus* forest over 98 years. *Proceedings Oklahoma Academy of Science* 87:xx-xx. IN PRESS
- Cram, D. S., R. E. Masters, F. S. Guthery, D. M. Engle, and Warren G. Montague. 2007. Usable space versus food quantity in bobwhite management. *Gamebird 2006: Managing Gamebirds in the 21st Century, A Joint Conference of Quail VI and Perdix XII*. May 31- June 4, 2006. Athens, Georgia. IN PRESS.
- Masters, R. E., F. S. Guthery, W. R. Walsh, and W. G. Montague. 2007. Usable space versus habitat quality in forest management for bobwhites. *Gamebird 2006: Managing Gamebirds in the 21st Century, A Joint Conference of Quail VI and Perdix XII*. May 31- June 4, 2006. Athens, Georgia. IN PRESS.

PUBLICATIONS - Books

- Tyrl, R. J., T. G. Bidwell, and R. E. Masters. 2002. *Field guide to Oklahoma plants: commonly encountered prairie, shrubland, and forest species*. Department of Plant and Soil Sciences, Oklahoma State University, Stillwater, OK. 515p.

PUBLICATIONS - Professional

- Masters, R. E., and R. E. Thackston. 1985. Restoration and status of the eastern wild turkey in Oklahoma. Pages 317-326 in J. E. Kennammer and M. E. Kennammer (eds.). Proc. Fifth natl. wild turkey symp. Natl. Wild Turkey Fed., Edgefield, S.C.
- Masters, R. E. 1985. Alpine Ecology. *Summit* 31(5):14-23.
- Brabander, J. J., R. E. Masters, and R. L. Short. 1985. Bottomland hardwoods in eastern Oklahoma: a special study of their status, values and trends. USDI Fish and Wildlife Serv., *Ecolog. Serv.*, Tulsa, Okla. and Okla. Dept. of Wildlife Cons., Oklahoma City, Okla. 147p.
- Masters, R. E. 1989. Nutrient response to overstory removal and winter prescribed fire versus clearcutting and summer site prep burns in Oklahoma Ouachita Mountains. Abst. p. 256 in T. A. Waldrop (ed.). Proc. pine-hardwood mixtures: a symposium on management and ecology of the type. Atlanta, Ga. USDA For. Ser. Southeast. For. Exp. Sta., Asheville.
- Masters, R. E. 1991. The effects of forest and wildlife management practices on wildlife in oak-pine habitats. Final Rep. PR Project W-80-R, Study 4, Job 2, Okla. Dep. Wildlife Conserv., Oklahoma City. 124p.
- Wilson, C. W., and R. E. Masters. 1993. Pine-bluestem restoration and breeding birds. *The Scissortail* 43(2):19.
- Masters, R. E., J. E. Skeen, and J. Whitehead. 1995. Preliminary fire history of McCurtain County Wilderness Area and implications for red-cockaded woodpecker management. Pages 290-302 *in* D. L. Kulhavy, R. G. Hooper, and R. Costa. (eds.). Red-cockaded woodpecker: Species recovery, ecology and management. Center for Applied Studies, Stephen F. Austin University, Nacogdoches, Tx.
- Masters, R. E., and J. G. Huggins. (eds.) 1996. Twelfth Great Plains Wildlife Damage Control Workshop Proceedings. Samuel F. Roberts Noble Foundation, Ardmore, Okla.
- Masters, R. E., and J. G. Huggins. 1996. Twelfth Great Plains Wildlife Damage Control Workshop Summary. Pages 1-2 *in* R. E. Masters and J. G. Huggins (eds.). Twelfth Great Plains Wildlife Damage Control Workshop Proceedings. Samuel F. Roberts Noble Foundation, Ardmore, Okla.
- Sparks, J. C., and R. E. Masters. 1996. Fire seasonality effects on vegetation in mid-, tall-, and southeastern pine-grassland communities: a review. *Trans. No. Am. Wildlife and Natur. Res. Conf.* 61:230-239.
- Engle, D. M., T. G. Bidwell, and R. E. Masters. 1996. Restoring Cross Timbers ecosystems with fire. *Trans. No. Am. Wildlife and Natur. Res. Conf.* 61:190-199.
- Huggins, J. G., and R. E. Masters. 1997. Wildlife damage management in pecan orchards. Pages 44-47 in B. D. McCraw (ed.). Proc. 16th Ann. Okla. Horticulture Industries Show. Dept. Hort. and Land. Arch. Oklahoma State Univ., Stillwater, Okla.

- Huggins, J. G., and R. E. Masters. 1998. Wildlife damage management in pecan orchards. Pages 40-43 in B. D. McCraw (ed.). Proc. 17th Ann. Okla. Horticulture Industries Show. Dept. Hort. and Land. Arch. Oklahoma State Univ., Stillwater, Okla.
- Masters, R. 1998. Fire regimes in the Ozark Plateau and Ouachita Mountain Region. The Nature Conservancy, Oklahoma Conservator 35:8.
- Huggins, J. G., and R. E. Masters. 2000. Wildlife damage management in pecan orchards. Pages 40-43 in B. D. McCraw (ed.). Proc. 19th Ann. Okla. Horticulture Industries Show. Dept. Hort. and Land. Arch. Oklahoma State Univ., Stillwater, Okla.
- Masters, R. E., C. W. Wilson, D. S. Cram, G. A. Bukenhofer, and R. L. Lochmiller. 2002. *(Invited paper)* Influence of ecosystem restoration for red-cockaded woodpeckers on breeding bird and small mammal communities. Pages 73-90 in W. M. Ford, K. R. Russell, and C. E. Moorman, editors. *In: The role of fire in non-game wildlife management and community restoration: traditional uses and new directions: proceedings of a special workshop.* Annual Meeting of The Wildlife Society, Nashville, Tenn. USDA For. Ser. Northeast Research Station. General Technical Report NE-288.
- Ditchkoff, S. S., W. R. Starry, R. E. Masters, R. L. Lochmiller, and E. R. Welch. 2002. Are rates of hunter success and deer wounding by traditional archers compatible with sound management? Page 85 in R. J. Warren (ed.) Proceedings of the first national bowhunting conference. Archery Manufacturers and Merchants Organization, Comfrey, Minnesota, USA.
- Masters, R.E. 2002. *(Invited paper)* Developing a framework for pine-blustem community restoration in the interior highlands of Arkansas and Oklahoma. Pages 103 in J. Randall, and J.C. Burns, editors. Proceedings of the Third Eastern Native Grass Symposium: held in Chapel Hill, North Carolina, October 1-3, 2002. Omnipress. [Abstract]
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- Masters, R. E. 2006. Book Review: A Illustrated Guide to Eastern Wildflowers and Trees. Journal of Wildlife Management 70(4):1165-1166.

PUBLICATIONS - Extension

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- Bidwell, T. A., R. E. Masters, M. G. Shaw, S. R. Tully, and T. D. Hunters. 1992. A computer assisted habitat evaluation model for white-tailed deer. In: Abstracts of papers. 45th Annu. Meeting, Soc. Range Manage. Spokane, WA.
- Masters, R. E., P. Mitchell, and S. Dobbs. 1992. Ornamental and garden plants: controlling deer damage. Fact Sheet No. 6427. Coop. Ext. Serv., Okla. State Univ., Stillwater. 15p.
- Anderson, S. A., and R. E. Masters. 1992. Riparian forest buffers. Fact Sheet No. 5034. Coop. Ext. Serv., Okla. State Univ., Stillwater. 15p.
- Masters, R. E. 1992. The Endangered Species Debate - Let's Put It in Perspective. Okla. Renewable Res. Bull. 7(3):6-7.
- Masters, R. E. 1992. How Does the Endangered Species Act Affect Private Landowners? Okla. Renewable Res. Bull. 7(4):5-6.
- Masters, R. E. 1993. Oklahoma's Endangered and Threatened Species. For. Ext. Rep. No. 6. Coop. Ext. Serv., Okla. State Univ., Stillwater. 44p.
- Masters, R. E., S. A. Anderson, T. Bidwell, and M. Porter. 1993. Lease Hunting Opportunities for Oklahoma Landowners. Fact Sheet No. 5032. Coop. Ext. Serv., Okla. State Univ., Stillwater. 8p.
- Bidwell, T. G., and R. E. Masters. 1993. Using Prescribed Fire in Oklahoma. Circular E-927. Coop. Ext. Serv., Okla. State Univ., Stillwater. 13p.
- Masters, R. E. 1993. Should the McCurtain County Wilderness Area be Managed? Okla. Renewable Res. Bull. 8(1):2-3.
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- Masters, R. E. 1993. Forest Structure and Wildlife. Okla. Renewable Res. Bull. 8(4):10.
- Masters, R. E. 1993. Wildlife Profile - White-tailed Deer. Okla. Renewable Res. Bull. 8(4):7.
- Smith, S. A., Masters, R. E., P. Mitchell, J. T. Criswell, S. Dobbs, and J. Dole. 1995. Landscaping and Gardening to Attract Butterflies, Moths and Skippers. Fact Sheet No. 6430. Coop. Ext. Serv., Okla. State Univ., Stillwater. 12p.
- Masters, R. E., T. G. Bidwell, and M. Shaw. 1995. Ecology and management of deer in Oklahoma. Fact Sheet No. 9009. Coop. Ext. Serv., Okla. State Univ., Stillwater. 8p.

- Bidwell, T. G., C. B. Green, A. D. Peoples, and R. E. Masters. 1995. Prairie chicken management in Oklahoma. Circ. E-945. Coop. Ext. Serv., Okla. State Univ., Stillwater. 8p.
- Masters, R., and M. Stewart. 1995. White-tailed Deer. Forest Stewardship Wildlife Manage. Notes No. 1. Publ. No. L-267. Coop. Ext. Serv., Okla. State Univ., Stillwater. 8pp.
- Green, C., J. R. Drapeau, S. Anderson, and R. E. Masters. 1995. Frequently Used Forestry and Natural Resource Terms for Landowners of Oklahoma. Fact Sheet No. F-5002. Coop. Ext. Serv., Okla. State Univ., Stillwater. 6p.
- Green, C., and R. E. Masters. 1995. Snapshots in Time...A Vegetation Study of the McCurtain County Wilderness Area-1986 and 1994. Okla. Renewable Res. Bull. 11(3):2.
- Masters, R., J. M. Dole, S. H. Dobbs, S. A. Smith and P. J. Mitchell. 1996. Landscaping and Gardening For Birds. Fact Sheet No. F-6435. Coop. Ext. Serv., Okla. State Univ., Stillwater. 12p.
- Masters, R., M. Stewart, T. G. Bidwell, and J. Sparks. 1996. Bobwhite Quail. Forest Stewardship Wildlife Manage. Notes No. 2. Publ. No. L-268. Coop. Ext. Serv., Okla. State Univ., Stillwater. 12p.
- Rafferty, D., R. Masters, and C. Green. 1996. Snags, Cavity Trees and Downed Logs. Forest Stewardship Wildlife Manage. Notes No. 4. Publ. No. L-270. Coop. Ext. Serv., Okla. State Univ., Stillwater. 8p.
- Nicholson, L. L. and R. Masters. 1996. Gray and Fox Squirrels. Forest Stewardship Wildlife Manage. Notes No. 5. Publ. No. L-271. Coop. Ext. Serv., Okla. State Univ., Stillwater. 8p.
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- Farley, S. C. and R. Masters. 1997. Songbirds. Forest Stewardship Wildlife Manage. Notes No. 8. Publ. No. L-274. Coop. Ext. Serv., Okla. State Univ., Stillwater. 12p.
- Nicholson, L. L. and R. Masters. 1998. Wood Ducks. Forest Stewardship Wildlife Manage. Notes No. 7. Publ. No. L-273. Coop. Ext. Serv., Okla. State Univ., Stillwater. 16p.
- Masters, R., Stewart, M. and T. Bidwell. 1998. Wild Turkey. Forest Stewardship Wildlife Manage. Notes No. 3. Publ. No. L-269. Coop. Ext. Serv., Okla. State Univ., Stillwater. 12p.
- Whitaker-Hoagland, J., M. Howery, A. Stacey, R. Smith, S. Tully, R. Masters, D. Leslie, Jr., and S. Stoodley. 1998. Managing Riparian Areas for Wildlife. Pages 55-62 in M. S. Cooper (editor). Riparian Area Management Handbook. Circ. E-952. Coop. Ext. Serv., Okla. State Univ., Stillwater. 97p.
- Bidwell, T. G., Masters, R. E., and R. J. Tyrl. 1999. A Checklist of Prairie, Shrubland, and Forest Understory Plants of Oklahoma. Fact Sheet No. F-2872. Coop. Ext. Serv., Okla. State Univ., Stillwater. 5p.
- Masters, R. E., C. Green, J. Armstrong, and C. Lee, Revision editors. 2000. Wildlife Habitat Evaluation Program Manual. Coop. Ext. Serv., Oklahoma State Univ., Stillwater. 150p.

- Bidwell, T. G., D. M. Engle, M. E. Mosley, and R. E. Masters. 2000. Invasion of Oklahoma Rangelands and Forests by Eastern Redcedar and Ashe Juniper. Circular E-947. Coop. Ext. Serv., Okla. State Univ., Stillwater. 12p.
- Miller, H., and R. Masters. 2000. Birds as Neighbors. Fact Sheet No. 9006 (Revision). Coop. Ext. Serv., Okla. State Univ., Stillwater. 4p.
- Ditchkoff, S., and R. Masters. 2001. Mourning Dove. Forest Stewardship Wildlife Manage. Notes No. 9. Publ. No. L-275. Coop. Ext. Serv., Okla. State Univ., Stillwater. 8p.
- Masters, R. E. 2001. Ice Damage and the Loblolly/Shortleaf Debate. Okla. Renewable Res. Bull. 16(3):1, 6-7.
- Masters, R. and J. Waymire. 2001. Effects of Timber Harvest and Fire Frequency on Integrated Land Management Options in the Ouachita Mountains. Department of Forestry, Oklahoma State University, Stillwater. 55p.
- Bidwell, T. G., D. M. Engle, M. E. Moseley, and R. E. Masters. 2002 (Revision). Invasion of Oklahoma Rangelands and Forests by Eastern Redcedar and Ashe Juniper. Circular E-947. Coop. Ext. Serv., Okla. State Univ., Stillwater. 12p.
- Masters, R., S. Ditchkoff and S. Farley. 2002. Edge and Other Wildlife Concepts. Forest Stewardship Wildlife Manage. Notes No. 10. Publ. No. L-276. Coop. Ext. Serv., Okla. State Univ., Stillwater. 12p.
- Hitch, K. L., W. Ross and R. Masters. 2002. Selling Your Timber. Fact Sheet No. F-5035. Coop. Ext. Serv., Okla. State Univ., Stillwater. 8p.
- Guthery, F. S., R.E. Masters, and M.D. Porter. 2002. Bobwhites on Oklahoma Farms and Ranches: Management Options for Landowners. Circular E-968. Coop. Ext. Serv., Okla. State Univ., Stillwater. 15p.
- Porter, M. D., R. E. Masters, T. Bidwell, and K. Hitch. 2002. Lease Hunting Opportunities for Oklahoma Landowners. Fact Sheet No. T-5032 (revision). Coop. Ext. Serv., Okla. State Univ., Stillwater. 12p.
- Masters, R. E. 2002. Stoddard Fire Plots. Fact Sheet. Tall Timbers Research Station, Tallahassee. 2p.
- Ditchkoff, S., R. Masters, and K. Hitch. 2003. Biodiversity and Ecosystem Management. Forest Stewardship Wildlife Manage. Notes No. 12. Publ. No. L-314. Coop. Ext. Serv., Okla. State Univ., Stillwater. 8p.
- Bidwell, T. G., D. M. Engle, R. E. Masters, and J. R. Weir. 2003. Fire Effects in Oklahoma. Fact Sheet No. F-2877. Coop. Ext. Serv., Okla. State Univ., Stillwater. 12p.
- Bidwell, T. G., J. R. Weir, J. D. Carlson, M. E. Mosley, R. E. Masters, P. McDowell, D. M. Engle, S. D. Fuhlendorf, J. Waymire, and S. Conrady. 2003 (Revision). Using Prescribed Fire in Oklahoma. Circular E-927. Coop. Ext. Serv., Okla. State Univ., Stillwater. 30p.

- Bidwell, T. A., R. E. Masters, M. Sams, and A. D. Peoples. 2004. Habitat appraisal guide for bobwhite quail. Circ. E-904 (*Revision*). Coop. Ext. Serv., Okla. State Univ., Stillwater. 20p.
- Bidwell, T. G., D. M. Engle, J. R. Weir, R. E. Masters, and J. D. Carlson. 2004. Fire Prescriptions for Maintenance and Restoration of Native Plant Communities. Fact Sheet No. F-2878. Coop. Ext. Serv., Okla. State Univ., Stillwater. 8p.
- Masters, R. E., T. A. Bidwell, and M. Shaw. 2005. Habitat appraisal guide for white-tailed deer. Circ. E-979. Coop. Ext. Serv., Okla. State Univ., Stillwater. 21p.
- Masters, R. E., J. Waymire, T. A. Bidwell, R. Houchin, and K. Hitch. 2006. Influence of timber harvest and fire frequency on plant community development and wildlife: integrated land management options. Circ. E-990. Coop. Ext. Serv., Okla. State Univ., Stillwater. 51p.
- Masters, R. E., J. Waymire, T. A. Bidwell, R. Houchin, and K. Hitch. 2006. Land management options for timber, wildlife and livestock in central and eastern Oklahoma. CD-ROM E-990. Coop. Ext. Serv., Okla. State Univ., Stillwater.
- Masters, R. E., and K. Robertson. 2007. Stoddard Fire Plots. (Revision) Fact Sheet No 1. Tall Timbers Research Station, Tallahassee. 4p.
- Tyrl, R. J., T. A. Bidwell, R. E. Masters, R. D. Elmore, and J.R. Weir. 2007. Oklahoma's Native Plant Communities. Circ. E-993. Coop. Ext. Serv., Okla. State Univ., Stillwater. 14p.

PAPERS PRESENTED - Invited

1990-1994 Presented 8 invited papers (titles available on request)

1995-1999 Presented 13 invited papers (titles available on request)

Masters, R. E. 2000. Ecosystem Overview. Presented at Bureau of Indian Affairs Prescribed Fire and the Environment Workshop. Oklahoma City, Okla. January 3, 2000.

Masters, R. E. 2000. Fire Effects on Flora. Presented at Bureau of Indian Affairs Prescribed Fire and the Environment Workshop. Oklahoma City, Okla. January 3, 2000.

Masters, R. E. 2000. Fire Effects on Wildlife. Presented at Bureau of Indian Affairs Prescribed Fire and the Environment Workshop. Oklahoma City, Okla. January 3, 2000.

Masters, R. E. 2000. Fire Effects and Fire Behavior Research in Oklahoma. Presented at Bureau of Indian Affairs Prescribed Fire and the Environment Workshop. Oklahoma City, Okla. January 3, 2000.

Masters, R. E. 2000. Fire's role in oak-pine forests. Presented at Oklahoma Coop Extension In-Service Prescribed Fire Workshop, Stillwater, Okla. January 25, 2000.

- Masters, R. E. 2000. Oklahoma's Ecosystems and Fire. Presented at Oklahoma Coop Extension In-Service Prescribed Fire Workshop, Stillwater, Okla. January 25, 2000.
- Masters, R. E. 2000. Fire and the Environment. Presented at Bureau of Indian Affairs Prescribed Fire Management Workshop. McAlester, Okla. February 9, 2000.
- Masters, R. E. 2000. Fuel Characterization and Management. Presented at Bureau of Indian Affairs Prescribed Fire Management Workshop. McAlester, Okla. February 9, 2000.
- Masters, R. E. 2000. Costs of Quail Management. Presented at Bollenbach Quail Symposium. Kingfisher, Okla. August 4, 2000.
- Masters, R. E., D. S. Cram, G. A. Bukenhofer, C. W. Wilson, and R. L. Lochmiller. 2000. Influence of Ecosystem Restoration On Nongame Species. Presented at Annual Meeting of The Wildlife Society. Nashville, Tenn. September 15, 2000.
- Masters, R. E. 2000. Silviculture and Wildlife. Presented at Silviculture and Prescribed Fire Continuing Education Workshop. McAlester, Okla. October 10-11, 2000.
- Masters, R. E. 2000. Ecosystem Restoration and Breeding Birds. Presented at USFS Wildlife Biologist Training Workshop. Broken Bow, Okla. October 24-26, 2000.
- Masters, R. E. 2001. Fire Ecology of Oklahoma. Presented at U.S. Army Corp of Engineers Prescribed Fire Workshop, State Training, Stillwater, Okla. January 8, 2001.
- Masters, R. E. 2001. Fire's role in oak-pine forests. Presented at U.S. Army Corp of Engineers Prescribed Fire Workshop, State Training, Stillwater, Okla. January 11, 2001.
- Masters, R. E. 2001. Fire Ecology of Oklahoma. Presented at U.S.D.A. Natural Resource Conservation Service (NRCS) Prescribed Fire Workshop, Southwestern Region, Stillwater, Okla. January 22, 2001.
- Masters, R. E. 2001. Fire's role in oak-pine forests. Presented at U.S.D.A. Natural Resource Conservation Service (NRCS) Prescribed Fire Workshop, Southwestern Region, Stillwater, Okla. January 25, 2001.
- Masters, R. E. 2001. Fire Ecology of Oklahoma. Presented at U.S. Army Corp of Engineers Prescribed Fire Workshop, Regional Training, Stillwater, Okla. January 29, 2001.
- Masters, R. E. 2001. Fire's role in oak-pine forests. Presented at U.S. Army Corp of Engineers Prescribed Fire Workshop, Regional Training, Stillwater, Okla. February 1, 2001.
- Masters, R. E. 2001. Fire Ecology of Oklahoma. Presented at U.S.D.A. Natural Resource Conservation Service (NRCS) National Prescribed Fire Workshop, Stillwater, Okla. February 6, 2001.
- Masters, R. E. 2001. Fire's role in oak-pine forests. Presented at U.S.D.A. Natural Resource Conservation Service (NRCS) National Prescribed Fire Workshop, Stillwater, Okla. February 8, 2001.

- Masters, R.E. 2002. Restoration ecology: distinguishing the dream from reality. Seminar at the J. W. Jones Ecological Research Center, Newton, Georgia. September 12, 2002.
- Masters, R.E. 2002. Developing a framework for pine-bluestem community restoration in the interior highlands of Arkansas and Oklahoma. Eastern Native Grass Symposium, Chapel Hill, NC. October 1, 2002.
- Masters, R. E. 2003. Fire Ecology and Research at Tall Timbers Research Station. Stoddard Fire Plots and Wade Tract Field Trip. National Course for Prescribed Fire Training Center (PFTC-NIFC), Tall Timbers Research Station, Tallahassee, FL. February 4, and April 8, 2003.
- Masters, R.E. 2003. Three presentations: Fire history and ecology; Effects of fire on soils; and Effects of fire on plants. USDA Forest Service, PASS course (Program of Advanced Studies in Silviculture), Atlanta, GA. January 29, 2003.
- Masters, R.E. 2003. Tall Timbers and the Red Hills Region–Prescribed fire for wildlife. (Invited) Wildlife Course: Prescribed fire, wildlife and habitat management in Florida, Corbett Wildlife Management Area. May 1-2, 2003.
- Masters, R.E. 2003. Restoration ecology: distinguishing the dream from reality. Seminar for Contemporary Issues Class in Forestry, Wildlife and Fisheries Department at the University of Tennessee, Knoxville, TN. October 30, 2003.
- Masters, R.E. 2004. Pine-bluestem Ecology. Southeast Quail Study Group Annual Meeting. Morrilton, Arkansas. August 3, 2004.
- Masters, R.E., R. Walsh, D. Cram, F. Guthery, and W. Montegue 2004. Northern Bobwhite Response to Pine-bluestem Restoration. Southeast Quail Study Group Annual Meeting. Morrilton, Arkansas. August 3, 2004.
- Masters, R. E. 2004. Fire – The missing ingredient for natural regeneration and management of southern pines. Joint Conference, Society of American Foresters and Canadian Institute of Forestry, Edmonton, Alberta, Canada. October 5, 2004.
- Robertson, K. M., W. E. Palmer, and R. E. Masters. 2004. Fire-Use it or loose it! 4th Longleaf Alliance Conference, October 15, 2004, Hattiesburg, MS
- Masters, R.E. 2004. Tall Timbers and the Red Hills Region–Prescribed fire for wildlife. Wildlife Course: Prescribed fire, wildlife and habitat management in Florida, Florida Fish and Wildlife Conservation Commission, Jacksonville, FL. May 20, 2004.
- Masters, R. E. 2005. Fire Ecology and Research at Tall Timbers Research Station. Stoddard Fire Plots and Wade Tract Field Trip. National Course for Prescribed Fire Training Center (PFTC-NIFC), Tall Timbers Research Station, Tallahassee, FL. January 11, 2005.

- Masters, R.E. 2005. Tall Timbers and the Red Hills Region–Prescribed fire for wildlife. Wildlife Course: Prescribed fire, wildlife and habitat management in Florida, Florida Fish and Wildlife Conservation Commission, Tall Timbers Research Station, Tallahassee, FL. May 2-6, 2005.
- Masters, R.E. 2005. Forest Management for Quail and Other Wildlife. National Quail Unlimited Conference, Seminar Series. Atlanta, GA. July 28-30, 2005.
- Masters, R.E. 2005. Fire-How to Use Our Most Effective Tool. National Quail Unlimited Conference, Seminar Series. Atlanta, GA. July 28-30, 2005.
- Masters, R.E. 2006. Four presentations: Ecosystems Overview: Fire Regimes; Effects of fire on soils; Effects of fire on plants; and Effects of Fire on Wildlife. USDA Forest Service, PASS course (Program of Advanced Studies in Silviculture), Atlanta, GA. February 7, 2006.
- Masters, R.E. 2006. Two presentations: Ecosystem Overview: Fire Regimes and Effects of fire on Vegetation. USDA NRCS, Fire in Ecosystem Management course, Clayton, OK. March 19-23, 2006.
- Masters, R.E. 2006. McCurtain County Wilderness Area: Squirrels in the Treetops? 7th Eastern Old Growth Conference, Little Rock, AR. March 24-25, 2006.
- Masters, R. E. 2006. Options for natural regeneration of longleaf pine. Tall Timbers Forest Stewardship Field Day, New Hope Plantation, Thomasville, GA. April 21, 2006.
- Masters, R.E. 2006. Long-term studies provide essential ecological information for management of grasslands and savannas. *Plenary Speaker*. Annual Conference Grassland Society of South Africa July 16-21, 2006, Bella Bella, South Africa.
- Masters, R.E. 2006. Long-term studies provide essential ecological information for management of grasslands, savannas and woodlands. Invited Seminar. University of Kwa-Zulu Natal, Pietermaritzburg, South Africa.
- Masters, R.E. 2006. Long-term studies provide essential ecological information for management of grasslands, savannas and woodlands. Invited Seminar. University of Ft. Hare, Alice, South Africa.
- Masters, R. E. 2006. The importance of shortleaf pine for wildlife and diversity in mixed oak-pine forests and in pine-grassland woodlands. *Plenary Speaker*. A Conference: Shortleaf Pine Ecology and Management. November 6-9, 2006. Springfield, MO.
- Masters, R.E. 2007. Tall Timbers and the Red Hills Region–Prescribed fire for wildlife; Fire Behavior and Vegetation Response. Fire Management for Wildlife Course: Prescribed fire, wildlife and habitat management in Florida, Florida Fish and Wildlife Conservation Commission, Corbett Wildlife Management Area, West Palm Beach, FL. March 19-22, 2007.
- Masters, R. E. 2007. Some applications of fire history information in Natural Resources Management: use, abuse and limitations. Fire History Workshop: Lessons from Fire History: Past and Future. October 25, 2007, University of Missouri-Columbia, MO.

PAPERS PRESENTED - Other

1985-1989 Presented 3 papers (titles available on request)

1990-1994 Presented 13 papers (titles available on request)

1995-1999 Presented 27 papers (titles available on request)

Engle, D., R. Chapman, R. Masters, and D. Leslie, Jr. 2000. Effects of grassland-invasive *Juniperus virginiana* on avian communities. In Abstracts of Papers. Annual Meeting of the Ecological Society of America.

Cram, D. S., R. E. Masters, F. S. Guthery, D. M. Engle, and W. G. Montague. 2000. Response of northern bobwhite and habitat to thinning and burning in mixed shortleaf pine-oak forests. Presented at Annual Meeting The Wildlife Society. Nashville, Tenn. September 15, 2000.

Masters, R. E. 2003. Panel discussion on the practice of prescribed fire for habitat management. (Invited) Prescribed Fire, Wildlife and Habitat Management in Florida, Corbett Wildlife Management Area. May 2, 2003.

Sparks, J. C., R. E. Masters, D. M. Engle, G. A. Bukenhofer, and M. E. Payton. 2005. Comparison of BEHAVE predictions with observed fire behavior varying by season and frequency. Presented at: 23rd Tall Timbers Fire Ecology Conference, October 17-20, 2005. Bartlesville, Oklahoma.

Cram, D. S., R. E. Masters, F. S. Guthery, D. M. Engle, and W. G. Montague. 2006. Usable space versus food quantity in bobwhite management. Gamebird 2006: Managing Gamebirds in the 21st Century, A Joint Conference of Quail VI and Perdix XII. May 31- June 4, 2006. Athens, Georgia.

Noble, C. L., B. Davenport, D. Brownlie, P. Seamon, R. E. Masters and K. Robertson. 2006. Southeast Fire Ecology Partnership. Presented at: 3rd International Fire Ecology and Management Congress, November 12-17, 2006. San Diego, California.

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