

BONNIE B. AMOS

EDUCATION

1981	University of Oklahoma Norman, Oklahoma	Doctor of Philosophy	Botany (Systematics)
1976	Angelo State University San Angelo, Texas	Master of Science	Biology
1973	Angelo State University San Angelo, Texas	Bachelor of Science	Biology

ACADEMIC APPOINTMENTS

1995- Present	Professor, Angelo State Natural History Collections Herbarium Curator, Angelo State University, San Angelo, Texas.
1995- 2001	Head of Department of Biology, Professor, Herbarium Curator, Angelo State University, San Angelo, Texas.
1990- 1995	Head of Department of Biology, Associate Professor, Angelo State University, San Angelo, Texas.
1988- 1990	Head of Department of Biology, Assistant Professor, Angelo State University, San Angelo, Texas.
1987- 1988	Assistant Professor, Department of Biology, Angelo State University, San Angelo, Texas.
1987	Interim Professor, Texas Tech University Biological Station, Junction, Texas.
1982- 1987	Assistant Professor, Department of Biology, Baylor University, Director of Freshman Biology for Non-majors Herbarium Curator, Director of Greenhouse.
1981- 1982	Lecturer, Department of Biology, Baylor University, Herbarium Curator, Director of Greenhouse.
1979- 1981	Assistant Curator of Robert Bebb Herbarium, University of Oklahoma, Department of Botany/Microbiology.

- 1978 Interim Curator of Robert Bebb Herbarium, University of Oklahoma.
1979
- 1977 Teaching Assistant, University of Oklahoma Biological Station, Kingston,
Oklahoma.
- 1976- Teaching Assistant, University of Oklahoma Department of
1979 Botany/Microbiology.

PROFESSIONAL EXPERIENCE

- 2000- Big Bend National Park Plant Management Team.
2004
- 1992- Plant Recovery Team for the State of Texas, U.S. Fish and Wildlife
2000 Service.
- 1990- Endangered Resources Technical Advisor, Texas Parks and Wildlife.
1998
- 1990 Consultant, endangered species site survey for Coleman County
Electric Cooperative.
- 1990 Technical consultant for National Geographic Society *World*
article "Our Endangered Wildlife", Feb. 1990 edition.
- 1989 Interviewed for *Made in Texas* (a PBS television documentary
on endangered species).
- 1982- Stewardship Committee, Leonhardt Prairie, Texas Nature
1987 Conservancy.
- 1981 Consultant, Endangered Plant Species, Mescalero Apache Indian Reservation, New
Mexico.
- 1980 Consultant, National Landmark Program, Nebraska, South Dakota and North
Dakota.
- 1979 Consultant, Endangered Plant Species, U.S. Fish and Wildlife Service.
- 1979 Botany Discipline Manager, Ecological Assessment of Bull Creek, White County,
Arkansas.
- 1979 Technical consultant, *Prairie Flowers: Between Earth and Sky*, (by Estes and
McGuire).

- 1978-1981 Botanist, Benham-Blair & Affiliates, Inc., Environmental Services Division, Oklahoma City, Oklahoma.
- 1978 Consultant, Soil Conservation Service for Endangered Plant Species Field Survey in Great Plains Conservation Program, Runnels County, Texas.
- 1978 Consultant, collection and identification of aquatic plants for cancer research, University of Oklahoma Department of Chemistry.
- 1978 Research Assistant, Study of Threatened and Endangered Plants in Oklahoma. U.S. Fish and Wildlife Service.
- 1978 Research Assistant, Study of Threatened and Endangered Plants in the Southeast Oklahoma Federal Coal Reserve Areas. Bureau of Land Management.
- 1977 Research Assistant, Environmental Impact Study for Grand River Dam Authority. Technology Research & Development Inc., Oklahoma City, Oklahoma.

TEACHING EXPERIENCE

- Fall 1987 - Present Angelo State University (Assistant Professor-Professor)
 Principles of Biology (Lecture and Lab)
 Human Biology (Lecture and Lab)
 Man and the Environment (Lecture and Lab)
 Plant Form and Function/General Botany (Lecture and Lab)
 Plant and Animal Diversity (Lecture and Lab)
 Taxonomy of the Seed Plants/Plant Taxonomy (Lecture and Lab)
 Plant Systematics/Biosystematics (graduate course) (Lecture and Lab)
 Advanced Biology (graduate course, team taught)
 Medical Botany
 Plant Physiology
 Seminar
- Summer 1987 Texas Tech University Biological Station (Interim Professor)
 Taxonomy of the Flowering Plants (Lecture and Lab)
- Fall 1981 - Summer 1987 Baylor University (Assistant Professor)
 General Biology for Non-Majors (Coordinator) (Lecture and Lab)
 Spring Flora (Lecture and Lab)
 Readings in Evolution
 Taxonomy of the Flowering Plants (Lecture and Lab)
 Medical Botany
 Topics in Evolution
 Honors Research
- Fall 1976 - Spring 1979 University of Oklahoma (Graduate Assistant)
 Plant Ecology

Plant Community Ecology (graduate course)
 Evolution and Classification of Flowering Plants (graduate course)
 Plant Taxonomy (Lab)

PUBLICATIONS

Peer-Reviewed

- 2007 Keith, S.E. & Amos, B. 2007. Playing fields and rare plants: A winning combination. *Recreational Sports Journal*, 31 (1), 21-25.
- 2006 Keith, S.E. & Amos, B. 2006. A unique partnership between community recreation and rare plant conservation. *Research Quarterly for Exercise and Sport*, 77(1), A-35.
- 1994 Amos, B. 1994. Economics and Biology: An Analogy for the Presentation of the Niche Concept" in *Biology Labs That Work: The Best of How-To-Do Its*, National Association of Biology Teachers.
- 1985 Amos, B. 1985. Economics and Biology: An Analogy for the Presentation of the Niche Concept", *American Biology Teacher*.

Non-Peer Reviewed

- 2003 Amos, Bonnie and Charmaine Delmateur. 2003. Case History; Texas Poppy Mallow. In Proceedings of the Saltcedar and Water Resources in the West Symposium.
- 2001 Amos, Bonnie. 2001. The Life History and Vulnerability of the Endangered Texas Poppy Mallow (*Callirhoe scabriuscula*, Malvaceae). In Proceedings of the Texas Rare Plant Conference.
- 2001 Amos, Bonnie and Christos Vassiliou. 2001. Preliminary report on the reproductive biology of the threatened Chisos Mountain Hedgehog Cactus (*Echinocereus chisoensis*). In J. Maschinski. 2001. Proceedings of the Third Southwestern Rare and Endangered Plant Conference, Flagstaff, AZ.
- 1995-2000 Amos, B. B. (ed.), "ASU Man and the Environment Laboratory Manual", Burgess International Group [4th, 5th, 6th editions with Ann Boyd].
- 1995-2000 Amos, B. B. (ed.), "ASU Human Biology Laboratory Manual", Burgess International Group [4th, 5th, 6th editions with Ann Boyd].
- 1999 Amos, B. B. 1999. "Laboratory Manual for General Botany", Burgess International Group.
- 1997 "Book Review: Floral Biology, Studies on Floral Evolution in Animal Pollinated Plants". *Systematic Botany* 22: 411-412.
- 1996 "Texas Poppy Mallow". *Native Plant Society of Texas News*, Volume XIV (2).

- 1988 "Pollination Ecology and Reproductive Biology of the Texas Trout Lily", Abstract for the Proceedings of the Texas Women Scholars: First Annual Symposium.
- 1988 "Laboratory Manual for General Biology, (with M. Taylor), Burgess International Group, Bellwether Press.
- 1988 *Vegetation of the Edwards Plateau, Texas*, eds. Amos and F. Gehlbach. Baylor University Press.
- 1988 "Floristic Geography of Woody and Endemic Plants", (Amos and C. Rowell, Jr.) in *Vegetation of the Edwards Plateau, Texas*. Baylor University Press.
- 1986 "Vegetational Dynamics of the Leonhardt Prairie", Proceedings of the Tenth North American Prairie Conference.
- 1985 "Texas Wildflower Resource Unit", Learning packet (text, 35 mm slides, line drawings), being used in District I by elementary school teachers.
- 1983 "Pollination from Two Perspectives: The Agricultural and Biological Sciences" (with J. R. Estes and J. Sullivan) in C. E. Jones and Little (eds). *Handbook of Experimental Biology*, Van Nostrand, pages 536-554.
- 1981 "Reproductive Studies in the genus *Callirhoe*" (Malvaceae). Doctoral Dissertation, University of Oklahoma.
- 1976 "The Biology of *Penstemon baccharifolius*". Master of Science Thesis, Angelo State University.

Technical Reports

- 2009 "Argythamnia aphoroides Texas Army National Guard Camp Bowie Training Center Mapping Project Report", Texas Adjutant General's Department.
- 2009 "Natural History of the Hill Country Wild Mercury (*Argythamnia aphoroides*, Euphorbiaceae) at Camp Bowie Training Center, Brown County, Texas", Texas Adjutant General's Department.
- 1996 "Status Report for *Bonamia ovalifolia*", U.S. Fish and Wildlife Service.
- 1986 "Ecological Analysis and Element Abstract of A Blackland Prairie Plant Community", Texas Nature Conservancy.
- 1983 "Recovery Plan for the Endangered Texas Poppy-Mallow", to U.S. Fish and Wildlife Service.
- 1979 Vegetation resources in: "Draft Environment and Licensing Report Proposed Bull Creek Reservoir, White County, Arkansas". Prepared for the Mid-Arkansas Regional Water Distribution District.

- 1978 Biotic environment in: "Biophysical Effects Study Lowry Air Force Base, Colorado". U.S. Air Force.
- 1978 Biotic environment in: "Biophysical Effects Study Goodfellow Air Force Base, Texas". U.S. Air Force.
- 1978 Biotic environment in "Biophysical Effects Study Kingsley Field, Oregon". U.S. Air Force.