

**CURRICULUM VITAE**  
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**ACADEMIC HISTORY**

- Ph.D. - Michigan State University - 1967 - (Zoology) - Gibbons, J. W. (1967). Population Dynamics and Ecology of the Painted Turtle, *Chrysemys picta*. Department of Zoology, Michigan State University: 111pp.
- M.S. - University of Alabama - 1963 - (Biology) - Gibbons, J. W. (1963). A Study of Variation in the Ring-Necked Snake *Diadophis punctatus* (Linnaeus) in Alabama. Department of Biology, University of Alabama: 41 pp.
- B.S. - University of Alabama - 1961 - (Biology)

**CURRENT RANKS AND POSITIONS - University of Georgia (UGA)**

Retired June 2008 as Professor Emeritus of Ecology, University of Georgia and Senior Research Ecologist, Savannah River Ecology Lab (SREL)

Current Position: Head, SREL Environmental Outreach and Education Program

**OTHER PROFESSIONAL POSITIONS**

Head, SREL Environmental Outreach and Education Program, 1990-2009

Research Associate, Department of Vertebrate Zoology, National Museum of Natural History - Smithsonian Institution - 1986-2004

Curator of Herpetology, Alabama Museum of Natural History, University of Alabama - 1994-2007

Visiting Postdoctoral Fellow (sabbatical) - Division of Amphibians and Reptiles,

National Museum of Natural History - Smithsonian Institution - 1984-85

Visiting Research Scientist (sabbatical) - Museum of Zoology, University of Michigan - 1975-76

NIH Postdoctoral Fellow - UGA Savannah River Ecology Laboratory - 1967-68

University Adjunct Professorships (currently or formerly for supervision of graduate students):

Florida International    Michigan State    Texas A&M    Duke

Memphis State    Wake Forest    Clemson

### RESEARCH INTERESTS AND SCIENTIFIC PUBLICATIONS

My research interests focus on the population dynamics and ecology of aquatic and semi-aquatic vertebrates and have involved detailed population studies of fish, amphibians, and reptiles, particularly turtles. One objective has been to determine functional relationships between population parameters (e.g., survivorship, reproductive output, dispersal rate) and environmental conditions. A recent focus has been on documenting and explaining the distribution and abundance patterns of herpetofauna. The ultimate goals have been to explain findings at the ecological and evolutionary levels. An emphasis has been placed on application of basic research to environmental impact and conservation issues, particularly in regard to natural and degraded wetlands.

### PUBLICATIONS

#### BOOKS

***TURTLES OF THE SOUTHEAST.*** 2008. K. A. Buhlmann, T. D. Tuberville, and **Whit Gibbons** University of Georgia Press. Athens, GA.

***FROGS AND TOADS OF THE SOUTHEAST.*** 2008. M. E. Dorcas and **Whit Gibbons** and University of Georgia Press. Athens, GA. - to be published summer 2008

***AMPHIBIANS AND REPTILES OF GEORGIA.*** 2008. J. Jensen, C. Camp, M. Elliott, and **Whit Gibbons**. University of Georgia Press. Athens, GA. -

***SNAKES OF THE SOUTHEAST.*** 2005. **Whit Gibbons** and Michael E. Dorcas University of Georgia Press. Athens, GA. Winner of the National Outdoor Book Award.

***NORTH AMERICAN WATERSNAKES: A NATURAL HISTORY.*** 2004. **J. Whitfield Gibbons** and M. E. Dorcas. University of Oklahoma Press

***COMPENSATING FOR WETLAND LOSSES UNDER THE CLEAN WATER ACT.*** 2001. Zedler, J., L. Shabman, V. Alvarez, R. O. Evans, R. C. Gardner, **J. Whitfield Gibbons**, J.W. Gilliam, C. A. Johnston, W. J. Mitsch, K. Prestegard, A. M. Redmond, C. Simenstad, and R. E. Turner. National Academy Press. Washington, DC.

***REPTILES AND AMPHIBIANS.*** 2001. Latimer, J. P., and K. S. Nolting (eds.) with **J. Whitfield Gibbons**. Revised and updated Golden Guide to Reptiles by H. S. Zim and H. M. Smith. Golden Guide from St. Martin's Press. 160 pp.

***ECOVIEWS: SNAKES, SNAILS, AND ENVIRONMENTAL TALES.*** 1998. **Whit Gibbons** and Anne Gibbons. University of Alabama Press. Choice Outstanding Academic Book Award 1999.

- SNAKES OF GEORGIA AND SOUTH CAROLINA.*** 1998. **Whit Gibbons** and Patricia J. West, eds. 3<sup>rd</sup> printing. Savannah River Ecology Laboratory Herp Outreach Publication 1, Aiken, South Carolina 29802. ISBN 0-9667402-0-3. 28 p. 176 color photographs.
- REPTILE AND AMPHIBIAN STUDY.*** 1994. **Whit Gibbons.** Official booklet for Merit Badge Series of Boy Scouts of America.
- KEEPING ALL THE PIECES: PERSPECTIVES ON NATURAL HISTORY AND THE ENVIRONMENT.*** 1993. **Whit Gibbons.** Smithsonian Institution Press. Currently in 2nd printing.
- GUIDE TO THE REPTILES AND AMPHIBIANS OF THE SAVANNAH RIVER SITE.*** 1991. **J. Whitfield Gibbons** and R. D. Semlitsch. University of Georgia Press.
- LIFE HISTORY AND ECOLOGY OF THE SLIDER TURTLE.*** 1990. **J. Whitfield Gibbons.** Smithsonian Institution Press. Currently in 3<sup>rd</sup> printing.
- POISONOUS PLANTS AND VENOMOUS ANIMALS OF ALABAMA.*** 1990. **Whit Gibbons,** R.R. Haynes and J. L. Thomas. University of Alabama Press.
- FRESHWATER WETLANDS AND WILDLIFE: PERSPECTIVES ON NATURAL, MANAGED AND DEGRADED ECOSYSTEMS.*** 1989. R. R. Sharitz and **J. Whitfield Gibbons** (eds.). USDOE CONF-8603101. Office of Scientific and Technical Information, U.S. Dept. of Energy, Oak Ridge, TN.
- THEIR BLOOD RUNS COLD: ADVENTURES WITH REPTILES AND AMPHIBIANS.*** 1983. **Whit Gibbons.** University of Alabama Press. Currently in 5th printing.
- ENERGY AND ENVIRONMENTAL STRESS IN AQUATIC SYSTEMS.*** 1978. James H. Thorp and **J. Whitfield Gibbons** (eds.). DOE Symposium Series, CONF-771114). Technical Information Center, Oak Ridge, TN.
- THERMAL ECOLOGY.*** 1974. **J. Whitfield Gibbons** and Rebecca R. Sharitz (eds.). AEC Symposium Series, (CONF-730505). Technical Information Center, Oak Ridge, TN.

**JOURNAL ARTICLES, BOOK CHAPTERS, MONOGRAPHS, SYMPOSIUM PROCEEDINGS (includes co-authored publications with undergraduate students also listed under Undergraduate Supervision)**

**PUBLICATIONS -- 2000-2008**

- Gibbons, J. Whitfield, and Kimberly A. Andrews. 2004. PIT tagging: Simple technology at its best. **BioScience (Cover Article)** 54:447-454.
- Gibbons, J. Whitfield, D. E. Scott, T. Ryan, K. Buhlmann, T. Tuberville, J. Greene, T. Mills, Y. Leiden, S. Poppy, C. Winne, and B. Metts. 2000. The Global Decline of Reptiles, Déjà Vu Amphibians. **BioScience (Cover Article)** 50: 653-666.
- Gibbons, J. Whitfield., C. T. Winne, D. E. Scott, J. D. Willson, X. Glaudas, K. M. Andrews, B. D. Todd, L. A. Fedewa, L. Wilkinson, R. N. Tsaliagos, S. J. Harper, J. L. Greene, T. D. Tuberville, B. S. Metts, M. E. Dorcas, J. P. Nestor, C. A. Young, T. Akre, R. N. Reed, K. A. Buhlmann, J. Norman, D. A. Croshaw, C. Hagen and B. B. Rothermel (2006). Remarkable Amphibian Biomass and Abundance in an Isolated Wetland: Implications for Wetland Conservation. **Conservation Biology** 20: 1457-1465.

- Gibbons, J. Whitfield. 2003. Terrestrial habitat: A vital component for herpetofauna of isolated wetlands. **Wetlands** 23: 630-635.
- Gibbons, J. Whitfield, and M. E. Dorcas. 2002. Defensive behavior of cottonmouths (*Agkistrodon piscivorus*) towards humans. **Copeia** 2002 (1): 195-198
- Gibbons, J. Whitfield, J. E. Lovich, A. D. Tucker, N. N. FitzSimmons, and J. L. Greene. 2001. Demographic and ecological factors affecting conservation and management of the diamondback terrapin (*Malaclemys terrapin*) in South Carolina. **Chelonian Conservation and Biology** 4: 66 – 74.
- Gibbons, J. W. 2002. Foreword and Afterword. Life-Histories of the Frogs of Okefinokee Swamp, Georgia. by Albert Hazen Wright, **Cornell University Press**. 2: xvii-xx;479-486. - **Book Chapters**
- Gibbons, J. W. 2003. Chapter 17 - Societal Values and Attitudes: History and Sociological Impact on Amphibian Conservation Problems. Amphibian Conservation. R. D. Semlitsch, **Smithsonian Institution Press**: 214-227. - **Book Chapter**
- Gibbons, J. W. 2005 Embracing human diversity in conservation. Chapter in Declining Amphibians. Edited by M. Lannoo. **University of California Press**: 15-16. - **Book Chapter**
- Gibbons, J. Whitfield, and K.A. Buhlmann. 2001. Recommendations for enhancing herpetofaunal biodiversity in southern forests; Chapter 28, pages 372-390 in Wildlife of Southern Forests: Habitat and Management. James Dickson (ed). **Hancock House Publishers**, Blaine, WA. - **Book Chapter**
- Gibbons, J. Whitfield, and Karen L. McGlothlin. 2003. A Changing Balance: An Ecological Perspective on the Loss of Biodiversity. Chapter in, Loss of Biodiversity: Exploring Environmental Challenges - A Multidisciplinary Approach. Sharon L. Spray & eds.) **Rowman & Littlefield Publishers, Inc.**: 29-54. - **Book Chapter**
- Gibbons, J. Whitfield. 2001. Environmental Literacy, Chapter 13, pages 277 - 286 in, Holistic Science: The Evolution of the Georgia Institute of Ecology (1940-2000), G. W. Barrett and T. L. Barrett, eds. **Taylor & Francis**. NY. - **Book Chapter**
- Gibbons, J. Whitfield. 2005. Keynote Address: 35 years of turtle research and conservation: lessons for the future, in Proceedings of the Twenty-First Annual Symposium on Sea Turtle Biology and Conservation. pp. 5. **NOAA Technical Memorandum NMFS-SEFSC-528**. - **Book Chapter**
- Gibbons, J. W. 2005. Zoology. **Encyclopaedia Britannica – Book of the Year**. (pp. 215-216).
- Andrews, K. M. and J. W. Gibbons. 2005. How do highways influence snake movement? Behavioral responses to roads and vehicles. **Copeia** 2005(4): 772-782,
- Andrews, K. M. and J. W. Gibbons. 2006. Dissimilarities in behavioral responses of snakes to roads and vehicles have implications for differential impacts across species. International Conference on Ecology and Transportation, Center for Transportation and the Environment, North Carolina State University, Raleigh, NC. - **Symposium Proceedings**
- Buhlmann, K. A., and J. W. Gibbons. 2001. Terrestrial habitat use by aquatic turtles from a seasonally fluctuating wetland: Implications for wetland conservation. **Chelonian Conservation and Biology** 4: 115 – 127.
- Buhlmann, K. A., C. Hagen, T. D. Tuberville and J. W. Gibbons. 2005. Asian turtle natural history research at the University of Georgia Savannah River Ecology Laboratory. **Turtle**

- Survival Alliance** July 2005: 9-10,
- Buhlmann, K. A., T. D. Tuberville, Y. Leiden, T. J. Ryan, S. Poppy, C. T. Winne, J. L. Greene, T. M. Mills, D. E. Scott, and J. W. Gibbons. 2005. Amphibians and Reptiles. Book chapter in, *Ecology and Management of a Forested Landscape: Fifty Years of Environmental Stewardship on the Savannah River Site*. John C. Kilgo (ed.). **Island Press**. U.S. Forest Service. Aiken, SC. 203-223. - **Book Chapter**
- Burke, V.J., J.E. Lovich and J. Whitfield Gibbons 2000. Conservation of freshwater turtles. *Turtle Conservation*. Michael W. Klemens. Smithsonian Institution Press, Washington and London: 156-179. - **Book Chapter**
- Daszak, P., D. E. Scott, A. M. Kilpatrick, C. Faggioni, J. W. Gibbons and D. Porter. 2005. Amphibian population declines at Savannah River Site are linked to climate, not chytridiomycosis. **Ecology** 86(12): 3232-3237,
- Dorcas, M. E., J. D. Willson, J. Whitfield Gibbons. 2007. Crab trapping causes population decline and demographic changes in diamondback terrapins over two decades. **Biological Conservation** 137: 334-340.
- Dorcas, M. E., S. M. Poppy, C. H. Ernst and J. W. Gibbons. 2003. *Regina alleni* (Striped crayfish snake). **Catalogue of American Amphibians and Reptiles** 778: 1-778.4.
- Ernst, C. H., J. W. Gibbons and M. E. Dorcas 2002. *Regina* Baird and Girard (Crayfish Snakes). **Catalogue of American Amphibians and Reptiles**: 756.1-756.4.
- Glaudas, X. A., K. M. Andrews, J. D. Willson, and J. W. Gibbons. 2007. Migration patterns in a population of cottonmouths (*Agkistrodon piscivorus*) inhabiting an isolated wetland. **Journal of Zoology**, London 271:119-124.
- Glaudas, X. and J. W. Gibbons. 2005. Do thermal cues influence the defensive strike of cottonmouths (*Agkistrodon piscivorus*)? **Amphibia-Reptilia** 26: 264-267,
- Hoyle, M.E. and J. Whitfield Gibbons. 2000. Use of marked population of diamondback terrapins (*Malaclemys terrapin*) to determine impacts of recreational crab pots. **Chelonian Conservation and Biology** 2000: 735-737.
- Meshaka, W. E. and J. W. Gibbons. 2006. *Kinosternon subrubrum* - Eastern Mud Turtle. **Chelonian Research Monographs** 3: 189-196.
- Minahan, K., G. L. Mills, S. Hayden and J. W. Gibbons 2002. An assessment of hydrocarbon contamination derived from roofing material coverboards. **Herpetological Review** 33: 36-38.
- Pechmann, J.H.K., R.A. Estes, D.E. Scott and J. Whitfield Gibbons. 2001. Amphibian colonization and use of ponds created for trial mitigation of wetland loss. **Wetlands** 21:93-111.
- Peles, J.D., T. Philippi, M.H. Smith, I.L. Brisbin, Jr., and J. Whitfield Gibbons. 2000. Seasonal variation in radiocesium levels of largemouth bass (*Micropterus salmoides*): Implications for humans and sensitive wildlife species. **Environmental Toxicology and Chemistry**. 19(7): 1830-1836.
- Ryan, T. J., T. Philippi, Y. A. Leiden, M. E. Dorcas, T. B. Wigley and J. W. Gibbons 2002. Monitoring herpetofauna in a managed forest landscape: effects of habitat types and census techniques. **Forest Ecology and Management** 167: 83-90.
- Scott, David E., Brian S. Metts and J. W. Gibbons. 2002. Seasonal Wetlands and Golf Courses. **USGA Turfgrass and Environmental Research Online**. 4:1-7.

- Steen, D. A., M. J. Aresco, S. G. Beilke, B. W. Compton, E. P. Condon, C. K. Dodd, Jr., H. Forrester, J. W. Gibbons, J. L. Greene, G. Johnson, T. A. Langen, M. J. Oldham, D. N. Oxier, R. A. Saumure, F. W. Schueler, J. M. Sleeman, L. L. Smith, J. K. Tucker and J. P. Gibbs. 2006. Relative vulnerability of female turtles to road mortality. **Animal Conservation** 9: 269-273
- Steen, D. A., M. J. Aresco, S. G. Beilke, B. W. Compton, E. P. Condon, C. K. Dodd, Jr., H. Forrester, J. W. Gibbons, J. L. Greene, G. Johnson, T. A. Langen, M. J. Oldham, D. N. Oxier, R. A. Saumure, F. W. Schueler, J. M. Sleeman, L. L. Smith, J. K. Tucker and J. P. Gibbs. 2006. Relative vulnerability of female turtles to road mortality. **Animal Conservation** 9: 269-273.
- Taylor, B. E., D. E. Scott and J. W. Gibbons. 2006. Catastrophic reproductive failure, terrestrial survival, and persistence of the marbled salamander. **Conservation Biology** 20: 792-801.
- Taylor, B. E., D. E. Scott and J. W. Gibbons. 2006. Catastrophic reproductive failure, terrestrial survival, and persistence of the marbled salamander. **Conservation Biology** 20: 792-801.
- Tuberville, T. D., E. E. Clark, K. A. Buhlmann and J. W. Gibbons. 2005. Translocation as a conservation tool: site fidelity and movement of repatriated gopher tortoises (*Gopherus polyphemus*). **Animal Conservation (Cover Article)** 2005(8): 349-358.
- Tuberville, T. D., J. D. Willson, M. E. Dorcas and J. W. Gibbons. 2005. Herpetofaunal species richness of southeastern national parks. **Southeastern Naturalist (Cover Article)** 4: 537-569.
- Tuberville, T. D., J. R. Bodie, J. Jensen, L. Laclaire, and J. Whitfield Gibbons. 2000. Apparent decline of the southern hog-nosed snake, (*Heterodon simus*). **Journal of the Elisha Mitchell Scientific Society** 116: 19-40.
- Tucker, A. D., J. W. Gibbons and J. L. Greene. 2001. Estimates of adult survival and migration for diamondback terrapins: conservation insight from local extirpation within a metapopulation. **Canadian Journal of Zoology** 79: 2199-2209
- Wilkinson, L. R. and J. W. Gibbons. 2005. Patterns of reproductive allocation: Clutch and egg size variation in three freshwater turtles. **Copeia** 2005(4): 868-879.
- Willson, J. D., C. T. Winne, M. E. Dorcas and J. W. Gibbons (2006). Post-drought responses of semi-aquatic snakes inhabiting an isolated wetland: Insights on different strategies for persistence in a dynamic habitat. **Wetlands** 26: 1071-1078.
- Winne, C. T., and J. W. Gibbons 2004. *Nerodia erythrogaster flavigaster* (Yellowbellied Watersnake). **Herpetological Review** 35(3): 293.
- Winne, C. T., J. D. Willson and J. W. Gibbons. 2006. Income breeding allows an aquatic snake *Seminatrix pygaea* to reproduce normally following prolonged drought-induced aestivation. **Journal of Animal Ecology** 75: 1352-1360.
- Winne, C. T., J. D. Willson, B. D. Todd, K. M. Andrews and J. W. Gibbons. 2007. Enigmatic Decline of a Protected Population of Eastern Kingsnakes, *Lampropeltis getula*, in South Carolina. **Copeia** 2007(3): 507-519.

**PUBLICATIONS -- 1990-1999**

- Gibbons, J. Whitfield 1999. *Nerodia erythrogaster* (Plain-bellied water snake). **Herpetological Review** 30(1) 47.
- Gibbons, J. Whitfield and P. W. Stangel (coordinators). 1999. Conserving Amphibians and Reptiles in the New Millennium. Proceedings of the **Partners in Amphibian and Reptile Conservation** (PARC) Conference. 1999. Savannah River Ecology Laboratory HerpOutreach Publication #2. Aiken, SC. p.54 - **Symposium Proceedings**
- Leiden, Y. A., M. E. Dorcas, and J. Whitfield Gibbons. 1999. Herpetofaunal Diversity in Coastal Plain Communities of South Carolina. **Journal of the Elisha Mitchell Society** 115(4):270-280.
- Burger, J., J. Sanchez, J. W. Gibbons, J. Ondrof, R. Ramos, M. J. McMahon, K. F. Gaines, C. Lord, M. Fulmer, and M. Gochfeld. 1999. Attitudes and perceptions about ecological resources and hazards of people living around the Savannah River Site. **Environmental Monitoring and Assessment** 57:195-211.
- Burger, J., W.L. Stephens, Jr., C.S. Boring, M. Kuklinski, J. Whitfield Gibbons, and M. Gochfeld. 1999. Factors in exposure assessment: Ethnic and socioeconomic differences in fishing and consumption of fish caught along the Savannah River. *Risk Analysis* 19:427-438.
- Buhlmann, K.A. and J. Whitfield Gibbons. 1998. Imperiled aquatic reptiles of the southeastern United States: Historical review and current conservation status. P. 201-232. In Conference on Aquatic Fauna in Peril: The Southeastern Perspective, edited by G. Benz and D.E. Collins. Southeast Aquatic Research Institute, Lenz Design & Communication, Decatur, GA, 554 p. - **Book Chapter**
- Distler, J.K., M.E. Dorcas, J. Whitfield Gibbons, and K.L. Kandal. 1998. Winter mortality in the green anole, *Anolis carolinensis* (Lacertilia: Polychridae). **Brimleyana** 25:140-143.
- Burger, J. and J. Whitfield Gibbons. 1998. Trace elements in egg contents and egg shells of slider turtles (*Trachemys scripta*) from the Savannah River Site. **Archives of Environmental Contamination and Toxicology**. 34: 382-386.
- Burger, J, J. Sanchez, J. Whitfield Gibbons and M. Gochfield. 1998. Gender differences in recreational use, environmental attitudes and perceptions of future land use at the Savannah River Site. **Environment and Behavior** 30(4): 472-486.
- Gibbons, J. Whitfield 1998. Graduate education at a field research laboratory: facing the challenge. **Herpetologica** 54:S21-S30.
- Dorcas, M.E., J. Whitfield Gibbons, and H.G. Dowling. 1998. *Seminatrix* Cope, black swamp snake. **Catalogue of American Amphibians and Reptiles** 679.1-679.5.
- Burke, V.J., S.L. Rathbun, J.R. Bodie, and J. Whitfield Gibbons. 1998. Effect of density on predation rate for turtle nests in a complex landscape. **Oikos** 83:3-11.
- Gibbons, J. Whitfield, V.J. Burke, J.E. Lovich, R.D. Semlitsch, T.D. Tuberville, J.R. Bodie, J.L. Greene, P.H. Niewiarowski, H.H. Whiteman, D.E. Scott, J.H.K. Pechmann, C.R. Harrison, S.H. Bennett, J.D. Krenz, M.S. Mills, K.A. Buhlmann, J.R. Lee, R.A. Seigel, A.D. Tucker, T.M. Mills, T. Lamb, M.E. Dorcas, J.D. Congdon, M.H. Smith, D.H. Nelson, M.B. Dietsch, H.G. Hanlin, J.A. Ott, and D.J. Karapatakis. 1997. Perceptions of Species Abundance, Distribution, and Diversity: Lessons from Four Decades of Sampling on a Government-Managed Reserve. **Environmental Management** 21(2):259-

- 268.
- Gibbons, J. Whitfield. 1997. Living with Alligators. Essay *In, Alligators. Prehistoric Presence in the American Landscape*, by Martha Strawn; Johns Hopkins Press, Baltimore. p. 187-198. - **Book Chapter**
- Gibbons, J. Whitfield. 1997. Measuring declines and natural variation in turtle populations: Spatial lessons from long-term studies. In, J. Van Abbema (ed.), *Proceedings: Conservation, Restoration, and Management of Tortoises and Turtles--An International Conference*, pp. 243-246. New York Turtle and Tortoise Society, NY. - **Symposium Proceedings**
- Gibbons, J. Whitfield. 1997. From Fresh Water to the Sea: The Turtle Bridge is Open. **Velador Summer**: 4-5.
- Gibbons, J. Whitfield. 1997. The View from Here. President's address. **ASB Bulletin** 44(3): 155-156.
- Gibbons, J. Whitfield. 1997. Discovering Hidden Biodiversity: Lessons from Five Decades of Herpetological Research. In, A.F. Scott et al. (eds.), *Proceedings of the Seventh Symposium on the Natural History of Lower Tennessee and Cumberland River Valleys*. The Center for Field Biology, Austin Peay State University, Clarksville, TN. pages 1-7. **Symposium Proceedings**
- Lee, John, V. Burke, and J. Whitfield Gibbons. 1997. The behavior of hatchling *Alligator mississippiensis* exposed to ice. **Copeia** 1997(1):224-226.
- Burger, J., J. Sanchez, J. Whitfield Gibbons, and M. Gochfield. 1997. Risk perception, federal spending, and the SRS: Attitudes of hunters and fishermen. **Risk Analysis**. 17: 313-320.
- Hinton, T., P. Fledderman, J. Lovich, J. Congdon, and J. Whitfield Gibbons. 1997. Radiographic determination of fecundity: Is the technique safe for developing embryos? **Chelonian Conservation Biology** 2(3):409-414.
- Lovich, J. E. and J. Whitfield Gibbons. 1997. Conservation of Covert Species: Protecting Species We Don't Even Know. In, J. Van Abbema (ed.), *Proceedings: Conservation, Restoration, and Management of Tortoises and Turtles--An International Conference*, pp. 426-429. New York Turtle and Tortoise Society, NY. - **Symposium Proceedings**
- Thomas, B. R., D. W. Beckman, K. Thompson, K. Buhlmann, J. Whitfield Gibbons, and D. L. Moll. 1997. Estimation of age for *Trachemys scripta* and *Deirochelys reticularia* by counting annual growth rings in claws. **Copeia** 1997(4): 842-845.
- Tucker, T., R. Yeomans, and J. Whitfield Gibbons. 1997. Shell strength of mud snails (*Ilyanassa obsoleta*) may deter foraging by diamondback terrapins (*Malaclemmys terrapin*). **American Midland Naturalist** 138: 224-229.
- Congdon, J. and J. Whitfield Gibbons. 1996. Structure and dynamics of a turtle community over two decades, p. 137-159. *In, Long-term Studies of Vertebrate Communities*, Martin L. Cody and Jeffrey Smallwood, eds. Academic Press, Inc. - **Book Chapter**
- Lovich, J. E., S. W. Gotte, C. H. Ernst, J. C. Harshbarger, A. F. Laemmerzahl, and J. Whitfield Gibbons. 1996. Prevalence and histopathology of shell disease in turtles from Lake Blackshear, Georgia. **Journal of Wildlife Disease** 32:259-265.
- Lovich, J. E. and J. Whitfield Gibbons. 1997. Conservation of covert species: Protecting species we don't even know. In, J. Van Abbema (ed.), *Proceedings: Conservation, restoration, and management of tortoises and turtles--An International Conference*, pp. 426-429. New

- York Turtle and Tortoise Society, NY. . - **Symposium Proceedings**
- Tuberville, T. D., J. Whitfield Gibbons, and J. L. Greene. 1996. Invasion of new aquatic habitats by male freshwater turtles. **Copeia** 1996:713-715.
- Semlitsch, R. D., D. E. Scott, J. H. K. Pechmann, and J. Whitfield Gibbons. 1996. Structure and dynamics of an amphibian community: Structure and dynamics from a 16-year study of a natural pond, p. 217-248. *In, Long-term Studies of Vertebrate Communities*, Martin L. CODY and Jeffrey Smallwood, eds. Academic Press, Inc. - **Book Chapter**
- Semlitsch, R. D., **T. D. Tuberville**, and J. W. Gibbons. 1995. Timing of reproduction and metamorphosis in the crawfish frog (*Rana areolata*) in South Carolina. **Journal of Herpetology** 29 (4): 612-614.
- Gibbons, J. Whitfield. FOREWORD. 1995. Reprinting of Archie Carr's 1952 *Handbook of Turtles*, Cornell University Press, p. xi-xiv. - **Book Chapter**
- Buhlmann, K., T. K. Lynch, J. L. Greene, and J. Whitfield Gibbons. 1995. Prolonged egg retention in the chicken turtle, *Deirochelys reticularia*. **Herpetologica** 51:457-462.
- Buhlmann, K., J. Whitfield Gibbons, and I. L. Brisbin, Jr. 1995. Observation of a white-winged dove (*Zenaida asiatica*) on the upper coastal plain of South Carolina. **The Chat** 59:95-96.
- Burke, V. J. and J. Whitfield Gibbons. 1995. Terrestrial buffer zones and wetland conservation: A case study of freshwater turtles in a Carolina bay. **Conservation Biology** 9:1365-1369.
- Burke, V., J. L. Greene, and J. Whitfield Gibbons. 1995. The effect of sample size and study duration on metapopulation estimates for slider turtles (*Trachemys scripta*). **Herpetologica** 51:451-456.
- Scribner, K.S. J. Morreale, M.H. Smith, and J. Whitfield Gibbons. 1995. Factors contributing to temporal and age-specific variation in the freshwater turtle *Trachemys scripta*. **Copeia** 1995:970-977.
- Seigel, R. and J. Whitfield Gibbons. 1995. Workshop on the ecology, status, and management of the diamondback terrapin (*Malaclemys terrapin*), SREL, 2 August 1994: Final results and recommendations **Chelonian Conservation and Biology** 1 (3):240-243.
- Seigel, R., R. Loraine, and J. Whitfield Gibbons. 1995. Reproductive cycles and temporal variation in fecundity in the black swamp snake, *Seminatrix pygaea*. **American Midland Naturalist** 134:371-377.
- Seigel, R.A., J.W. Gibbons, and T.K. Lynch. 1995. Temporal changes in reptile populations: Effects of a severe drought on aquatic snakes. *Herpetologica* 51(4):424-434.
- Tucker, A. D., N. FitzSimmons, and J. Whitfield Gibbons. 1995. Resource partitioning by the estuarine turtle, *Malaclemys terrapin*: Trophic, spatial, and temporal foraging constraints. **Herpetologica** 51:167-181.
- Whiteman, H. H., T. M. Mills, D. E. Scott, and J. Whitfield Gibbons. 1995. Confirmation of range extension for the pine woods snake. **Herpetological Review** 26(3):158.
- Gibbons, J. Whitfield. 1994. Reproductive patterns of reptiles and amphibians: Considerations for captive breeding and conservation, p. 119-123. *In, Captive Management and Conservation of Amphibians and Reptiles*, edited by J. Murphy and J. Collins. SSAR Publ. - **Book Chapter**
- Gibbons, J. Whitfield. 1994. Management of the desert tortoise and other reptiles and amphibians: Time for an environmental attitude adjustment, *In, Desert Tortoise Council*

- Proceedings of 1987-1991 Symposia. 1994:169-173. - **Symposium Proceedings**
- Grant, B. W., K. L. Brown, G. W. Ferguson, and J. Whitfield Gibbons. 1994. Changes in amphibian biodiversity associated with 25 Years of pine forest regeneration: Implications for biodiversity management, p. 355-367. *In, Biological Diversity: Problems and Challenges*, edited by S. K. Majumdar et al., Pennsylvania Academy of Science. - **Book Chapter**.
- Lamb, T., C. Lydeard, R. B. Walker, and J. W. Gibbons. 1994. Molecular systematics of the map turtle (*Graptemys*): A comparison of mitochondrial restriction site versus sequence data. **Systematic Biology** 43(4):543-559.
- Laerm, J. and J. Whitfield Gibbons. 1994. Herpetology at the University of Georgia: Institutional Profile. **Herpetological Review** 25:1-3.
- Richardson, C. J. and J. W. Gibbons. 1993. Chapter 7: Pocosins, Carolina Bays and Mountain Bogs. p. 257-310. *In, Biodiversity of the Southeastern United States: Lowland Communities*. W. H. Martin et al. (eds.). John Wiley and Sons. - **Book Chapter**
- Semlitsch, R. D., D. E. Scott, J. H. K. Pechmann, and J. Whitfield Gibbons. 1993. Phenotypic variation in the arrival time of breeding salamanders: Individual repeatability and environmental influences. **Journal of Animal Ecology** 62(2):334-340.
- Frazer, N. B., J. L. Greene, and J. Whitfield Gibbons. 1993. Temporal variation in growth rate and age at maturity of male painted turtles, *Chrysemys picta*. **American Midland Naturalist** 130:314-324.
- Burke, V., J. Whitfield Gibbons, and J. L. Greene. 1993. Prolonged nesting events of the common mud turtle, *Kinosternon subrubrum*. **American Midland Naturalist** 131:190-195.
- Grant, B.W., A.D. Tucker, J.E. Lovich, A.M. Mills, P.M. Dixon, and J. Whitfield Gibbons. 1992. The use of coverboards in estimating patterns of reptile and amphibian biodiversity. p. 379-403. *In, Wildlife 2001: Populations*, edited by D.R. McCullough and R.H. Barrett, Elsevier Applied Science, New York. - **Book Chapter**
- Lyne, T.B., J.W. Bickham, T. Lamb, and J. Whitfield Gibbons. 1992. The application of bioassays in risk assessment of environmental pollution. **Risk Analysis** 3(12):361-365.
- Lovich, J. E. and J. Whitfield Gibbons. 1992. A Review of Techniques for Quantifying Sexual Size Dimorphism. **Growth, Development & Aging** 56:269-281.
- Pechmann, J.H.K., D.E. Scott, R.D. Semlitsch, J.P. Caldwell, L.J. Vitt, and J. Whitfield Gibbons. 1991. Declining amphibian populations: The problem of separating human impacts from natural fluctuations. **Science (Cover Article)** 253:892-895.
- Lamb, T., J. W. Bickham, J. Whitfield Gibbons, M. J. Smolen and S. McDowell. 1991. Genetic damage in a population of slider turtles (*Trachemys scripta*) inhabiting a radioactive reservoir. **Archives for Environmental Contamination and Toxicology** 20:138-142.
- Frazer, N. B., J. Whitfield Gibbons and J. L. Greene. 1991. Growth, survivorship, and longevity of painted turtles, *Chrysemys picta*, in a southwestern Michigan marsh. **American Midland Naturalist** 125:245-258.
- Frazer, N. B., J. Whitfield Gibbons and J. L. Greene. 1991. Life history and demography of the common mud turtle, *Kinosternon subrubrum* (Kinosternidae), in South Carolina. **Ecology** 72(6):2218-2231.
- Gibbons, J. Whitfield and J. E. Lovich. 1990. Sexual dimorphism in turtles with emphasis on the

slider turtle (*Trachemys scripta*). **Herpetological Monographs** 4:1-29. -  
**MONOGRAPH**

- Frazer, N. B., J. Whitfield Gibbons, and J. L. Greene. 1990. Exploring Fabens' growth model with data on a long-lived vertebrate *Trachemys scripta* (Reptilia:Testudinata). **Copeia** 1990(1):112-118.
- Semlitsch, R. D. and J. Whitfield Gibbons. 1990. Effects of egg size on success of larval salamanders in complex aquatic environments. **Ecology** 71(5):1789-1795.
- Lovich, J. E. and J. Whitfield Gibbons. 1990. Age at maturity influences adult sex ratio in the turtle *Malaclemys terrapin*. **Oikos** 59:126-134.
- Frazer, N. B., J. Whitfield Gibbons, and T. J. Owens. 1990. Turtle trapping: Preliminary tests of conventional wisdom. **Copeia** 1990(4):1150-1152.

#### PUBLICATIONS -- 1980-1989

- Congdon, J. D. and J. Whitfield Gibbons. 1989. Posthatching yolk reserves in hatchling American alligators. **Herpetologica** 45(3):305-309.
- Congdon, J. and J. Whitfield Gibbons. 1989. Biomass productivity of turtles in freshwater wetlands: A geographic comparison. p. 583-592. *In, Freshwater Wetlands and Wildlife*. R. R. Sharitz and J. Whitfield Gibbons (eds.) USDOE CONF-8603101. Office of Scientific and Technical Information, U.S. Department of Energy, Oak Ridge, TN. -  
**Symposium Proceedings**
- Lamb, T., J. C. Avise and J. Whitfield Gibbons. 1989. Phylogeographic patterns in mitochondrial DNA of the desert tortoise (*Xerobates agassizi*), and evolutionary relationships among the North American gopher tortoises. **Evolution** 43(1):76-87.
- Pechmann, J. H. K., D. E. Scott, J. Whitfield Gibbons and R. D. Semlitsch. 1989. Influence of wetland hydroperiod on diversity and abundance of metamorphosing juvenile amphibians. **Wetlands Ecology and Management** 1(1):3-11.
- Semlitsch, R. and J. Whitfield Gibbons. 1989. Largemouth bass predation on hatchling turtles (*Trachemys scripta*). **Copeia** 1989(4):1026-1027.
- Gibbons, J. Whitfield. 1988. The management of amphibians, reptiles and small mammals in North America: The need for an environmental attitude adjustment. *In, Management of Amphibians, Reptiles, and Small Mammals in North America*, Proceedings of the Symposium, Flagstaff, Arizona, p. 4-10. - **Symposium Proceedings**
- Gibbons, J. Whitfield. 1988. Turtle population studies. **Carolina Tips** 51(12):45-48.
- Semlitsch, R. D., J. H. K. Pechmann, and J. Whitfield Gibbons. 1988. Annual emergence of juvenile mud snakes (*Farancia abacura*) at aquatic habitats. **Copeia** 1988(1):243-245.
- Semlitsch, Raymond D. and J. Whitfield Gibbons. 1988. Fish predation in size-structured populations of tree frog tadpoles. **Oecologia** 75:321-326.
- Bickham, J. W., B. G. Hanks, M. J. Smolen, T. Lamb and J. Whitfield Gibbons. 1988. Flow cytometric analysis of the effects of low-level radiation exposure on natural populations of slider turtles (*Pseudemys scripta*). **Archives for Environmental Contamination and Toxicology** 17:837-841.
- Gibbons, J. Whitfield. Why do turtles live so long? 1987. **BioScience (Cover Article)** 37(4):262-269.
- Gibbons, J. Whitfield and R. D. Semlitsch. 1987. Activity patterns. *In, Snakes: Ecology and*

- Evolutionary Biology*, R. A. Seigel, J. T. Collins and S. S. Novak (eds.). MacMillan Publ. Co., New York. p. 396-421. - **Book Chapter**
- Congdon, J. D. and J. Whitfield Gibbons. 1987. Morphological constraint on egg size: A challenge to optimal egg size theory? **Proceedings of the National Academy of Sciences USA** 84:4125-4147.
- Gibbons, J. Whitfield. 1986. Movement patterns among turtle populations: Applicability to management of the desert tortoise. **Herpetologica** 42:104-113.
- Congdon, J. D., J. L. Greene, and J. Whitfield Gibbons. 1986. Biomass of freshwater turtles: A geographic comparison. **American Midland Naturalist** 115:165-173.
- Scribner, K. T., J. E. Evans, S. J. Morreale, M. H. Smith and J. W. Gibbons. 1986. Genetic divergence among populations of the yellow-bellied slider turtle (*Pseudemys scripta*) separated by aquatic and terrestrial habitats. **Copeia** 1986(3):691-700.
- Morreale, S. J. and J. Whitfield Gibbons. 1986. Habitat suitability index models: Slider turtle. Fish and Wildlife Service, U. S. Dept. of the Interior, **Biological Report** 82(10.125).
- Scott, D. E., F. W. Whicker, and J. Whitfield Gibbons. 1986. Effect of season on the retention of <sup>137</sup>Cs and <sup>90</sup>Sr by the yellow-bellied slider turtle (*Pseudemys scripta*). **Canadian Journal of Zoology** 64:2850-2853.
- Congdon, J. D. and J. Whitfield Gibbons. 1985. Egg components and reproductive characteristics of turtles: Relationships to body size. **Herpetologica** 41(2):194-205.
- Semlitsch, R. D. and J. Whitfield Gibbons. 1985. Phenotypic variation in metamorphosis and paedormorphosis in the salamander *Ambystoma talpoideum*. **Ecology** 66(4):1123-1130.
- Spotila, J. R., R. E. Foley, J. P. Schubauer, R. D. Semlitsch, K. M. Crawford, E. A. Standora and J. Whitfield Gibbons. 1984. Opportunistic behavioral thermoregulation of turtles, *Pseudemys scripta*, in response to microclimatology of a nuclear reactor cooling reservoir. **Herpetologica** 40(3):299-308.
- Block, C. J., J. R. Spotila, E. A. Standora and J. W. Gibbons. 1984. Behavioral thermoregulation of largemouth bass, *Micropterus salmoides*, and bluegill, *Lepomis macrochirus*, in a nuclear reactor cooling reservoir. **Environmental Biology of Fishes** 2(1):41-52.
- Scribner, K. T., M. H. Smith, and J. Whitfield Gibbons. 1984. Genetic differentiation among local populations of the yellow-bellied slider turtle (*Pseudemys scripta*). **Herpetologica** 40(4):382-387.
- Morreale, S. J., J. Whitfield Gibbons, and J. D. Congdon. 1984. Significance of activity and movement in the yellow-bellied slider turtle (*Pseudemys scripta*). **Canadian Journal of Zoology** 62:1038-1042.
- Gibbons, J. Whitfield. 1983. Reproductive characteristics and ecology of the mud turtle *Kinosternon subrubrum* (Lacepede). **Herpetologica** 39(3):254-271.
- Gibbons, J. Whitfield, J. L. Greene and J. D. Congdon. 1983. Drought- related responses of aquatic turtle populations. **Journal of Herpetology** 17(3):242-246.
- Congdon, J. D. and J. Whitfield Gibbons. 1983. Relationships of reproductive characteristics to body size in *Pseudemys scripta*. **Herpetologica** 39(2):147-151.
- Cooper, W. E., Jr., L. J. Vitt, L. D. Vangilder and J. Whitfield Gibbons. 1983. Natural nest sites and brooding behavior of *Eumeces fasciatus*. **Herpetological Review** 14(3):65-66.
- Gibbons, J. Whitfield. 1982. Reproductive patterns in freshwater turtles. **Herpetologica** 38(1):222-227.

- Gibbons, J. Whitfield and R. D. Semlitsch. 1982. Survivorship and longevity of a long-lived vertebrate species: How long do turtles live? **Journal of Animal Ecology** 51:523-527.
- Gibbons, J. Whitfield and R. D. Semlitsch. 1982. Terrestrial drift fences with pitfall traps: An effective technique for quantitative sampling of animal populations. **Brimleyana** 1982(7):1-16.
- Gibbons, J. Whitfield, J. L. Greene, and K. K. Patterson. 1982. Variation in reproductive characteristics of aquatic turtles. **Copeia** 1982(4):776-784.
- Congdon, J. D., J. Whitfield Gibbons, J. L. Greene. 1982. Parental investment in the chicken turtle (*Deirochelys reticularia*). **Ecology** 64(3):419-425.
- Semlitsch, R. D. and J. Whitfield Gibbons. 1982. Body size dimorphism and sexual selection in two species of water snakes. **Copeia** 1982(4):974-976.
- Gibbons, J. Whitfield, R. D. Semlitsch, J. L. Greene, and J. P. Schubauer. 1981. Variation in age and size at maturity of the slider turtle (*Pseudemys scripta*). **American Naturalist** 117:841-845.
- Gibbons, J. Whitfield and R. R. Sharitz. 1981. Thermal Ecology: Environmental teachings of a nuclear reactor site. **BioScience (Cover Article)** 31(4):293-298.
- Gibbons, J. Whitfield and J. R. Harrison, III. 1981. Reptiles and amphibians of Kiawah and Capers Islands, South Carolina. **Brimleyana** 5:145-162.
- Sharitz, R. R. and J. Whitfield Gibbons. 1981. Effects of thermal effluents on a lake: Enrichment and stress. In, *Stress Effects on Natural Ecosystems*. Barrett, G. and R. Rosenberg, eds. John Wiley and Sons Ltd. Sussex. p. 243-259. - **Book Chapter**
- Gibbons, J. Whitfield, R. R. Sharitz, and I. L. Brisbin, Jr. 1980. Thermal ecology research at the Savannah River Plant: A review. **Nuclear Safety** 21(3):367-379.

#### PUBLICATIONS -- 1970-1979

- Gibbons, J. Whitfield and J. L. Greene. 1979. X-ray photography: A technique to determine reproductive patterns of freshwater turtles. **Herpetologica** 35(1):86-89.
- Sharitz, R. R. and J. Whitfield Gibbons. 1979. Impacts of thermal effluents from nuclear reactors on southeastern ecosystems. In, *Changing Energy Use Futures*. Vol. II. Edited by Rocco A. Fazzolare, Craig B. Smith. Pergamon Press, NY. p. 609-616. - **Book Chapter**
- Bennett, S. H., J. W. Gibbons and J. Glanville. 1979. Terrestrial activity, abundance and diversity of amphibians in differently managed forest types. **American Midland Naturalist** 103(2):412-416.
- Gibbons, J. W., G. H. Keaton, J. P. Schubauer, J. L. Greene, D. Bennett, **J. McAuliffe**, and R. R. Sharitz. 1979. Unusual population size structure in freshwater turtles on barrier islands. **Georgia Journal of Science** 37:155-159.
- Esch, G. W., J. Whitfield Gibbons and J. E. Bourque. 1979. The distribution and abundance of enteric helminths in *Chrysemys s. scripta* from various habitats on the Savannah River Plant in South Carolina. **Journal of Parasitology** 65(4):624-632.
- Esch, G. W., J. Whitfield Gibbons and J. E. Bourque. 1979. Species diversity of helminth parasites in *Chrysemys s. scripta* from a variety of habitats in South Carolina. **Journal of Parasitology** 65(4):633-638.
- Gibbons, J. Whitfield, D. H. Bennett, G. W. Esch, and T. C. Hazen. 1978. Effects of thermal effluent on body condition of largemouth bass. **Nature** 274(5670):470-471.

- Gibbons, J. Whitfield and J. L. Greene. 1978. Selected aspects of the ecology of the chicken turtle, *Deirochelys reticularia* (Latreille). (Reptilia, Testudines, Emydidae). **Journal of Herpetology** 12(2):237-241.
- Gibbons, J. W., J. L. Greene and J. P. Schubauer. 1978. Variability in clutch size in aquatic chelonians. **British Journal of Herpetology**. 6:13-14.
- Quinn, Thomas C., Gerald W. Esch, Terry C. Hazen and J. Whitfield Gibbons. 1978. Long range movement and homing by largemouth bass (*Micropterus salmoides*) in a thermally altered reservoir. **Copeia** 1978(3):542-545.
- Gibbons, J. Whitfield and J. W. Coker. 1978. Herpetofaunal colonization patterns of Atlantic Coast barrier islands. **American Midland Naturalist** 99(1):219-233.
- Gibbons, J. Whitfield and D. H. Nelson. 1978. The evolutionary significance of delayed emergence from the nest by hatchling turtles. **Evolution** 32(2):297-303.
- Gibbons, J. Whitfield. 1978. Checklist of South Carolina reptiles. In, Checklist of Coastal South Carolina, Richard Zingmark, ed. p. 270-276. - **Book Chapter**
- Semlitsch, R. D. and J. Whitfield Gibbons. 1978. Reproductive allocation in the brown water snake (*Natrix taxispilota*). **Copeia** 1978(4):721-723.
- Hazen, T. C., G. W. Esch, A. B. Glassman and J. Whitfield Gibbons. 1978. Relationship of season, thermal loading and red-sore disease with various haematological parameters in *Micropterus salmoides*. **Journal of Fish Biology** 12:491-498.
- Dunham, A. E., D. W. Tinkle, and J. Whitfield Gibbons. 1978. Body size in island lizards: A cautionary tale. **Ecology**. 59(6):1230-1238.
- Gibbons, J. Whitfield and K. K. Patterson. 1977. A model for baseline studies of taxonomic groups: Based on "The Reptiles and Amphibians of the SRP." In, National Environmental Research Park Symposium: Natural Resource Inventory, Characterization, and Analysis. J. T. Kitchings and N. E. Tarr (eds.). Oak Ridge National Laboratory, Oak Ridge, TN. ORNL-5304. p. 120-128. - **Symposium Proceedings**
- Gibbons, J. Whitfield and J. W. Coker. 1977. Ecological and life history aspects of the cooter, *Chrysemys floridana* (Le Conte). **Herpetologica** 33(1):29-33.
- Gibbons, J. Whitfield, J. W. Coker and T. M. Murphy, Jr. 1977. Selected aspects of the life history of the rainbow snake (*Farancia erytrogramma*). **Herpetologica** 33(3):276-281.
- Tinkle, D. W. and J. Whitfield Gibbons. 1977. The distribution and evolution of viviparity in reptiles. **Miscellaneous Publications of the University of Michigan Museum of Zoology** 154:1-55. - **MONOGRAPH**
- Lattimore, R. E. and J. Whitfield Gibbons. 1976. Body condition and stomach contents of fish inhabiting thermally altered areas. **American Midland Naturalist** 95(1):215-219.
- Gibbons, J. Whitfield. 1976. Thermal alteration and the enhancement of species populations. Invited overview, In, Thermal Ecology II. G. W. Esch and R. W. McFarlane (eds.). ERDA Symposium Series. (CONF-750425). p. 27-31. - **Symposium Proceedings**
- Gibbons, J. Whitfield, J. Harrison, D. H. Nelson and C. L. Abercrombie, III. 1976. Status Report: The Reptiles. In, Proceedings of the First South Carolina Endangered Species Symposium. D. N. Forsythe and W. B. Ezell, Jr. (eds). p. 79-81. - **Symposium Proceedings**
- Gibbons, J. Whitfield. 1976. Aging phenomena in reptiles. In, Experimental Aging Research. M. F. Elias, B. E. Elefteriou, and P. K. Elias (eds.). Bar Harbor, Maine. p. 454-575. - **Book**

**Chapter**

- Gibbons, J. Whitfield, D. H. Nelson, K. K. Patterson and J. L. Greene. 1976. The reptiles and amphibians of the Savannah River Plant in west central South Carolina. In, Proceedings of the First South Carolina Endangered Species Symposium. D. N. Forsythe and W. B. Ezell, Jr. (eds). p. 133-143. - **Symposium Proceedings**
- Aho, J. M., J. Whitfield Gibbons and G. W. Esch. 1976. Relationship between thermal loading and parasitism in the mosquitofish, *Gambusia affinis*. In, Thermal Ecology II. G. W. Esch and R. W. McFarlane (eds.). ERDA Symposium Series. (CONF-750425). p. 213-218. - **Symposium Proceedings**
- Esch, G. W., T. C. Hazen, F. V. Dimock and J. Whitfield Gibbons. 1976. Thermal effluent and the epizootiology of the ciliate *Epistylis* and the bacterium *Aeromonas* in association with centrarchid fish. **Transactions of the American Microscopical Society** 95(4):687-693.
- Esch, G. W., J. Whitfield Gibbons and J. E. Bourque. 1975. An analysis of the relationship between stress and parasitism. **American Midland Naturalist** 94(2):339-353.
- Bennett, D. H. and J. Whitfield Gibbons. 1975. Reproductive cycles of largemouth bass (*Micropterus salmoides*) in a cooling reservoir. **Transactions of the American Fisheries Society**. 104(1):77-82.
- Kaufman, G. A. and J. Whitfield Gibbons. 1975. Weight-length relationships in thirteen species of snakes in the southeastern United States. **Herpetologica**. 31(1):31-37.
- Gibbons, J. Whitfield, R. R. Sharitz, F. G. Howell and Michael H. Smith. 1975. Ecology of artificially heated streams, swamps, and reservoirs on the Savannah River Plant: The thermal studies program of the Savannah River Ecology Laboratory. International Atomic Energy Agency. Oslo, Norway. 26-30 August, 1974. IAEA-SM-187/13. Vienna 389-400. - **Symposium Proceedings**
- Holland, Wallace E., Michael H. Smith, Douglas H. Brown and J. Whitfield Gibbons. 1974. Thermal tolerances of fish from a reservoir receiving heated effluent from a nuclear reactor. **Physiological Zoology** 47(2):110-118.
- Sharitz, Rebecca R., J. Whitfield Gibbons and **Susan C. Gause**. 1974. Impact of production reactor effluents on vegetation in a southeastern swamp forest. In Thermal Ecology. J. W. Gibbons and R. R. Sharitz (eds.). AEC Symposium Series (CONF-730505). p. 356-362. - **Symposium Proceedings**
- Yardley, Darrell, John C. Avise, J. Whitfield Gibbons and Michael H. Smith. 1974. Biochemical genetics of sunfish III. Genetic subdivision of fish populations inhabiting heated water. In Thermal Ecology. J. W. Gibbons and R. R. Sharitz (eds.). AEC Symposium Series (CONF-730505). p. 255-263. - **Symposium Proceedings**
- Christy, E. Jennifer, James O. Farlow, Joseph E. Bourque and J. Whitfield Gibbons. 1974. Enhanced growth and increased body size of turtles living in thermal and post-thermal aquatic systems. In Thermal Ecology. J. W. Gibbons and R. R. Sharitz (eds.). AEC Symposium Series (CONF-730505). p. 277-284. - **Symposium Proceedings**
- Gibbons, J. Whitfield and D. H. Bennett. 1974. Determination of anuran terrestrial activity patterns by a drift fence method. **Copeia** 1974(1):236-243.
- Gibbons, J. Whitfield and R. R. Sharitz. 1974. Thermal alteration of aquatic ecosystems. **American Scientist** 62(6):660-670.
- Bennett, D. H. and J. Whitfield Gibbons. 1974. Growth and condition of juvenile largemouth

- bass from a reservoir receiving thermal effluent. In, Thermal Ecology. J. Whitfield Gibbons and R. R. Sharitz (eds.). AEC Symposium Series (CONF-730595). p. 246-254. - **Symposium Proceedings**
- Gibbons, J. Whitfield and D. H. Bennett. 1973. Abundance and local movement of largemouth bass (*Micropterus salmoides*) in a reservoir receiving heated effluent from a reactor. Proceedings of the Radioecology Symposium. Oak Ridge, 1971. p. 524-527. - **Symposium Proceedings**
- Parker, E. Davis, Michael F. Hirshfield and J. Whitfield Gibbons. 1973. Ecological comparisons of thermally affected aquatic environments. **Journal of Water Pollution Control Federation** 45: 726-733.
- Nelson, D. H. and J. Whitfield Gibbons. 1972. Ecology, abundance and seasonal activity of the scarlet snake, *Cemophora coccinea*. **Copeia** 1972(3):582-584.
- Cale, William G., Jr. and J. Whitfield Gibbons. 1972. Relationships between body size, size of the fat bodies and total lipid content in the canebrake rattlesnake (*Crotalus horridus*) and the black racer (*Coluber constrictor*). **Herpetologica** 28(1): 51-53.
- Gibbons, J. Whitfield, James T. Hook and David L. Forney. 1972. Winter responses of largemouth bass to heated effluent from a nuclear reactor. **Progressive Fish-Culturist** 34:88-90.
- Bennett, D. H. and J. Whitfield Gibbons. 1972. Food of largemouth bass (*Micropterus salmoides*) from a South Carolina reservoir receiving heated effluent. **Transactions of the American Fisheries Society** 101(4):650-654.
- Gibbons, J. Whitfield. 1972. Reproduction, growth, and sexual dimorphism in the canebrake rattlesnake (*Crotalus horridus atricaudatus*). **Copeia** 1972(2):222-226.
- Gibbons, J. Whitfield. 1971. Sex ratios in turtles. **Researches in Population Ecology** 12:252-254.
- Gibbons, J. Whitfield. 1970. Terrestrial activity and the population dynamics of aquatic turtles. **American Midland Naturalist** 83(2):404-415.
- Bennett, D. H., J. Whitfield Gibbons and J. C. Franson. 1970. Terrestrial activity in aquatic turtles. **Ecology** 51(4):738-740.
- Gibbons, J. Whitfield. 1970. Reproductive characteristics of a Florida population of musk turtles (*Sternotherus odoratus*). **Herpetologica** 26(2):268-270.
- Gibbons, J. Whitfield. 1970. Reproductive dynamics of a turtle (*Pseudemys scripta*) population in a reservoir receiving heated effluent from a nuclear reactor. **Canadian Journal of Zoology** 48(4):881-885.
- Schmidt, G. D., G. W. Esch and J. Whitfield Gibbons. 1970. *Neoechinorhynchus chelonos*, a new species of Acanthocephalan parasite of turtles. **Proceedings of the Helminthological Society of Washington** 37(2):172-174.

#### PUBLICATIONS -- 1967-1969

- Gibbons, J. Whitfield and D. W. Tinkle. 1969. Reproductive variation between turtle populations in a single geographic area. **Ecology** 50(2):340-341.
- Clark, David B. and J. Whitfield Gibbons. 1969. Dietary shift in the turtle, *Pseudemys scripta* (Schoepff), from youth to maturity. **Copeia** 1969(4):704-706.
- Gibbons, J. Whitfield. 1969. Ecology and population dynamics of the chicken turtle, *Deirochelys*

- reticularia*. **Copeia** 1969 (4):669-676.
- Gibbons, J. Whitfield. 1968. Reproductive potential, activity and cycles in the painted turtle, *Chrysemys picta*. **Ecology** 49(3):399-409.
- Gibbons, J. Whitfield. 1968. Population structure and survivorship in the painted turtle, *Chrysemys picta*. **Copeia** 1968(2):260-268.
- Gibbons, J. Whitfield and M. H. Smith. 1968. Evidence of orientation by turtles. **Herpetologica** 24(4):331-333.
- Gibbons, J. Whitfield. 1968. Growth rates of the common snapping turtle, *Chelydra serpentina*, in a polluted river. **Herpetologica** 24(3):266-267.
- Gibbons, J. Whitfield and S. Nelson, Jr. 1968. Observations on the mudpuppy, *Necturus maculosus*, in a Michigan lake. **American Midland Naturalist** 80(2):562-564.
- Gibbons, J. Whitfield. 1968. Observations on the ecology and population dynamics of the Blanding's turtle, *Emydoidea blandingi*. **Canadian Journal of Zoology** 46:288-290.
- Gibbons, J. Whitfield. 1968. Carapacial algae in a population of the painted turtle, *Chrysemys picta*. **American Midland Naturalist** 79(2):517-519.
- Knight, A. W. and J. Whitfield Gibbons. 1968. Food of the painted turtle, *Chrysemys picta*, in a polluted river. **American Midland Naturalist** 80(2):559-562.
- Gibbons, J. Whitfield. 1967. Possible underwater thermoregulation by turtles. **Canadian Journal of Zoology** 45:585.
- Gibbons, J. Whitfield. 1967. Variation in growth rates in three populations of the painted turtle, *Chrysemys picta*. **Herpetologica** 23(4):296-303.
- Esch, G. W. and J. Whitfield Gibbons. 1967. Seasonal incidence of parasitism in a population of the painted turtle, *Chrysemys picta marginata* Agassiz. **Journal of Parasitology** 53(4):818-821.

#### BULLETINS AND REPORTS

- Andrews, K. M. and J. W. Gibbons. 2006. Dissimilarities in behavioral responses of snakes to roads and vehicles have implications for differential impacts across species. International Conference on Ecology and Transportation, Center for Transportation and the Environment, North Carolina State University, Raleigh, NC.
- Gibbons, J. Whitfield (editor). 1997. Brochure written by P. J. West. The NERP of SRS: Serving an Essential Mission.
- Gibbons, J. Whitfield (ed.). 1996. Biodiversity: Prospect and promise for the SRS. Brochure written by P. J. West. SREL Publication. Aiken, SC. 32 p. (Winner of first place award from Society of Professional Journalists [Augusta Chapter]).
- Gibbons, Whit. 1977. The snakes of the Savannah River Plant with information about snakebite prevention and treatment. Savannah River Plant Nat. Environmental Research Park Publication. 26 p. SRO-NERP-1.
- Gibbons, J. Whitfield and K. K. Patterson. 1978. The reptiles and amphibians of the Savannah River Plant. Savannah River Plant National Environmental Research Park Publication. 24 p. SRO-NERP-2.
- Gibbons, J. Whitfield and J. P. Caldwell. 1980. Herpetology at the Savannah River Ecology Laboratory. **Herpetological Review** 1 (3):72-74.
- Sharitz, R. R. and J. Whitfield Gibbons. 1982. The ecology of southeastern shrub bogs

(pocosins) and Carolina bays. U. S. Fish and Wildlife Services Community Profile. U. S. Fish and Wildlife Service, Division of Biological Services, Washington, D.C., p. 1-93 FWS/OBS 82/04.

Schalles, J. F., R. R. Sharitz, J. Whitfield Gibbons, G. J. Lerversee and J. N. Knox. 1989. Carolina Bays of the Savannah River Plant, Aiken, SC. SREL NERP Document.

### BOOK REVIEWS (partial list)

- Gibbons, J.W. 2005. *Review of "Amphibians and Reptiles: Status and Conservation in Florida."* (Krieger Publishing Company) ***Applied Herpetology*** 3:83-85.
- Gibbons, J. W. 2005. *Review of "Singing the Turtles to Sea: The Comcaac (Seri) Art and Science of Reptiles."* ***Quarterly Review of Biology*** 80:146.
- Gibbons, J.W. 1998. *Review of The Biology of Sea Turtles* (CRC Press), ***Quarterly Review of Biology*** 73:370-371.
- Tuberville, T. and J. Whitfield Gibbons. 1996. *Reptiles of North Carolina*. ***ASB Bulletin*** 43:169-170.
- Gibbons, J. Whitfield. 1994. *Letters from Alabama (U.S.): Chiefly Relating to Natural History. An Annotated Edition*, by Philip Henry Gosse, 1993 rev., ***ASB Bulletin*** 41:30.
- Gibbons, J. Whitfield. 1994. *The Desert's Past: A Natural Prehistory of the Great Basin*, by Donald K. Grayson, 1993, Smithsonian Institution Press, ***Copeia*** 1994:5511-552.
- Gibbons, J. Whitfield. 1993. *Snakes of the Eastern United States and Canada: Keeping Them Healthy in Captivity*, by John Rossi. ***Quarterly Review of Biology*** 63:441.
- Gibbons, J. Whitfield. 1993. *Rare and Endangered Biota of Florida. III. Amphibians and Reptiles*, by Paul Moler, 1993. Book review for ***Quarterly Review of Biology***.
- Gibbons, J. Whitfield. 1993. *Biogeography of Mediterranean Invasions for Journal of Environmental Management*, edited by R. H. Groves and F. di Castri. Cambridge University Press, 1991. Book review for ***Journal of Environmental Management***.
- Gibbons, J. Whitfield. 1990. *The Amphibians and Reptiles of Louisiana*, H. Dundee and D. Rossman, LSU Press. ***Quarterly Review of Biology***.
- Gibbons, J. Whitfield. 1985. *Turtles of Venezuela*, P. Pritchard and J. Trebbau, SSAR Publication, ***Quarterly Review of Biology***.
- Gibbons, J. Whitfield. 1978. *Biology of the Reptilia. Volume 7, Ecology and Behavior*. D. W. Tinkle and C. Gans, eds. ***Copeia*** 1978: 731-733.
- Gibbons, J. Whitfield and D. Moll. 1979. *Turtles: Perspectives and Research*. M. Harless and H. Morlock, eds. Wiley-Interscience. 695 p. ***American Scientist*** 67:722.

### OTHER CREATIVE CONTRIBUTIONS

#### ENCYCLOPEDIA ARTICLES (selected examples of more than 100)

**ZOOLOGY**. Section in Life Sciences of **Encyclopaedia Britannica Year Book** for each year, 1982-2007.

**AMPHIBIANS**. **World Book Encyclopedia**, 1984.

*ZOOLOGY*. Section in **Compton's Yearbook** for each year, 1982-88.

VERTEBRATE SPECIES ACCOUNTS (fish, reptiles and amphibians; approx. 75).  
**Encyclopaedia Britannica**, 1981.

*TURTLE*. p. 352-354 in **Academic American Encyclopedia**, Arete Publishing Co., Princeton, 1981.

*REPTILIA*. **McGraw-Hill Yearbook of Science and Technology**, 1979.

*PUBLIC AQUARIUMS OF THE WORLD* (accounts of major facilities). **Encyclopaedia Britannica**.

*APES AND MONKEYS; BIOLOGY; BIOGEOGRAPHY; BOTANY*. **Compton's Encyclopedia**.

#### **POPULAR ARTICLES (selected examples)**

Newspaper columns (more than 1000 articles from 1972-2007) - "Ecology Beat", Du Pont Company's "Savannah River Plant News"; "Ecology Today," and "EcoViews", *Aiken Standard* (South Carolina), *Athens Banner Herald* (Georgia), *Tuscaloosa News* (Alabama), New York Times Regional Newspaper Group distribution.

Gibbons, Whit. 2006. We need a national reptile and national amphibian. **Iguana** 13: 66-67. Invited Commentary

Gibbons, Whit. 2006. Crocodiles and alligators are very different. **Iguana** 13: 230-231. Invited Commentary

Gibbons, Whit, and Kimberly Andrews. 2005. Life (and death) in a nest box. **South Carolina Wildlife Magazine**. March-April 2005.

Gibbons, Whit. 2001. Wildlife Profile – Eastern Coral Snake. **Women in the Outdoors**. Spring 2001 2(2): 70-71.

Gibbons, J.W. 2000. What is PARC and why should you care? **Froglog. International Newsletter of the Declining Amphibian Population Task Force**. February 2000(37). ISSN 1026-0269. 4-5.

Gibbons, Whit. 2000. Copperhead. **Quality Whitetails. Journal of the Quality Deer Management Association**. 2000 Volume 7, issue 1.

Gibbons, J.W. 2000. What is PARC and why should you care? IUCN Tortoise and Freshwater Specialist Group. **Turtle and Tortoise Newsletter**. January 2000 (1): 21-22.

Gibbons, J.W. 2000. PARC Update. IUCN Tortoise and Freshwater Specialist Group. **Turtle and Tortoise Newsletter**. June 2000 (2): 14.

Gibbons, J.W. 2000. What is PARC and why should you care? **Newsletter of the Herpetologists' League** 7(1): 4-5.

Gibbons, J.W. 2000. Who's afraid of the deadly diamondback? **The World & I Magazine**. August 2000: 138-143.

Gibbons, W. 1999. The probability of snakebite. **SEOPA News**. July 1999: 4-5.

Gibbons, J. W. 1999. Turn rejection slips into assignments. **Outdoors Unlimited**.

- August 1999: 13.
- Gibbons, Whit. 1999. Whither Our Air and Water? Natural Science Essay. **The World & I**, June 1999, p. 184-191.
- Gibbons, J. Whitfield, and Michael E. Dorcas. 1998. Cowards, Bluffers, and Warriors. What does it take to make a cottonmouth strike? **Natural History Magazine** November 1998 pp. 56-57.
- Gibbons, Whit. 1997. Natural History of the Okefenokee Swamp. **Georgia Wildlife Magazine**. June 1997 6(1):4-16. (Article was winner of 1996-97 Excellence in Craft Award of Southeastern Outdoor Press Association).
- Gibbons, Whit. 1997. Snakes in Danger: Endangered Herpetofauna of Alabama. **Nature South** 6(4):9-11.
- Gibbons, Whit. 1997. The Diamondback Terrapins of Kiawah Island. **Kiawah Town Notes** 3: 1-3.
- Gibbons, Whit. 1996. The Spirit of Southeast Georgia. Invited essay for *The New Georgia Guide*. University of Georgia Press. Published by the Georgia Humanities Council for 1996 Olympics. p. 565-593.
- Gibbons, Whit. 1996. Poisonous Wild Plants of Alabama. **Nature South** 6 (2): 3-4.
- Gibbons, Whit. and P. J. West. 1995. The diversity of fishes in Alabama. **Alabama Wildlife** 1995:37-38.
- Gibbons, Whit. 1995. Finding the Red Hills salamander. **Nature South Magazine** 5(2):10-12.
- Gibbons, J. Whitfield. 1994. How to catch a gator. **Natural History Magazine** 3/94:4-6.
- Gibbons, Whit and P. J. West. 1994. Fishes of Alabama. **Nature South** 4:3-4.
- Gibbons, Whit and P. J. West. 1993. Rivers of Alabama. **Nature South** (Alabama Museum of Natural History) 3:3-6.
- West, P. J. and Whit Gibbons. 1993. Aquatic plants of the CSRA. **Aiken County Magazine**.
- Gibbons, Whit. 1992 (February issue). Life in the Slow Lane. **Natural History Magazine**.
- Gibbons, Whit. 1981. Of turtles, tortoises, and terrapins. **Delta Airline's Sky Magazine**.
- Gibbons, Whit and R. R. Sharitz. 1989. Environmental paradise and paradox. **South Carolina Wildlife** 36(2):44-59.
- Gibbons, Whit. 1985. Wasps in your garden. **The Weekend Gardener** July/August 30-31.
- Gibbons, Whit. 1980. Alligators: A different kind of southern tradition. **Delta Airline's Sky Magazine**.
- Gibbons, Whit. 1979. SREL. The Savannah River Ecology Laboratory. **Georgia Alumni Record**, May-June issue.
- Gibbons, Whit. 1979. Who's Watching the Snakes. **South Carolina Wildlife Magazine**, March-April issue.
- Gibbons, Whit. 1979. Snakes of South Carolina. **Living in South Carolina** (magazine), April-May issue.
- Gibbons, Whit. 1978. Where Do All The Creatures Go?...And Why? **UGA Research Reporter** (magazine), Vol. 11.
- Feature writer of ecology column for **Spectator** (quarterly magazine), 1982-1986.
- Contributing editor for **Delta Airline's Sky Magazine** (monthly publication), 1981-1985.
- Feature writer for **EnviroSouth** (quarterly environmental magazine). Published . 2-4 popular

ecology articles each year, 1978-1989

### **VIDEO AND TELEVISION PRODUCTIONS**

National Geographic series for Discover Channel; "Snake Wranglers" with Jesus Rivas on research with venomous snakes (2003)

National Geographic series for Discover Channel with Brady Barr on research with venomous snakes (2002)

"The Last Frog" Narration by Whit Gibbons for National Geographic Discover Series, 1996.

"Snakes: Common Sense and Safety" - Script written by J. Whitfield Gibbons and produced by Tel-A-Cast, Inc., 1987.

"Snakes of the Southeast" - Directed and Narrated by J. Whitfield Gibbons - shown for one year as exhibit at Smithsonian Institution, 1984-1985.

### **RADIO BROADCASTS**

National Public Radio - WUGA in Athens, Georgia and "Living On Earth" national broadcast - Vignettes on Environmental Awareness, 1994-1997.

### **SHORT STORIES (FICTION)**

Gibbons, Whit. "The Best of Intentions." 1986. **Rose Hill Literary Magazine**, Spring Issue, p. 24-27.

Gibbons, Whit. "Once Upon A Bushmaster." 1982. **Spectator Magazine**, Spring Issue, p. 32-34.

Gibbons, Whit. "The Legend of Caballo Grade." 1977. **Windhaven Magazine**. p. 15-20.

Gibbons, Whit. "How To Catch an Alligator in One Uneasy Lesson." 1977. First place award in national competition of the Birmingham Arts Festival.

### **TEACHING EXPERIENCE AND STUDENT SUPERVISION**

1977-2006 - Have intermittently taught advanced undergraduate and graduate level catalog course (5 hrs credit) in Herpetology (last taught in 2006) at University of Georgia.

2001 - UGA Institute of Ecology - Outstanding Ecology Instructor Award 2001.

1995 - Received Meritorious Teaching Award from Association of Southeastern Biologists.

1990 - Taught Herpetology at Kellogg Biological Station of Michigan State University.

1983-2007 - University of Georgia Graduate Faculty.

**GRADUATE SUPERVISION as major or co-major professor of doctoral and Master's students at University of Georgia Department of Zoology or Institute of Ecology, unless otherwise indicated:**

Current Graduate Students (Major Advisor)  
Kimberly Andrews – Ph.D. in progress, University of Georgia

Christopher Winne – Ph.D., University of Georgia  
 John D. Willson - Ph.D. in progress, University of Georgia  
 Brian Todd - Ph.D., University of Georgia  
 Tracey Tuberville - Ph.D., University of Georgia  
 Brian Metts - Ph.D. in progress, University of Georgia  
 Aaliyah Green - M.S., University of Georgia - (co-major professor with Chris Romanek),  
 Thomas Luhning - M.S., University of Georgia  
 Diana Jane Lutz - MS. in progress, Michigan State University  
 Gabrielle Graeter - M.S. 2006. (co-major professor with Mary Freeman) - Amphibian ecology and forest management  
 Kimberly Andrews – M.S. 2005. - Responses of snakes to roads  
 Erin Clark – M.S. 2004. , University of Georgia (co-major professor with Robert Warren) - Tortoise ecology  
 Lucas Wilkinson – M.S. 2003. Reproductive allocation in freshwater turtles  
 Xavier Glaudas – M.S. 2003. Defensive behavior of venomous snakes.  
 Luke Fedewa – M.S. 2003. Microbial ecology of developing southern toads, spring peepers, and narrow-mouthed toads  
 Ria N. Tsaliagos - M.S. 2002. Examining indeterminate growth in freshwater turtles.  
 Mark S. Mills - Ph.D. 2002. Ecology and life history of the brown water snake (*Nerodia taxispilota*).  
 Travis J. Ryan – Ph.D. 2000. Expression of a life cycle polymorphism in *Ambystoma talpoideum*.  
 Vanessa Arbogast - M.S. 1999. Riparian conservation in Athens-Clarke County, Georgia: A case study  
 Kurt Buhmann - Ph.D. 1998. Ecology, terrestrial habitat use, and conservation of a freshwater turtle assemblage  
 Tracey Tuberville - M.S. 1998. Effects of soil disturbance by gopher tortoises (*Gopherus polyphemus*)  
 Phil Spivey - M.S. 1998. Home range, habitat selection, and diet of the diamondback terrapin (*Malaclemys terrapin*)  
 Meg Hoyle - M.S. 1997. Effects of crab trapping on diamondback terrapins.  
 John R. Lee - M.S. 1996. The thermal ecology of cottonmouths (*Agkistrodon piscivorus*) overwintering in South Carolina.  
 Vincent Burke - Ph.D. 1995. Ecological and conservation implications of terrestrial habitat use by aquatic turtles.  
 Joseph H.K. Pechmann - Ph.D. 1994. Duke University. Population regulation in complex cycles.  
 Rebecca Yeomans - M.S. 1993. Field tests of a water-finding ability in the yellow-bellied pond slider, *Trachemys scripta*.  
 Patty Mahaney - M.S. 1992. The effects of freshwater petroleum contamination on amphibian reproduction.  
 Miriam Benabib - Ph.D. 1991. Life history and ecology of *Sceloporus variabilis* in Los Tuxtlas, Veracruz, Mexico.  
 Jeff Lovich - Ph.D. 1990. - Evolutionary and ecological implications of sexual dimorphism in turtles.  
 Tony Tucker - M.S. 1990. Nesting ecology of the leatherback sea turtle.  
 Julie Wallen - M.S. 1990. Nesting association of the yellowfin shiner, *N. lutipinnis*, and bluehead chub, *N. leptocephalus*.  
 Laura Brandt - M.S. 1989. Florida International University. The status and ecology of the American alligator in Par Pond.  
 David Mayack - Ph.D. 1988. The role of shredders in stream ecosystems of the southeastern United States.  
 Trip Lamb - Ph.D. 1986. Hybridization and introgression between two species of treefrogs: mitochondrial DNA analyses  
 Carlos Camp - Ph.D. 1985. Geographic distribution and ecology of plethodontid salamanders.  
 Anita Caudel - M.S. 1984 - Effects of nest humidity and egg size on hatching success and embryonic growth of turtles  
 Kevin Fowler - M.S. 1984. Mechanoreceptive microornamentation in gekkonids.  
 Raymond D. Semlitsch - Ph.D. 1984. Population ecology and reproductive strategy of the mole salamander *A. talpoideum*.  
 Joseph P. Schubauer - M.S. 1981. SUNY at Buffalo. Ecology and behavior of an aquatic turtle in a thermal reservoir  
 Jed Eli Kraemer - M.S. 1979. Variation in incubation length of loggerhead sea turtle, *Caretta caretta*, clutches  
 Robert R. Parmenter - M.S. 1978. Food availability and water temperature effects on feeding electivity and growth of turtles  
 Karen K. Patterson - M.S. 1977. Wake Forest University. The life history of the mole salamander, *Ambystoma talpoideum*  
 Patricia A. Murphy - M.S. 1976. University of South Carolina. Celestial orientation in juvenile American alligators  
 David H. Nelson - Ph.D. 1974. Michigan State University. Ecology of anurans in thermally stressed aquatic ecosystems  
 Joseph Bourque - Ph.D. 1974. Wake Forest University. Population dynamics of helminth parasites in turtles

## UNDERGRADUATE SUPERVISION IN SREL RESEARCH PARTICIPATION PROGRAMS

**Participated in supervision of 40+ undergraduates in SREL research participation programs resulting in publications by 20 students in nationally refereed scientific journals or book chapters (student authors indicated in bold):**

- Tuberville, T. D., J. R. Bodie**, John Jensen, Linda Laclaire, and J. Whitfield Gibbons. 2000. Apparent decline of the southern hog-nosed snake, (*Heterodon simus*). **Journal of the Elisha Mitchell Scientific Society** 116: 19-40.
- Gibbons, J. Whitfield, D. E. Scott, T. Ryan, K. Buhlmann, T. Tuberville, J. Greene, T. Mills, Y. Leiden, S. Poppy, **C. Winne**, and B. Metts. 2000. The Global Decline of Reptiles, Déjà Vu Amphibians. **BioScience**. 50: 653-666.
- Burke, V.J., S.L. Rathbun, **J.R. Bodie**, and J. Whitfield Gibbons. 1998. Effect of density on predation rate for turtle nests in a complex landscape. **Oikos** 83:3-11.
- Seigel, R., R. Loraine, and J. Whitfield Gibbons. 1995. Reproductive cycles and temporal variation in fecundity in the black swamp snake, *Seminatrix pygaea*. **American Midland Naturalist** 134:371-377.
- Semlitsch, R. D., **T. D. Tuberville**, and J. W. Gibbons. 1995. Timing of reproduction and metamorphosis in the crawfish frog (*Rana areolata*) in South Carolina. **Journal of Herpetology** 29 (4): 612-614.
- Scribner, K. T., **J. E. Evans**, S. J. Morreale, M. H. Smith and J. W. Gibbons. 1986. Genetic divergence among populations of the yellow-bellied slider turtle (*Pseudemys scripta*) separated by aquatic and terrestrial habitats. **Copeia** 1986(3):691-700.
- Block, C. J.**, J. R. Spotila, E. A. Standora and J. W. Gibbons. 1984. Behavioral thermoregulation of largemouth bass, *Micropterus salmoides*, and bluegill, *Lepomis macrochirus*, in a nuclear reactor cooling reservoir. **Environmental Biology of Fishes** 2(1):41-52.
- Gibbons, J. W., G. H. Keaton, **J. P. Schubauer**, J. L. Greene, D. Bennett, **J. McAuliffe**, and R. R. Sharitz. 1979. Unusual population size structure in freshwater turtles on barrier islands. **Georgia Journal of Science** 37:155-159.
- Bennett, S. H., J. W. Gibbons and **J. Glanville**. 1979. Terrestrial activity, abundance and diversity of amphibians in differently managed forest types. **American Midland Naturalist** 103(2):412-416.
- Quinn, Thomas C.**, Gerald W. Esch, Terry C. Hazen and J. Whitfield Gibbons. 1978. Long range movement and homing by largemouth bass (*Micropterus salmoides*) in a thermally altered reservoir. **Copeia** 1978(3):542-545.
- Gibbons, J. W., J. L. Greene and **J. P. Schubauer**. 1978. Variability in clutch size in aquatic chelonians. **British Journal of Herpetology**. 6:13-14.
- Lattimore, R. E.** and J. W. Gibbons. 1976. Body condition and stomach contents of fish inhabiting thermally altered areas. **American Midland Naturalist** 95(1):215-219.
- Christy, E. Jennifer, James O. Farlow**, Joseph E. Bourque and J. Whitfield Gibbons. 1974. Enhanced growth and increased body size of turtles living in thermal and post-thermal aquatic systems. In *Thermal Ecology*. J. W. Gibbons and R. R. Sharitz (eds.). AEC Symposium Series (CONF-730505). p. 277-284. - **Symposium Proceedings**
- Sharitz, Rebecca R., J. Whitfield Gibbons and **Susan C. Gause**. 1974. Impact of production reactor effluents on vegetation in a southeastern swamp forest. In *Thermal Ecology*. J. W. Gibbons and R. R. Sharitz (eds.). AEC Symposium Series (CONF-730505). p. 356-362. - **Symposium Proceedings**
- Yardley, Darrell**, John C. Avise, J. Whitfield Gibbons and Michael H. Smith. 1974. Biochemical genetics of sunfish III. Genetic subdivision of fish populations inhabiting heated water. In *Thermal Ecology*. J. W. Gibbons and R. R. Sharitz (eds.). AEC Symposium Series (CONF-730505). p. 255-263. - **Symposium Proceedings**
- Holland, Wallace E.**, Michael H. Smith, **Douglas H. Brown** and J. Whitfield Gibbons. 1974. Thermal tolerances of fish from a reservoir receiving heated effluent from a nuclear reactor. **Physiological Zoology** 47(2):110-118.
- Parker, E. Davis**, Michael F. Hirshfield and J. Whitfield Gibbons. 1973. Ecological comparisons of thermally affected aquatic environments. **Journal of Water Pollution Control Federation** 45: 726-733.
- Cale, William G., Jr.** and J. Whitfield Gibbons. 1972. Relationships between body size, size of the fat bodies and total lipid content in the canebrake rattlesnake (*Crotalus horridus*) and the black racer (*Coluber constrictor*). **Herpetologica** 28(1): 51-53.

Gibbons, J. Whitfield, **James T. Hook and David L. Forney**. 1972. Winter responses of largemouth bass to heated effluent from a nuclear reactor. **Progressive Fish-Culturist** 34:88-90.

Bennett, David H., J. Whitfield Gibbons and **J. Christian Franson**. 1970. Terrestrial activity in aquatic turtles. **Ecology** 51(4):738-740.

**Clark, David B.** and J. Whitfield Gibbons. 1969. Dietary shift in the turtle, *Pseudemys scripta* (Schoepff), from youth to maturity. **Copeia** 1969(4):704-706.

## **ADMINISTRATIVE EXPERIENCE AND PROFESSIONAL SERVICE**

### **UNIVERSITY OF GEORGIA**

National Research Council (National Academy of Sciences) - Committee on Mitigating Wetland Losses

National Research Council (National Academy of Sciences) - Life Sciences Panel for Review of Fellowship Applications

Head, SREL Environmental Outreach and Education Program, 1990-2003, 2005-2007.

Advisory Board Member, University of Georgia Press, 1997-1999; 2004-2007.

Faculty Associate, Franklin College Outreach Program, 1993-2001.

Committee Member, Environmental Science Field Education Program at the SRS for Regional Historically Black Colleges and Universities -- appointed by President Charles Knapp 1996-1997.

Advisory Board Member, Institute of Ecology, University of Georgia, 1995-96.

Head, SREL Stress and Wildlife Ecology Division, 1983-1990.

Coordinator, SREL Education Program, 1968-1974.

Associate Director, SREL, 1976-1980.

Acting Director, SREL - June 1978 to September 1979.

### **PROFESSIONAL SERVICE**

**Partners in Amphibian and Reptile Conservation (PARC)** - Co-founder and **National Chair** (1999-2004).

**Association of Southeastern Biologists - President** (1997-1998; journal **ASB Bulletin**); Executive Council (1987-89); Chairman of Conservation Committee 1979; Chairman of

Research Award Committee, 1974-75.

**Herpetologists' League - President** (1990-1991; journal **Herpetologica**); Vice-President (1988-1989); Executive Secretary-Treasurer (1972-75).

**American Society of Ichthyologists and Herpetologists** - Board of Directors (1993-97); ASIH **Southeastern Division President** (1974, 1975), Vice-President (1973), Secretary-Treasurer (1972); journal **Copeia** - Book Review Editor--Herpetology (1993-1997).

**Herpetological Conservation** - Editorial Advisory Board (1994-1998).

**Nature/South** (published by Alabama Museum of Natural History) -Editorial Advisory Board (1993-1997).

**Chelonian Conservation and Biology** - Editorial Advisory Board (1994-1998).

**Southeastern Naturalist** – Editorial Board (2001-2004)

**South Carolina Outdoor Press Association** - Board of Directors (1996, 1999).

**South Carolina Herpetological Society - President** (1989-1990).

**American Midland Naturalist** - Associate Editor--Herpetology (1982-1985).

**Ecological Society of America (Southeastern Chapter)** - Vice-President (1980-1981).

### **REGIONAL COMMUNITY SERVICE**

South Carolina Aquarium Animal Care Committee (2000-2004)

Chairman, Governor's Advisory Board, Heritage Trust Program, South Carolina Department of Natural Resources (1993-1996).

Local lectures (20-40/year) on snakebite prevention and treatment, biodiversity, conservation issues, and general ecology to civic groups, schools, and local organizations (1976-1997).

Reptile Study merit badge counselor of Boy Scouts in Aiken area.

Mayor's Advisory Council--Charleston Aquarium, 1989-1993.

Board of Directors -- United Way (Aiken County), 1992.

Advisory Committee -- Augusta Canal Natural Areas Development for City of Augusta, GA.,

1993-1995.

Chairman -- School Improvement Committee, Aiken High School, South Carolina, 1988-1989.

### **OTHER ACADEMIC SERVICE**

Member -- Savannah Science Museum Advisory Committee - 1997

South Carolina Commission of Higher Education--Member of Review Team for assessment of state universities, 1997.

Curator of Herpetology - State of Alabama Museum of Natural History - University of Alabama, 1994-1998.

Dean's Advisory Council for School of Science and Mathematics, Auburn, University, 1988-1995.

Alabama Commission on Higher Education -- member of review panel of Department of Wildlife Science and Zoology at Auburn University, 1990.

Council Member -- Tortoise and Freshwater Turtle Specialist Group--IUCN Species Survival Commission, 1994-96.

### **PROFESSIONAL CONSULTANT**

Expert witness in herpetology for Technical Advisory Service for Attorneys. 1993-2007.

Report to summarize and synthesize existing data and literature on the ecological status of the flatwoods salamander (*Ambystoma cingulatum*) for National Council of the Paper Industry for Air and Stream Improvement. 1994.

Consultant for State of California on impact of low-level radiation storage facility on the desert tortoise in the Mojave Desert. 1989-1996.

Presentations to National Academy of Sciences Panel on potential impacts of radiation on turtles on desert tortoises of Ward Valley. Needles, California. 1994.

Review of proposals to study potential harmful effects of high tension power lines for U.S. Navy. 1993.

**GRANT HISTORY (partial list as Principal Investigator) - \*currently active**

- \*National Science Foundation – Collaborative proposal [U. of Missouri; U. of Maine]: Land-use practices and persistence of amphibian populations –5/15/03 – 4/30/08 - \$225,513
- \*USGS - Cooperative Agreement with University of Georgia - J. W. Gibbons, B. Todd, and J. L. Greene - Web Site Maintenance and Scientific Oversight of North American Reporting Center for Amphibian Malformations (NARCAM) - \$213,000 (3 years)
- \*National Park Service - Investigation of the incidence of chytrid fungal parasitism in southeastern national parks - \$31,000
- \*U.S. Army - Modeling extinction risk of native and translocated gopher tortoise populations. - \$43,000
- \*South Carolina Department of Natural Resources - Ecology of the eastern diamondback rattlesnake - \$32,000
- \*USGS/USFWS/GA DOT - Cooperative Agreement with University of Georgia - Wildlife Highway Crossing Study: Investigation of the Use of Highway Culverts by Wildlife – Pre-construction Phase (Highway Widening) - J. W. Gibbons, K. M. Andrews, J. L. Greene - \$76,000
- \*U.S. Department of Agriculture/U.S. Forest Service – Development of inventory and monitoring guidelines for herpetofauna, organization of herpetology workshops, and oversight of Partners in Amphibian and Reptile Conservation (PARC) activities – 2002-2007 - \$400,000
- US Department of Transportation – 2004-2005 - Synthesis Report and Scientific Literature Review on Impacts of Roads on Reptiles and Amphibians - \$45,000
- US Fish and Wildlife Service - 2004-2005 - Status of rare turtles on national wildlife refuges - \$75,000
- U.S. Department of Interior – National Park Service -- Inventory and Monitoring of Reptiles and Amphibians in the Southeast Coastal Inventory and Monitoring Network of the National Park System – 4/1/01-4/24/04 - \$229,291
- U.S. Department of Interior (U.S. Fish and Wildlife Service) – Conservation Status of Native Turtles in International Trade - 8/21/01 – 4/30/02 - \$66,354
- U.S. Department of the Interior/Fish & Wildlife Service – Development, Production, and Distribution of Environmental Education Materials for Indigo Snake Protection – 5/1/01 – 9/30/05 - \$85,900
- U.S. Department of Agriculture/U.S. Forest Service – Development of habitat guidelines for herpetofauna – 8/28/00 – 9/30/02 - \$60,000
- U.S. Golf Association – Sublethal effects of pesticide exposure – 2/1/01 – 1/31/04 - \$28,700
- U.S. Geological Survey – Cooperative research on status and trends of U.S. freshwater turtles in the wild with an assessment of the impact of collection – 8/21/01-9/30/03 - \$66,354
- National Fish & Wildlife Foundation – PARC website development II – 1/1/02 – 3/31/03 - \$23,700
- The Christensen Fund – A primary understanding of our environment: Teaching kids the science of ecology – 8/1/02 – 8/1/03 - \$80,000
- U.S. Geological Survey – PARC-ARMI Database: Inventory, monitoring and research database for amphibians & reptiles on federal land – 4/5/02 – 8/31/03 - \$20,000

- U.S. Department of Interior/National Park Service – Inventory of herpetofauna for (CARL, COWP, GUCO, KIMO, NISI) Cumberland/Piedmont networks – 9/9/02 – 12/31/04 - \$37,226
- U.S. Department of Interior – Operation of the NARCAM website – 8/1/03 – 7/31/04 - \$25,000
- American Honda Foundation – A primary understanding of our environment: Teaching kids the science of ecology – 8/1/03 – 8/1/04 - \$69,080
- U.S. Department of Interior (U.S. Fish and Wildlife Service) – Conservation Status of Native Snakes in International Trade – 8/21/01 – 4/30/02 - \$33,177
- USDA Forest Service – Challenge Cost-share agreement between Francis Marion and Sumter National Forest and SC Department of Natural Resources and University of Georgia Research – Foundation – 9/18/01-9/30/04 - \$20,000
- USDA Forest Service – Pilot study of distribution and abundance of Webster's salamanders in South Carolina – 6/6/01 – 6/6/03 - \$8,000
- National Fish and Wildlife Foundation – Support of Partners in Amphibian and Reptile Conservation (PARC) Web site and webmaster – 1/1/02 – 3/31/03 - \$23,700
- SC Department of Natural Resources – Research and development of conservation plans for establishment of a reproductively self-sustaining population of gopher tortoises on the Aiken Gopher Tortoise Preserve – 7/1/00 – 6/30/01 - \$3,000
- Department of Energy Contracts to Environmental Outreach and Education Division: 1991-1999 - ~\$300,000 per year.
- United States Golf Association. Enhancing Amphibian and Reptile Biodiversity on Golf Courses through Use of Seasonal Wetlands. (J. Whitfield Gibbons, Principal Investigator) 1999-2001 ~\$60,000.
- International Paper Company (J. Whitfield Gibbons and M. E. Dorcas, Co-Principal Investigators), Herpetofaunal Survey of the Woodbury Tract in South Carolina (includes approval and supplemental support by Audubon Society, National Fish and Wildlife Foundation, and National Council for the forests products industry) - 1996-1998 -- ~\$80,000 per year.
- South Carolina Department of Natural Resources - Impact of gopher tortoise burrows on vegetation, 1996-1998 -- \$5000 per year.
- Wildlife Conservation Society -- Determination of the impact of crab trapping on diamondback terrapins, 1997-1998 -- ~\$7000.
- Donnelly Foundation -- Workshops for Low Country Teachers, 1997-1998 -- ~\$15,000.
- South Carolina Department of Natural Resources - Effects of crab trapping on diamondback terrapins, 1997 -- \$5000.
- DOE Headquarters Environmental Restoration (granted through Joanna Burger, Rutgers)--Using Turtles as Monitors of Environmental Contamination, 1996-1998 -- ~\$13,000 per year
- Ontario Hydro Technologies (Co-Principal Investigator with M. Dorcas) - Use of Automated Recording Systems for Detection of Anurans, 1995 -- ~\$12,000.
- National Science Foundation - Principal Investigator and Project Director for Undergraduate Research Program at SREL, 1970, 1971, 1972, 1974, 1992, 1993 -- \$10,000 - \$20,000 per year.
- EarthWatch - Principal investigator for research project on diamondback terrapins (1990; 1991; 1992) -- \$15,000-\$30,000 per year.

Department of Energy Contracts to Stress and Wildlife Ecology Division: 1983-1990 - \$1.3-\$2.4 million per year.

National Science Foundation. Principal Investigator - Research Grant - The Influence of Environmental Factors on Life History Characteristics of Turtles - 1979-1982.

Atomic Energy Commission (= ERDA or DOE) - Research in Thermal or Aquatic Stress Ecology - 1974-78 - Principal or Co-Investigator with SREL staff.

National Science Foundation - Principal Investigator and Project Director for Visiting Faculty Program at SREL, 1974.

Atomic Energy Commission - 1973 - Principal Investigator - SREL Education Program.

Atomic Energy Commission (Division of Production) - 1971-1972 Co-principal Investigator - Distribution and Cycling of Radioactive Isotopes Released into the Savannah River Swamp Forest-Environmental Implication.

American Philosophical Society - 1969-70 Geographic variation in turtle reproduction

## PRESENTATIONS

### Keynote Addresses, Plenary Speaker, and Special Invitations (excluding university departmental seminars) - selected examples:

- 2007 **Keynote Address** - Long-term amphibian studies, DAPTF, and PARC: A natural alliance. Declining Amphibian Populations Task Force Meeting, Arcata, CA,
- 2007 **Keynote Address** - Challenges in herpetofaunal conservation and the role of PARC. PARC Midwest Meeting, Carbondale, IL.
- 2007 **Keynote Address** - Challenges in herpetofauna conservation and the role of PARC” 22<sup>nd</sup> Annual Midwest Herpetological Symposium, Indianapolis, IN.
- 2006 **Keynote Address** - Long-term amphibian studies, DAPTF, and PARC: A natural alliance. Declining Amphibian Task Force annual meeting. Arcata, CA
- 2005 **Distinguished Visiting Professor.** Long-term Research at SREL (7 seminars). University of Miami. November 7-21, 2005
- 2005 **Keynote Address** - Turtle Teachings, From Land and Freshwater to the Sea: Research-Based Decisions for Sea Turtles. Third Annual Terrestrial and Freshwater Turtle Session, 25<sup>th</sup> Symposium on Sea Turtle Biology and Conservation. Charleston, SC.
- 2005 **Keynote Address** - PARC: Where Have We Been and Where Are We Going? Wildlife Society 12<sup>th</sup> Annual Conference, Madison, WI
- 2005 **Keynote Address** - The Pros and Cons of Long-term Ecological Research Based on Lessons from a Third of a Century. USGS Grand Canyon Monitoring & Research Center Science Symposium, Phoenix, AZ.
- 2005 **Invited Speaker.** Smithsonian Institution. "How Productive Can an Isolated Wetland Be? Remarkable Amphibian Biomass and Abundance." Washington, DC.
- 2005 **Keynote Address** - Fernbank Museum of Natural History . "Discovering Georgia's world of hidden biodiversity." Atlanta, GA.
- 2005 **Keynote Address** - Southeastern Ecology and Evolution Conference. Discovering Hidden Biodiversity in the World Around Us: Adventures with Reptiles and Amphibians. Athens, GA
- 2004 **Keynote Address** - SREL Graduate Symposium. "Graduate education at a field research laboratory: Facing the challenge." Aiken, SC.
- 2004 **Invited Speaker.** Workshop on the Ecology, Status and Conservation of Diamondback Terrapins. "Lessons from two decades of tracking terrapins in tidal creeks: Kiawah Island, SC" Jacksonville, FL
- 2004 **Keynote Address** - Biodiversity Center, Georgia Museum of Natural History, and Friends of the Museum. "Discovering hidden biodiversity in the world around us: Adventures with reptiles and amphibians" Athens, GA.
- 2004 **Keynote Address.** Annual Meeting of Alabama Rivers Alliance. Birmingham, AL
- 2004 **Wake Forest University** - "Time to put the land back into wetlands: A case study with reptiles and amphibians" - Winston-Salem, NC
- 2003 **Keynote Address** - Natural Bridge State Park – "Protecting our hidden biodiversity from people who can't see the

- wetland for the water” – Slade, KY
- 2003 **Colorado State University** – “It’s time we put the land back into wetlands” – Ft. Collins, CO
- 2003 **Citizens Advisory Board** – “How productive can a restored Carolina Bay be?” – North Augusta, SC
- 2003 **Friend of Boyd Hill Nature Park** – “Protecting our hidden herpetofaunal biodiversity from people who can’t see the wetland for the water” – St. Petersburg, FL
- 2003 **Kiawah Island’s Environmental Committee** – “The plight of the diamondback terrapin”
- 2003 **Georgia Southern University** – “Reptiles and amphibians send a message: It’s time we put the lands back into wetlands” - Statesboro, GA
- 2003 **Davidson College** – “Reptiles and amphibians send a message: It’s time we put the lands back into wetlands” – Davidson, NC
- 2003 **Blythewood Academy** – “Reptiles and Amphibians of South Carolina” - Columbia, SC
- 2003 **University of Georgia Ecology Class** - "Conserving Hidden Biodiversity: Reptiles and Amphibians of Georgia" – Athens, GA
- 2002 **Citizens Advisory Board** Presentation and Tour of SRS – Aiken, SC
- 2002 **University of North Florida** - “Conserving Hidden Biodiversity: Reptiles and Amphibians” – Jacksonville, FL
- 2002 **Charleston Natural History Society** – “Conserving Hidden Biodiversity: Reptiles and Amphibians” – Charleston, SC
- 2002 **CSRA Planning Commission** - "The Importance of Biodiversity in Development" – Aiken, SC
- 2002 **Society of Wetlands Scientists Symposium** - "Let's Put the Land Back into Wetlands" –
- 2002 **Wackenhut Safety Talk** – “Snakes of the SRS” – Aiken, SC
- 2002 **Dewees Island** – “Conserving Hidden Biodiversity: Reptiles and Amphibians on Barrier Islands” – Dewees Island, SC
- 2002 **Keynote Address:** Eighth Annual Tennessee Herpetology Conference – “Protecting our Hidden Biodiversity from People Who Can’t See the Wetland for the Water” – Clarksville, TN
- 2002 **South Aiken Presbyterian Daycare** – “Reptiles and Amphibians of Aiken County” – Aiken, SC
- 2002 **Shorter College** - “Conserving Hidden Biodiversity: Reptiles and Amphibians” - Rome, GA
- 2001 **Australian Herpetological Society – Tasmania.** "Evaluating distribution and abundance patterns of herpetofauna based on five decades of sampling and one million individuals"
- 2001 **Award Acceptance Speech. Citizens for Nuclear Technology Awareness** “Paradox, Posterity, and Perception” Augusta, GA
- 2001 **Keynote Address:** 21<sup>st</sup> Annual Sea Turtle Symposium “35 Years of Turtle Research and Conservation: Lessons for the Future ” – Philadelphia, PA
- 2001 **Keynote Address: Alabama State Master Gardener’s Annual Conference.** “Alien Plants: How do we balance the good with the bad? ” Tuscaloosa, AL
- 2001 **Explorer’s Club** “Cottonmouth Moccasins: Cowards, Bluffers, Warriors of the Carolina Coastal Plain" - Columbia, SC)
- 2001 **Association of Southeastern Biologists** “Evaluating distribution and abundance patterns of herpetofauna based on five decades of sampling and one million individuals” New Orleans, LA
- 2000 **Keynote Address: The 23<sup>rd</sup> Annual All Florida Herpetology Conference.** “How Do We Protect Our Hidden Biodiversity?” Gainesville, FL
- 2000 **National Association of State Universities and Land Grant Colleges** "What Do We Do about Hidden Biodiversity?" San Antonio, TX
- 2000 **Keynote Address: Society of Environmental Toxicology and Chemistry** "Why Are So Few Reptiles Used in Toxicology Studies?" Nashville, TN
- 1999 **Bachman Group of the Sierra Club Meeting,** Columbia, SC, Reptiles and Amphibians of the Southeast:
- 1999 **First Joint Meeting Between the Georgia and South Carolina Chapters of The Wildlife Society,** Aiken, SC, Herpetofauna: Is it Really Wildlife?
- 1998 **Keynote Address: Race Relations Committee, Stillman College** How Can Learning about Animals Help to Foster Racial Harmony?, Tuscaloosa, AL.
- 1998 **Aiken Citizens Advisory Board,** Rainbow Bay, Longest Amphibian Study in the World.
- 1998 **Keynote Address: Darden Lecture at the University of Alabama** Discovering Alabama’s Secret World of Hidden Biodiversity
- 1997 **Keynote Address:** Who’s Responsible for Assuring that We Have Turtles Left to Study? Keynote Address in Symposium Life History and Ecology of Chelonians at joint meeting of HL, ASIH, SSAR in Seattle
- 1997 **Keynote Address:** Long-term Monitoring of Ecosystems Symposium, Austin Peay State University, Clarksville, TN. Discovering Hidden Biodiversity: Lessons from Three Decades of Herpetological Research.
- 1997 **Keynote Address:** South Carolina Coastal Conservation League, Charleston, SC. Reptiles and Amphibians of the Low Country.
- 1997 **Keynote Address:** Bachman Group of Sierra Club, Columbia, SC. Reptiles and Amphibians of the Southeast: Time

- for an Environmental Attitude Adjustment.
- 1997 **Invited Honorary Speaker:** Wildlife Graduate Student Association Annual Guest Speaker, University of Florida, Gainesville, FL. Long-term Studies with Long-lived Turtles: Life in the Slow Lane.
- 1997 **Guest Speaker:** Annual Meeting, Aiken County Open Land Trust. Hidden Biodiversity: The Challenge of Protecting Species We Seldom See.
- 1997 **Panel Member.** ASIH Graduate Student Workshop -- Communicating with the Press
- 1996 **Facilitator.** Student Environmental Forum, South Carolina Environmental Education Consortium, Francis Marion University, Florence, SC.
- 1996 **Keynote Address,** The Nature Conservancy's 1996 International Conference, Savannah, GA. Hidden Herpetofaunal Biodiversity of the Low Country.
- 1996 **Keynote Address,** Sea Turtle Symposium, Hilton Head, SC. From Fresh Water to the Sea: The Turtle Bridge is Complete.
- 1996 **Banquet Speech,** Sherman A. Minton Symposium, Indianapolis, Indiana. Sherman's March through Herpetology, as told by a Southerner.
- 1996 **Banquet Speech,** Association of Consulting Foresters, S. C. Chapter, Aiken, SC. Reptile Biodiversity of South Carolina Forests.
- 1996 **Keynote Address,** Annual Meeting of Alabama Sierra Club. Hidden Biodiversity of Alabama.
- 1995 **Keynote Address.** North Texas Herpetological Society, Arlington, TX. The benign and maligned: Reassessing reptiles and amphibians in the environmental age.
- 1995 **Keynote Address.** Minnesota Herpetological Society, Minneapolis, MN. The benign and maligned: Reassessing reptiles and amphibians in the environmental age.
- 1995 **Keynote Address.** Alabama Herpetological Society, Jacksonville, AL. The benign and maligned: Reassessing reptiles and amphibians in the environmental age.
- 1995 **Banquet Speech,** Sigma Xi, Augusta, GA. Biodiversity: Prospect and promise for the SRS.
- 1995 **Invited Speaker:** University of Alabama Natural History Museum Curators Meeting, Tuscaloosa, AL. Herpetofaunal biodiversity of Alabama: What should a museum do about it?
- 1994 **Invited Honorary Speaker,** Chautauqua Literary and Scientific Circle, NY. Keeping All the Pieces.
- 1994 **Keynote Address.** Central Florida Herpetological Society, Orlando, FL. The Benign and the Maligned: Reassessing Reptiles in the Environmental Age.
- 1994 **Invited Speaker:** Audubon Naturalist Society, Washington, DC. Benign But Maligned: Reassessing Reptiles in the Environmental Age.
- 1994 **Invited Speaker:** 2nd World Congress of Herpetology, Adelaide, Australia. Parental investment in reptiles.
- 1994 **Invited Speaker,** Conservation Issues with Reptiles Symposium, Tennessee Aquarium, Chattanooga, TN. Imperiled Reptiles: A Historical Perspective.
- 1993 **Banquet Speech,** Southwestern Association of Naturalists, Springfield, MO. How to catch alligators for research, in one easy lesson and three hard ones.
- 1993 **Keynote Address:** Tampa Herpetological Society, Tampa, FL. Long-term studies with long-lived turtles: Life in the slow lane.
- 1993 **Keynote Address:** Carolina Coastal Herpetocultural Society, Charleston, South Carolina. Long-term research with long-lived reptiles: Life in the slow lane.
- 1993 **Keynote Address:** Jacksonville Herpetological Society, Jacksonville, FL. Long-term research with long-lived reptiles: Life in the slow lane.
- 1993 **Invitational Speech:** Smithsonian Associate Residents Program, Washington, DC. Keeping All the Pieces.
- 1993 **Keynote Address,** South Carolina Marine Educator's Annual Conference, Seabrook Island, SC. Reptiles and Amphibians of the South Carolina Coast: Part of Our Southern Heritage.
- 1993 **Keynote Address,** Conservation of Turtles and Tortoises Symposium, Purchase, NY. Measuring Decline and Natural Variation in Populations of Turtles: Spatial Lessons from Long-term Studies.
- 1993 **Keynote Address,** South Carolina Academy of Science, Hartsville, SC. Biodiversity of South Carolina: Our Natural Heritage.
- 1993 **Invited Speaker:** Reptile Workshop, South Carolina State Museum, Columbia, SC. The reptiles of South Carolina.
- 1993 **Invited Speaker:** Artists and Lecturers Annual Series, Stetson University, DeLand, FL. Who's watching the snakes, and why?
- 1993 **Invited Speaker:** International Herpetological Symposium, Miami, FL. Natural Variation in Populations of Reptiles and Amphibians: How Can We Measure Declines?

## HONORS AND AWARDS

- 2007 -- IUCN Behler Turtle Conservation Award in recognition of long-term turtle research and conservation nationally and internationally
- 2007 -- Annual Diamondback Terrapin Working Group Award for Long-term Research
- 2006 -- Henry Fitch Distinguished Herpetologist Award at the national Joint Meeting of Ichthyologists and Herpetologists for long-term excellence in the study of amphibian and reptile biology
- 2005 -- National Outdoor Book Award for "Snakes of the Southeast." Winner in the Nature Guidebook Category
- 2005 -- Selected by graduate students in biology at University of Miami for annual Distinguished Visiting Professor award
- 2004 -- Senior Research Award - Association of Southeastern Biologists
- 2004 -- Certificate of Appreciation in recognition as National Chair (1999-2004) of PARC (Partners in Amphibian and Reptile Conservation) for contributions to conservation of amphibian and reptiles
- 2001 --UGA Institute of Ecology - Outstanding Ecology Instructor Award 2001.
- 2001 --Distinguished Scientist Award 2001. Citizens for Nuclear Technology Awareness (CNTA)
- 2000 --First Place. Color Photography. Excellence in Craft Awards- SC Outdoor Writers Association
- 2000 --Environmental Merit Award 2000 to PARC -- in appreciation and recognition of outstanding environmental stewardship – awarded by EPA Southeast, Region 4
- 1999 --Choice Outstanding Academic Book Award for 1999. *Ecoviews: Snakes, Snails and Environmental Tales*.
- 1999 --Monte L. Bean Life Science Museum/Brigham Young University. Distinguished John Tanner Lectureship Award for 1999.
- 1998 --1998-99 Baker & Taylor School Selection Guide for Grades 7-12. *Their Blood Runs Cold: Adventures with Reptiles and Amphibians*.
- 1997 -- Southeastern Outdoor Press Association. Best Presentation Award for Radio Program (First Place).
- 1997 -- Southeastern Outdoor Press Association. Excellence in Craft Award for Best Magazine Article (Second Place).
- 1996 -- Southeastern Outdoor Press Association. Best Presentation Award for Radio Program in 1995-96 (Second Place).
- 1995 -- South Carolina Governor's Award for Environmental Education -- presented by Governor David Beasley.
- 1995 -- Association of Southeastern Biologists. Meritorious Teaching Award.
- 1995 -- Augusta Chapter of Society of Professional Journalists. Excellence in Journalism Award. Best Public Relations Magazine -- Whit Gibbons et al.
- 1995 -- Southeastern Outdoor Press Association. Best Presentation Award for Radio Program in 1994-95 (Third Place).
- 1994 -- Augusta Chapter of Society of Professional Journalists. Excellence in Journalism Award. "The Grapevine" (SREL internal newsletter; with Jane Sanders and Marie Fulmer).
- 1993 -- Augusta Chapter of Society of Professional Journalists. Best Commentary. *Ecoviews* -

1993 -- Augusta Chapter of Society of Professional Journalists. Excellence in Journalism Award. "The Grapevine" (SREL internal newsletter; with Jane Sanders and Marie Fulmer).  
weekly environmental newspaper column - 1993 - First Place Award.