

D. BRUCE MEANS

CURRICULUM VITAE

PERSONAL HISTORY

Born 9 March 1941, Los Angeles, California
Marital Status: Married Katherine Ann Steinheimer 1/17/93
Two children: G. Harlan Means (b. 1968), Ryan C. Means (b. 1972)
Current Address:
1315 Jackson Street
Tallahassee, Florida 32303
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EDUCATION AND DEGREES

Florida State University
B. S. in Biology 1968
M. S. in Ecology 1972
Ph.D. in Ecology 1975

FELLOWSHIPS

N. I. H. Undergraduate Fellowship, Republic of Panama 1967
Tall Timbers Research Station Pre-Doctoral Research Fellow 1972-1975
Tall Timbers Research Station Post-Doctoral Research Fellow 1975-1977

PROFESSIONAL EXPERIENCE

Survey Technician, USDI Bureau of Land Management, Alaska 1966-1968
Teaching Assistant, Florida State University 1968-1970
Research Biologist, Tall Timbers Research Station 1970-1974
Assistant Director, Tall Timbers Research Station 1974-1978
Adjunct Assistant Professor, Dept. Biological Science, Florida State University 1976-1982
Visiting Faculty, Organization for Tropical Studies, Costa Rica 1977
Director, Tall Timbers Research Station 1978-1984
Adjunct Assistant Professor of Zoology, University of Florida 1982-1985
Adjunct Associate Professor, Dept. Biological Science, Florida State University 1982-1989
Adjunct Curator of Herpetology, Florida State Museum 1984-1987
Research Associate in Zoology, U. S. National Museum, Smithsonian Institute 1989-1992
Adjunct Associate Professor, Dept. Wildlife Ecology and Conservation, Univ. Florida 1996-1997
President and Executive Director, Coastal Plains Institute 1984-2018
Adjunct Professor, Dept. Biological Science, Florida State University 1989-
Research Associate, Tall Timbers Research Station 2009-
Adjunct Professor, Texas State University, San Marcos, Texas 2010-2014
President Emeritus, Coastal Plains Institute and Land Conservancy, 1 October 2018-

TEACHING EXPERIENCE

Florida State University: General Biology, Vertebrate Biology, Ichthyology, Herpetology, Mammalogy, U. S. Coastal Plain Terrestrial Ecology, U. S. Coastal Plain Wetlands Ecology, Florida Coastal Ecology, Race to Save the Planet, Conservation Biology
Organization for Tropical Studies: Tropical Ecology (Costa Rica)
Florida A. & M. University: Vertebrate Zoology
Natural History Tours, has organized and led to: Southeastern United States, Jamaica, Costa Rica, Peruvian Amazon, Cusco/Machu Picchu, Galapagos Islands, Venezuela, Australia, Belize, South Africa, Namibia, Botswana, Zimbabwe

PROFESSIONAL ACTIVITIES

Member, Endangered Species Advisory Committee, State of Florida 1979
Chairman, Special Committee on Amphibians and Reptiles, Florida Committee on Rare and Endangered Plants and Animals 1980-1986
Committee Member, Alabama Non-Game Wildlife Conference July 1983
Chairman, Habitat Management Committee, Florida Non-Game Wildlife Workshop Oct 1983
Chairman, Gopher Tortoise Management Committee, Gopher Tortoise Council 1985
Member, Science Advisory Committee, Leon County, Florida 1995-2007
Co-Chairman, Rattlesnake Conservation Committee, Gopher Tortoise Council 1998-2000
Fellow, The Explorers Club, FN No. 6341, 2007

HONORS AND AWARDS

Florida State University Sigma Xi Student Research Paper Award 1975
W. Kelly Mosley Environmental Award, Alabama 1982
Florida Wildlife Federation Outdoorsman of the Year Award 1987
Governor's Environmental Education Award Finalist, Florida 1994
Pew Scholar in Conservation and Environment Nominee 1995
Cypress Environmental Education Award, Florida Chapter Sierra Club, 1999
Tallahassee Scientific Society's Gold Medal Award, 2009
Florida Book Award General Nonfiction Silver Medal for book, *Diamonds in the Rough*, 2017
Florida Chapter Wildlife Society Paul Moler Herpetology Award, 2019

PROFESSIONAL SOCIETIES

Society for the Study of Evolution
Ecological Society of America
American Society of Naturalists
American Association for the Advancement of Science
American Society of Ichthyologists and Herpetologists
Society for the Study of Amphibians and Reptiles
Herpetologist's League
Biological Society of Washington
Sigma Xi: President, Florida State University Chapter 1980-81
Society for Conservation Biology
Natural Areas Association
Florida Academy of Sciences

EDITORIAL ACTIVITIES

Editor: *Bulletin*, *Tall Timbers Report*, and *Miscellaneous Publications* of Tall Timbers Research Station, January 1974-January 1984

Contributing Editor: *South American Explorer*, 1990-
Editor, *North Florida Journal*, 1991-
Reviewer of proposals and/or manuscripts for National Science Foundation, National Geographic Society, professional journals, Florida Game and Fresh Water Fish Commission, National Wildlife Foundation, etc.
Contributing Editor, *FAUNA Magazine*, 2003-

BIOGRAPHIES

American Men and Women of Science, 13th ed.-
Who's Who in the South and Southwest, 17th ed.-
Who's Who in Science and Engineering, 2nd ed.-
Dictionary of International Biography, 23rd ed.-
Men of Achievement, 16th ed.-
Who's Who in American Education, 5th ed.-
Sigma Xi, The Scientific Research Society, Membership Directory, 1997-
Cambridge Who's Who, 2010-

SOURCES OF FUNDS FOR RESEARCH AND EDUCATION

Pre-doctoral Fellowship Grant, Tall Timbers Research Station (\$21,600) 1972-1975
Florida State University Computing Grant (\$1,000) 1975
Post-doctoral Research Fellowship, Tall Timbers Research Station (\$3,600) 1976
National Geographic Society Research Grant #1769, "Radio-tracking the Eastern Diamondback Rattlesnake" (\$2,140) 1977
National Science Foundation Grant DEB-8012090 "The dynamics of fire-adapted communities--long-term research in environmental biology." Co-principal investigator with William J. Platt (5 years, \$127,756 total) 1980
US Dept. Education/Inst. Museum Services (\$29,025) 1980
US Dept. Education/Inst. Museum Services (\$5,813) 1981
US Dept. Education/Inst. Museum Services (\$5,068) 1982
US Dept. Education/Inst. Museum Services (\$6,480) 1983
Florida Nongame Grant "Life History and Ecology of the Eastern Diamondback Rattlesnake" (\$17,913) 1985
Florida Institute of Government Star Grant #86-043 "Development of procedural methodology to enable Florida land surveyors to determine the Ordinary High Water Line boundary of sovereign lands" (\$30,000) 1986
Quest Foundation Award for "Islands in the Sky" book (\$1,000) 1992
Quest Foundation Award for "Islands in the Sky" book (\$500) 1993
Central Florida Herpetological Society grant for radiotelemetry equipment (\$2,348) 1993
Blumenthal Foundation Award, Wildacres Writer's Retreat, NC, 21 May-3 June 1994
Elizabeth Ordway Dunn Foundation grant for environmental education (\$9,000) 1994
Blumenthal Foundation Award, Wildacres Writer's Retreat, NC, 26 Sep-6 Oct 1994
Blumenthal Foundation Award, Wildacres Writer's Retreat, NC, 19 May-4 June 1995
Blumenthal Foundation Award, Wildacres Writer's Retreat, NC, 24 Sep-29 Oct 1995
U. S. Forest Service grants for temporary ponds study (\$15,600), Sep 1995-Sep 1997
Florida Dept. of Transportation grant for temporary ponds study (\$40,000), Sep 1997-Sep 1999
Department of Defense grant, wetlands studies, Eglin Air Force Base (\$29,000), Oct 1997-Jun 1998
Florida Dept. of Transportation grant for highway mortality study (\$47,000), Sep 1999-Sep 2001
US Fish & Wildlife Service grant, Biology of Southern Dusky Salamander (\$6,000), Oct-Dec 2002

US Fish & Wildlife Service grant for Pond study, Apalachicola NF (\$3,600), Jul 2002-Jun 2003
US Fish and Wildlife Service grant for Biology of the Southern Dusky Salamander (\$5,000), Jun-Dec 2003
Florida Dept. of Transportation grant for Pond study, Apalachicola N. F. (\$47,000), Jul 2003-Jun 2005
Smithsonian Institution grant for expedition to Mt. Wokomung, Guyana (\$1,500), Jul-Aug 2003
National Geographic Society REC grant for expedition to Mt. Wokomung, Guyana (\$3,500), Jul-Aug 2003
Conservation International grant expedition to Mt. Wokomung, Guyana (\$1,500), Jul-Aug 2003
C. C. Phipps grant for "Islands in the Sky" book and documentary film (\$40,000), October 2005
C. C. Phipps grant for "Islands in the Sky" book and documentary film (\$45,000), October 2006
National Institute of Health for expedition to the Wokomung Massif (\$15,000), July 2007
Tall Timbers Research Station grant for completion of book, "Diamonds in the Rough, Natural History of the Eastern Diamondback Rattlesnake" (\$24,000), October 2008
National Geographic Society Expeditions Council grant for "Islands in the Sky: Documenting Hidden Biodiversity on an Ancient Gondwana Hotspot." (\$39,975), May 2011
Center for Biological Diversity, Matching funds for travel to Texas & Oklahoma Rattlesnake Roundups (\$500), March 2012
Felburn Foundation Grant for management of Perdido Bay property (\$20,000), 2013
C. C. Phipps grant for "Islands in the Sky book (\$50,000), March 2014
C. C. Phipps grant for "Islands in the Sky book (\$7,500), July 2014
Florida Fish and Wildlife Conservation Commission SWG grant for *Desmognathus auriculatus* resurvey and pathogen study (\$69,999), July 2016 – July 2020
Wildacres Writer's Retreat, 9-23 July 2018
See Contracts section below for other awards

LANGUAGES

English, Russian, Spanish

SCIENTIFIC AND TECHNICAL PUBLICATIONS

- Means, D. Bruce and Clive J. Longden. 1970. Observations on the occurrence of *Desmognathus monticola* in Florida. *Herpetologica* 26(4):396-399.
- Hobbs, Horton H., Jr. and D. Bruce Means. 1972. Two new troglobitic crayfishes (Decapoda, Astacidae) from Florida. *Proceedings of the Biological Society of Washington* 84(46):393-410.
- Means, D. Bruce. 1972. Comments on undivided teeth in urodeles. *Copeia* 1972(3):386-388.
- Means, D. Bruce. 1974. The status of *Desmognathus brimleyorum* Stejneger and an analysis of the genus *Desmognathus* in Florida. *Bulletin of the Florida State Museum, Biological Sciences*, 18(1):1-100.
- Means, D. Bruce. 1975. Competitive exclusion along a habitat gradient between two species of salamanders (*Desmognathus*) in western Florida. *Journal of Biogeography* 2(4):253-263.
- Means, D. Bruce. 1976. Evolutionary ecology studies on salamanders of the genus *Desmognathus*. Part I: Competitive exclusion along a habitat gradient between two species of salamanders (*Desmognathus*) in

western Florida; Part II: Life history, growth and body size variation in populations of a streamside salamander (*Desmognathus brimleyorum*) on adjacent mountains. Ph. D. thesis, Florida State University, Tallahassee, Florida. [Dissertations Abstracts International 36(8):76-2676.]

Means, D. Bruce and Clive J. Longden. 1976. Aspects of the biology and zoogeography of the pine barrens treefrog (*Hyla andersonii*) in northern Florida. *Herpetologica* 32(2):117-130.

Means, D. Bruce. 1976. Geographic distribution: *Heterodon nasicus gloydi*. *Herpetological Review* (3):123.

Abele, Lawrence G. and D. Bruce Means. 1977. *Sesarma jarvisi* and *S. cookei*: Montane, terrestrial grapsid crabs in Jamaica. *Crustaceana* 32(1):91-93.

Means, D. Bruce. 1977. Aspects of the significance to terrestrial vertebrates of the Apalachicola River drainage basin, Florida. *Florida Marine Research Publications* 26:23-67.

Means, D. Bruce. 1978. Endangered pine barrens treefrog (*Hyla andersonii* Baird), pages 3-4; Rare one-toed amphiuma (*Amphiuma pholeter* Neill), pages 6-7; Rare seal salamander (*Desmognathus monticola* Dunn), pages 7-9; Rare Georgia blind salamander (*Haideotriton wallacei* Carr), pages 9-11; Rare four-toed salamander (*Hemidactylium scutatum* (Schlegel)), pages 11-12; Rare mole snake (*Lampropeltis calligaster rhombomaculata* (Holbrook)), pages 58-60; Rare Apalachicola populations of the eastern common kingsnake including *L. g. goini* (*Lampropeltis getulus* (Linnaeus)), pages 60-61; Status undetermined coal skink (*Eumeces anthracinus pluvialis* Cope), pages 73-74. In Roy McDiarmid, editor. Rare and endangered biota of Florida, Volume 3, Amphibians and reptiles. University of Florida Press, Gainesville, Florida. USA.

Means, D. Bruce and S. P. Christman. 1978. Rare carpenter frog, *Rana virgatipes* Cope. Pages 15-17 in R. McDiarmid, editor. Rare and endangered biota of Florida, Volume 3, Amphibians and reptiles. University of Florida Press, Gainesville, Florida, USA.

Christman, S. P. and D. Bruce Means. 1978. Rare striped newt, *Notophthalmus perstriatus* (Bishop). Pages 14-15 in R. McDiarmid, editor. Rare and endangered biota of Florida, Volume 3, Amphibians and reptiles. University of Florida Press, Gainesville, Florida, USA.

Means, D. Bruce, and P. E. Moler. 1979. The pine barrens treefrog: fire, seepage bogs, and management implications. Pages 77-83 in R. R. Odum and L. Landers, editors. Proceedings of the Rare and Endangered Wildlife Symposium, August 3-4, Athens, Georgia. Georgia Department of Natural Resources, Game and Fish Division Technical Bulletin WL-4.

Karlin, A. A., D. Bruce Means, S. I. Guttman and D. Lambright. 1982. Systematics and the status of *Hyla andersonii* (Anura:Hylidae) in Florida. *Copeia* 1982(3):176-178.

Means, D. Bruce and Howard W. Campbell. 1982. Effects of prescribed burning on amphibians and reptiles. Pages 89-97 in G. W. Wood, editor. Prescribed fire and wildlife in Southern forests. Proceedings of a symposium. Belle W. Baruch Forest Science Institute, Clemson University, Clemson, South Carolina, USA.

Means, D. Bruce. 1982. Responses to winter burrow flooding of the gopher tortoise (*Gopherus polyphemus* Daudin). *Herpetologica* 38(4):521-525.

Brown, Lauren E. and D. Bruce Means. 1984. Fossorial behavior and ecology of the chorus frog

Pseudacris ornata. Amphibia-Reptilia 5:261-273.

Means, D. Bruce. 1985. Radio-tracking the Eastern Diamondback Rattlesnake. National Geographic Society Research Reports 18:529-536.

Means, D. Bruce. 1986. Threatened pine barrens treefrog, *Hyla andersonii* Baird, pages 29-30; Threatened dusky gopher frog, *Rana areolata sevosa* Goin and Netting, pages 30-31; Species of special concern flatwoods salamander, *Ambystoma cingulatum* Cope, pages 42-43; Species of special concern eastern diamondback rattlesnake, *Crotalus adamanteus* Beauvois, pages 48-49; Poorly known one-toed amphiuma, *Amphiuma pholeter* Neill, pages 56-57; Poorly known southern dusky salamander, *Desmognathus auriculatus* (Holbrook), pages 58-59; Poorly known Guld Coast mud salamander, *Pseudotriton montanus flavissimus* Hallowell, page 62; Poorly known Southern red salamander, *Pseudotriton ruber vioscai* Bishop, pages 62-63 in Robert H. Mount, editor. Vertebrate animals of Alabama in need of special attention. Proceedings of the First Alabama Non-Game Conference, 15-16 July 1983, Auburn University, Alabama, i-xiv, 1-124.

Means, D. Bruce and Daniel I. Simberloff. 1987. The peninsula effect: habitat-correlated species decline in Florida's herpetofauna. Journal of Biogeography 14(4):551-568.

Wolfe, S. H., J. A. Reidenauer, and D. B. Means. 1988. An ecological characterization of the Florida panhandle. U. S. Fish & Wildlife Service Biological Report 88(12):1-277.

Means, D. Bruce. 1988. Management recommendations for the gopher tortoise in longleaf pine ecosystems. Pp. 41-56 in C. K. Dodd, Jr. (ed.). Gopher tortoise habitat management: strategies and options. Proc. 6th Ann. Mtg. Gopher Tortoise Council, Florida Museum of Natural History, Gainesville. 58 pp.

Means, D. Bruce and Alvan A. Karlin. 1989. A new species of *Desmognathus* (Amphibia: Caudata: Plethodontidae) from the eastern Gulf Coastal Plain. Herpetologica 45(1):37-46.

Means, D. Bruce. 1990. Geographic distribution: *Anolis sagrei*. SSAR Herpetological Review 21(4):96.

Means, D. Bruce. 1990. Geographic distribution: *Hemidactylus turcicus*. SSAR Herpetological Review 21(4):96.

Means, D. Bruce. 1992. Rare Pine Barrens Tree Frog, pages 20-25; Rare One-toed Amphiuma, pages 34-38; Rare Seal Salamander, pages 44-48; Rare Georgia Blind Salamander, pages 49-53; Rare Four-toed Salamander, pages 54-57; Rare Southern Coal Skink, pages 219-222; Rare Mole Snake, pages 227-231; Rare Eastern Common Kingsnake, pages 232-236; Rare Southern Copperhead, pages 242-246. In Paul E. Moler, ed. Rare and endangered biota of Florida. Volume III. Amphibians and Reptiles. University Presses of Florida, Gainesville.

Means, D. Bruce and Steven P. Christman. 1992. Rare Carpenter Frog. Pages 26-29 in Paul E. Moler, ed. Rare and endangered biota of Florida. Volume III. Amphibians and Reptiles. University Presses of Florida, Gainesville.

Steven P. Christman and D. Bruce Means. 1992. Rare Striped Newt. Pages 62-65 in Paul E. Moler, ed. Rare and endangered biota of Florida. Volume III. Amphibians and Reptiles. University Presses of Florida, Gainesville.

Karlin, Alvan A., Sheldon I. Guttman, and D. Bruce Means. 1993. Population structure in the Ouachita Mountain Dusky Salamander, *Desmognathus brimleyorum* (Caudata: Plethodontidae). *Southwestern Naturalist* 38(1):36-42.

Means, D. Bruce. 1993. *Desmognathus apalachicola*. *Catalogue of the American Amphibians and Reptiles* 556.1-556.2.

Karlin, Alvan A. and D. Bruce Means. 1994. Genetic variation in the aquatic salamander genus *Amphiuma*. *American Midland Naturalist* 132(1):1-9.

Means, D. Bruce. 1995. Fire ecology of the Guayana Region, northeastern South America. Pages 61-77 in Susan I. Cerulean and R. Todd Engstrom, eds. *Fire in wetlands: a management perspective*. Proceedings of the Tall Timbers Fire Ecology Conference, No. 19. Tall Timbers Research Station, Tallahassee, FL.

Means, D. Bruce, John G. Palis, and Mary Baggett. 1996. Effects of slash pine silviculture on a Florida population of flatwoods salamander. *Conservation Biology* 10(2):426-437.

Means, D. Bruce. 1996a. Chapter 15. Longleaf pine forest, going, going.... Pages 210-229 in Mary Byrd Davis, ed. *Eastern old-growth forest: Prospects for rediscovery and recovery*. Island Press, Washington, D. C.

Means, D. Bruce. 1996b. A preliminary consideration of highway impacts on herpetofauna inhabiting small isolated wetlands in the southeastern U.S. Coastal Plain. Pages 1-11 in G. L. Evink, P. Garrett, D. Zeigler, and J. Berry, eds. *Trends in addressing transportation related wildlife mortality*. Proceedings of the Transportation Related Wildlife Mortality Seminar, 30 April-2 May, 1996, Orlando, FL. Florida Department of Transportation, Tallahassee, FL.

Means, D. Bruce. 1996c. Geographic distribution: *Anolis sagrai*. *SSAR Herpetological Review* 27(3):151-152.

Means, D. Bruce. 1996d. Geographic distribution: *Gekko gecko*. *SSAR Herpetological Review* 27(3):152.

Means, D. Bruce. 1996e. Geographic distribution: *Hemidactylus turcicus*. *SSAR Herpetological Review* 27(3):152.

Means, D. Bruce. 1996f. *Amphiuma pholeter*. *Catalogue of the American Amphibians and Reptiles* 622.1-622.2.

Means, D. Bruce. 1997. Natural history of Mountain Pine Ridge, Belize. Bull Run Overseas, Ltd., Benque Viejo del Carmen, Belize. 94 pages.

Means, D. Bruce and T. Lewis. 1997. Geographic distribution: *Amphiuma means*. *SSAR Herpetological Review* 28(1):47.

Means, D. Bruce. 1997. *Restoration and Management Notes* 15(1):53-56

Means, D. Bruce. 1998a. Geographic distribution: *Ambystoma cingulatum*. *SSAR Herpetological Review* 29(1):47.

Means, D. Bruce. 1998b. Geographic distribution: *Lampropeltis getula*. SSAR Herpetological Review 29(2):113.

Means, D. Bruce. 1998c. Geographic distribution: *Agkistrodon contortrix contortrix*. SSAR Herpetological Review 29(3):175.

Means, D. Bruce. and Steven P. Christman. 1998. Geographic distribution: *Farancia abacura*. SSAR Herpetological Review 29(3):177.

Means, D. Bruce, and Anne Harvey. 1999a. Barbour's map turtle in the diet of nesting bald eagles. Florida Field Naturalist 27(1):14-16.

Means, D. Bruce. 1999b. *Desmognathus auriculatus*. Catalogue of the American Amphibians and Reptiles:681.1-681.6.

Means, D. Bruce. 1999c. *Desmognathus brimleyorum*. Catalogue of the American Amphibians and Reptiles:682.1-682.4.

Means, D. Bruce. 1999d. The Effects of Highway Mortality on Four Species of Amphibians at a Small, Temporary Pond in Northern Florida. Pages 125-128 in G. Evinck, P. Garrett, and D. Zeigler, eds. Proceedings of the Third International Conference on Wildlife Ecology and Transportation, September 13-16, 1999. Missoula, Montana.

Means, D. Bruce. 2000. Chapter 14. Southeastern U. S. Coastal Plain habitats of the Plethodontidae: the importance of relief, ravines, and seepage. Pages 287-302 in R. C. Bruce, R. J. Jaeger, and L. D. Houck, eds. The Biology of Plethodontid Salamanders. Plenum Publ. Corp., N. Y.

Martin, W. H. and D. Bruce Means. 2000. Geographic distribution and habitat relationships of the eastern diamondback rattlesnake, *Crotalus adamanteus*. Herpetological Natural History 7(1):9-35.

Means, D. Bruce and K. L. Krysko. 2001. Biogeography and pattern variation in the Kingsnake, *Lampropeltis getula*, across the Apalachicola Region of Florida. Contemporary Herpetology 2001(5):1-33. <http://www.calacademy.org/research/herpetology/ch/ch/2001/5/index.htm>

Means, D. Bruce. 2002. Foreward in Miles Barton, Nigel Bean, Stephen Dunleavey, Ian Gray, and Adam White. Wild New World, The Wildlife of Ice Age North America. BBC Worldwide Ltd., London.

Means, D. Bruce and Guy H. Means. 2002. Geographic Distribution: *Pseudobranchius striatus*. Herpetol. Rev. 33(4):316.

Means, D. Bruce. 2003. Notes on the reproductive biology of the Alabama Red Hills Salamander (*Phaeognathus hubrichti*). Contemporary Herpetology 2003(3). <http://www.cnah.org/ch/ch/2003/3/index.htm>

Bailey, Mark A. and D. Bruce Means. 2004a. Gopher Frog, *Rana capito* Le Conte and Mississippi Gopher Frog, *Rana sevosa* Goin and Netting. Pages 15-17 in R. E. Mirarchi, M. A. Bailey, T. M. Haggerty, and T. L. Best, eds. Alabama Wildlife. Vol. 3. Imperiled amphibians, reptiles, birds, and mammals. University of Alabama Press, Tuscaloosa, Alabama.

Means, D. Bruce. 2004b. Flatwoods salamander, *Ambystoma cingulatum* (Cope). Pages 19-20 in R. E. Mirarchi, M. A. Bailey, T. M. Haggerty, and T. L. Best, eds. Alabama Wildlife. Vol. 3. Imperiled amphibians, reptiles, birds, and mammals. University of Alabama Press, Tuscaloosa, Alabama.

Means, D. Bruce. 2004c. Southern Dusky Salamander, *Desmognathus auriculatus* (Holbrook). Pages 22-23 in R. E. Mirarchi, M. A. Bailey, T. M. Haggerty, and T. L. Best, eds. Alabama Wildlife. Vol. 3. Imperiled amphibians, reptiles, birds, and mammals. University of Alabama Press, Tuscaloosa, Alabama.

Means, D. Bruce. 2004d. Pine Barrens Treefrog, *Hyla andersonii* Baird. Pages 25-26 in R. E. Mirarchi, M. A. Bailey, T. M. Haggerty, and T. L. Best, eds. Alabama Wildlife. Vol. 3. Imperiled amphibians, reptiles, birds, and mammals. University of Alabama Press, Tuscaloosa, Alabama.

Means, D. Bruce. 2004e. One-toed Amphiuma, *Amphiuma pholeter* Neill. Pages 28-29 in R. E. Mirarchi, M. A. Bailey, T. M. Haggerty, and T. L. Best, eds. Alabama Wildlife. Vol. 3. Imperiled amphibians, reptiles, birds, and mammals. University of Alabama Press, Tuscaloosa, Alabama.

Bailey, Mark A. and D. Bruce Means. 2004f. Red Hills Salamander, *Phaeognathus hubrichti* Highton. Pages 34-36 in R. E. Mirarchi, M. A. Bailey, T. M. Haggerty, and T. L. Best, eds. Alabama Wildlife. Vol. 3. Imperiled amphibians, reptiles, birds, and mammals. University of Alabama Press, Tuscaloosa, Alabama.

Means, D. Bruce. 2004g. Coal Skink, *Eumeces anthracinus* (Baird). Pages 58-59 in R. E. Mirarchi, M. A. Bailey, T. M. Haggerty, and T. L. Best, eds. Alabama Wildlife. Vol. 3. Imperiled amphibians, reptiles, birds, and mammals. University of Alabama Press, Tuscaloosa, Alabama.

Means, D. Bruce. 2004h. Eastern Kingsnake, *Lampropeltis getula getula* Linnaeus. Pages 65-66 in R. E. Mirarchi, M. A. Bailey, T. M. Haggerty, and T. L. Best, eds. Alabama Wildlife. Vol. 3. Imperiled amphibians, reptiles, birds, and mammals. University of Alabama Press, Tuscaloosa, Alabama.

Means, D. Bruce. 2004i. Florida Pine Snake, *Pituophis melanoleucus mugitus* (Barbour). Pages 69-70 in R. E. Mirarchi, M. A. Bailey, T. M. Haggerty, and T. L. Best, eds. Alabama Wildlife. Vol. 3. Imperiled amphibians, reptiles, birds, and mammals. University of Alabama Press, Tuscaloosa, Alabama.

Means, D. Bruce. 2004j. Eastern Diamondback Rattlesnake, *Crotalus adamanteus* Beauvois. Pages 73-74 in R. E. Mirarchi, M. A. Bailey, T. M. Haggerty, and T. L. Best, eds. Alabama Wildlife. Vol. 3. Imperiled amphibians, reptiles, birds, and mammals. University of Alabama Press, Tuscaloosa, Alabama.

Means, D. Bruce. 2004k. Natural history notes: *Rana capito* (Florida Gopher Frog) defensive behavior. Herpetological Review 35(2):163-164.

Means, D. Bruce, C. K. Dodd, Jr., S. A. Johnson, and J. G. Palis. 2004l. Amphibians and fire in longleaf pine ecosystems. Conservation Biology 18(3):1149-1153.

Means, D. Bruce. 2004m. Geographic distribution: *Ambystoma tigrinum*. Herpetological Review 35(4):402-403.

Means, D. Bruce. 2004n. Geographic distribution: *Bothriopsis taeniata*. Herpetological Review 35(4):410.

Means, D. Bruce. 2005a. *Hyla andersonii*. Pages 445-447 in Michael Lanoo, ed. Amphibian declines:

The conservation status of United States species. University of California Press, Berkeley, CA.

Palis, John G. and D. Bruce Means. 2005b. *Ambystoma cingulatum*. Pages 608-609 in Michael Lanoo, ed. Amphibian declines: The conservation status of United States species. University of California Press, Berkeley, CA.

Means, D. Bruce. 2005c. *Amphiuma pholeter*. Pages 645-646 in Michael Lanoo, ed. Amphibian declines: The conservation status of United States species. University of California Press, Berkeley, CA.

Means, D. Bruce. 2005d. *Desmognathus apalachicola*. Pages 698-699 in Michael Lanoo, ed. Amphibian declines: The conservation status of United States species. University of California Press, Berkeley, CA.

Means, D. Bruce. 2005e. *Desmognathus auriculatus*. Pages 700-701 in Michael Lanoo, ed. Amphibian declines: The conservation status of United States species. University of California Press, Berkeley, CA.

Means, D. Bruce. 2005f. *Desmognathus brimleyorum*. Pages 701-703 in Michael Lanoo, ed. Amphibian declines: The conservation status of United States species. University of California Press, Berkeley, CA.

Means, D. Bruce. 2005g. *Desmognathus conanti*. Pages 705-706 in Michael Lanoo, ed. Amphibian declines: The conservation status of United States species. University of California Press, Berkeley, CA.

Means, D. Bruce. 2005h. *Desmognathus fuscus*. Pages 708-710 in Michael Lanoo, ed. Amphibian declines: The conservation status of United States species. University of California Press, Berkeley, CA.

Means, D. Bruce. 2005i. *Haideotriton wallacei*. Pages 779-780 in Michael Lanoo, ed. Amphibian declines: The conservation status of United States species. University of California Press, Berkeley, CA.

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- Means, D. Bruce. 2018. If Mr. Crouch Could See Me Now. Florida Humanities Council Forum Magazine, Spring Issue:10-11.

Holzheuser, C. R., D. Bruce Means, and B. L. Talley. 2021. Chasing Shadows: Mysterious Declines of the Southern Dusky Salamander. Southeastern Partners in Amphibian and Reptile Conservation.

BOOKS

Whitney, Ellie, D. Bruce Means, and Ann R. Rudloe. 2004. ***PRICELESS FLORIDA: Natural Ecosystems and Native Species***. i-viii + 423 pp. Pineapple Press, Sarasota, FL. A book about the ecology of Florida from the Gulf of Mexico's abyssal plain to the highest, driest, longleaf pine/turkey oak sandhills.

Valentine, James and D. Bruce Means. 2006. ***FLORIDA, MAGNIFICENT WILDERNESS***. Pineapple Press, Sarasota, FL. 145 pp. A large-format photography book about Florida's state parks and public lands.

Means, D. Bruce. 2008. ***STALKING THE PLUMED SERPENT and Other Adventures in Herpetology***. A book featuring Means's firsthand research and adventure experiences with snakes, frogs, salamanders, earthworms and other things that go bump in the night. Foreward by E. O. Wilson. Pineapple Press, Sarasota, FL. i-xi, 238 pp.

Whitney, Ellie and D. Bruce Means. 2014. ***FLORIDA'S UPLANDS***, Volume 1 in Florida's Natural Ecosystems and Native Species Series. Pineapple Press, Sarasota, FL

Whitney, Ellie, D. Bruce Means, and Anne Rudloe. 2014. ***FLORIDA'S WETLANDS***, Volume 2 in Florida's Natural Ecosystems and Native Species Series. Pineapple Press, Sarasota, FL

Whitney, Ellie and D. Bruce Means, and Anne Rudloe. 2014. ***FLORIDA'S WATERS***, Volume 3 in Florida's Natural Ecosystems and Native Species Series. Pineapple Press, Sarasota, FL

Valentine, James and D. Bruce Means. 2014. ***FLORIDA'S MAGNIFICENT WATER***. Volume 1 in Magnificent Florida Series. Pineapple Press, Sarasota, FL.

Valentine, James and D. Bruce Means. 2014. ***FLORIDA'S MAGNIFICENT LAND***. Volume 2 in Magnificent Florida Series. Pineapple Press, Sarasota, FL.

Valentine, James and D. Bruce Means. 2014. ***FLORIDA'S MAGNIFICENT COAST***. Volume 3 in Magnificent Florida Series. Pineapple Press, Sarasota, FL.

Means, D. Bruce. 2017. ***DIAMONDS IN THE ROUGH, Natural history of the Eastern Diamondback Rattlesnake***. A book on the natural history of the eastern diamondback rattlesnake based on the author's eight-year radiotelemetry study of a free-ranging population. Tall Timbers Press, Tallahassee, FL. xxvi + 390 pp.

Means, D. Bruce. 2023. ***BASECAMP IN THE TROPICS, My Adventures Discovering Biodiversity in South America***. A book about expeditions Means made to one of the world's last unexplored wildernesses discovering natural treasures of frogs and other wildlife new to science discovered on National Geographic Society funded treks. ECO Publishing (In press.)

Means, D. Bruce and James Valentine. 2023. ***ISLANDS IN THE SKY, Lost Worlds of El Dorado***. A

book about the natural history of one of the planet's premier wilderness areas as revealed through the author's explorations and photography of remote mesas in the rainforests of the upper Orinoco basin. (Manuscript seeking a publisher.)

Means, D. Bruce. 2023. *A NATURALIST IN THE GARDEN OF EDEN*. A book about Means's 45-year research odyssey in the Florida panhandle where the greatest number of species occurs in frogs, snakes, turtles, carnivorous plants, ecosystems, and other groups of organisms. The focus is on the amazing biogeography of this small, but most-biodiverse, region in the US and Canada as seen through Means's lifelong researches and experiences. (In preparation.)

CONTRACT REPORTS

City of Tallahassee Powerline Project: Faunal Impact Study. Report under contract with the City of Tallahassee, Florida, 198 pages. 1974.

A survey of the amphibians, reptiles and mammals inhabiting St. George Island, Franklin County, Florida with comments on vulnerable aspects of their ecology. 21 pages in R. J. Livingston and N. M. Thompson, editors. Field and laboratory studies concerning effects of various pollutants on estuarine and coastal organisms with application to the management of the Apalachicola Bay system (North Florida, U.S.A.). Florida Sea-grant project. 1974.

Environmental sketch of Leon County, Florida with special emphasis on vertebrates. Report under contract with Leon County, Florida, 119 pages. 1975.

Survey of the status of amphibians and reptiles of the Apalachicola National Forest, Florida. Report under contract with the U. S. Forest Service, 60 pages. 1976.

Survey of the status of amphibians and reptiles of the Osceola National Forest, Florida. Report under contract with the U. S. Forest Service, 52 pages. 1976.

Survey of the status of amphibians and reptiles of the Ocala National Forest, Florida. Report under contract with the U. S. Forest Service, 43 pages. 1976.

Investigations into the decline of the Wakulla River Limpkin population 1975-1978. Report under contract with the Edward Ball Wildlife Foundation, 11 pages. 1978.

Stewardship plan for Phipps Point Nature Preserve. Report under contract with The Nature Conservancy, 75 pages, (with R. L. Crawford). 1980.

Feasibility of advanced wastewater treatment facility, Fort Polk, Louisiana. Report under contract with the U. S. Army, 14 pages. 1982.

Survey of beech-magnolia forests of north Florida. Report under contract with The Nature Conservancy, 66 pages. 1984.

Ecological Critique of the Proposed Management Plan for Florida National Forests. Report under contract with the National Wildlife Federation, 31 pages. 1985.

Life History and Ecology of the Eastern Diamondback Rattlesnake. Report under contract with Florida Game and Fresh Water Fish Commission, project number GFC-84-13, 331 pages. 1986.

Ecological Reasons for an Appeal of Forest Service Proposed Management Plan for Florida National Forests. Report under contract with the National Wildlife Federation, 23 pages. 1986.

The Status of the Indigo Snake. Report under contract with Tidewater II Properties, Okaloosa-Walton counties, Florida, 9 pages. 1986.

Developing a Methodology for Surveying the Ordinary High Water Line: Is It Feasible? Report under contract with the Florida Department of Natural Resources, 128 pages. 1986.

Impact of current forestry practices on national forests in Florida. Report under contract with The Wilderness Society, 59 pages. 1987.

A brief history of OHWL determinations in Florida and listing of pertinent literature. *In* David Gibson (ed.). Development of Procedural Methodology to Enable Florida Land Surveyors to Determine the Ordinary High Water Line Boundary of Sovereign Lands. Final report under contract to Florida Institute of Government, Star Project 86-043, 340 pages. 1987.

The application of hydrology to the determination of the ordinary high water line. *In* David Gibson (ed.), Development of procedural methodology to enable Florida land surveyors to determine the ordinary high water line boundary of sovereign lands. Final report under contract to Florida Institute of Government, Star Project 86-043, 340 pages. 1987.

An ecological characterization of the Florida Panhandle. Report under contract with Florida Department of Environmental Regulation and U. S. Fish and Wildlife Service. U.S. Fish Wild. Serv. Biol. Rept. 88(12), 277 pages. 1988.

Ordinary High Water Primer (A Review of the Scientific and Legal Basis for OHWL Determination). Volume A. First Ed. Report under Contract No. C5171 with Florida Department of Natural Resources, 192 pages. 1988.

Ordinary High Water Workbook. (A Manual to Guide the Surveyor in Establishing the Ordinary High Water Line on Non-tidal Sovereign Lands). Volume B. First Ed. Report under Contract No. C5171 with Florida Department of Natural Resources, 94 pages. 1988.

Potential Sites for Native and High Quality Successional Forest in the City of Tallahassee and Leon County, Florida. Report under subcontract on City of Tallahassee contract to Tall Timbers Research Station & Dr. Sharon Hermann, 29 pages. 1992.

Evaluation of the Effects of Large-scale Disturbance on Gulf Coastal Wetlands: Assessment of the Impacts of Hurricanes and Fires on Vegetation Dynamics of the St. Marks National Wildlife Refuge. Report under subcontract on U. S. Fish and Wildlife Service grant to Dr. William Platt, 25 pages. 1992.

Contributions toward an Ecological Characterization of the Mountain Pine Ridge, Belize, Central America. Report under contract with Mt. Pleasant, Ltd., Hidden Valley Inn. 203 pages. 1992.

National Forests in Florida, a fact sheet/white paper. Report under contract with The Nature Conservancy, 58 pages. 1993.

Environmental survey of Tyndall Air Force Base, Bay County, Florida. Report under contract with Florida Natural Areas Inventory, The Nature Conservancy. 153 pages. 1993.

Handbook for guides, Billie Swamp Safari; Ecology of Big Cypress Region of South Florida. Report under contract with the Seminole Nation, 56 pages. 1994.

Florida populations of the striped newt, *Notophthalmus perstriatus*, west of the Suwannee River. Contributions to life history, ecology, and distribution. I. Report under contract with the U. S. Fish and Wildlife Service, Jackson, MS, 57 pages. 1994. (By D. B. Means, T. E. Ostertag, & D. Printiss.)

Distribution, habitat ecology, and management of the striped newt, *Notophthalmus perstriatus*, in the Apalachicola National Forest, Florida. Report under contract with the U. S. Forest Service, National Forests in Florida, Tallahassee, FL, 30 pages. 1994. (By D. B. Means, T. E. Ostertag, & D. Printiss.)

Amphibians and reptiles of Torreya State Park (with special emphasis on the Rock Creek Tract). Report under contract with Florida Department of Environmental Protection, 70 pages. 1995.

Element Stewardship Abstract: Eastern Diamondback Rattlesnake. Report under contract with The Nature Conservancy, Southeast Regional Office, Chapel Hill, N. C. 11 pages. 1995.

Conservation Strategy for Endangered Florida torreyia, *Torreya taxifolia*. Report under contract with The Nature Conservancy, Southeast Regional Office, Chapel Hill, N. C. 8 pages. 1995.

Conservation Strategy for Endangered Chapman's rhododendron, *Rhododendron chapmanii*. Report under contract with The Nature Conservancy, Southeast Regional Office, Chapel Hill, N. C. 11 pages. 1995.

Conservation Strategy for Threatened Godfrey's butterwort, *Pinguicula ionantha*. Report under contract with The Nature Conservancy, Southeast Regional Office, Chapel Hill, N. C. 10 pages. 1995.

Conservation Strategy for Threatened Miccosukee gooseberry, *Ribes echinellum*. Report under contract with The Nature Conservancy, Southeast Regional Office, Chapel Hill, N. C. 8 pages. 1995.

Conservation Strategy for Threatened Florida skullcap, *Scutellaria floridana*. Report under contract with The Nature Conservancy, Southeast Regional Office, Chapel Hill, N. C. 10 pages. 1995.

Larval life cycle of the striped newt, *Notophthalmus perstriatus*, on the Apalachicola National Forest, Florida. Report under contract with the U. S. Forest Service, National Forests in Florida, Tallahassee, FL, 30 pages. 1996. (By D. B. Means and D. Printiss.)

Distribution of the flatwoods salamander, *Ambystoma cingulatum*, on the Osceola National Forest, Florida. Report under contract with the U.S. Forest Service, National Forests in Florida, Tallahassee, FL. 1996. (By D. J. Printiss and D. B. Means.)

Miccosukee road Greenway: An environmentally sensitive areas analysis. Report under contract with Trust for Public Lands, Tallahassee, FL, 9 pages. 1996. (By Helge R. Swanson and D. B. Means.)

Use of a temporary pond by amphibians and reptiles in the Munson Sandhills of the Apalachicola National Forest with special emphasis on the striped newt and gopher frog, Year 1: September 1995 - September 1996. Final report under contract with the U. S. Forest Service, National Forests in Florida, Tallahassee, FL, 38 pages. September 1996. (By D. B. Means and David Printiss.)

Use of a temporary pond by amphibians and reptiles in the Munson Sandhills of the Apalachicola National Forest with special emphasis on the striped newt and gopher frog, Year 2: September 1996 - September 1997. Final report under contract with the U. S. Forest Service, National Forests in Florida, Tallahassee, FL, 23 pages. September 1997. (By D. B. Means and Ryan C. Means.)

Saving species on our National Forests: Case studies from the Southern Region. Report under contract with the Defenders of Wildlife, Washington, D. C. 40 pages. October 1997. (By D. B. Means.)

Distribution of the striped newt (*Notophthalmus perstriatus*) and gopher frog (*Rana capito*) in the Munson Sand Hills of the Florida panhandle. Final report to the U. S. Fish and Wildlife Service, Jackson, MS, for Order No. 43910-5-0077. April 1998. 42 pages. (By D. B. Means and R. C. Means)

Red Hills Survey for breeding pond habitat of the flatwoods salamander (*Ambystoma cingulatum*), gopher frog (*Rana capito*), and striped newt (*Notophthalmus perstriatus*) in the Tallahassee Red Hills of Leon, Gadsden, and Jefferson counties, Florida, and the Tifton Uplands of Thomas and Grady counties, Georgia. Final report to the U. S. Fish and Wildlife Service, Jackson, MS, for Order No. 43910-5-0091. 23 pages. April 1998. (By D. B. Means and R. C. Means.)

Amphibians and reptiles of Apalachicola Bluffs and Ravines Preserve, The Nature Conservancy. Final Report to The Nature Conservancy. 25 pages. December 1998. (By D. B. Means.)

Salamanders of Eglin Air Force Base: Towards a long-term monitoring program. Final Report to the Natural Resources Branch at Jackson Guard, Eglin AFB, for contract No. F0865197M5602. 126 pages. March 1999. (By D. B. Means.)

Reducing impacts on rare vertebrates that require small isolated water bodies along U. S. Highway 319. Final Report to the Florida Department of Transportation. 148 pages. September 2001. (By D. B. Means.)

Results of the drift fence survey of Study Pond #1, Apalachicola National Forest, Leon County, Florida, July 2002 – June 2003. Final Report to U. S. Fish and Wildlife Service in satisfaction of Order No. 1448-43910-1-M718A. 21 pages. 30 November 2003. (By D. B. Means.)

Report to the Florida Department of Transportation for Work Completed 1 July 2004 – 28 February 2005. Monitoring Amphibians and Reptiles under FDOT Contract No. BD543, Work Order #7. Life Cycles, Dispersal, and Critical Habitat Utilization of Vertebrates Dependent upon Small Isolated Water Bodies in the Munson Sandhills and Woodville Karst Plain, Leon County, Florida. 17 pages. 1 March 2005. (By D. B. Means.)

Final Report to Florida Department of Transportation for Omni Project 010562. "Life cycles, dispersal, and critical habitat utilization of vertebrates dependent upon small isolated water bodies in the Munson Sandhills and Woodville Karst Plain, Leon County, Florida. 79 pages. 30 March 2007. (By D. B. Means.)

The biology of the southern dusky salamander, *Desmognathus auriculatus*. Part II. Report to the U. S. Fish and Wildlife Service in Fulfillment of Order No. 1448-43910-3-M008A. 38 pages. 6 June 2009. (By D. B. Means.)

Biodiversity Dependent Upon Wetland Ecosystems Created by Seepage from the Surficial Aquifer in Bay and Washington Counties, Florida. Final Report to The Northern Trust Company as the Sole Trustee of

the James L. Knight Charitable Term Trust. 23 August 2011. 51 pages. (By D. B. Means).

A Conservation Strategy for the Imperiled Striped Newt (*Notophthalmus perstriatus*) in the Apalachicola National Forest, Florida. First Annual Report to the U. S. Forest Service, Tallahassee, Florida, September 2011. 20 pages. (By R. C. Means, R. P. M. Means, D. L. Miller, M. J. Gray, S. A. Johnson, D. B. Means, and R. Brenes.)

FIELD AND PROFESSIONAL EXPERIENCE

1966 ALASKA. Surveyed lands N of Fairbanks, in the Nenana River valley, Healy Canyon, and vicinity of Lake Minshumina of central Alaska for U. S. Bureau of Land Management, May-Sept.

1967 PANAMA. Studied by mist-netting and banding the return routes of North American birds during spring migration on slopes of Volcan Chiriqui, January-April.

1967 ALASKA. Surveyed Wood River-Tikchik lakes region of southeastern Alaska, for U. S. Bureau of Land Management, via helicopters; May-Sept.

1968-72 SOUTHEASTERN U.S. Studied ecology and distribution of salamanders of the genus *Desmognathus* throughout the Coastal Plain for M. S. and Ph. D. thesis, Part I.

1968-75 PANHANDLE FLORIDA. Studied ecology and distribution of One-toed Amphiuma in Panhandle Florida and adjacent Georgia.

1968-76 FLORIDA TO NEW JERSEY. Studied life history, ecology, and biogeography of Pine Barrens Tree Frog in the southeastern United States.

1968-86 PANHANDLE FLORIDA. Genetic studies of pattern polymorphism in unique populations of the Common Kingsnake.

1968 ALASKA. Surveyed lands via helicopter lying along north and east boundary of Mt. McKinley National Park for B.L.M.; included field work on birds and mammals; June-Sept.

1970 MEXICO. Field work collecting amphibians and reptiles in east coast states of Veracruz and Tamaulipas, and vicinity of Huatusco, July.

1970-75 SOUTHEASTERN U.S. Field work throughout southeastern U. S. for North American earthworm studies project, Tall Timbers Research Station. Two species named for me (*Diplocardia meansi*, *Sparganophilus meansi*).

1972-73 SOUTHERN APPALACHIAN MOUNTAINS of north Georgia and the Carolinas. Studied ecology of streamside salamanders.

1972-75 OUACHITA MOUNTAINS of Arkansas and Oklahoma. Evolutionary ecology studies of mountain populations of *Desmognathus brimleyorum*; Ph.D. thesis, Part II.

1974 CITY OF TALLAHASSEE, FLORIDA. Field study and survey of impacts to vertebrates along proposed powerline rights-of-way.

1974 ST. GEORGE ISLAND, Franklin County, Florida. Field survey of potential impacts to amphibians, reptiles, and mammals.

1974 Consultant in preparation of section on salamanders of genus *Desmognathus*, "A Field Guide to Reptiles and Amphibians of Eastern and Central North America," by Roger Conant. Houghton Mifflin Co.

1975 LEON COUNTY, FLORIDA. Contract for environmental sketch of Leon County, with special emphasis on vertebrates.

1975-86 FLORIDA. Member, Florida Committee for Rare and Endangered Plants and animals; Chairman, Special Committee on Amphibians and Reptiles, 1980-85.

1976 FLORIDA. Prepared surveys based on field work 1968-1976 on status of amphibians and reptiles of the three national forests in Florida, U. S. Forest Service contract.

1976-84 NORTH FLORIDA. Life history and ecology study of the Eastern Diamondback Rattlesnake

utilizing telemetry on 1000-acre study site on Tall Timbers Research Station.

1976 JAMAICA. Field work on the ecology and distribution of five Jamaican endemic crabs of the genus *Sesarma* with Lawrence G. Abele, July.

1976 Member of Workshop and Co-editor of "Threatened and Endangered Vertebrates of the Southeastern United States," Tall Timbers Research Station.

1977 COSTA RICA. Visiting faculty, Organization for Tropical Studies, month of July.

1977 ARIZONA & CALIFORNIA. Fire ecology fact-finding study as guest of U. S. Forest Service and National Park Service; Mogollon Rim Ponderosa Pine forest; Cleveland and Angeles National Forests; Sequoia and Kings Canyon National Parks; month of November.

1978 GEORGIA. Invited participant, Georgia Rare and Endangered Wildlife Symposium, Univ. of Georgia, Athens.

1978 CHICAGO. Attended three-day course, National Fund Raising Conference, University of Chicago Center for Continuing Education.

1978 WAKULLA SPRINGS, FLORIDA. Studied ecology of the limpkin to assess reasons for its local decline, with graduate student Dana Bryan.

1979 STATE OF FLORIDA. Member, Endangered Species Advisory Committee.

1979-89 ST. MARKS NATIONAL WILDLIFE REFUGE. Co-principal investigator, longleaf pine experimental fire study, NSF sponsored long-term research project, Florida.

1979 Consultant, National Geographic Society, in preparation of the book, "A Day in the Woods."

1979 Consultant, British Broadcasting Corporation, in preparation of "Northern Forests" segment of Planet Earth series.

1980 ARKANSAS. Organized and hosted Tall Timbers Biological Control Conference at Winrock, Arkansas.

1980 Invited participant, Symposium on Prescribed Fire and Wildlife in Southern Forests. Belle Baruch Forest Science Institute, Clemson Univ., S. C.

1980 FLORIDA. Prepared stewardship plan for Alligator Point Nature Conservancy Preserve, with R. L. Crawford.

1981 NORTH AMERICA. Consultant on amphibians and reptiles chapter, Reader's Digest book, "North American Wildlife."

1982 Organized and produced 8th Tall Timbers Conference on Ecological Animal Control by Habitat Management, 15 papers published as the Vol. 7, No. 1 issue of Environmental Management.

1982 LOUISIANA. Studied feasibility of utilizing hillside seepage bogs for tertiary waste water treatment, U. S. Army, Fort Polk, Louisiana.

1982 Invited participant in the Conference on Woodland Grazing for Resource Leaders, Auburn University, Alabama.

1982 OKEFENOKEE SWAMP. Member, External Review Committee for NSF Long Term Ecological Study, University of Georgia.

1983 SOUTHEASTERN U.S. Consultant to The Nature Conservancy in preparation of and cameo appearance in the Oscar-nominated documentary film "Garden of Eden."

1983 FLORIDA. Consultant, Katherine Ordway Preserve Land Use Meeting, University of Florida, Gainesville.

1983 FLORIDA. Wrote, co-produced, and appeared in three 30-minute environmental TV programs on north Florida for PBS, entitled, "Florida Naturally."

1983 ALABAMA. Committee Member, Alabama Non-Game Wildlife Conference, Auburn, Alabama.

1983 FLORIDA. Chairman, Habitat Management Committee, Florida Non-Game Wildlife Workshop, Tallahassee.

1983 AUSTRALIA. Invited consultant to the Victoria Forestry Commission in connection with conference on fire ecology of Australian temperate forests.

1983 AUSTRALIA. Guest lecturer on fire ecology of temperate North America at University of Melbourne and Monash University, 2-15 Sept.

1983 AUSTRALIA. Trekked by motorcycle 1500 miles over the undeveloped Cape York Peninsula

during preliminary study of the distribution of animals and plants with respect to the peninsula effect; also made preliminary investigations into convergent evolution of acid wetland plants, Australia vs. North America; 16-30 Sept.

1984 NORTH FLORIDA. Surveyed for old-growth beech-magnolia forests by air and on foot, and provided ecological profiles in reports to Florida Natural Areas Inventory of Department of Natural Resources.

1984 URUGUAY. Field work on the ecology and distribution of aeglid crabs with Joel Martin; April. See article, "Almost a crab," in *Terra* 27(5-6):17-19.

1984 SOUTHEASTERN U. S. Founded Coastal Plains Institute, nonprofit environmental research and education organization. July.

1984 JAMAICA. Originated, organized, and conducted a seven-day natural history tour of Jamaica for 15 people. July.

1984 INDIANA TO FLORIDA. Re-walked John Muir's "1,000-mile walk to the Gulf" with objective of writing a book to compare 1867 ecology of southeastern U.S. with that in 1984. 52 days, 2 Sept.-24 Oct.

1984 SOUTHEAST U. S. Keynote speaker, 5th Annual Gopher Tortoise Council Meeting, Gainesville, Florida.

1985 FLORIDA. St. Marks National Wildlife Refuge: critique of management plan and practices.

1985 FLORIDA. Subcontracted with U. S. Fish and Wildlife Service through Florida Department of Environmental Regulation to write 1) "An ecological characterization of Panhandle Florida" and 2) "An ecological characterization of Big Bend Florida."

1985 FLORIDA. Consultant to Florida Department of Natural Resources to determine feasibility of public land surveyors to establish ordinary high water line boundaries between private and sovereign lands.

1985 FLORIDA. Chief staff scientist to special ad hoc committee on ordinary high water line in nontidal sovereign lands, appointed by Governor and cabinet.

1985 FLORIDA. Examined lakes Jackson, Kissimmee, Hatcheniha, Damon, & Ochlockonee and Apalachicola rivers for OHWL

1985 FLORIDA. National Wildlife Federation contract: Review of U. S. Forest Service Proposed Plan for Management of National Forests in Florida.

1985 SOUTHEAST U.S. Invited panelist to determine management strategies for the gopher tortoise, Gopher Tortoise Council 6th annual meeting, Dixie, Alabama.

1985 MEXICO. Examined high altitude pine-grassland communities on slopes of Volcan Popocatepetl; December.

1986 MEXICO. Visited northernmost neotropical lowland rainforest at Estacion Biologia de Universidad Nacional, San Andres Tuxtla, Veracruz; January.

1986 NORTH AMERICA. Invited author of seven reptile accounts in 14th revised edition of World Book Encyclopedia.

1986 TEXAS. Visited Chihuahuan Desert in Big Bend Nat'l Park to reconnoiter for ecological research; March.

1986-87 FLORIDA. Examined Peace River and tributaries for navigability, sovereign lands, and the OHWL.

1987 COSTA RICA. Visited Monteverde cloud forest, Santa Rosa dry forest, Marengo Biological Station rain forest developing an itinerary for a tropical ecology class; January.

1987 SOUTHEAST U.S. Fieldwork in lower Chattahoochee River ravines on salamander species new to science; June.

1987 COSTA RICA. Conducted a 16-day field trip in tropical biology for 18 people, plus 1 additional week for field work; July.

1987 SOUTHEAST U.S. Contract with Wilderness Society on diversity impoverishment in national forests; August.

1987 NORTH FLORIDA. Wakulla Springs, investigations on blind cave animals; November-December.

1987 VENEZUELA. SCUBA dive in Caribbean along north coast at Estacion de Investigaciones

Marinas in Mochima; 20-24 Dec.

1987-88 VENEZUELA. Investigate biotic diversity, fire ecology, pitcher plant bogs of La Gran Sabana; ascend Mt. Roraima; 29 Dec.-8 Jan.

1988 BRAZIL. Visit World Wildlife Fund Minimum Critical Size of Ecosystems Project, INPA, Manaus; terra firme primary rainforest; Rio Negro varzea forests; 9-26 Jan.

1988 AMAZON RIVER. Travel by boat 1500 miles up the Amazon River from Manaus, Brazil to confluence of Ucayali & Marañon rivers in Peru; 26 Jan.-7 Feb.

1988 PERU. Investigate varzea and terra firme primary forests, vicinity of Iquitos; 8-13 Feb.

1988 CENTRAL FLORIDA. Review margin of Lake Kissimmee and Lake Hatcheniha for ordinary high water line; 23 Feb.

1988 LITTLE ST SIMONS ISLAND, GEORGIA. Consulted with ownership of island on status of *Crotalus adamanteus* populations, 22-24 April.

1988 PERU. Investigate varzea and terra firme primary forests in vicinity of Iquitos; 2-9, 17-23 July.

1988 PERU. Investigate Andean dry habitat, 8,000-13,000 ft altitude along Urubamba River and vicinity of Cuzco; cloud forest in vicinity of Machu Picchu; 10-16, 24-30 July.

1988 PERU. Explore floodplain and terra firme primary forests up Rio Tambopata from Puerto Maldonado; 31 July-6 Aug.

1988 VENEZUELA. Backpacking expedition to the summit of Auyantepui; 16 Dec.-2 Jan.

1989 VENEZUELA. Expedition up the Orinoco River, down the Rio Casiquiare to San Carlos de Rio Negro; visit Estacion Biologia IVIC; 3-24 Jan.

1989 GALAPAGOS ISLANDS. Visit islands Santa Cruz, Baltra, Santa Fe, Rabida, Isabella (Volcan Alcedo), Santiago; 27 Jan.-6 Feb.

1989 n. FLORIDA & s. GEORGIA. Fire research in seepage bogs, Apalachicola National Forest, and longleaf pine forests; May & June.

1989 GALAPAGOS ISLANDS. Organized and led two natural history tours of 29 sites on 14 different islands; 25 June-24 July.

1989 ECUADOR. Investigate Ecuadorian Amazon, Rio Napo; 28 July-12 August.

1989 APALACHICOLA NATIONAL FOREST. Founded nonprofit organization, Friends of the Apalachicola National Forest. August.

1989 WASHINGTON, D. C. Testimony before U. S. House Agriculture Committee; 14 November.

1989 s. CALIFORNIA, s. ARIZONA, Baja California in MEXICO. Cleveland National Forest, Organ Pipe National Monument, Sonoran Desert. November.

1990 PANHANDLE FLORIDA. Field research on seepage bogs; April-August.

1990 GALAPAGOS ISLANDS. Organized and led 17-day natural history tour, 24 June-10 July.

1990 LITTLE ST. SIMONS ISLAND, GEORGIA. Field research on insular population of eastern diamondback rattlesnake; 15-19 August.

1990 VENEZUELA. Guayana Shield investigating fire ecology of La Gran Sabana and wetlands ecology; Angel Falls; 25 August-7 September.

1991 VENEZUELA. Organized and led 12-day natural history tour to Mt. Roraima, Estado Bolivar, 12-24 January.

1991 VENEZUELA. Climbed north slope of Cerro Duida, Territorio Federal Amazonas, from base camp at Y'ekuana Indian village, Culebra, 25 January-4 February.

1991 VENEZUELA. Kayaked the upper Rio Ventuari, tributary to Rio Orinoco, Territorio Federal Amazonas, from el Salto Oso downriver to San Juan de Manapiare, 5-14 February.

1991 HONDURAS. Consultant for owners of Isla Barbaretta: explored terrestrial, freshwater and marine environments of the Bay Islands off the north coast of Honduras, 20-27 May.

1991 FLORIDA. Member of panel on silvicultural impacts on longleaf pine groundcover community, Tall Timbers Research Station Fire Ecology Conference, 30 May-2 June.

1991 GALAGOS ISLANDS. Organized and led a 15-day natural history tour of major islands and visitor sites, 23 June-7 July. Research at Darwin Station, 8-13 July.

1991 AUSTRALIA. Organized and led 23-day natural history tour: national parks on the Cape York

Peninsula in Queensland; Great Barrier Reef (3 days diving); national parks in Northern Territories (Kakadu, Katherine Gorge, Kings Canyon, Uluru). 27 Aug-17 Sept.

1991 NORTH FLORIDA. Founded *North Florida Journal*; Vol. 1, No. 1 published October.

1991 BAJA CALIFORNIA. Reconnoitered peninsula and mid-Baja California Sonoran Desert from Tijuana to Lareto, 10-16 October.

1991 ALABAMA. Consulted for and participated in documentary film, *Clearcutting, a Crime Against Nature*, 27-29 October.

1991 VENEZUELA. Organized and led an expedition up Orinoco River to La Esmeralda and 22 days on Cerro Duida tepui in Territorio Federal Amazonas, 4 November-18 December.

1992 VENEZUELA. Explored Caño Negro and north face of Cerro Duida tepui, Territorio Federal Amazonas, 15 January-3 February.

1992 VENEZUELA. First ascent of Cerro Cuao tepui, 8-16 February.

1992 VENEZUELA. Second ascent and scientific exploration of Auyantepui, Estado Bolivar, 18 February-2 March.

1992 NORTH FLORIDA. St. Marks National Wildlife Refuge. Three-year consulting subcontract on Global Warming Grant to assist Dr. William Platt in the Assessment of impacts of hurricanes and fires on the vegetation dynamics of the Refuge. March-Dec.

1992 NORTH FLORIDA. Research on the effects of forestry practices on the flatwoods salamander, March-April, September-October; research on population biology of Striped Newt, March-June; research on defensive behavior of pit vipers, May.

1992 BELIZE. Field research on the ecology of the northern escarpment of Mountain Pine Ridge; habitats, plant and animal inventory, and environmental evaluation of pine plateau and escarpment slope and valley broadleaf forests. 26 July-1 September.

1992 NORTHERN IRELAND. Attended conference on Scots-Irish history and examined urban and rural ecology in and south of Belfast: counties Down, Antrim. 2-9 September.

1992 VENEZUELA. Estado Bolivar. Photography expedition for table-top book, *ISLANDS IN THE MISTS*, with co-author, James Valentine. 28 November-22 December.

1992 VENEZUELA. First person to measure height of El Salto Kukenan, reputedly the World's third highest waterfall. 15 December.

1993 VENEZUELA. Estado Amazonas. 30-day, 225-mile walk through lowland rainforest for "Across Amazonas" chapter in *LOST WORLDS* book. 13 February-20 March.

1993 VENEZUELA. Estado Bolivar. One week field work on La Gran Sabana, 21-29 March.

1993 VENEZUELA. Parque Nacional Henri Pittier & Estacion Biologica de Rancho Grande. Visit rainforest and Venezuelan research colleagues at Universidad Central de Venezuela, Maracay. 30 March-4 April.

1993 NORTH FLORIDA. Investigate vegetation gradients and soils on the St. Marks National Wildlife Refuge for the purpose of developing a soils-moisture-slope-fire model of present and potential natural vegetation. May-July.

1993 CALIFORNIA. Investigate redwood forests along Big Sur Coast; Sequoia Nat. Park; San Andreas Fault along north side San Bernardino Mountains. 31 July-9 August.

1993 GEORGIA SEA ISLAND COAST. Little St. Simons Id., radiotelemetry research habitat utilization by Eastern Diamondback Rattlesnake. 10-15, 24-27 August, 3-6 September.

1993 FLORIDA PANHANDLE. Survey special vertebrates of Tyndall Air Force Base and author environmental report for Florida Natural Areas Inventory. 15 August-31 December.

1994 FLORIDA PANHANDLE. Survey Leon and Wakulla counties for occurrence of the Striped Newt. For U.S. Forest Service and U.S. Fish and Wildlife Service. March-Oct.

1994 ST. MARKS NATIONAL WILDLIFE REFUGE. Developed graphic models for the interaction of fire, water table, and vegetation, with William J. Platt. April-July.

1994 FLORIDA PANHANDLE. Survey of amphibians and reptiles of Torreya State Park for State of Florida Division of Recreation and Park Lands. 1 May-31 August.

1994 APALACHICOLA-FLINT-CHATTAHOOCHEE river system. Survey bald eagle nests for records

of food habits and predation on turtles. 1 May-31 July.

1994 NORTH CAROLINA. On Blue Ridge Parkway in southern Appalachian Mountains. Writing at Wildacres Retreat, 21 May-3 June.

1994 SOUTH FLORIDA BIG CYPRESS region. Instructed guides and wrote manual for Billie Swamp Safari ecotourism project of the Seminole Indian Nation. 26-29 June.

1994 NORTH CAROLINA. Writing at Wildacres Retreat on Blue Ridge Parkway in southern Appalachian Mountains. 26 September-6 October.

1994 FLORIDA. Opening speaker at Stormwater Runoff Symposium, Florida State University. 12-13 December.

1995 FL-GA-AL. Field work for a revision of the evolutionary relationships among the species of the genus *Pseudotriton*. 4-6, 15-16 January.

1995 SOUTHEASTERN U. S. Participant in Wildlands Project nominating biodiversity core areas and connecting corridors at Wakulla Springs State Park. 20-22 January.

1995 FLORIDA. Restoration of bedded slash pine to longleaf pine forest using lightning season control burning. Most of June.

1995 NORTH CAROLINA. Writing at Wildacres Retreat on Blue Ridge Parkway in southern Appalachian Mountains. 19 May-4 June; 24 September-25 October.

1995 GEORGIA. On location Little St. Simons Island filming my research with the eastern diamondback rattlesnake for the National Geographic Society's Explorer Television program. 26 August-23 September.

1996 FLORIDA. Field research on the restoration by means of prescribed burning of 120-acre white-topped pitcher plant savanna, Escambia Co. January-August.

1996 BELIZE and GUATEMALA. Organized and led a 16-day natural history tour to barrier islands and reefs (4 days SCUBA diving), lowland tropical rainforests, mangrove swamps, pine forests of Mountain Pine Ridge, and Mayan ruins of Caracol, Tikal, Xunantunich. 17 August-1 September.

1996 GEORGIA. Little St Simons Island field work with the eastern diamondback rattlesnake: measuring density, longevity, growth, and other population dynamics. 8-14 September.

1996 MISSISSIPPI. Army Corps of Engineers wetlands delineation on Citronelle-derived soils north of Picayune. 3-5, 19-25 September and 6-11 October.

1996 BELIZE. Nine days field work on the ecology of Mountain Pine Ridge, Cayo District. 15-23 December.

1997 SW GEORGIA. Member of workshop to develop a hydrogeomorphological functional assessment procedure for wet flats (=seepage savannas), Joseph W. Jones Ecological Research Center, Ichauway Plantation, Baker County. 27-31 January.

1997 FLORIDA. Field research on plant response to prescribed fire on Crown Pointe Preserve, Escambia County. February-March; mid-June; late July.

1997 GALAPAGOS ISLANDS. Organized and led a 15-day natural history tour of 14 major islands and 28 field stops. 28 June-12 July.

1997 ARKANSAS. Field work in the Ouachita Mountains of western Arkansas examining fire ecology of shortleaf pine/bluestem and highland hardwood forests. 23-30 July.

1997 GEORGIA. Little St Simons Island field research with the eastern diamondback rattlesnake: mark-recapture follow up. 7-10 August.

1997 SE VIRGINIA. Investigating vegetation from Richmond to Jamestown, and Great Dismal Swamp. 14-21 August.

1997 FLORIDA PANHANDLE. Eglin Air Force Base field research surveying ravines, steepheads, and stream courses for salamanders. 1 October-19 December.

1997 BELIZE. Field reconnaissance to locate sites for rainforest ecology courses: Lamanai, Chan Chich, Rio Bravo Conservation Area, Mountain Pine Ridge, Macal River. 20-31 December.

1998 FLORIDA PANHANDLE. Eglin Air Force Base field research surveying ravines, steepheads, and stream courses for salamanders. 1 January-30 September.

1998 SOUTHEASTERN U. S. based in the Florida Panhandle. Assistant producer filming documentary

on the life history and ecology of eastern diamondback rattlesnake under contract with National Geographic Television. 1 June-30 November.

1998 GEORGIA. Sapelo Island investigating habitat ecology and comparing with similar habitats on Little St. Simons Island. 4-17 September.

1998 SOUTH AFRICA. Investigating fynbos vegetation, vicinity of Cape of Good Hope and along the south and west coast. 9-17 December.

1998 NAMIBIA. Investigating ecosystems of the Namib Desert, Etosha National Park, and Caprivi Strip. 18-25 December.

1998 BOTSWANA AND ZIMBABWE. Photographing Victoria Falls and investigating ecosystems of Chobe and Moremi National Parks. 26-31 December.

1999 SOUTH AFRICA. Investigating low bushveld in Kruger National Park, 1-5 January.

1999 SOUTHEASTERN U. S., based in the Florida Panhandle and south Georgia. Associate producer and on-screen personality of “King Rattler”, an hour-long documentary film for National Geographic Explorer Television about the life history and ecology of the eastern diamondback rattlesnake. 25 January-30 June.

1999 SOUTHERN AFRICA, South Africa, Namibia, Botswana, Zimbabwe. Organized and led 15 people on a natural history eco-tour of principal game parks and Namib Desert. 12 October-1 November.

1999 MADAGASCAR. Investigated rainforests, spiny forest habitats, and endemic biota in Masoala and Perinet national parks, and Berenty Reserve. 2-13 November.

2000 AUSTRALIA. Filming on location in Ballarat, Naracoorte, Brisbane, Cairns, Laura, Sydney, and the Kimberley. Associate producer and on-screen personality for “Quest for the Rainbow Serpent,” an hour-long documentary film for National Geographic Explorer Television about the biology of Australian snakes. 27 April-29 June.

2000 KENTUCKY, S. ILLINOIS, ARKANSAS. Field work on the systematics of the genus *Desmognathus*. 29 July–5 August.

2000 MAINE, NEW HAMPSHIRE. Field work on the systematics of the genus *Desmognathus*, in the White Mountains and the Maine coast. 31 August-5 September.

2000 AUSTRALIA. Filming on location in SW Queensland’s Channel country, Fogg Dam, Kakadu National Park, and Arnhem Land. Associate producer and on-screen personality for “Quest for the Rainbow Serpent,” an hour-long documentary film for National Geographic Explorer Television about the biology of Australian snakes. 26 September-30 October.

2000 GEORGIA. Blackbeard Island, appearing in a documentary film about Georgia coastal islands for Georgia Public Television. 31 October-1 November.

2001 AUSTRALIA. On location filming at Bat Cleft & Mt. Etna near Rockhampton, Queensland, for National Geographic Explorer, 9-26 January.

2001 AUSTRALIA. On location filming tiger snakes and muttonbirds on Chappell Island, Bass Straits, Tasmania, for National Geographic Explorer, 27 January-6 February.

2001 AUSTRALIA. Herpetological field research in South Australia from Mt. Gambier to Coober Pedy for book project, 9-23 February.

2001 AUSTRALIA. Herpetological field research in Western Australia from Esperance to Sandfire for book project, 24 February – 16 March.

2001 AUSTRALIA. Herpetological field research in Darwin Area and Kakadu National Park, Northern Territory, for book project, 17-24 March.

2001 AUSTRALIA. Organized and led a 3-week natural history tour to: Great Barrier Reef, NE Queensland rainforests, Arnhem Land, Kakadu Nat. Park, and the Red Centre, 11-31 July.

2001 AUSTRALIA. Ecological field research in the Red Centre, Arnhem Land, Barkly Tablelands, Gulf Savannah, Cape York Peninsula, Iron Range National Park, 1 Aug. - 15 Sept.

2001-2002 FLORIDA panhandle. Fieldwork on plethodontid salamanders: mtDNA, isozymes, two new species, and the declining Southern Dusky Salamander, Nov., 2001-June 2002.

2002 NORTH CAROLINA, GEORGIA. Fieldwork to obtain photographs of the dusky salamanders,

genus *Desmognathus*, 15-19 April.

2002 GEORGIA, FLORIDA. On location on Blackbeard Island, Sapelo Island, Alligator Point, Wakulla Springs, Aucilla River, and Apalachicola National Forest filming documentary for National Geographic Channel, 17-28 May.

2002 ALABAMA. Field work with the federally threatened Alabama Red Hills Salamander, *Phaeognathus hubrichti*. Feb-Sept.

2003 FLORIDA. Wakulla Co. Field work concerning a development that impacted small, isolated wetlands and destroyed the natural flushing into Dickerson Bay. Feb-Mar.

2003 GUYANA. National Geographic Explorer Expedition to the northern "Prow" of Mt. Roraima, on foot through 60 miles of virgin rainforest, cloud forest, and exploration of the summits of Mt. Roraima and Mt. Weyassipu. First botanical collections made on the latter. 14 Mar – 12 Apr.

2003 GUYANA. Smithsonian Institution, National Geographic Society, and Wildlife Conservation International funded one-man expedition to the Wokomung Massif to study amphibian diversity along an altitudinal transect up unexplored tepui. 7 July – 6 August.

2004 YUCATAN PENINSULA, MEXICO. Expedition to investigate the biology of the Neotropical Rattlesnake, *Crotalus simus tzabcan*, and its relationships with Mayan mythology. 19 Oct. – 2 Nov.

2005 SOUTHEASTERN U. S. Expeditions from North Carolina to Louisiana to clarify systematic relationships of Desmognathine salamanders. Jan - Dec.

2005 AUSTRALIA. Field work in search of Aboriginal rainbow serpent rock art, and ecology of fire-dominated ecosystems from Queensland, across the Gulf Savannah, through the Northern Territory, to the Kimberley region in Western Australia, and then down the Tanami Track to Alice Springs and Uluru. 31 July – 20 August.

2006 VENEZUELA. Photography expedition to the eastern tepuis, including a 16-day stay on the summits of Acopan and Chimanta Tepui. 14 January – 4 February.

2006 GUYANA. Photography expedition to Maringma Tepui, six days on summit. 5 – 14 February.

2006 GUYANA. Reconnaissance of the vicinity of Imbaimadai on the Mazaruni River, Mt. Roraima, Mt. Weiassipu, Mt. Maringma, and the Aawayo villages of Pipillipi and Wayalayeng for a documentary film. 2 – 11 April.

2006 GUYANA. North Face Expedition to the Prow of Mt. Roraima, participating in a documentary film for Rush HD Television. Field work in virgin rain- and cloud-forests collecting amphibians and reptiles along elevational gradients. 30 October – 30 November.

2006 GUYANA. Fieldwork collecting amphibians and reptiles along an elevational gradient up Mt. Kopinang, western part of the Wokomung Massif. 1 – 16 December.

2007 FLORIDA Panhandle. Fieldwork filming the Econfina Creek watershed for the Northwest Florida Water Management District. 9 - 13 April.

2007 FLORIDA Panhandle. Fieldwork filming the Choctawhatchee River watershed for the Northwest Florida Water Management District for an hour-long documentary hosted by D. B. Means. 16-20 April.

2007 VENEZUELA. Six-week photography expedition to tepuis in Estado Amazonas (Neblina, Duida, Paru, etc.) and Estado Bolivar (Ilu, Los Testigos, Auyantepui, Kukenan, etc.). 29 April – 9 June.

2007 GUYANA. Three-week expedition to Wokomung Massif for frogs Means discovered and named to determine which kinds of skin toxins the frogs have and whether they sequester toxins from their invertebrate foods. 5 – 24 July.

2007 ALASKA and CANADA. Six-week, round-trip drive up Alaska Highway from Tallahassee, Florida, to Prudhoe Bay and other points in Alaska, Yukon Territory, and British Columbia; return via Cassiar Highway in British Columbia. Revisited sites surveyed in 1966-1968 and traveled new territory.

10th passage over Alaska (=Alcan) Highway during Means's lifetime.

2008 VENEZUELA. Filmed *Oreophrynella nigra* on Kukenan tepui for BBC TV's series, Life, Extraordinary Animals, Extreme Behavior. 23 March – 3 April.

2008 GUYANA. Filmed *Oreophrynella macconnelli* at Double-Drop Falls east of Mt. Roraima (Paikwa

River drainage) for BBC TV's series, Life, Extraordinary Animals, Extreme Behavior, 4 – 11 April.

2009 ALASKA. Explored the Seward Peninsula out of Nome, 15-22 July.

2010 EASTERN US. Drove over 10,000 miles throughout LA, MS, AL, FL, GA, SC, NC, VA, DE, MD, OH, IN, MI, KY, and TN collecting winter-breeding chorus frogs of the genus *Pseudacris* for DNA research by Dr. Emily Lemmon. 16 January - 16 April.

2010 VENEZUELA. 32-day expedition to the summits of 3 tepuis (Yuruani, Tramen, Uei) with colleagues Philippe Kok of the Royal Belgian Institute of Natural Sciences and César Barrio-Amorós, Fundación Andígena, Venezuela, to advance our field researches on the biodiversity of the Guiana Shield, 12 November - 13 December.

2011 COASTAL PLAIN TEXAS. Fieldwork in Bastrop County and the Lost Pines Region for the Houston Toad, *Anaxyrus houstonensis*, 26 January - 2 February.

2011 SOUTHEASTERN U. S. Drove in excess of 5,000 miles in AL, FL, GA, MS, TN, AR collecting winter-breeding chorus frogs of the genus *Pseudacris* for DNA research by Dr. Emily Lemmon. 16-21 February, 1-22 March.

2011 FLORIDA PANHANDLE. 25 field days examining wetlands in Washington and Bay counties for consumptive water use permit legal case. Time in the field involved days in February - September.

2011 FLORIDA PANHANDLE. Fieldwork in steephead ravines from Santa Rosa to Leon and Wakulla counties measuring physical parameters such as pH, specific conductivity, dissolved oxygen, temperature, slope angle, thalweg, etc.

2012 GUYANA & VENEZUELA. 48-day National Geographic Magazine's Explorations Committee-funded expedition to Wokomung Massif and Weissipu Tepui in Guyana and Ilu Tepui in Venezuela, 10 June - 27 July.

2012 ALASKA. Wood River/Tikchik lakes canoeing expedition, 16 days and nights from Nishlik Lake, down Wood River to Tikchik Lake, then Kulik Lake to Lake Aleknagik. 14 August- 3 September.

2013 GEORGIA to VIRGINIA. Fieldwork obtaining DNA samples of *Pseudacris* species that breed in midwinter/early spring. 15 January - 31 March.

2013 VENEZUELA. 21-day field exploration of Chimanta Tepui and Auyantepui for photographs for book, "Islands in the Sky, Lost Worlds of El Dorado." 12 November-2 December.

2014 GUYANA. 21-day expedition to film two episodes of Discovery Channel's Cave Men adventure/exploration program at Utchi and Kamerang Waterfalls. Means was the wildlife consultant. 1 - 21 April.

2014 VENEZUELA. 31-day expedition to obtain photographs to finish book on tepuis, "Islands in the Sky." Investigate Guacamaya Cave and waterfalls on Auyantepui, and photograph Cueva Fantasma at the base of Aparaman Tepui, 18 June – 18 July.

2016 EASTERN GULF COASTAL PLAIN OF THE SE U.S. Fieldwork on new species of salamanders in the genera *Desmognathus* and *Eurycea*, June-September.

2017 NOME and SEWARD PENINSULA OF ALASKA. Fieldwork in vicinity of Nome during late winter, deep snow, -10°F temperatures, Iditarod Trail. 7-17 March.

2017 EASTERN GULF COASTAL PLAIN OF THE SE U.S. Fieldwork on salamanders of the genus *Desmognathus*, January-October.

2018 FLORIDA. Fieldwork in the Florida panhandle for determination of possible pathogen responsible for the decline of the Southern Dusky Salamander. January-September.

2018 NORTH CAROLINA. Book writing at Wildacres Writer's Retreat on the Blue Ridge Parkway near Little Switzerland, North Carolina. 8-24 July.

2018 KENTUCKY, NORTH CAROLINA, TENNESSEE. Fieldwork in the Black Mountains of eastern Kentucky and the Great Smoky Mountains of North Carolina and Tennessee. 6-14 August.

2019 ALASKA. Rode the Alaska Marine Ferry from Bellingham, Washington to Whittier, Alaska through the Inside Passage and spent 7 days in the Wood River/TikChik Lakes State Park based out of Dillingham at the head of Bristol Bay, 6-24 August 2019.

2019 State of FLORIDA revisiting and recollecting ~150 historical localities for the Southern Dusky Salamander, with graduate student, Chace R. Holzheuser. January-December.

2020 Covid, stayed home!

2021 GUYANA. 38-day National Geographic Expedition to the summit of Weiasipu Tepui for television documentary to be called, "The Last Tepui," celebrating my last expedition to discover the biodiversity of the tepuis of the Guiana Shield. 4 February – 14 March.

LEGAL TESTIMONY

Expert witness for the plaintiff, Jerry Gerde, Panama City lawyer, in litigation over development on Alligator Harbor. Testified to the changes that had taken place to Alligator Peninsula, Wakulla Co., FL, regarding filling of the navigation channel and accretion to the tip of the spit. 1982.

Expert witness for the plaintiff, the Lake Iamonia Association, before a Special Master regarding the ecology of Lake Iamonia, Leon Co., FL, and how the construction of a bridge from the mainland to an island would affect the movement of migratory waterfowl and other lacustrine animals. 1983.

Expert witness for the United States Government in trial in Federal District Court, Waycross, Georgia. Case involved attempted murder by sending a dangerous venomous snake (eastern diamondback rattlesnake) through the mail. 1983.

Expert witness for Coastal Petroleum, Inc., in Case #TCA 77-0946, United States District Court, Northern District of Florida, Tallahassee Division. Deposition taken by the defendant, International Mineral and Chemical Corporation. I was deposed for purposes of discovery regarding my expertise with water-land boundary determinations, the ordinary high water line of nontidal sovereign land. November 24, 1986.

Expert witness before the United States House of Representatives. Testimony before the Subcommittee on Forests, Family Farms, and Energy of the Committee on Agriculture, Washington, D. C., involving how standard forestry practices were harmful to the conservation of biodiversity in Southeastern U. S. Coastal Plain national forests. November 14, 1989. Testimony published *in* National Forest Management; Serial #101-42:195-225. Washington, D. C.

Expert witness for the plaintiff in Charles Blount v. Wal-Mart Stores, Inc. in Leon County Circuit Court, Tallahassee, FL. Case involved a customer who was bitten by a pigmy rattlesnake in a Tallahassee Wal-Mart garden shop. 11 May 1998.

Expert witness for the Petitioners in Victor W. Lambou, Tony Cartlidge, Richard Johnson and Sierra Club, Inc. vs. Department of Environmental Protection and Panfla Development, LP, State of Florida Division of Administrative Hearings, Case No. 02-4601. Case involved testimony regarding the restoration of two isolated wetlands following dredge-and-fill violations. 17 April 2003.

Subpoenaed as an expert witness in United States of America vs. Catherine J. Mackey, et al. Case involved Off Road Vehicular damage to wetlands on the Apalachicola National Forest. 12 December 2005.

Subpoenaed as an expert witness in United States of America vs. Stitch R. Davis, et al. Case involved Off Road Vehicular damage to wetlands on the Apalachicola National Forest. 12 December 2005.

Expert witness for The Northern Trust Company as the sole Trustee of the James L. Knight Charitable Term Trust, intervenor, vs. Bay County and the Northwest Florida Water Management District, Cases 10-2983, 10-2984, and 10-3313, State of Florida Division of Administrative Hearings. A consumptive-

use case against the Northwest Florida Water Management District for permitting a well field in Bay Co., FL. My testimony addressed impacts to wetlands of the drawdown of the Floridan and surficial aquifers. Testimony given in front of administrative law judge David Maloney, 29-30 September 2011.

REFERENCES

Dr. Daniel Simberloff
Department of Ecology and Evolutionary Biology
University of Tennessee
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Dr. Edward O. Wilson
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Dr. Lawrence G. Abele
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Dr. William J. Platt
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Louisiana State University
Baton Rouge, Louisiana 70803

Dr. Eleanor N. Whitney
Nutrition and Health Associates
42 Meadow Lakes 07
East Windsor, NJ 08520

PUBLICITY

Print media

Mena Evening Star, Mena, AR. 16 July 1975. "New discoveries mark ecologist's study here. On Rich Mountain." Full-page feature article with four b/w photographs, p. 4A. Text=20 column inches.

Tallahassee Democrat, Tallahassee, FL. 19 September 1976. "Warehouse cat seen as answer to snake woes." Article by Brian Richardson in Sunday Section C, p. 4. Text=10 column inches.

Thomasville Times-Enterprise, Thomasville, GA. 28 September 1976. "Researcher 'spaced out' after bite by rattler." Feature article with two b/w photographs by Dick Rieber. Text=36 column inches.

Tallahassee Democrat, Tallahassee, FL. 30 September 1976. "Good luck runs out for snake expert." Article by Brian Richardson in Local News Section four, p. 1. Text=8 column inches.

Thomasville Courier, Thomasville, GA. 17 February 1977. "Tall Timbers Research Center." Article by Patti Johnson with one b/w photograph in Section A, p. 5. Text=32 column inches.

Thomasville Times-Enterprise, Thomasville, GA. 18 February 1977. "Rattlers to send out new sound." Feature article by Dick Rieber with two color photographs, p. 12. Text=8 column inches.

The Atlanta Constitution, Atlanta, GA. 9 March 1977. "He 'bugs' rattlesnakes." Article with one b/w photograph by Albert Riley, p. 7B. Text=11 column inches.

Thomasville Times-Enterprise, Thomasville, GA. 20 May 1977. "Dr. Means tells Rotary about rattlesnake study." Article by Glenda Wall, p. 14. Text=20 column inches.

The Gainesville Sun, Gainesville, FL. 10 July 1977. "These snakes need a public relations campaign." Three-page feature article by Rod Gillmore and Bob Miltenberg, p. 3-5. Text=44 column inches.

Outdoor Life magazine. September 1977. "Snakebite! What to know--what to do." Article by Charles Elliott, p. 84.

Georgia Sportsman magazine. September 1977. "Poisonous snakes." Article by Gerald R. Hunter, 7 pages.

Thomasville Times-Enterprise, Thomasville, GA. 2 November 1977. "Tiny tree frog on endangered species list." Article with one color photograph by D. B. Means by Dick Rieber, p. 19. Text=9 column inches.

Thomasville Times-Enterprise, Thomasville, GA. 11 February 1978. "Tall Timbers wants to carry on Stoddard's dream." Article with one b/w photograph of D. B. Means by Wendy Freedman, p. 5. Text=24 column inches.

American Rifleman magazine. May 1978. "How everybody won the snakebite war." Article by Gerald R. Hunter, pp. 16-20.

The New York Times Magazine, N. Y. 16 July 1978. "Man and the snail darter." Letters to the Editor section, p. 71. Text=7 column inches.

Florida Flambeau, Florida State University, Tallahassee, FL. 20 July 1978. "Researcher tracks area 'cryptic creatures.'" Article by Beth Rudowske with one b/w photograph. Text=21 column inches.

The Florida Times-Union, Jacksonville, FL. 23 July 1978. "Diamondback is herpetologist's favorite subject." Article by Beth Rudowske with one b/w photograph in Sunday Section B, p. 3. Text=24 column inches. Article picked up by several other newspapers, including *The Dothan Eagle* for 26 July 1978.

Tallahassee Democrat, Tallahassee, FL. 10 September 1978. "Rattlers fill office, life of Tall Timbers director." Article by James Dickerson with 2 b/w photographs in Local News Section C, p. 1. Text=8 column inches.

Tallahassee Democrat, Tallahassee, FL. 10 September 1978. "In search of (slither, hiss) rattlers." Article by James Dickerson with 1 b/w photographs in Local News Section C, p. 3. Text=4 column inches.

Current Science magazine. October 1978. "Snakes secrets shared." Article with one photograph. Volume 63(3):8.

United Press International press release. November 1978. "He tracks rattlers with a CB radio." Article with three b/w photographs by Craig Allsopp. Printed in newspapers all over the country, including *Pacific Stars and Stripes*.

Tall Timbers Report. December 1978. "Diamondback study is now 3 years old." Article with two b/w photographs, Vol. 1, No. 4, p. 1.

Tall Timbers Report. March 1979. "The biggest mystery: How a rattlesnake finds what it wants." Article with one b/w photographs, Vol. 2, No. 1, p. 5.

Florida Wildlife magazine. November-December, 1979. "A Tall Timbers Research Station scientist studies the rattlesnake." Article with four b/w photographs by Frank Stephenson. Pages 10-12.

The Commercial Appeal, Memphis, TN. 4 February 1979. "Means takes great pains in study of diamondbacks." Feature article by Henry Reynolds with two b/w photographs in Sunday Section D, p. 9. Text=23 column inches.

The Florida Times-Union, Jacksonville, FL. 15 April 1979. "Tall Timbers: finding ways to work with nature." Feature article by Joe Caldwell with one b/w photograph in Review/Comment Section C, p.1. Text=28 column inches.

National Geographic Society News Features. 2 May 1979. 1) "Shy, cryptic rattlesnake opens up for scientist;" 2) "First aid critical for snakebite victim;" 3) "Snake stories laid to rest." News releases by Barbara S. Moffet with two b/w photographs. Published by newspapers all over the country.

Tallahassee Magazine. Summer 1979. "Tall Timbers--In quest of ecological understanding." Article by Trisha Spillan, two pages.

St. Petersburg Times, St. Petersburg, FL. 16 October 1979. "Means is hot on the trail of the serpent's secrets." Article by Jeff Klinkenberg. Text=25 column inches.

Science 80, Premier Issue. November-December 1979. "Shake, rattle, and beep." Article by Thomas H. Maugh II with one b/w photograph in Crosscurrents Section, pp. 96-97.

Southern Living magazine. March 1980. "Rattles and research in Florida's Tall Timbers." Article with two b/w photographs in section entitled, Southerners, page 70.

Western Advertiser, Beaver Falls, WV. 24 April 1980. "Snake handler." Feature article with three b/w photographs by Diane Hayes. Entire front page spread. Text=28 column inches.

Thomasville Times-Enterprise, Thomasville, GA. 7 August 1980. "Snake expert set for TV show." Text=3 column inches.

Tallahassee Democrat, Tallahassee, FL. 9 August 1980. "New show obnoxious but entertaining." Review of television show, "That's My Line," by David Klein in tv/radion section. Text=18 column inches.

Thomasville Times-Enterprise, Thomasville, GA. 26 August 1980. "A word to the wise: rattlesnakes crawling." Article by Jean Lea Clanton with one b/w photograph, p. 14. Text=22 column inches.

Florida State University Bulletin, Tallahassee, FL. November 1980. "The rattlers vs. the cotton rats." Article with two b/w photographs, pages 5-6.

Thomasville Times-Enterprise, Thomasville, GA. 29 January 1981. "Rattlesnake not endangered, but roommate is." Article by Patti Johnson, p. 5. Text=21 column inches.

Thomasville Times-Enterprise, Thomasville, GA. 30 January 1981. "Biologist talks about rattler roundup; Largest, oldest--still commercial event." Feature article with two b/w photographs by Patti Johnson, p. 3. Text=29 column inches.

Technical Photography magazine. March 1981. Photo of the Month award. A photo of D. B. Means implanting transmitter in mouth of rattlesnake by Irv Kokol. Page 4.

Tallahassee Democrat, Tallahassee, FL. 24 June 1981. "In search of diamondback rattlers." Feature article by John Habich with 4 color photographs in People Section C, p.1. Text=13 column inches.

Miami Herald, Miami, FL. 18 November 1981. "Researcher seeking rattlesnake's secrets." Feature article by Juanita Greene in Science/Medicine Section E, page 1. Text=20 column inches.

The Florida Times-Union, Jacksonville, FL. 26 December 1981. "Tall Timbers grew from research into fires." Front-page feature article with one color photograph by Katie Wood. Text=36 column inches.

Tampa Times, Tampa, FL. 22 January 1982. "Snakes with radios? It's not hard to swallow." Article with one b/w photograph by Anne DeLotto in Sunday Weekender Section, p. 3D. Text=19 column inches.

Weekly Reader, children's school magazine. 2 April 1982. "A scientist tracks rattlesnakes." Edition 2, Vol. 51, issue 23:p. 7.

The Current, monthly publication of Talquin Electric Cooperative, Inc. July 1982. "Tall Timbers Research, Inc." Article in Vol. 6, No. 7, pages 5-7.

Child Life monthly magazine of Children's Better Health Institute, Benjamin Franklin Literary and Medical Society, Inc. November 1983. "Rattlesnakes!" Article with one b/w photograph by Carolee Boyles-Sprenkel.

The Atlanta Constitution. 26 January 1984. "Man convicted of sending rattlesnake to wife's 'ex.'" Associated Press article released from Waycross, Georgia. Text=10 column inches.

Thomasville Times-Enterprise. 4 March 1984. "Dr. Means leaves Tall Timbers Post." Front-page article with one b/w photograph, Tall Timbers press release. Text=4 column inches.

Associated Press news release, July 1984. A news release about rattlesnake research written by Suzette Silverman was picked up by: *Tampa Tribune* (7/28/84); *St. Petersburg Times* (7/29/84); *Florida Times Union* (7/29/84); *Atlanta Journal/Constitution* (8/5/84); *New York Times* (8/21/84); and other newspapers across the country.

Florida State Reports, Summer 1984. Florida State University, Tallahassee, FL. "Splendor in the grass." Article by Suzette Silverman with one b/w photograph, p 5. Entire page.

The Florida Times-Union, Jacksonville, FL. 4 August 1984. "Naturalist plans 1,000-mile walk." Article by Mark Skoneki. Text=12 column inches.

Associated Press news release, August 1984. Story of the inauguration of 1,000-mile walk by Mark Skoneki was picked up by newspapers all over Florida.

Courier-Journal, Louisville, KY. 2 September 1984. Article with one b/w photograph by Andrew Wolfson in Sunday Metro Section B, p. 1. Text=12 column inches.

The News-Enterprise, Elizabethtown, KY. 6 September 1984. "Man relives 1867 trek to Florida." Front-page feature article with one b/w photograph by Sandy Kinsner. Text=12 column inches.

Cedar Key Beacon, Cedar Key, FL. 13 September 1984. "Ecology professor walking 1,000 miles to the Cedar Keys." Front-page feature article with one b/w photograph, Vol. 1, No. 2. Text=6 column inches.

The Roane County News, Kingston, TN. 17 September 1984. "Naturalist seeks out environmental changes." Article by Ron Bridgeman. Text=6 column inches.

Cherokee Scout, Murphy, NC. 18 September 1984. "Ecologist retraces 1,000-mile trek." Feature article with one b/w photograph by Sabrina Oliver. Text=20 column inches.

The Hart County Herald, Horse Cave, KY. 20 September 1984. "Florida State ecology professor retraces 1867 Muir trip." Front-page feature article with one b/w photograph by Ann Matera. Text=23 column inches.

The Atlanta Journal & Constitution, Atlanta, GA. 29 September 1984. "Hiker is saddened by 1,000-mile trek." Article and one b/w photograph by Kent Hannon in Section C, p. 1. Text=22 column inches.

The Times, Gainesville, GA. 25 September 1984. "Walking ecologist finds many worrisome changes; paved highways have replaced free rivers." Feature article with one color photograph by Joey Asher on front page. Text=13 column inches.

White County News, Cleveland, GA. 27 September 1984. "Naturalist stops in Cleveland on 1,000-mile walk to Florida." Article with one b/w photograph by Connie Means. Text=14 column inches.

Augusta Chronicle, Augusta, GA. 1 October 1984. "Educator retraces naturalist's steps through Augusta." Feature article and one b/w photograph by Janet Edens. Text=15 column inches.

Savannah Morning News, Savannah, GA. 10 October 1984. "Hiker duplicates naturalist's trip." Feature article with one b/w photograph by Tom Mather in Local Section, p. 1. Text=14 column inches.

Tallahassee Democrat, Tallahassee, FL. 17 October 1984. "Trek comes to Florida." Article with one b/w photograph in Short Takes from news wires, page 4B. Text=6 column inches.

Tallahassee Democrat, Tallahassee, FL. 17 October 1984. "Local man retracing historic trip." Article in Local/State section by Mary Tebo. Text=17 column inches.

The Florida Times-Union, Jacksonville, FL. 18 October 1984. "Ecologist hikes historic trail for nature's sake." Feature article with one b/w photograph in Metro/State Section B, p. 1. Text=11 column inches.

Florida Flambeau, Florida State University, Tallahassee, FL. 25 October 1984. "FSU biologist braves the wild for environment." Front-page feature article with one b/w photograph. Vol. 72, No. 44. Text=14 column inches.

Gainesville Sun, Gainesville, FL. 25 October 1984. "Lone traveler ends his trek to Cedar Key." Front-page feature article with one color and one b/w photograph by Paula Horvath-Neimeyer. Text=10 column inches.

Cedar Key Beacon, Cedar Key, FL. 25 October 1984. "He made it! Hiking professor arrives." Front-page feature article with one b/w photograph by Julie Stetzel. Vol. 1, No. 8. Text=23 column inches.

Cedar Key Beacon, Cedar Key, FL. 25 October 1984. "Professor's 'treasure' shared by wife." Article by Carla Anderson. Text=17 column inches.

The Atlanta Constitution, Atlanta, GA. 1 November 1984. "Ecology professor walks in footsteps of naturalist Muir." Feature article with two b/w photographs by Gary Moore in Section B. Text=14 column inches.

The Atlanta Journal, Atlanta, GA. 1 November 1984. "Taking a historic trail to the Gulf. Ecology professor walks in the path forged by naturalist Muir." Feature article with one b/w photograph by Gary Moore, page 3B. Text=12 column inches.

The Chiefland Citizen, Chiefland, FL. 15 November 1984. "Means retraces Muir walk to CK." Feature article with one b/w photograph by Terry Witt. Text=24 column inches.

Associated Press news release, November 1984. Story of the completion of 1,000-mile walk was picked up by newspapers all over Florida: *Sun Sentinel*, Pompano Beach; Ft. *Lauderdale News*; etc.

The Christian Science Monitor. 19 November 1984. "Retracing naturalist's 1867 trek across a very changed Southeast." Feature article with two b/w photographs by Robert M. Press in National section, page 4. Text=24 column inches.

Weekly Moultrie Observer, Moultrie, GA. 23 January 1985. "Means' trek different from Muir's." Front-page feature article by John Mercer. Text=20 column inches.

Tallahassee Democrat, Tallahassee, FL. 21 July 1985. "Lake Iamonia, Florida's lake with a leak may be stopped for good." Feature article by Andy Lindstrom with 4 color photos in Sunday Section G,

p.1. Text=42 Column inches.

Tallahassee Magazine, Tallahassee, FL. Fall 1985. "Diamondback man. Rattlesnakes are misunderstood creatures, according to Bruce Means." Article with one b/w photograph by Emmett Snellings, Jr., pages 63-65.

Tallahassee Democrat, Tallahassee, FL. 8 September 1985. "Sovereignty land pillaged." Letter to the editor by D. Bruce Means in Opinion section. Text=10 column inches.

The Florida Times-Union, Jacksonville, FL. 1986. "Palatka park ravines may have been work of St. Johns River." Article by Jack Harper. Text=11 column inches.

Tampa Tribune, Tampa, FL. 13 March 1987. "Cabinet asked to probe land buys." Article by Jim Walker. Text=14 column inches.

The Palm Beach Post, Palm Beach, FL. 25 August 1987. "Diamondback in the rough." Feature article by Shari Spires with 3 color photographs in Accent, Section D, p.1. Text=34 column inches.

Tallahassee Democrat, Tallahassee, FL. 13 September 1987. "National forests belong to all of us." My View article authored by D. Bruce Means in Sunday Opinion section. Text=15 column inches.

Tallahassee Democrat, Tallahassee, FL. 24 September 1987. "More roads won't stop forest fires." Letters to the editor authored by D. Bruce Means. Text=10 column inches.

Comments on the Apalachicola Lowlands Kingsnake. 1988. Chapter in the book, "In Search of Reptiles and Amphibians," by Richard D. Bartlett. Pages 104-105, E. J. Brill, Publ., New York.

Florida Flambeau, Florida State University, Tallahassee, FL. 8 May 1989. "This ecologist means business." Front-page feature article with two b/w photographs by Ron Matus. Text=11 column inches.

TERRA magazine. Summer 1989. "Almost a crab." Article by Joel W. Martin about a two-week expedition to Uruguay in search of strange crabs of the family Aeglidae. Vol. 27, No. 5-6, p. 17-19.

Post Searchlight, Bainbridge, GA. 21 April 1990. "Naturalist to speak at BC." Text=13 column inches.

Tallahassee Democrat, Tallahassee, FL. 22 April 1990. "Cast Earth day 'yes' vote for GreenSpaces on May 8." Feature article in Sunday Section G, page 2. Text=26 column inches.

Tallahassee Magazine. May/June 1990. "Bruce Means, committed to conservation." Article with one color photograph by Carolee Boyles-Sprenkel in Tallahassee's People section. Volume 12, No. 3, pages 49-50.

Tallahassee Democrat, Tallahassee, FL. 4 June 1990. "Environmental degradation still a concern in Leon County." My View article by D. Bruce Means in Reader's Page section, p. 10A. Text=16 column inches.

Tallahassee Democrat, Tallahassee, FL. 8 October 1990. "Forest managers must consider more than just trees." My View article by D. Bruce Means in Reader's Page section, p. 10A. Text=19 column inches.

National Wildlife magazine. October/November 1990. "Who runs America's forests?" Article by Michael Lipske. Volume 28, No. 6, pages 24-28.

Tallahassee Democrat, Tallahassee, FL. 5 November 1990. "We are losing ground on the environmental front." My View article by D. Bruce Means in Reader's Page section, p. 12A. Text=13 column inches.

Tallahassee Democrat, Tallahassee, FL. 29 December 1990. "State plans new cabins on fragile barrier island." Top of front page feature article by Julie Hauserman. Text=15 column inches.

The Wakulla News. 21 May 1992. "Wakulla Wildlife." Article by George L. Weymouth. Text=10 column inches.

The Wakulla News, Crawfordville, FL. 28 May 1992. "Sheppard dove Australia's Great Barrier Reef." Feature whole-page article with one b/w photograph by Mildred Sheppard about Means-led natural history tour to Australia, p. 14B. Text=94 column inches.

Tallahassee Democrat. 13 July 1992. "Thanks to the Forest Service for its thoughtful management." Letter to the editor by D. Bruce Means, page 6A. Text=8 column inches.

Belize Magazine. December 1992. "Discovering a Waterfall." Seven-page feature article with color photos by Lin Sutherland.

The Skimmer magazine, a publication of the Florida Game and Fresh Water Fish Commission. Spring 1994. "Notes from the field. Ecology class unearths rare species." Article with one b/w photograph by Andrea H. Blount. Vol. 10, No. 1.

Tallahassee Democrat. 29 August 1994. "Discovering a biologist's paradise with Bruce Means." Article by Julie Hauserman with one photograph in Environment section, p. 11A. Text=24 column inches.

Tallahassee Democrat. 20 September 1994. "This is a face that should look familiar by now." Article in Miscellanea section by Ron Hartung about tree frogs, p. 1B. Text=7 column inches.

The League of Florida Herpetological Societies Newsletter. Book review by Manny Rubio of: DIAMONDS IN THE ROUGH by Bruce Means. November 1994, pages 24-25.

The Wakulla News. 3 November 1994. "Rattler was a house guest." Article on front page with one photograph by Eloise Weymouth. Text=29 column inches.

The Wakulla News. 3 November 1994. "An introduction to Dr. Bruce Means." Article in Wakulla Wildlife section by George Weymouth, p. 12. Text=20 column inches.

Tallahassee Democrat. 10 January 1995. "Yes, we can manage the forest to benefit all." Article in Commentary Section co-authored with Walter R. Tschinkel. Text=28 column inches.

Watching Wildlife, a book by Mark Damian Duda. 1995. Full page 76 about D. B. Means as "one of the best field biologists in the nation...." Falcon Press, Helena, Montana.

Florida Water. Winter 1995. "Loss of Wetlands = Loss of Wildlife, Mapping the Consequences."

Three-page article by Janisse Ray with 8 paragraphs about Bruce Means' ecology classes.

Tallahassee Democrat. 28 January 1996. "Rounding up the Rattlesnakes." Article in Local Section by Michael Browning. Text=16 column inches.

Tallahassee Democrat. 23 May 1996. "FSU wins education awards." Article in In Focus: Florida State University section, page 3B.

Pensacola News-Journal. 26 May 1996. "Bogs to be preserved for public." Article in Local Section by Scott Schonauer. Text = 27column inches, 2 color photos, 1 map.

Tallahassee Democrat. 21 June 1996. Front-page headline: Scientists tell of Leon County lakes in peril. "Development threatens future of lakes." Front-page headline article by Gary Fineout. Text = 30 column inches, 2 front-page color photos, 1 map.

Pensacola News Journal. 18 March 1997. "Controlled burn planned today to help Perdido wetlands thrive." Local Section article by Scott Schonauer. Text = 7 column inches.

Miami Herald. 5 August 1997. "More sprayed sewage is in the air." Article by Michael Browning. One sentence quote in article.

Tallahassee Democrat. 11 August 1997. "Nature" Article by Sandy Beck. Three paragraphs mentioning Means's teaching style and wilderness classes.

Florida State University news release, 11 November 1997. "FSU Biologists design Florida's first amphibian crossings." Two-page news release by Nancy Lauer, Media Relations Office.

Tampa Tribune. 26 December 1997. "Frog crossing could save 2 species." Tampa Tribune feature article by Jim Sloan. Text = 17 column inches.

Orlando Sentinel. 27 December 1997. "Highway research: tunnels for frogs." Orlando Sentinel feature article. Text = 16 column inches.

Gainesville Sun. 27 December 1997. "Tunnels could save endangered frogs." Local and State section. Text = 13 column inches.

Tallahassee Democrat. 27 December 1997. "Biologists hope amphibians will follow panthers' lead." Local Section Associated Press release. Text = 12 column inches.

FSView. 7 January 1998. "FSU biologists to design Florida's first amphibian 'crosswalk'." Florida State University newspaper article by Nancy Lauer. Text = 17 column inches.

The Florida Flambeau. 9 January 1998. "FSU professors hope to save amphibians from untimely deaths." Front page headline article by David Rolland. Text = 15 column inches.

Pensacola News-Journal. 19 February 1998. Institute works to preserve coastal plains. Article on page 2B by Christian Wagley. Text = 6.5 column inches.

Scientific American. March 1998. "Reducing roadkill." News brief by Kristin Leutwyler. Text = 3 column inches.

Environment. March 1998. "How did the frog cross the road?" Article in Spectrum Section. Volume 40(2):19-20.

Forbes Magazine. 4 May 1998. "Environmental tunnel vision." One-page article by Peter Kafka.

Tallahassee Democrat. 8 May 1998. "Now is not the time to stop learning about ecosystem." Letter to the Editor by Grayal Farr supporting environmental classes taught by D. B. Means. Text = 12 column inches.

The Wall Street Journal. 13 May 1998. "Foresters fight feds over salamander." Feature article by Motoko Rich, page F1. Text = 24 column inches.

Tallahassee Democrat. 24 May 1998. "Forest creature's future is looking fragile." Front page Sunday paper feature article by Kristen Svingen. Text = 53 column inches; 2 front page full color photos.

Tallahassee Democrat. 2 July 1998. "Actually, \$40,000 contract barely covers expenses." Letter to the editor by D. B. Means. Text=16 column inches plus one b & w photo.

The Valencia Source, Valencia Community College newspaper. 9 December 1998. "Where the wild things are." Biosketch of D. B. Means by Amr Abdel-Wahab announcing upcoming lecture. Text=5 column inches plus one b & w photo.

Tallahassee Democrat. 24 December 1998. "Biologist to make his snakes stars." Article in In Focus: Florida State University section by Nancy Cook Lauer. Text=15 column inches plus one b & w photo.

Florida State Times. February/March 1999, Vol. 4, No. 6. "FSU's triple alum knows the secrets of snakes." Article by Nancy Cook Lauer. Text=25 column inches plus 3 color photos.

The Road-RIPorter. March/April 1999, Vol. 4, No. 2:6-7. "Maps inside Flatwoods Salamanders." Article by Janisse Ray. Text = 50 column inches.

Tallahassee Democrat. Sunday, 29 August 1999. "The Snake Man." Article on front page of Features Section (D) by Nancy Cook Lauer. Text=25 column inches plus 4 color photos, 1 black and white photo, and one color photo at top of Page 1.

Tallahassee Democrat. Friday, 3 September 1999. "Local naturalist to be featured on NBC special." Announcement in Briefs Section on page 4A. Text=3 column inches.

Anchorage Daily News. 4 November 1999. "Rattlesnake show features former Alaskan's expertise." Feature article by Sonya Senkowsky. Text=20 column inches plus one black and white photo.

Flatwoods salamander. 1999. Book chapter in "Ecology of a Cracker Childhood" by Janisse Ray pages 217-223. Milkweed Editions, Minneapolis, Minnesota.

Tallahassee Democrat. 2000. "Third world Florida? Our ecological problems are not much different than those of Madagascar." Feature article in Sunday Comment Section by D. B. Means. Text = 36 column inches plus 8 color photographs.

Tallahassee Democrat. 16 July 2000. "Looking for Ghosts." Feature article in Sunday Features Section by Kathleen Laufenberg. Mention of B. Means and his two sons. Article with text = 60+ inches.

Tallahassee Democrat. September 2000. “Disappearing ponds and underground rivers.” Article by D. B. Means about Leon County ecology in Democrat Information Supplement. Text = 13 column inches plus 1 color photo.

Tallahassee Democrat. September 2000. “Steepheads: havens of biodiversity.” Article by D. B. Means and Karla Brandt about Leon County ecology in Democrat Information Supplement. Text = 13 column inches plus one color photo and one line drawing.

Tallahassee Democrat. September 2000. Three color photographs by D. B. Means in Democrat Information Supplement.

Tallahassee Democrat. February 2001. Flatwoods and wet flats. Article by D. B. Means in Democrat Information Supplement. Text = 46 column inches plus 5 color photographs.

Fort Myers News-Press. May 2002. Scientists: Rattlers are ‘sweethearts, gentle-natured,’ Bruce Means has been studying rattlesnakes since the 1970s. Article by Byron Stout. Text = 25 column inches plus one color photograph.

Tallahassee Democrat. 26 June 2002. Road project stopped for now; Ecologist concerned about health of wildlife. Article by Bruce Ritchie. Text = 13 column inches.

Tallahassee Democrat. 10 July 2002. Area ecologist strikes back; documentary collides with Crocodile Hunter. Front page article by Bruce Ritchie. Text = 20 column inches plus one color photo and 1 black and white.

Florida State Times. October 2002. Ecologist’s message: Respect the snake—it can kill you or feed you. Page 2 article by Vida Volkert. Text = 16 column inches plus two color photos.

Tallahassee Democrat. 7 January 2003. Bush to propose new water rules: The local angle. Page 3A article by Bruce Ritchie. Text = 7 inches.

FSView & Florida Flambeau. 17 February 2003. Mudding endangers forest: Mudding and other irresponsible acts cause damage to natural habitats. Pages 10-11 article by Joe Friedman. Text = 22 column inches plus 3 large b & w photos.

National Geographic News. 10 March 2003. Rattlesnake Roundups Draw Crowds, Complaints. Lead feature article at NATIONALGEOGRAPHIC.COM by Brian Handwerk. Text = 1,650 words.

Tallahassee Democrat. 2 June 2003. Park, preserve a “Garden of Eden.” Front page feature article about state land acquisitions to enlarge Torreya State Park. Article by Bruce Ritchie. Means featured in 3 of 25 column inches.

The Wakulla News. 6 November 2003. Too much to wish for a few places left alone? Article by D. B. Means in Letters to the Editor section, page 2. Text = 12 column inches.

Tallahassee Democrat. 9 January 2004. King of the snakes; local expert goes on national TV. Article in Leisure Section giving airing notice for “Saving the King of Snakes,” a 30-minute documentary about D. B. Means’ work with the new Apalachicola Kingsnake. Text = 2 column inches plus 2 color photos by D. B. Means.

Tallahassee Democrat. 18 January 2004. Where ice blooms. Full page article by Sharon Rauch in Life and Arts Section about D. B. Means's study of ice flowers, pages 1D – 2D. Text = 28 column inches plus 6 color and 2 black and white photos by D. B. Means.

Tallahassee Democrat. 28 January 2004. Activists object to rattler roundups; Tallahassee Director wants snakes left alone. Page 5B of Local and State Section. Article by Elliott Minor released throughout the Southeast by The Associated Press. Text = 21 column inches plus one b & w photograph of D. B. Means holding a 6' long rattlesnake.

The Atlanta Journal-Constitution. 28 January 2004. Roundups of snakes protested as abuse; Whigham among towns that exploit diamondbacks. Page C3 in the Metro Section. Text = 14 column inches plus two b & w photographs by D. B. Means.

Tallahassee Democrat. 2 March 2004. Protecting pond wildlife. Page 1B of Local and State section. Article by Bruce Ritchie. Means interviewed about impacts of ORVs on Apalachicola National Forest wetlands. Text = 19 column inches plus one color photo by D. B. Means.

Green Empire. 2004. Discussion of Bruce Means's environmental interactions with St. Joe Paper Company in book by Kathryn Ziewitz and June Wiaz, p. 68.

Florida State University Research in Review. November 2004. Panhandle Plainsman. An article describing Bruce Means's 40-year research career and short biography by Frank Stephenson. Cover plus 18 pages of text including 32 color photographs, of which 28 are by D. B. Means.

National Geographic Magazine. May 2005. "One bad move and you're snakebit!" A two-page color spread by artist Brian Ashmore featuring five panels showing how D. B. Means survived an envenomation by the eastern diamondback rattlesnake. Pages 12-13 in article by Cathy Newman entitled "12 Toxic Tales."

Tallahassee Democrat. 24 May 2005. Web site depicts illegal mud-bogging. Page 1B of Local section. Article by Bruce Ritchie. Quotes D. B. Means in several places about the impacts of illegal vehicular use of ponds in the Apalachicola National Forest. Text = 18 column inches.

The Wakulla Independent Reporter. May 2005. Book review of Priceless Florida by Bruce Bickley, p. 7.

Tallahassee Democrat. 17 July 2005. "Cousin helps save snakebite victim." Page 1B of Local and State section. Article by Kim McCoy Vann, citing Means and information about eastern diamondback natural history.

Reader's Digest. September 2005. "There's a what in my yard? Hair-raising tales of animal removal." Article by Andy Simmons. Subsection, Fangs for the Memories, about Means's snakebite on a remote barrier island. Pages 120-121.

Tallahassee Democrat. 8 September 2005. Forest eyed for Capital Circle. Front page article by staff writer, Bruce Ritchie. Large front-page photograph of D. B. Means protesting local government's desire to expand a major highway through the Apalachicola National Forest. Text = 28 column inches.

The Palm Beach Post. 15 September 2005. Wake up, Floridians, scientists say, to this cold-blooded killing. Feature article by Michael Browning reviewing book, Amphibians and Reptiles: Status and Conservation in Florida. Chapters written by Bruce Means are quoted. Article was sent out by Cox

News Service and was published throughout the country including Anchorage Daily News on same date.

Tallahassee Democrat. 29 April 2006. Proposal would move fairgrounds to national forest. Article in Local and State Section by Jeff Burlew quoting Bruce Means, pp. 2a & 2b.

Tallahassee Democrat. 16 May 2006. Forest site eyed for fairgrounds; proposal stirs up criticism from local environmentalists. Front page article by Jeff Burlew. Text = 12 column inches.

Tallahassee Magazine. January-February 2007. "Florida wild, a photographer and naturalist collaborate to illustrate the state's natural diversity and beauty." Article by Roseanne Dunkleburger reviewing Valentine's and Means's book, *Florida Magnificent Wilderness*. Pp. 100 – 107.

Daytona Beach News-journalonline.com. 14 October 2007. A fallen forest, nearly gone, longleaf pines once ruled the Southern landscape. Article by Dinah Voyles-Pulver quoting Bruce Means with photo of Means. Front page feature article.

Tallahassee Democrat, 3 December 2007. No newts is not good news. Front-page lead article by Bruce Ritchie featuring Bruce Means's research on temporary ponds of the Apalachicola National Forest with small color photo of Means. Two of Means's color photos accompany the article of 27 column inches length.

Daytona Beach News-journalonline.com. 23 December 2007. Amphibians: forgotten in discussion, lost to the world. Article by environmental writer, Dinah Pulver citing D. B. Means throughout. Text=13 column inches.

Tampa Bay Times. Sunday, 16 March 2008. "Rattle Tales. He loves rattlers, despite being 'envenomated.' That means snakebit." Feature article on front page of Floridian E Section by Jeff Klinkenberg. All about Means's 30+ years of research on the eastern diamondback rattlesnake. Text= 57 column inches, 2 color photographs. www.tampabay.com/features/humaninterest/article417414.ece

Tallahassee Democrat. Wednesday, 20 August 2008. Big Bend ecologist seeks protection for newt. Article in Local/Florida Section by Bruce Ritchie. Announces the petition of the USFWS D by D. B. Means et al. to list the striped newt as a threatened species. Text=14 column inches.

Hernando Today, a publication of the *Tampa Tribune*. Sunday, 12 October 2008. "Do the rattlesnake shake, 14th annual Reptile and Amphibian Festival draws 500 spectators to Chinsegut Nature Center." Article by Tony Holt featuring rattlesnake researcher Bruce Means's presentation with 2 color photos. Text = 15 column inches.

Tallahassee Democrat. Sunday, 9 November 2008. Snakes, frogs & salamanders, Tallahassee's Bruce Means sings the praises of the planet's more creepy critters. Two-page article by Kathleen Laufenberg in D Section, Living and the Arts. Text=28 column inches plus two color photos and 1 black & white photo.

Tallahassee Democrat. Sunday, 9 November 2008. "Book takes readers on ecological adventure." Book review of Means's book, *Stalking the Plumed Serpent*, by Bruce Ritchie. Text=20 column inches plus color photo of dust jacket.

Marysville Advocate, Marysville, Kansas. Thursday, 27 November 2008. Authorless article entitled, "Plains plants produce ribbon-like 'ice fringe,'" citing work on ice flowers by D. B. Means. Text=10 column inches plus 3 of Means's b&w photos.

Tallahassee Democrat. Saturday, 21 March 2009. "Flatow draws crowd to FSU science conference." Article by Doug Blackburn about Science Friday interview of Bruce Means and Sean Carroll. Text=17 column inches.

Florida State University Research in Review. March 2009. Review of *Stalking the Plumed Serpent and Other Adventures in Herpetology* by Cheerie Winner. p. 36.

Florida Wildlife magazine. July/August 2009. "Bruce Means, Salamander Hunter." Article and photographs by Doug Alderson, a four-page biography of Means's salamander research in north Florida.

Florida State University Research in Review. Fall/Winter 2009. "Living Fossil' Frog Found." By Frank Stephenson, a one-page article describing Means's latest discovery w/2 color photos by Means. Page 2.

Life, Extraordinary Animals, Extreme Behavior. 2009. A companion book to the landmark BBC series of the same title, edited by Martha Holmes et al. D. B. Means's tepui research is featured on pp. 140-143 with 3 of his color photos.

Anthill, a novel by Edward O. Wilson. 2010. Cover of the softbound book is a full-page photograph by D. B. Means.

Thomasville Times Enterprise. 24 January 2010. "It's time to support different snake event." Article by Sandy Beck citing D. B. Means's rattlesnake research and 1 b & w photograph by D. B. Means.

Tallahassee Democrat. 25 January 2010. "Rattlesnake Roundups: A Tradition that Needs to Change." Article by Sandy Beck citing D. B. Means's research and 2 b & w photos by D. B. Means. Page 9A.

The Salamander Hunter. Chapter 11 *In Encounters with Florida's Endangered Wildlife*. By Doug Alderson. 2010. A chapter about Bruce Means's salamander research over the years. Pages 116-129.

Associated Press News Release. 21 April 2010. "*Psssst: Southern roundups under pressure from ecologists to end hunts.*" Wire story sent out by AP Press writer Jay Reeves. Published in numerous newspapers and on-line news media such as CBS News, MSNBC, KATU Portland, Birmingham News, Kansas City Star, Connecticut Post, Star-Telegram Texas, and others. Cites scientific research published by D. B. Means regarding effects of roundups on eastern diamondback rattlesnake populations.

Updating the bookshelves Part V: Biographies and autobiographies, Amphibian Extinction, Snake Ecology and Conservation, Rattlesnakes, Chelonians, Lizards and Crocodilians, Anoles. By James B. Murphy. 2010. Zoo View, Herpetological Review 41(1):6-16.

South Florida SunSentinel.com. "Conservation Groups Want to Protect Eastern Diamondback Rattlesnake." By David Fleshler. 22 August 2011. Cites Means's research and quotes. <<http://www.sun-sentinel.com/news/blogs/green-south-florida/sfl-save-the-rattlesnake-20110822,0,5177179.story>>

Miami Herald. "Florida Researcher Wants Rattlesnakes Protected." 23 August 2011. <<http://www.miamiherald.com/2011/08/23/2370921/florida-researcher-wants-rattlesnakes.html#ixzz1VrDyazwW>>

The Birmingham News. "Don't Tread on Diamondback! Protection Sought for Snake Found in South Alabama." By Thomas Spencer. 23 August 2011. Cites Means's research. <http://blog.al.com/spotnews/2011/08/dont_tread_on_diamondback_prot.html>

Mother Jones. "Report: Tea Party's Favorite Snake Needs Government Aid." By Tim Murphy. Cites Means's research and quotes him. <<http://motherjones.com/mojo/2011/08/report-government-action-needed-save-tea-party-favorite-snake>>

The Cairo Messenger, Grady Co., GA. "Future of and need for rattlesnake roundups are hotly debated topics." By Brian Dekle. 8 February 2012. 184 column inches story citing Bruce Means's research and quotes about rattlesnake roundups.

Atlanta Journal Constitution. "Are Some Rattlesnakes Endangered? Feds to Weigh in." By Bill Kaczor, AP. 9 May 2012. Quotes Bruce Means and his data.

Miami Herald. "Rattlesnakes May Go on Endangered Species List." By Bill Kaczor, AP. 9 May 2012. Quotes Bruce Means and his data.

Andalusia Star News. "Rattler May Qualify for Protection." By Kendra Bolling. 10 May 2012. Quotes Bruce Means and his data.

The Times-Picayune, New Orleans, LA. "Eastern Diamondback Rattlesnake, Once Found in St. Tammany, May be Declared Endangered." By Mark Schleifstein. 13 May 2012. Cites Bruce Means's & data.

Science. "Unlocking the Secrets of a Lost World." Editor's Choice, Edited by Kristen Mueller and Jake Yeston. 30 August 2012. Paragraph about a scientific research article by Kok, Means, et al. 2012 (Current Biol. 22, R589).

Tallahassee Democrat. "Mark Hohmeister: Odd Invaders Entertain in the Carport." 21 September 2012. Article by Hohmeister citing Means's research in Tallahassee on four invasive amphibians and reptiles in north Florida.

The Walton Sun. "Bruce Means to Speak on Walton County Biodiversity 'Hotspot.'" By Molly Mosher. 23 September 2012. Home>Local News and <<http://www.waltonsun.com/news/walton-9759-county-facts.html>>

The Legacy of a Red Hills Hunting Plantation: Tall Timbers Research Station & Land Conservancy. 2012. University Press of Florida. xvi + 336 pp. A book by Robert L. Crawford and William R. Brueckheimer in which Means's role as employee and Director of Tall Timbers Research Station is chronicled.

Tampa Bay Times. "Rattlesnake was King, and Antivenin was Near, in 1930s Tampa." 28 October 2012. By Jeff Klinkenberg. Major article citing Means's research and experiences with the eastern diamondback. <http://www.tampabay.com/features/rattlesnake-was-king-and-antivenin-was-near-in-1930s-tampa/1257966>

Tallahassee Democrat, Chronicle. "Local Naturalist Opens Science Speaker Series." 20 February 2014. Article by Frank Stephenson. 13 column inches.

The Explorers Log. Florida Chapter. Spring 2016. *The Explorer's Club Quarterly* 48(2):9. By George Frandsen. Full page article about Means's lecture, "Over the Rainbow, Exploring Shangri-La, The Lost Worlds of South America."

Tallahassee Democrat, The Chronicle. 2017. "Dr. Bruce Means Opens Speaker Series." 17 February 2017. By William Teehan. Advertises opening lecture of the Tallahassee Scientific Society's Horizons Spring Lecture Series held in Tallahassee I-Max Theater. 8 column inches.

Tallahassee Democrat. 2017. "The Capital City's Snake Whisperer." 18 February 2017. By Karl Eiters. Front page header, "Rattlesnake Whisperer" followed by article on page 3A. 2 color photos of Means and 10 wide-column inches of text.

National Geographic Special Issue. 01-2021. The year in pictures. A race against climate change. Two-page photograph of Alex Honnold hanging from Weiassipu Tepui cliff with text "...herpetologist and National Geographic Explorer Bruce Means, assisted by Honnold, is leading a quest to identify new species here." Pages 106-107.

National Geographic Magazine, 2022. April issue. Cover and 36-page lead article, *Exploring Islands in the Sky*. Pages 36-71. Article about 2021 expedition to Mt. Weiassipu in Guyana to complete D. Bruce Means's life work among tepuis of the Guiana Shield.

Tallahassee Democrat, Sunday April 17. Head in the Cloud Forest. "Tallahassee naturalist Bruce Means chases reptiles in 'The Last Tepui' documentary." Article by Frank Stephenson. Pages 1C & 3C in TLC Life Section.

USA Today Special Edition, Earth Day Issue. 22 April 2022. Cover, pages 3, 5, 8, 10-21, 25, 37-38. Twenty-eight full pages about the 2021 expedition to Guyana, including 5 separate articles, "Voyage to an Island in the Sky; Rock Star; A Scientific Heaven on Earth; A Tipping Point: What Must We Do?; and Sweet Spot."

Television, Films, and Radio Media

"Natural history of the eastern diamondback rattlesnake." Aired in 1979 on WCTV, CBS affiliate, Tallahassee, Florida. An 8-minute long documentary on the life history and ecology of the eastern diamondback rattlesnake.

"That's My Line." A CBS Mark Goodson/Bill Todman Production. Aired 9 August 1980 across the country. A seven-minute interview of D. B. Means by Bob Barker in front of a live audience with film clips from rattlesnake research on Tall Timbers Research Station.

"Cave environments." Aired in 1980 on WCTV, CBS affiliate, Tallahassee, Florida. A six-minute documentary on the ecology of caves of north Florida.

"Popular misconceptions about local animals." Aired in 1980 on WCTV, CBS affiliate, Tallahassee,

Florida. A documentary in two six-minute segments about the biology of interesting local animals of north Florida and south Georgia.

“Annual burning.” Aired in 1980 on WCTV, CBS affiliate, Tallahassee, Florida. A seven-minute documentary on the practice of annual burning in north Florida and south Georgia.

“Introduced species.” Aired in 1980 on WCTV, CBS affiliate, Tallahassee, Florida. A documentary in two four-minute segments about the biology of introduced species.

“Extinct Florida animals.” Aired in 1980 on WCTV, CBS affiliate, Tallahassee, Florida. A documentary in four six-minute segments about the biology of and reasons for the demise of extinct Florida animals.

“Primary productivity.” Aired in 1980 on WCTV, CBS affiliate, Tallahassee, Florida. A documentary of 6.5 minutes duration on the ecological process of productivity.

“The Virginia Opossum.” Aired in 1982 on WCTV, CBS affiliate, Tallahassee, Florida. A seven-minute documentary on the life history and ecology of the opossum.

“How About...” A Mr. Wizard studio television production. First aired 19 April 1983 across the country in a weekly series for Nickelodeon, the cable-TV channel for children. Appeared frequently as a re-run for eight years. A three-minute segment about the research of D. B. Means on the eastern diamondback rattlesnake at Tall Timbers Research Station.

“Garden of Eden.” A documentary film produced by Florentine Films for The Nature Conservancy about the loss of biodiversity. Aired on television across the country in 1983 and 1984 and made available as a film to schools. Nominated for an Oscar award as best documentary film of 1984.

“Florida Naturally, Steepheads.” A documentary film produced in 1983 by public television station WFSU. Aired around the state as part of a ten-film series on Florida’s unique habitats.

“Florida Naturally, Longleaf pine forests.” A documentary film produced in 1983 by public television station WFSU. Aired around the state as part of a ten-film series on Florida’s unique habitats.

“Florida Naturally, Seepage bogs.” A documentary film produced in 1983 by public television station WFSU. Aired around the state as part of a ten-film series on Florida’s unique habitats.

“Rattlesnake!” A documentary produced in 1986 by CBS affiliate WCTV in Tallahassee, Florida. Aired locally on the Good Morning Show. Running time 4 minutes.

“Florida’s Valuable Wetlands.” A documentary produced in December 1986 by CBS affiliate WCTV in Tallahassee, Florida. Aired locally; running time 7 minutes.

“Bruce Means, Ecologist.” A documentary produced by public television station WFSU for their Southern Circuit series and aired around the state of Florida in 1987. Running time 15 minutes.

“Tates Hell Swamp.” Aired in 1987 on NBC affiliate WJHG in Panama City, Florida. A 30-minute documentary on the ecology and history of Tates Hell Swamp.

“Sovereign Lands.” A documentary produced in 1987 by CBS affiliate WCTV in Tallahassee, Florida. Aired locally; running time 6 minutes.

“The Price of Effluent Spray. Just Where do we Put It?” A documentary produced in November 1988 for their Accent program by public television station WFSU. Running time 30 minutes.

“Management or Madness: the Future of our National Forests.” A documentary film produced by Visual Litigation Group, Inc. for airing in the Leon County, Florida region. Running time 12 minutes. D. Bruce Means explains in the field about the mismanagement of National Forests.

“Wakulla Springs.” A documentary produced in 1988 by CBS affiliate WCTV in Tallahassee, Florida about exploration of the underground, water-filled passageways of Wakulla Springs. Aired locally. Running time 8 minutes.

“Wakulla Springs.” A documentary produced in 1988 and aired on CBS Science and Technology program nationally. Running time 8 minutes.

“Extinction.” A documentary produced in 1988 by CBS affiliate WCTV in Tallahassee, Florida about the loss of global and local biodiversity. Aired locally on the Good Morning Show. Running time 8 minutes.

“The Casiquiare Mystery.” A documentary produced in 1989 by CBS affiliate WCTV in Tallahassee, Florida about an expedition by D. Bruce Means to the mysterious Casiquiare River, connection between Orinoco and Amazon drainage basins. Aired locally on the Good Morning Show. Running time 9 minutes.

“Angel Falls.” A documentary produced in 1989 by CBS affiliate WCTV in Tallahassee, Florida about an expedition by D. Bruce Means to Auyantepui and Angel Falls in southeastern Venezuela. Aired locally on the Good Morning Show. Running time 10 minutes.

“St. George Island.” A documentary produced in 1990 by CBS affiliate WCTV about impending construction on sensitive state park lands. Aired locally on Eyewitness News program. Running time 6 minutes.

“Lost Worlds of Southeastern Venezuela.” Aired in 1991 on WCTV, CBS affiliate, Tallahassee, Florida. A documentary of 6.5 minutes duration on the ecology of the Guayana Highlands.

“The Okefenokee Swamp, Part I.” A documentary film produced in July 1992 by CBS affiliate WCTV about D. B. Means’ ecology class studying the natural history of the Okefenokee Swamp. Aired locally on Eyewitness News program. Running time 6 minutes.

“The Okefenokee Swamp, Part II.” A documentary film produced in July 1992 by CBS affiliate WCTV about D. B. Means’ ecology class studying the natural history of the Okefenokee Swamp. Aired locally on Eyewitness News program. Running time 6 minutes.

“The Okefenokee Swamp, Part III.” A documentary film produced in July 1992 by CBS affiliate WCTV about D. B. Means’ ecology class studying the natural history of the Okefenokee Swamp. Aired locally on Eyewitness News program. Running time 6 minutes.

“The Okefenokee Swamp, Part IV.” A documentary film produced in July 1992 by CBS affiliate WCTV about D. B. Means’ ecology class studying the natural history of the Okefenokee Swamp. Aired locally on Eyewitness News program. Running time 6 minutes.

"Focus on the Environment." A panel of three environmentalists (one of which was D. B. Means) discuss the state of the environment. Produced in 1992 by CBS affiliate WCTV and aired locally on Eyewitness News program. Running time 30 minutes.

"Whose Woods are These?" A documentary film produced by the Texas Committee on Natural Resources and Mayah Productions. Aired across the country in 1992. D. B. Means explains in the field about the mismanagement of National Forests. Running time 22 minutes.

"Snake bite at Local Nursery." An interview about the dangers of snake bite, precipitated by the pygmy rattlesnake bite of a customer at a Tallahassee Wal-Mart. Aired locally in 1995 by CBS affiliate WCTV on Eyewitness News program. Running time 2 minutes.

"Apalachicola River." Field interview of D. B. Means about the ecological qualities and problems of Florida's whitewater (alluvial) rivers. Aired locally on 4/24/96 by CBS affiliate WCTV on Eyewitness News program. Running time 2 minutes.

"New River." Field interview of D. B. Means about the ecological qualities and problems of Florida's blackwater rivers. Aired locally on 4/25/96 by CBS affiliate WCTV on Eyewitness News program. Running time 2 minutes.

"Wakulla River." Field interview of D. B. Means about the ecological qualities and problems of Florida's aquifer-fed rivers. Aired locally on 4/26/96 by CBS affiliate WCTV on Eyewitness News program. Running time 2 minutes.

"Animals that Bite." A National Geographic Explorer television program about snakebite with an eight-minute segment featuring D. B. Means's research on the life history and ecology of the eastern diamondback rattlesnake. Aired on Turner Broadcasting System 28 April 1996. Running time 30 minutes.

"Prescribed fire rejuvenates pitcher plant preserve." WEAR Channel 3, ABC affiliate, news feature about prescribed burn on Crown Pointe Preserve, owned and managed by Coastal Plains Institute. Aired mid-day and evening on 18 April 1997. Running time 2 minutes.

"Florida Division of Forestry assists in control burn." WKRK Channel 5, Mobile/Pensacola news feature about prescribed burn on Crown Pointe Preserve, owned and managed by Coastal Plains Institute. Aired mid-day and evening on 18 April 1997. Running time 2 minutes.

"Leon County lakes: Problems and solutions." WFSU public radio hosted by Jim Christie, Tallahassee, FL. Aired 31 July 1997, 11a.m.-12 p.m. One hour long call-in program.

"Amphibian Underpass: FSU researcher studies ponds." WCTV Channel 6 news clip, Tallahassee, FL. Aired December 14, 1997. Running time 2 minutes.

"Amphibian Underpass: FSU researcher studies ponds." WTXL Channel 27 news clip, Tallahassee, FL. Aired December 17, 1997. Running time 2 minutes.

"Road Crossing for Amphibians." WTWC Channel 40 news clip, Tallahassee, FL. Aired Friday, January 2, 1998. Running time 2 minutes.

"Amphibian underpass for Rare Amphibians." Fox News Release for national affiliate stations. Aired January, 1998, all over the U. S. Running time 2 minutes.

"Frog Crossing." 9 January 1998. Interview of D. B. Means by Dr. Susan Allen on Channel 47 daily radio program *Eureka*. Running time 2 minutes.

"Special crosswalk to be built for amphibians." 12 January 1998. Interview with Tina Shrodder for daily NPR program, *FSU Headlines*. Running time 3 minutes.

"How Florida Got Cool, The invention of refrigeration." June 1998. Florida Public Broadcasting Service, Inc. A film including clips of D. B. Means talking about environmental problems facing Floridians. Running time 21 minutes.

"The Whigham, Georgia, Rattlesnake Roundup." February 1999. Interview aired on *National Public Radio* at Whigham, Georgia, Rattlesnake Roundup about the effects of roundups on the population biology of the eastern diamondback rattlesnake. Running time 2 minutes.

"Flatwoods salamander: A new threatened species." 9 April 1999. Interview by Sidney Fisher aired on evening news programs for WTXL Channel 27, Tallahassee, FL. Running time 2 minutes.

"Florida, the Outdoor Adventure, Northwest Region." April 1999. Film produced by the Florida Game and Fresh Water Fish Commission and aired on PBS. D. B. Means is featured in a two-minute segment about the biodiversity of panhandle Florida.

"Rattlesnake Man." 3 September 1999. Clips of D. B. Means interviewed in Florida by Matt Lauer, aired on NBC's TODAY SHOW. Running time 3 minutes.

"Rattlesnake Man." 3 September 1999. Clips of D. B. Means interviewed in Florida by Matt Lauer, aired on NBC's DATELINE show. Running time 3 minutes.

"Rattlesnake Man." 4 September 1999. National Geographic Explorer Special Edition, hosted by Matt Lauer on NBC at 8:00 p.m. Running time: 15 minutes.

"King Rattler." First aired 6 November 1999. A National Geographic Explorer documentary about the natural history and conservation problems of the eastern diamondback rattlesnake, co-produced by D. B. Means with David Wright with D. B. Means on camera. Running time: one hour.

"Close Encounters." 26 & 29 July 2000. WCTV Good Morning Show, animal interest program by Art Meyer featuring the ecological importance of the American alligator. Female gator and babies in a gator hole in the dry bed of Lake Jackson, with naturalist D. B. Means. Running time 5 minutes.

"The Natural World--Deadly Vipers." First aired December 2000. BBC Television documentary about venomous vipers and pitvipers of the world. D. B. Means assisted in filming and served as a scientific consultant. Running time: one hour.

"The Secret Seashore." 2001. A Georgia Public Television documentary about the barrier islands of the Georgia seacoast. A four-minute segment about Blackbeard Island features D. B. Means explaining the biology of the eastern diamondback rattlesnake population there. Running time: one hour.

"Quest for the Rainbow Serpent." First aired in August 2002. A National Geographic Explorer documentary about the snakes of Australia co-produced by D. B. Means and David Wright with D. B. Means on camera. Running time: one hour.

“FSU Alumnus Stars in National Geographic Special.” First aired 2 November 2002. A segment of FSU Headlines, a half-hour public affairs program (PBS) airing throughout the state on Sunshine Network and WFSU-TV. Running time: five minutes.

“Diamondback Survivors.” First aired 29 January 2003. An episode in National Geographic Channel’s “Snake Wranglers” series about how the eastern diamondback rattlesnake survives in the face of human onslaught. Features Bruce Means and biologist son, Ryan Means, working together on offshore barrier islands of Georgia and Florida. Running time: 30 minutes.

“Giant Toad.” First aired 12 February 2003. WCTV Good Morning Show. An animal interest program featuring D. B. Means talking about a world-record, giant Southern Toad from Jefferson County, Florida; a case of true gigantism. Running time 5 minutes.

“Bad Rap Vipers.” First aired 12 February, 2003. An episode in National Geographic Channel’s “Snake Wranglers” series about how venomous snakes get a bad rap, featuring D. B. Means talking about defensive behavior in the eastern diamondback rattlesnake. Running time: 30 minutes.

“Smart Reptiles.” Episode 2 of three hour-long documentary films in the series “Dragons Alive,” first airing in 2004 about the interesting sensory biology of the world’s snakes. BBC Television. Running time: 1 hour.

“Saving the King of Snakes.” Documentary film about Bruce Means’s discovery, study, and naming of a distinct new race of the common kingsnake, *Lampropeltis getula*, in the Florida panhandle. One of the series, “Snake Wranglers II,” for the National Geographic Television Channel that premiered 11 January 2004. Running time: 30 minutes.

“Into the Lost World.” Premiered 22 February, 2004. A documentary film about a 30-day walking and climbing expedition through trackless rainforests of Guyana to the northern “Prow” of Mt. Roraima, the mysterious mountain that inspired Sir Arthur Conan Doyle’s “Lost World” novel. National Geographic Ultimate Explorer. Running time: 1 hour.

“Red Hills Horse Trials and Nature Walk.” Released 3/25/2004. An On Location production of the City of Tallahassee television channel. D. B. Means appears explaining some of the natural history of a walking trail in Elinor Klapp Phipps Park.

“Everglades Trail.” Released June 2004. Stories of the Everglades narrated by Charles Osgood on a two-disc set of CD-ROM. Produced by Wilderness Graphics, Inc. D. B. Means narrates a segment about Everglades wildlife.

“Red Hills.” Released July 2006. A documentary film about a large upland region in southwest Georgia and the eastern panhandle of Florida. Produced for Georgia Outdoors television program of Georgia Public Broadcasting, Atlanta, Ga. D. B. Means on camera. Running time: 30 minutes.

“Legends of the Lost World.” Released in July 2007. A documentary film about an expedition in Guyana to remote tepuis, in which D. B. Means explains the geology and ecology of the Guiana Shield region of South America. Produced by North Face and Rush HD Television Channel. Running time: 75 minutes.

“Ultimate Viper.” 2007. A National Geographic Ultimate Explorer documentary film featuring the recreation of D. B. Means’s snakebite by the eastern diamondback rattlesnake. First aired on National Geographic High Definition Channel. Running time about 15 minutes in a 60-minute film.

“Corridors of Life, St. Andrews Bay Watershed.” 2008. D. B. Means is co-producer and on-camera host of a documentary film about the three missions of the Northwest Florida Water Management District (to protect the water, to protect habitat, and provide recreation), and the geology, hydrology, and ecology of Econfina Creek and springs in the St. Andrews Bay watershed. Running time: 58 minutes. GOLD AWARD winner in the 2009 Audio Visual Awards Competition.

“NPR Science Friday with Ira Flatow,” 20 March 2009. D. B. Means interviewed for his expertise on the biodiversity of the Florida panhandle area and discoveries of new species in the wilds of northern South America, citing Means’s latest book, *Stalking the Plumed Serpent*.

"Life, Extraordinary Animals, Extreme Behavior." First aired in UK fall 2009; released in the US in 2010. One segment of the series is "Amphibians and Reptiles," an hour-long BBC documentary film featuring a 7-minute segment of two species of pebble toads, genus *Oreophrynella*, filmed in remote South America with D. B. Means as off-camera facilitator.

"Deadly 60, Series 3. Florida." BBC Bristol Productions with presenter Steve Backshall. 2012. D. B. Means facilitated an hour-long documentary about Florida's wildlife with D. B. Means on-camera for a 7-minute segment.

"Pebble Toad." National Geographic Explorer Moment of the Week. 2013, March 1-7. Photograph by Joe Riis who "...joined herpetologist Bruce Means on a 2012 expedition to study pebble toads and look for new frog species." <http://www.nationalgeographic.com/125/explorer-moment-of-the-week-gallery/>

"Return to the Tepuis." 2013. Jenny Nichols, Pongo Media Productions. A 9-minute documentary film about Dr. Bruce Means's descent into a 200-ft deep chasm on Weassipu Tepui in Guyana in search of a rare frog. Selected by the Telluride Mountain Film Festival for 2013; after showing in Telluride, CO., over the Memorial Day Weekend, film went on tour around the country. Also selected by the Banff Mountain Film Festival 2013, showing during 28 October-8 November and then toured the country.

"Pristine 'Islands in the Sky' are Window on Evolution." 28 September 2013. 1,750-word article by Brian Clark Howard about Bruce Means's research among tepuis of South America, with a 3 min, 33 second video embedded in it featuring Means and his discoveries with pebble toads. <http://news.nationalgeographic.com/news/2013/09/130928-tepuis-pebble-toads-biodiversity-evolution-science/#>

"Lost Worlds with Monty Halls and Leo Houlding, Rainforest episode." 13 February 2015. An hour-long video exploration of Guyana's remotest outback, including catching anacondas, matamata turtles, and carnivorous crabs on the Burro Burro River. D. B. Means captures and explains the exotic wildlife and ecology. DISCOVERY CHANNEL, first aired in the United Kingdom.

"Lost Worlds with Monty Halls and Leo Houlding, Waterfalls episode." 13 February 2015. An hour-long video exploring two of the world's most remote and least known giant waterfalls in the ancient Guiana Shield. D. B. Means captures and explains the exotic wildlife and ecology. D. B. Means captures and explains the exotic wildlife and ecology. DISCOVERY CHANNEL, first aired in the United Kingdom.

"Frog-Licking and Other Florida Wonders." Released 28 May 2015. Video for National Geographic from the Florida Wildlife Corridor's Glades2Gulf Trek. VIDEO.NATIONALGEOGRAPHIC.COM. Quote: "Many animal species rely on Florida's longleaf pine savanna ecosystem. Follow

herpetologist and former National Geographic grantee Bruce Means as he highlights some of the Florida Gulf Coast savanna's more intriguing inhabitants. " <https://scientific.wordpress.com/tag/bruce-means/> 3 minutes.

“In the Grass with the Eastern Diamondback Rattler.” Released 2 March 2017. Local Routes Episode 211, WFSU Public Media. 8-minute segment by Rob Diaz de Villegas, 3 March 2017. About Means’s research on the eastern diamondback rattlesnake ending with a plug for his new book on the species. <https://wfsu.org/local-routes/2017-03-03/in-the-grass-with-the-eastern-diamondback-rattler/>

“Disappearing Salamanders: New Research Aims to Solve a Decades-old Mystery.” Text and video article by Morgan Erickson-Davis. News.Mongabay.com, 27 December 2018. <https://news.mongabay.com/2018/12/disappearing-salamanders-new-research-aims-to-solve-a-decades-old-mystery>.

“Bruce Means Adventure and Research in the tepuis of the Guiana Shield.” WFSU Ecology Blog by Rob Diaz De Villegas, 12 April 2022. <https://blog.wfsu.org/blog-coastal-health/2022/04/research-and-adventure-in-guyana-bruce-means-reflects/>

“National Geographic documents rain forest expedition of Tallahassee naturalist Bruce Means.” Tallahassee Democrat article by Frank Stephenson, 16 April 2022. <https://www.tallahassee.com/story/life/communities/2022/04/16/documentary-tracks-bruce-means-expedition-tallahassee-tepui/7289603001/>

“Explorer: The Last Tepui.” National Geographic and Disney Channel Explorer new series. 2022. An hour-long documentary about Bruce Means’s last expedition to the tepuis of the Guiana Shield to complete a herpetological survey of the Paikwa River Basin between Mts. Roraima and Weiassipu, Guyana. Began streaming on International Earth Day, 22 April 2022.

OTHER SIGNIFICANT RESEARCH

Andre Francoeur and Edward O. Wilson. 1974. Ants of the *Formica fusca* group in Florida. The Florida Entomologist 57(2):115-116. Research paper strongly credits D. B. Means as making this discovery with E. O. Wilson at the Apalachicola bluffs and ravines in April 1973. ??check authorship order??

Gates, Gordon E. 1977. More on the earthworm genus *Diplocardia*. Megadrilogica 3(1):1-49. Description of *Diplocardia meansi*, the second largest diplocardian earthworm in the United States and Canada named for D. B. Means, its discoverer.

Reynolds, John W. 1980. The earthworm family Sparganophilidae (Annelida, Oligochaeta) in North America. Megadrilogica 3(12):189-211. Description of *Sparganophilus meansi*, an aquatic earthworm named for D. B. Means, its discoverer.

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