

CURRICULUM VITAE

Name: George Rubright Cline E-mail: gcline@jsucc.jsu.edu
Address: Biology Department Telephone: (256)782-5798
Jacksonville State University (256)782-5587 FAX
700 Pelham Road North
Jacksonville, AL 36265-9982

EDUCATION

1982-1990 - Oklahoma State University, Stillwater, OK. Ph.D. in Zoology.
1975-1979 - Indiana University of Pennsylvania, Indiana, PA . Bachelor of Science.

TEACHING EXPERIENCE

Professor – Jacksonville State University, Jacksonville, AL Fall 2004- Present
Associate Professor – Jacksonville State University, Jacksonville, AL Fall 1997- Present
Assistant Professor - Jacksonville State University, Jacksonville, AL. Fall 1992 - 1997.

SELECTED PUBLICATIONS

- 2005 – Cline, G.R. *Hyla chrysoscelis*, Cope's gray treefrog. Pp. 449-452. IN: Population Declines: The conservation status of United States Species. Michael Lannoo, Ed. Univ. California Press, Berkeley and Los Angeles, CA. 1094 pp.
- 2005 – Cline, G.R. *Hyla versicolor*, Eastern gray treefrog. Pp. 458-461. IN: Population Declines: The conservation status of United States Species. Michael Lannoo, Ed. Univ. California Press, Berkeley and Los Angeles, CA. 1094 pp.
- 2004 - Cline, G. R. Eastern Hellbender. Pp 20-21. IN: Alabama Wildlife, Vol. 3: Imperiled Amphibians, Reptiles, Birds, and Mammals, R. E. Mirarchi, M. A. Bailey, T. M. Haggerty, and T. L. Best, Ed. Univ. Alabama Press. Tuscaloosa, AL. 225 pp.
- 2004 - Cline, G. R. Green Salamander. Pp 29-30. IN: Alabama Wildlife, Vol. 3: Imperiled Amphibians, Reptiles, Birds, and Mammals, R. E. Mirarchi, , M. A. Bailey, T. M. Haggerty, and T. L. Best, Ed Univ. Alabama Press. Tuscaloosa, AL. 225 pp.
- 2004 – Cline, G. R. Eastern Hellbender. Pp. 148-149. IN: Alabama Wildlife, Vol. 4: Conservation and Management Recommendations for Imperiled Wildlife. R. E. Mirarchi, M. A. Bailey, J. T. Garner, T. M. Haggerty, T. L. Best, M. Mettee, And P. O'Neill. Univ. Alabama Press, Tuscaloosa, AL. 221 pp.
- 2004 – Cline, G. R. Eastern Hellbender. Pp. 152. IN: Alabama Wildlife, Vol. 4: Conservation and Management Recommendations for Imperiled Wildlife. R. E. Mirarchi, M. A. Bailey, J. T. Garner, T. M. Haggerty, T. L. Best, M. Mettee, And P. O'Neill. Univ. Alabama Press, Tuscaloosa, AL. 221 pp.
- 2003 - Blackwell, E. A., R. A. Angus, G. R. Cline, and K. R. Marion. Natural Growth Rates of *Ambystoma maculatum* in Alabama. *Journal of Herpetology*. 37(3):608-612.
- 2003 Tumlison, R., and G. Cline. Association between the Oklahoma salamander (*Eurycea tynerensis*) and Ordovician-Silurian strata. *Southwestern Naturalist*. 48(1):93-95.
- 2002- Tumlison, R., and G. Cline. Food habits of the banded sculpin (*Cottus carolinae*) in Oklahoma with reference to predation on the Oklahoma Salamander (*Eurycea tynerensis*). *Proc. Okla. Acad. Sci.* 81:111-113.
- 2002 - Al-Hamdani-S., P. B. Nichols, and G. R. Cline. Seasonal changes in the spectral properties of Mountain Laurel (*Kalmia latifolia*) in North East Alabama. *Castanea* 67(1):25-32.
- 2001 – Cline, G. R. and C. R. Tumlison. Distribution and relative abundance of the Oklahoma salamander (*Eurycea tynerensis*). *Proc. Oklahoma Acad. Sci.* 81:1-10.
- 1997 - Tumlison, R. and G. R. Cline. Further notes on the habitat of the Oklahoma salamander (*Eurycea tynerensis*). *Proc. Oklahoma Academy of Science* 77:103-106.
- 1990 - Tumlison, R., G.R. Cline, and P. Zwank. Notes on the behavior of the Oklahoma salamander (*Eurycea tynerensis*). *Bull. Chicago Herp. Soc.* 2(3):47-48.
- 1990 - Tumlison, R., G.R. Cline, and P. Zwank. Habitat selection by the Oklahoma salamander

- (*Eurycea tynnerensis*). Herpetologica 46(2):165-171.
- 1990 - Tumblison, R. G.R. Cline, and P. Zwank. Prey selection in the Oklahoma salamander (*Eurycea tynnerensis*). J. Herpetology 24(2):222-225.
- 1990 - Tumblison, R., G.R. Cline, and P. Zwank. Morphological discrimination between the Oklahoma salamander (*Eurycea tynnerensis*) and the graybelly salamander (*Eurycea multiplicata griseogaster*). Copeia 1990(1):242-246.
- 1989 - Cline, G.R., R. Tumblison, and P. Zwank. Biology and ecology of the Oklahoma Salamander (*Eurycea tynnerensis*): Literature review and research needs. Bull. Chicago Herp. Soc. 24(9):164-169.

MANUSCRIPTS IN PRESS

- Blair, B., G., G. R. Cline, and W. R. Bowen. How-To-Do-It: NSF-Style Peer Review for Teaching Undergraduate Grantsmanship. The American Biology Teacher. Accepted October 2004.

SELECTED PRESENTATIONS & WORKSHOPS

- 2000 - Romano, F.A., and G.R. Cline. Preliminary results of a survey of leaf litter tardigrades from Hawk Mountain Sanctuary, Kempton, PA. Assoc. SE Biologists, Chatt., TN, 5-8 April.
- 2001 - Cline, G.R., and F.A. Romano, III. Response characteristics of the Shannon-Weiner diversity index. Assoc. SE Biologists New Orleans, LA. 4-6 April.
- 2001 - New approaches and techniques for teaching science: Addressing environmental problems to stimulate undergraduate learning. NSF Teaching Workshop. 8-12 Aug.
- 2002 - Benjie Blair and George Cline. Teaching Critical Thinking: Student Evaluation of Peer Grant Proposals. Assoc. Southeastern Biologists, Appalachian State Univ. Boone, NC, 10-13 April.
- 2002- Greibling, K.R., R. Shurette, G.R. Cline, and J. Rayburn. The developmental toxicity of commercial formulations of Roundup and Diazinon using frog embryos. Assoc. SE Biologists, Appalachian State Univ., Boone, NC, 10-13 April.
- 2004 - Cline, Hamissou, Meade, Rayburn, Romano. Preliminary notes on the biology of the freshwater jellyfish (*Craspedacusta sowerbii*) in northeastern Alabama. Assoc. SE Biologists, Memphis, TN 14-17 April .
- 2004 - Cline, Carter, Adams. Analysis of calling frog communities in northeastern Alabama. Assoc. SE Biologists, Memphis, TN 14-17 April
- 2004 - D. Delecki, A. Delecki, Cline. Patterns in carapace shape among multiple turtle species. Assoc. SE Biologists, Memphis, TN 14-17 April.
- 2004 - A. Delecki, Cline, Rayburn, D. Delecki. Distribution of hellbenders (*Cryptobranchus alleganiensis*) in Alabama. Assoc. Southeastern Biologists, Memphis, TN 14-17 April.
- 2005 - Cline, GR and JR Rayburn. Amphibian Biomonitoring: Population Monitoring Approaches. SE SETAC, DISL
- 2005 - Cline, GR. Workshop: Estuarine Biology. SE SETAC, DISL
- 2005 - Moser, Bernice M., George R. Cline, and James R. Rayburn. A proposed plan for the determination of potential estrogenic effects in local watersheds of Alabama using *Xenopus* and *Necturus*. SE SETAC, DISL
- 2005 - Delecki, Anissa, George Cline, Mark Meade, and James Rayburn. Metabolism in 24 hr old Cope's Gray treefrog (*Hyla chrysoscelis*) larvae among three temperatures. Assoc. SE Biologists, Univ. North Alabama, Florence, AL.
- 2005 - Moser, Bernice, and J. Rayburn, Evaluation of the developmental toxicity of pseudoephedrine-caffeine interaction using FETAX. BBB Southeastern Region District II meeting in Florence AL
- 2005 - Rayburn, James R., Gala L. Bynum, George R. Cline, Frank A. Romano III, and Mitijitaba Hamissou. Sperm morphology of the freshwater jellyfish *Craspedacusta sowerbyii*. Assoc. SE Biologists, Univ. North Alabama, Florence, AL.
- 2005 - Bernice Moser and James Rayburn, Frogs on herbal ecstasy. Alabama Academy of Sciences, Birmingham, AL
- 2005 - Delecki, Anissa, George Cline, Mark Meade, and James Rayburn. Metabolism in 24 hr old Cope's Gray treefrog (*Hyla chrysoscelis*) larvae among three temperatures. Alab. Acad. Sci., Birmingham Southern Univ., Birmingham, AL.
- 2005 - Delecki, David, Anissa Delecki, and George Cline. Variations in North American turtle shell shape. Alab. Acad. Sci., Birmingham Southern Univ., Birmingham, AL.
- 2005 - G. Cline, Historic distribution of the hellbender in Alabama. 2nd Hellbender Symposium, Lakeview, AR.

SELECTED AWARDS

- 2005 - US Forest Service, Interpretive Program of the Year
- 2005 - US Forest Service, Regional Forester's Excellence in Technology Transfer
- 2004 - JSU Alumni Assn., Outstanding Faculty of the Year

SELECTED GRANTS

- 1994 - NASA EPSCoR - The use of Landsat imagery to assess characteristics associated with land cover type as a component of the hydrology of the middle Coosa River in Northeastern Alabama. Co-Cluster leader for State Grant, Co-PD for JSU effort. Amt. \$465,663 over 3 years.
- 1995 - Alabama Environmental Council - MRI analysis of dolphin head morphology with special attention on the development of circulatory retes. Amt. \$6,600 w/Durrant and Barnwell.
- 1996 - A biotic survey of Choccolocco Creek. Natural Resources Conservation Service. \$14,820 Whetstone, Romano, and Cline.
- 1996 - Hawk Mountain Sanctuary Association - An amphibian survey of Hawk Mountain Sanctuary, Pennsylvania. \$6,000. Cline and Rogers.
- 1996 - Department of Defense - An amphibian and Reptile survey of Fort McClellan, Alabama. Amt. Received \$12,771. Cline and Adams.
- 1998 Survey of historic sites of the green salamander, *Aneides aeneus*, in Alabama. Alabama Dept. of Conserv. Nat. Res. w/ Davis \$3,434.97.
- 1998 Faculty Research Grant, JSU - Survey of Oral Deformities in Anuran tadpoles in Calhoun County, Alabama. \$1,400.
- 2004 Faculty Research Grant – Survey of mudpuppies in Terrepin Creek, in northeastern Alabama. \$2600
- 2005 Alabama Dept. Conserv. Nat. Res./USFWS Sec. 6. – Survey of historic sites of the Hellbender, *Cryptobranchus alleganiensis*, in northern Alabama. \$39,000