

Michael A. Seymour
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Education:

- 2002-present Louisiana State University, College of Agriculture, Baton Rouge, Louisiana. Progress towards Master's of Science – Entomology
- 1997-2001 Louisiana State University, College of Basic Sciences, Baton Rouge, Louisiana. Bachelor of Science – Biological Sciences
GPA 3.65
- 1993-1997 Scotlandville Magnet High School for the Engineering Professions, Baton Rouge, Louisiana.
GPA 4.2

Professional Experience:

- 2002-present Red Imported Fire Ant Laboratory, LSU AgCenter, Baton Rouge, Louisiana, *research associate*.
- acted as GIS coordinator responsible for all GIS application in lab
 - managed personal GIS geodatabase
 - programmed data dictionaries for use on Trimble's GeoExplorer 3c
 - produced publishable maps of study sites using ESRI's ArcView 3.2a
 - managed five undergraduate student workers
 - assisted graduate students and other research associates in various field projects including studies regarding ants and microsporidia and ants' impacts on native fauna
 - assisted in installation of pitfall traps and arrays for herpetofauna
 - involved in all stages of several pesticide field experiments: pre-treatment, treatment, and post-treatment including application of several different pesticides
 - photographed several ant species for use in lab publications and presentations and on the lab website. Equipment used included Canon D30 and D60 digital SLRs with Canon MP-E 65mm f/3.5 and Canon MP-24 flash, Canon G3, Nikon Coolpix 5000, and Olympus 750 digital camera mounted on an Olympus SZX12 stereo-microscope
- 2001-2002 The Nature Conservancy of Louisiana, Baton Rouge, Louisiana, *independent contractor*.
- interpreted historical documents such as surveyor field notes and maps
 - built database of witness trees for comparison studies

- 1999-2000 Louisiana Natural Heritage Program, Louisiana Department of Wildlife and Fisheries, Baton Rouge, Louisiana, *data technician*.
- reviewed construction permits to determine environmental impacts on rare/threatened/endangered species; included examination of hardcopy maps and digital maps in ArcView 3.x
 - imported files into ArcView 3.x for mapping and manipulation
 - maintained Biological Conservation Database (BCD)
 - maintained and prepared maps for General Mapping Files of rare/threatened/endangered species
- 1997-2001 Louisiana State University, Museum of Natural Science, Baton Rouge, Louisiana, *undergraduate student worker*.
- prepared, identified, and cataloged bird specimens and assisted in maintenance of museum collections
 - assisted in undergraduate ornithology course field trips
- 1997-1998 Louisiana Natural Heritage Program, Louisiana Department of Wildlife and Fisheries, Baton Rouge, Louisiana, *data technician*.
- assisted in surveys of rare Louisiana crawfish species and in surveys of rare/threatened/endangered mussel species
 - trapped, tagged, and released reptiles for population studies
 - maintained Biological Conservation Database (BCD)
 - prepared and maintained maps for General Mapping Files of rare/threatened/endangered species
- 1996 Camp Avondale, Boy Scouts of America, Clinton, Louisiana, *Ecology/Conservation Instructor*.

Volunteer Experience:

- 2002 Guest speaker at Louisiana Hikers' Club; introduced members to digital photography in outdoor applications
- 2000 Co-complier of the Baton Rouge Christmas Bird Count
- 1998 Seabird observer and habitat surveyor onboard the *Gyre*, a Texas A&M University research vessel
- 1996 Volunteer at Greater Baton Rouge Zoo and Vice-President of Greater Baton Rouge Zoo Explorer Post
- 1994 Volunteer at Louisiana State University Museum of Natural Science; prepared over 100 bird specimens
- 1993-2003 Volunteer for National Audubon Society's Christmas Bird Counts

Skills:

- Certified “Air Operations Area” driver at Greater Baton Rouge Metropolitan Airport
- Nature photographer with slide and digital image archive of more than 15 000 natural history images, many of which have been published
- Photography editor
- Digital darkroom editor
- GIS specialist
- Interpreter of historical documents

Programs:

ArcView GIS 3.2, GPS Pathfinder Office 2.7, Image-Pro Plus 4.5, Adobe Photoshop 6.0, MS Office Suite

Equipment:

Trimble GeoExplorer 3c, Garmin GPS, Magellan GPS, Canon D30 and D60 DSLRs, Canon G3, Canon EOS system, Nikon Coolpix 5000, Nikon Coolscan IV and 4000ED

Written publications:

Seymour, MA & LM Hooper-Bùi. 2003. Fire on the Mound: A study of the life and times of Louisiana’s Red Imported Fire Ants. Louisiana Conservationist Magazine. May/June.

Photographs in publications and other works:

Cline, AR. (in prep). A new species of *Anthonaeus* Horn (Coleoptera: Brachypteridae) from Baja California, with a redescription of *A. agavensis* (Crotch). Proc. Entomological Soc. of Washington.

Cline, AR (in prep). A new species of *Psilotus* Grouvelle (Coleoptera: Nitidulidae) from Peru, with new distribution records for *P. atratus* Reitter, *P. carbonicus* Erichson, *P. cornutus* (F.), and *P. ventralis* Erichson. Proc. Entomological Soc. of Washington.

Cline, AR (in prep). A revision of the genus *Pocadius* Erichson (Coleoptera: Nitidulidae: Nitidulinae). Louisiana State University.

Dash, ST, MA Seymour & S Clayton. (in prep). An Online Resource to the Taxonomy of Ants in Louisiana. www.lsu.edu/ants

Seymour, MA & ST Dash. 2003. Insect Antennae: Their Forms and Functions.

Seymour, MA & LM Hooper-Bùi. 2003. Fire on the Mound: A study of the life and times of Louisiana’s Red Imported Fire Ants. Louisiana Conservationist Magazine. May/June.

Richman, DL & LM Hooper-Bùi. 2003. Mystery Solved? Pest Control Technology. June. LSU AgCenter, Red Imported Fire Ant homepage. www.lsu.edu/ants

Ernst, Jimmy. 2003. Birding Basics. Louisiana Conservationist Magazine. March/April.

Front cover. 2002. Louisiana Conservationist Magazine. November/December.

Eskine, Steve. 2002. Nature in Action. Louisiana Conservationist Magazine. November/December.

Collins, Janice. 2002. Ivory Dreams: King of the Woodpeckers. Louisiana Conservationist Magazine. May/June.

Staff writer. 2002. Snowy Egret. Louisiana Conservationist Magazine. May/June.

Staff writer. 2002. Gopher Tortoise. Louisiana Conservationist Magazine. March/April.

- Back cover.* 2001. Louisiana Conservationist Magazine. September/October.
- Ward, Larry. 2001. A Clean Bill: The Rescue of an Anhinga. Louisiana Conservationist Magazine. May/June.
- Staff writer.* 2001. American Anhinga. Louisiana Conservationist Magazine. May/June.
- Staff writer.* 2001. Ben's Creek Wildlife Management Area. Louisiana Conservationist Magazine. March/April.
- Venable, Rita. 2000. Mourning Doves. Louisiana Conservationist Magazine. September/October.
- Staff writer.* 2000. Ruby-throated Hummingbird. Louisiana Conservationist Magazine. September/October.
- Back cover.* 2000. Louisiana Conservationist Magazine. July/August.
- Wiedenfeld, David A. and M. Mark Swan. 2000. *Louisiana Breeding Bird Atlas*. Louisiana Sea Grant College Program, Louisiana State University, Baton Rouge. 78 pp.
- Staff writer.* 1999. Weather or Feather: Radar Tools Instrumental in Tracking Birds. The Nature Conservancy of Louisiana's Louisiana Legacy. Summer.

Honors and Awards:

- 2001 Louisiana Photographic Society's Photographer of the Year in Color Prints
- Dean's List for Fall 2001, Spring 2001, Spring 2000, Fall 1999, Spring 1998, Fall 1997. College scholarships
- LSU Honors Scholarship and Chancellor's Aide Student Job
 - Louisiana TOPS Scholar
- 1997 The Outstanding Senior of Scotlandville Magnet High School for the Engineering Professions
- Junior Science and Humanities Symposium: *The Diets of Seven Neotropical Raptor Species (new data)*
- Recognized by The United States Army, Navy, and Air Force for original, outstanding research
 - Chosen to attend national competition in Raleigh, NC
 - Named "Honorary Mayor-President of City of Baton Rouge, Parish of East Baton Rouge"
 - Certificate of Appreciation from Mayor-President of City of Baton Rouge
 - Certificate of Appreciation from East Baton Rouge Parish School Board

References available upon request.