

Curriculum Vitae

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1.1 History of Assignments:

80% Research
20% Teaching

Dr. Linda Hooper-Bùi was appointed to Assistant Professor in the Department of Entomology on 1 November 1998. She was hired to be the “Fire Ant Entomologist” and to develop a comprehensive research program on ants. She was asked to participate in the education of Entomology graduate students and undergraduate students from many departments who take entomology classes. She has developed (or co-developed) and/or taught 8 classes since arriving at LSU. Dr. Bùi has developed an undergraduate research program that has had 1-3 students working on small research projects, and she has mentored these new scientists to create hypothesis and test them with rigorous experimental design. Two of these students have presented at national scientific meetings. Her research program on fire ants has attracted graduate students, research associates, and post doctoral researchers from the North America and Europe. These researchers have published their work and presented at national and international meetings. She is active on committees in the Entomology Department, in the College of Agriculture, and in Professional Societies.

1.2 Teaching:

1.2.1 Documentation of Teaching Activities:

1.2.1.1 Teaching Evaluations¹:

	Fall 2000	Spr. 2001	Spr. 2002	Fall 2002	Fall 2002	Spr '03
	ENTM	ENTM	ENTM	ENTM	ENTM	ENTM
	7008	7008	4199	2001 (1)	2001 (2)	4199
Course Organization	4.4	3	4	3.47	4.33	4.56
Teaching Effectiveness						4.78
Motivates Students	4.4	4	4.2	4.33	4.56	
Course Excellent	4.6	4	4.2	4.2	4.33	4.67
Instructor Among Best	4.8	3	4.4	3.87	4.44	4.78
	4	3	4	3.67	4.22	4.33

¹Evaluations on a 5-point scale.

Selected Comments (in their entirety):

“For the first time class was taught, I believe the instructor did a superb job of teaching this class. Use of SB (semester book) was definitely beneficial. I believe the instructor enjoyed our class and this showed in the lectures. Field trips were beneficial and aided in the material taught. Addition of a lab, may make the course more complete.” ENTM 4199 Insect Ecology, Spring 2002

“I would highly recommend this class and the instructor to others. Dr. Bùi made the class extremely interesting and worthwhile. I feel I now have a well-rounded knowledge of insect ecology. ENTM 4199 Insect Ecology, Spring 2002

“Instructor is great. Content a little too much to digest. I would cut some of the info; this is a hard class” ENTM 2001 Insects in the Environment, Fall 2002

“Class was great” ENTM 2001 Insects in the Environment, Fall 2002

“Mrs. Bùi is an excellent teacher, made class fun. Always very excited. Lab was extremely interesting all the time.” ENTM 2001 Insects in the Environment, Fall 2002

“Innovative to make students interact. Not just lecture, but class directed learning” ENTM 4199 Insect Ecology Spring 2003

For additional information see attached.

1.2.1.2 Teaching History:1.2.1.2.1 *Courses Taught and Developed:*

Course No. (hours)	Title	Location	Date	Enrollment
Biology 316 (3)	General Entomology	CSU Long Beach	Spring 1997	11 Seniors & MS Students
Biology 316 (3)	General Entomology	CSU Long Beach	Spring 1998	17 Seniors & MS Students
Entomology/Biology 4016 (3) ¹	Insect Physiology	LSU Baton Rouge	Spring 2000	17 Seniors & Grad. Students
Entomology 7008 (2) ²	Seminar in Insect Ecology	LSU Baton Rouge	Fall 2000	5 Graduate Students
Entomology 7008 (2) ³	Seminar in Sociality in Insects	LSU Baton Rouge	Spring 2001	4 Graduate Students
Entomology 4199 (3) ⁴	Insect Ecology	LSU Baton Rouge	Spring 2002	6 Seniors & Grad. Students
Entomology 4199 (3) ⁴	Insect Ecology	LSU Baton Rouge	Spring 2003	10 Seniors & Grad. Students
Entomology 2001 (3) ⁵	Insects in the Environment	LSU Baton Rouge	Fall 2002	34 Sophomores, Juniors & Seniors
Entomology 2001 (3) ⁵	Insects in the Environment	LSU Baton Rouge	Fall 2003	25 Sophomores, Juniors & Seniors
Entomology 7008 (2) ⁶	Controversial Topics in Entom.	LSU Baton Rouge	Spring 2003	5 Graduate Students

¹In developing this course in Insect Physiology, I organized the lecture material and provided illustrations. I compiled and created a laboratory manual (10 experiments).

²Taught with Dr. Michael Stout. I co-developed this special topics course with Dr. Stout. We compiled and discussed papers that we considered “hot topics” such as cryptic coloration, GPS and GIS, etc. Mike and I brought in a couple of experts in those fields to compliment class discussions. Most discussions were lead by the students.

³I developed a seminar to study “Sociality in Insects”. This 2-hour class focused on the evolution, ecology and behavior of social insects. It culminated in a debate on H₀ = Sociality is driven by genetics. Students presented relevant literature to support this theory, while others provided literature to support the alternative theory that ecology and the environment is the driving force for the evolution of sociality.

⁴When I saw that Entomology students did not have access to an insect ecology course, I developed this 3-hour class to focus on the ecology of the insects with emphasis on behavior and physiology. Students also have a field project they complete to bring the concepts taught in the classroom to the reality of outdoors and this project has a service-learning component. I balance the use of lecture with Power Point slides and several active learning techniques such as cooperative learning. This course has three instructor-led field trips. This class will become Entomology 4040 after approval of Board of Supervisors. It has been

approved as a new course by the Entomology Department and College of Agriculture.

⁵In 2002, I created two lab sections because of high enrollment, and in 2003, I began to share the laboratory responsibility with Dr. Boris Castro. In Fall 2002, I changed the focus of the collection in this course to allow the course to be a service-learning course. Previously, the insect collection that each student created was typically thrown away at the end of the semester. Now the students choose a recipient for their collection. By the end of Fall 2003, 4-H and Parish agents and elementary and high school teachers will be using the collections for education. Additionally, collections will be on display at BREC's Bluebonnet Swamp, several golf courses' clubhouse, and two nature centers in Louisiana. I have added four field trips to the course. One Ph.D. student enrolled Fall 2002 and 2 MS students enrolled Fall 2003.

⁶Created and taught with Dr. Jim Ottea. I co-developed a 2-hour special topics course focusing on "Controversial Topics in Entomology." Students researched current controversial topics and gave oral presentations focusing on the topic and good oral communication skills.

Guest Lecturer:

1. Medical Entomology Spring 1999. "Fire Ant Venoms." Department of Entomology
2. Greenhouse Management Fall 2001. "Fire ant Quarantine in Nurseries" Department of Horticulture. I speak on insect control in nurseries, especially ants.
3. Greenhouse Management Fall 2003. "Fire ant Quarantine in Nurseries" Department of Horticulture.

1.2.1.2.2 *Graduate Committees:*

1. Anthony Pranschke, Chair of Master's committee (Graduated August 2001) Currently working for USDA-ARS in Stoneville, MS
2. Dee Coby, member of Ph.D. committee (Graduated Fall 2002)
3. Dean's Representative for Qiming Shao (Student of Dr. Rush), Department of Plant Pathology and Crop Physiology (Graduated January 2003)
4. Judy Jones, member of MS committee (Renewable Natural Resources – graduated Summer 2003)
5. Jessica Rosson, Chair of Master's committee – projected finish May 2004.
6. Keri Landry, Co-chair of MS committee with Dr. Michael Chamberlain, Renewable Natural Resources. Projected finish May 2004
7. Catherine Hobden, in Biological Science under Dr. Williamson. I serve as a member of her Master's committee. Projected completion October 24, 2003

8. Casey Barocco, member of MS committee (Entomology)
9. Michael A. Seymour, Chair of Master's committee
10. Shawn T. Dash, Chair of Master's committee
11. Kathryn S. O'Brien, Chair of Master's committee

1.2.1.2a Undergraduate research and independent study projects advised:

1. Christina Leonard: BS Chemistry May 2002 worked on food loads of fire ants, Argentine ants, and *Brachymyrmex*. Christina is an underrepresented minority (African-American, female) who currently works for Exxon. I presented her excellent research at a National meeting in December 2002. I am currently looking for an undergraduate to finish the project so that a high quality paper can be published.
2. Paul Mumma: BS Horticulture May 2003. Paul worked on Fire ant preference for different nursery media in collaboration with Dr. Ed Bush. Paul presented his work at two scientific meetings, and after he graduated, he worked as a temporary research associate in my laboratory. He is currently a graduate student in Plant Pathology and we are continuing to analyze his data and work on publishing his work.
3. Randi Hodges: Currently working on a BS in Horticulture. Randi conducted research on fire ant detection of contact insecticides. She presented her work at a National meeting in December 2002.
4. Kristin Prejean: Currently working toward a BS in Biology with a minor in Entomology. Kristin is working on answering the question: "Does bifenthrin run off of pine straw, pea gravel, and top soil?" She began this research summer 2003.
5. Co-advisor with Dr. Steven Hall of 4 Biological Engineering undergraduate students for the senior research project investigating ant bait station design. Academic year 2002-2003. They are applying for a patent on this bait station.

Awards won by supervised projects:

1. **E. Paul Mumma: Award: honorable mention (only award given)** for undergraduate research on "Effect of Potting Media on Fire Ant Colonization of Nursery Containers" presented at the Louisiana Plant Protection Association, Student Competition.
2. **E. Paul Mumma: Award: 2nd Place** for talk on "Effect of Potting Media on Fire Ant Colonization of Nursery Containers" presented at the American Society for Horticultural Science, Joseph B. Edmond Student Competition. 2 February 2003. Mobile, AL.

1.2.2 Publications related to instruction:

None

1.2.3 Publications related to instruction in press:

None

Submitted:

1. **L.M. Hooper-Bùi.** Service Learning in Entomology. Submitted to American Entomologist.

1.2.4 Participation in:

1.2.4.1 Professional meetings, symposia, workshops and conferences related to teaching (invited presentations in **bold**):

1. Attended NSF National Dissemination Workshop “New Approaches for Teaching Science: Addressing Environmental Problems to Stimulate Undergraduate Learning” in Arkadelphia, Arkansas. Attendance was based on a **competitive application**. NSF paid for all expenses once I arrived at the workshop.
2. “Service-learning in Entomology” poster presented at the Teaching in Higher Education Forum at Louisiana State University, Baton Rouge, La. April 2003.
3. **“Service-learning in Entomology”** oral presentation at the College of Agriculture Teaching Conference. January 2003.
4. Entomological Society of America Teaching Workshop. Attended workshop “Teaching Workshop on Cooperative Learning.” Fort Lauderdale, Fl. October 2002.
5. College of Agriculture Teaching Conference. Attended conference. January 2002.
6. **“Putting Entomology into Your Students’ Hands and Minds”** oral presentation, which was presented at the Formal Conference on Teaching at the National Entomological Society of America meetings in Nashville, TN. 1997.
7. **“Using Insects as Teaching Tools”** presented orally at High School Teachers’ Workshop at University of California, Riverside. 1993.

1.2.4.2 Local Instructional Activities:

See 1.2.1.2.1. Numbers. 2 and 3.

1.2.5 Other Instructional Activities or other contributions to the profession:

1.2.5.1 Membership in professional organizations:

1. National Science Teacher Association

1.2.5.2 Administrative Duties:

None

1.2.5.3. New teaching methods/material developed:

1. In fall 2002, I implemented service learning in an entomology class for the first time. As far as I know, this is the first time this has been done in an entomology class. See section 1.2.1.2.
2. I modified the SALG instrument (Student Assessment of Learning Gains). Using this technique, I make real-time adjustments to my teaching as the students assess their own learning through this anonymous, on-line survey tool I modified for the class (<http://www.wcer.wisc.edu/salgains/student/default.asp>, Course ID 714709000, Course password = lovebugs).

1.2.6 Awards, lectureships, or prizes that show recognition of teaching achievement:

1. 2003 Service-learning Incentive Grant from LSU Academic Affairs \$3000 for Service Learning in Entomology.
2. All students in Entomology 2001 and Entomology 4199 received letters of commendation from the university for recognition of their service during the class.
3. Ms. Jessica Rosson and Mr. Michael Seymour who served as my TA's for ENTM 2001 each received a letter of commendation from the university for recognition of their service and leadership as Teaching Assistants promoting service learning in Entomology 2001 in Fall 2002.
4. Mr. Lee Womack, one of my students in Entomology 2001 (2002) and 4199 (2003) received an award for "Excellence in Service-learning" for the leadership role he played during the projects conducted by both classes.
5. LSU Center for Academic Success recognized me in Fall 2003 for implementing service learning to meet one of the learning goals of the Louisiana State University National Flagship Action Agenda 2003-2010: Outcome 4 and Objective 3. See attached letter.

1.2.7 Research Support/Grant Activities Aimed at Advancing One's Ability to Teach:

1. LSU Campus Federal Credit Union Teaching Enhancement Fund \$200. For travel to NSF workshop: see 1.2.4.1. **Funded**
2. Couhig Pest Control -- \$500 grant-in-aid in support of Entomology 2001 Fall 2002 Service-learning project. **Funded.**
3. National Science Foundation CAREER grant: Integrating Insect Ecology Research into Interactive Teaching of Graduates and Undergraduates. Requested = \$738,451. Submitted July 2002: **Not funded.**

4. National Science Foundation CAREER grant: Fire Ant Influence on Soil Chemistry and Ant Diversity in Louisiana: Integrating Research and Teaching. Requested = \$813,859. Submitted in July 2003. **In review.**

1.3 Research and Creative Activity:

1.3.1 List of Research Publications:

1. **D.L. Richman and L.M. Hooper-Bùi.** 2003. Mystery Solved: New Talstar Research Points to Recruitment Suppression as Key Factor in Controlling Ants around the Perimeter of Structures. *Pest Control Technology*. June 2003. P. 84-87.
2. **M.A. Seymour and L.M. Hooper-Bùi.** 2003. Fire on the Mound: A Study of the Life and Times of Louisiana's Red Imported Fire Ant. *The Louisiana Conservationist*. May/June 2003. 3 Pages with 6 color photos.
3. **A.M. Pranschke, L.M. Hooper-Bùi, and B. Moser.** 2003. Efficacy of Bifenthrin Treatment Zones against Red Imported Fire Ant. *Journal of Economic Entomology*. 96:98-105.
4. **A.M. Pranschke and L.M. Hooper-Bùi.** 2003. Influence of Abiotic Factors on Red Imported Fire Ant Mound Population Ratings in Louisiana. *Environmental Entomology*. 32:204-207.
5. **L.M. Hooper-Bùi, A.G. Appel, and M.K. Rust.** 2002. Preference of Food Particle Size among Several Urban Ant Species. *Economic Entomology*. 95:1222-1228.
6. **L.M. Hooper-Bùi and M.K. Rust.** 2001. Oral Toxicity of Hydramethylnon to Individual Workers and Queens of Argentine Ants, *Linepithema humile*. *J. Pest Management Science (formerly Pesticide Science)*. 57:1011-1016.
7. **L.M. Hooper-Bùi.** 2001. Using Broadcast Granular Baits for Large-scale Fire Ant Management in Louisiana. *In: Integrated Pest Management in the Southern Region*. Edited by Bobby Pass[†] at University of Kentucky. P. 31-32.
8. **R. Boulay and L.M. Hooper-Bùi.** 2001. The Effect of Chlordimeform on the Foraging Activity of Red Imported Fire Ants, *Solenopsis invicta* (Buren) (Hymenoptera: Formicidae). *Sociobiology* 39:129-139.
9. **R. Boulay and L.M. Hooper-Bùi.** 2001. Oviposition and Oogenesis in Virgin Fire Ant Females *Solenopsis invicta* are Associated with a High Level of Dopamine in the Brain.. *Physiological Entomology*. 26: 294-299.
10. **L.M. Hooper-Bùi.** Fire Ant Control in Urban Areas. *Louisiana Agriculture* (Spring 2001). Volume 44(2):6-8. Online: http://www.agctr.lsu.edu/communications/LouisianaAgriculture/agmag/toc_44_2.htm.
11. **L.M. Hooper-Bùi and M.K. Rust.** 2001. The Sex Ratios of the Southern

Fire Ant, *Solenopsis xyloni* (Hymenoptera: Formicidae). Sociobiology 37(1) 53-63.

12. **L.M. Hooper-Bui and M.K. Rust. 2000.** Oral Toxicity of Abamectin, Boric Acid, Fipronil, and Hydramethylnon to Groups of Workers and Queens of the Argentine Ant, *Linepithema humile* (Mayr) J. Econ. Entomol. 93(3): 858-864.
13. **L.M. Hooper, M.K. Rust, and D.A. Reiersen. 1998.** Using Bait to Suppress the Southern Fire Ant on an Ecologically Sensitive Site (Hymenoptera: Formicidae). Sociobiology. 31(3): 283-289.
14. **L.M. Hooper and M.K. Rust. 1998.** Factors that Induce Emergence and Flight of *Solenopsis xyloni* (McCook) Alates. Sociobiology 32(1): 63-75.
15. **L.M. Hooper and M.K. Rust. 1997.** Food Preference and Patterns of Foraging Activity of the Southern Fire Ant, *Solenopsis xyloni* (McCook). Ann. Entomol. Soc. Amer. 90(2): 246-253.

1.3.1.5. Recordings:

None.

1.3.1.6. Miscellaneous:

Non-refereed Abstracts and Proceedings:

1. **L.M. Hooper-Bùi. 2002.** Precision Application Methods Affect Efficacy of Insecticides against Pest Ants. International Conference on Urban Pests. Charleston, SC. July 2002.
2. **L.M. Hooper-Bùi, H.M. Story, and J. Legendre. 2001.** "Management of Red Imported Fire Ant on Large-scale and Small-scale" Proceedings of the National Conference on Fire Ant Research Conference. San Antonio, TX.
3. **A.M. Pranschke and L.M. Hooper-Bùi. 2001.** Efficacy of Insecticide Barrier Width Treatments Against the Red Imported Fire Ant. Proceedings of the National Conference on Fire Ants Research Conference. San Antonio, TX.
4. **L.C. Calix and L. M. Hooper-Bùi. 2000.** Red Imported Fire Ant Attack of Quail Eggs in the Laboratory. Proceed. Red Imported Fire Ant Conf. Chattanooga, TN.
5. **L.M. Hooper-Bùi, A.M. Pranschke, and H.M. Story. 2000.** Area-wide Bait Treatments Compared with Individual Home-owner Treatments for

Red Imported Fire Ant Management. Proceed. Red Imported Fire Ant Conf. Chattanooga, TN.

6. **L.M. Hooper-Bùi, H.M. Story, and A.M. Pranschke. 2000.** “*Brachymyrmex patagonicus* and *B. depilis*: Unwelcome Housepests in Louisiana”. Proceedings of the National Conference on Urban Entomology. Fort Lauderdale, FL.
 7. **L.M. Hooper and M.K. Rust. 1998.** The Effect of Hydramethylnon and Fipronil on Food Flow Among Argentine Ants, *Linepithema humile* (Mayr) Proceed. Natl. Conf. Urban Entomology. San Diego, CA.
 8. **M.K. Rust and L.M. Hooper. 1998.** Food Flow and Trophallaxis Among Argentine Ants, *Linepithema humile* (Mayr). Proceed. Natl. Conf. Urban Entomology. San Diego, CA.
 9. **L.M. Hooper, M.K. Rust, & D.A. Reiersen. 1996.** The Control of *Solenopsis xyloni* (McCook), in a colony of Endangered California Least Terns, *Sterna antillarum browni* (Mearns). Proceed. Natl. Conf. Urban Entomology. Arlington, Texas.
 10. **L.M. Hooper, M.K. Rust & D.A. Reiersen. 1994.** Patterns of Foraging Activity of the Southern Fire Ant, *Solenopsis xyloni* (McCook), in a Colony of an Endangered Bird Species. Proceed. Natl. Conf. Urban Entomology, abstracts. Atlanta, GA.
- 1.3.1.7. Electronic Dissemination of Research:
Major contributor to web page: www.lsu.edu/ants
- 1.3.2. Accepted publications not yet published:
1. **L.M. Hooper-Bùi and M. K. Rust.** Sucrose and Casein Distribution, and Nutritional Hierarchy in Laboratory Colonies of Argentine Ants, *Linepithema humile* (Mayr). J. Insect Physiology (accepted) 23 ms.pp.
 2. **L.M. Hooper-Bùi, M.K. Rust, and D.A. Reiersen.** accepted. Predation of the Endangered California Least Tern, *Sterna antillarum browni* (Mearns) by the southern fire ant, *Solenopsis xyloni* (McCook). Sociobiology.
- 1.3.3. Publications submitted for review:
1. **L.M. Hooper-Bùi and A.M. Pranschke.** In review. Effect of Fipronil and Bifenthrin Treatment Zones on *Solenopsis invicta* Buren and Other Ant Activity around Eastern Bluebird, *Sialia sialis* L., Nest Boxes. Journal of Agricultural and Urban Entomology.

2. **L.M. Hooper-Bùi, M.J. Chamberlain, and J. Constible.** In review. Effect of fire ant presence in mammal traps on bait theft and trap success in 2 ecosystems in Louisiana. *The Southwestern Naturalist*.

1.3.4. Participation in Professional Meetings, Symposia, Workshops, and Conferences:

Invited Presentations:

1. "Plain Talk about Fire Ant Control" presentation to LSU Women's Faculty Club meeting. 16 September 2003.
2. "Ants of Louisiana" presentation for LSU Institute for PMP's. 21 July 2003.
3. "Unwelcome House Pests" presented to the Acadian Pest Control Association. Lafayette, La. 24 June 2003.
4. "Ants!" presented to the Southwestern National Pest Management Association Annual Meeting. 30-31 January 2003.
5. "Red Imported Fire Ant Research in Louisiana" presented to Dr. Eric Young, Executive Director of the Southern Association of Experiment Stations. 28 January 2003.
6. "Fire Ant Research in Louisiana" presented to the Southern Legislative Conference at the Citrus Research Station, La. January 2003.
7. "Serving Hot Meals to Ant – Unlocking the Secrets of Ant Nutritional Ecology" presented to the Department of Evolutional and Organismal Biology at Tulane University. 18 October 2002.
8. "Nocturnal Bugs, Carpenter ants, and Fire Flies" presented to BREC Observatory in Baton Rouge, La. 2 August 2002.
9. "Ants of Louisiana" presented to the LSU Institute organized by Gregg Henderson in conjunction with Louisiana Pest Control Association. 15 July 2002.
10. "Fire Ant Management in Louisiana: Biological, Chemical, and Cultural Controls" presented to US Congressional Staffers, Baton Rouge, La. 30 January 2002.
11. "Red Imported Fire Ant Research at LSU" presented at the Louisiana Pest Control Association's Annual Winter Conference. Baton Rouge, La. 16 January 2002.
12. "Ant Biology and Control" presented to the Texas Pest Control Association at their Annual Conference. 10 January 2002.
13. "Red Imported Fire Ant Research in Louisiana" presented to US Congressional Staffers, Baton Rouge, La. Sept 2001.
14. "Lice and Fire Ants" presented with Dr. Mike Perich to the LPCA Baton Rouge Chapter. September 2001.

15. "Control of Red Imported Fire Ants in Louisiana" presented to Orkin branch managers (Invited by Orkin and FMC), Biloxi, MS. July 2001.
16. "Ant Identification" presented to pest control operators at LSU Summer Institute. Baton Rouge, LA. July 2001.
17. "Review of all Methods of Control of Red Imported Fire Ants in the United States" presented to key pest control managers and industry leaders at the PCT/Aventis Ant Symposium. Tempe, AZ. May 2001.
18. "Pest Ants in the South" presented to B&G Chemical Pest Control Manager's Workshop. San Antonio, Texas. Jan 2001.
19. "Update on the Management of Red Imported Fire Ants in Louisiana" presented to Louisiana Pest Control Association's Annual Winter Conference. Jan 2001.
20. "Head Lice" presented to pest control operators at Greater Baton Rouge Pest Control Operators meeting. Baton Rouge, LA. September 2000.
21. "Red Imported Fire Ant Management for Louisiana" presented to Louisiana Livestock Advisory Committee. Alexandria, LA. May 2000.
22. "Fire and Argentine Ants: Pests in the South" presented to Georgia Pest Control Association. Athens, GA. January 2000.
23. "Nutritional and Physiological Ecology of Ants" presented to the Department of Entomology at University of Georgia, Athens. January 2000.
24. "Fire Ant Update and News on other House Infesting Ants" presented at the Louisiana Pest Control Association Winter Conference. Baton Rouge, LA. January 2000.
25. "Management of RIFA in Airport Lights and Runways" presented at the Louisiana Airport Manager's Association meeting. May 1999.
26. "Ant Identification School" presented to pest control operators at Louisiana Pest Control Association Master Pest Control Technician's Workshop. Baton Rouge, LA. May 1999.
27. "Fire Ant Management for Louisiana" presented to the Louisiana Senate Agricultural Committee. Baton Rouge, LA. March 1999.
28. "Fire Ant Update" presented to the Louisiana Senate Agricultural Committee. Baton Rouge, LA. January 1999.
29. "An Update on Research on the Red Imported Fire Ant at LSU" presented at the Louisiana Pest Control Association Winter Conference. Baton Rouge, LA. January 1999.

30. "Trophallaxis and Nutrient Flow in Argentine Ant Colonies" presented at the Entomological Society of America Pacific Branch Graduate Student Symposium entitled Basic Research with Applied Implications. Honolulu, Hawai'i. June 1998. Also, Vice-Chair: Graduate Student Symposium on Applied Aspects of Basic Research at the 81st Annual Entomological Society of America Pacific Branch Meetings, Honolulu, Hawai'i. June 1998.
31. "The Nutritional Ecology and Effects of Toxicants on Colonies of Argentine Ants, *Linepithema humile* (Mayr)" presented at Department of Entomology, University of California, Riverside, CA. June 1998.
32. "Exploiting Nutritional Ecology for Baiting Ants " presented to the Department of Entomology at Louisiana State University. Baton Rouge, LA. May 1998
33. "Serving "Hot" Meals to Ants: Food Flow in Argentine Ant Colonies" presented at the 6th Annual Urban Pest Management Conference, University of California, Riverside. 1998.
34. "Tracing Nutrients and Toxicants through Argentine Ant Colonies: Using Liquid Scintillation Counting and Accelerator Mass Spectrometry" presented at the Student Seminar Day at University of California, Riverside. 1997.
35. "A New and Progressive Look at Ant Baits" presented at the 6th Annual Urban Pest Management Conference, University of California, Riverside. 1997.
36. "Toxicity of Hydramethylnon to Groups and Individuals of Argentine Ants" presented at the Student Seminar Day at University of California, Riverside. 1996.
37. "Does Particle Size Influence the Efficacy of an Ant Bait?" presented at the 5th Annual Urban Pest Management Conference, University of California, Riverside. 1996.
38. "Sex Ratios of the Alates of the Southern Fire Ant, *Solenopsis xyloni* (McCook)" presented at the Student Seminar Day at University of California, Riverside. 1995.
39. "Control of Southern Fire Ant, *Solenopsis xyloni* (McCook) in a Colony of Endangered California Least Terns *Sterna antillarum browni* (Mearns)" presented at the 4th Annual Urban Pest Management Conference, University of California, Riverside. 1995.
40. "Africanized Bees" presented at the Bourn's Science and Engineering Day, for high school juniors and seniors to encourage them to attend college. University of California, Riverside. 1994.
41. "Factors that Induce Appearance and Flight of Alates of Southern Fire Ant, *Solenopsis xyloni* (McCook)" presented at the Student Seminar Day at University of California, Riverside. 1994.

42. "Patterns of Foraging Activity of Southern Fire Ant, *Solenopsis xyloni* (McCook)" presented at the 35th Annual Entomology Conference, University of California, Riverside. 1994.
43. "Insects and You" presented at the Bourn's Science and Engineering Day, for high school juniors and seniors to encourage them to attend college. University of California, Riverside. 1993.

Invited Poster Presentations:

1. "Flow of Fipronil, Hydramethylnon, and Nutrients in Argentine Ant Colonies" presented at the 12th Annual University of California Toxic Substances Research and Teaching Program Research Symposium. Berkeley, CA. April 1998.
2. "Toxicity of Four Insecticides to Argentine Ants" presented at the 11th annual University of California Toxic Substances Research and Teaching Program Research Symposium. San Diego, CA. April 1997.

Submitted Presentations:

1. "Degradation of bifenthrin and deltamethrin on three substrates" presented at the Annual Entomological Society of America National Meeting in Fort Lauderdale, FL. November 2002.
2. "The Effect of Water Volume in Liquid Bifenthrin Applications on Fire Ant Control in Urban Areas." Presented at the 76th annual meeting of the Southeastern Branch of the Entomological Society of America. March 2002.
3. "Food Consumption in Argentine Ants, Fire Ants, and *Brachymyrmex*." Presented at the Annual Entomological Society of America National meeting in San Diego, CA. December 2001.
4. "Management of Red Imported Fire Ant on Large-scale and Small-Scale. Presented at the Annual Imported Fire Ant Research Conference. Feb. 2001.
5. "Fire Ant and Argentine Ant Control in Urban Areas of Louisiana" presented at the 75th Annual Meeting of the Southeastern Branch of the Entomological Society of America. March 2001.
6. "Nutritional Flow and Nutritional Hierarchy in Ants" poster presented at International Congress of Entomology. Foz do Iguassu, Brazil. August 2000.
7. "*Brachymyrmex patagonicus* and *B. depilis*: Unwelcome Housepests in Louisiana". Presented at the National Conference on Urban Entomology. Fort Lauderdale, FL. May 2000.

8. “Area-wide Bait Treatments Compared with Individual Home-owner Treatments for Red Imported Fire Ant Management” presented at the Red Imported Fire Ant Conference. Chattanooga, TN. April 2000.
9. “The Effect of Area-wide Broadcast Baiting for Red Imported Fire Ants on Non-target Ant Species” presented at the Southeastern Branch of the Entomological of America. Mobile, AL. February 2000.
10. “Red Imported Fire Ant Management: Is Area-wide Always Better?” presented at the Annual Entomological Society of America National meeting in Atlanta, GA. December 1999.
11. “Proposed Fire Ant Research at LSU” presented to Department of Entomology, LSU. September 1999.
12. “The Effect of Nutrients on Egg Production in Argentine Ant Queens” presented at the 1st annual Stanford University Ant Symposium. Stanford University, Palo Alto, California. May 1999.
13. “Using Accelerator Mass Spectrometry to Determine the Flow of Hydramethylnon and Fipronil in Colonies of Argentine Ants”. Presented at Entomological Society of America Pacific Branch meeting. Honolulu, Hawai’i. June 1998.
14. “The Effect of Hydramethylnon and Fipronil on Food Flow Among Argentine Ants, *Linepithema humile* (Mayr)” presented at the National Conference on Urban Entomology, San Diego, Ca, April 26-28, 1998.
15. “Food Flow and Trophallaxis Among Argentine Ants, *Linepithema humile* (Mayr)” presented at the National Conference on Urban Entomology, San Diego, Ca, April 26-28, 1998.
16. “Toxicity of Hydramethylnon and Fipronil to Argentine Ants, *Linepithema humile* (Mayr)” presented at the Annual Entomological Society of America National meetings, Louisville, Kentucky. December 1996.
17. “Does Particle Size Influence the Efficacy of an Ant Bait?” presented at the 80th Annual Entomological Society of America Pacific Branch Meetings, Big Sky, Montana. June 1996.
18. “The Control of *Solenopsis xyloni* (McCook) in a Colony of Endangered California Least Terns, *Sterna antillarum browni*

(Mearns)” presented at the National Conference on Urban Entomology, Arlington, TX. 1996.

19. “The Biology of the Southern Fire Ant, *Solenopsis xyloni* (McCook) and its Predation of the California Least Tern, *Sterna antillarum browni* (Mearns)” presented in defense of the Master’s Thesis at the University of California, Riverside. 1995.
20. “Patterns of Foraging Activity of Southern Fire Ant, *Solenopsis xyloni* (McCook)” presented at the Entomological Society of America Pacific Branch Meetings, Sparks, NV. 1994.
21. “Patterns of Foraging Activity of Southern Fire Ant, *Solenopsis xyloni* (McCook) in a Colony of an Endangered Bird Species” presented at the National Conference on Urban Entomology, Atlanta, GA. 1994.

Presentations by my Students, Post-docs or Research Associates:

1. **J.L. Rosson, and L.M. Hooper-Bùi.** “**Abiotic Factors Affecting *Solenopsis invicta* and *Brachymyrmex* sp. Populations**” Presented at the Ecological Society of America Annual Meeting in Savannah, Georgia. August 3-8, 2003.
2. **M.A. Seymour and L.M. Hooper-Bùi.** “Population estimates of red imported fire ant, *Solenopsis invicta* Buren: Mound numbers versus food traps” presented at the Ecological Society of America Annual Meeting in Savannah, Georgia. August 3-8, 2003.
3. **E.P. Mumma, L.M. Hooper-Bùi, and E.W. Bush.** “Effect of Potting Media on Fire Ant Colonization of Nursery Containers” presented at the Louisiana Plant Protection Association, Student Competition.
4. **E.P. Mumma, L.M. Hooper-Bùi, and E.W. Bush.** “Effect of Potting Media on Fire Ant Colonization of Nursery Containers” presented at the American Society for Horticultural Science, Joseph B. Edmond Student Competition. 2 February 2003. Mobile, Al.
5. **E.P. Mumma, L.M. Hooper-Bùi, and E.W. Bush.** “Effect of Potting Media on Fire Ant Colonization of Nursery Containers” poster presented at LSU Summer Undergraduate Research Forum. Baton Rouge, La. 29 July 2002.
6. **L. Allen, L.M. Hooper-Bùi and B. Lafleur.** “Effects of Red Imported Fire Ants, *Solenopsis invicta* Buren on Soil Chemistry in

Louisiana” poster presented at the Red Imported Fire Ant Conference in Palm Springs, Ca. April 2003.

7. **C.L. Carney, L.M. Hooper-Bùi, K. Prejean, J. Rosson, and H. Whitney.** “Degradation of Bifenthrin and Deltamethrin on Several Substrates” poster presented at the Red Imported Fire Ant Conference in Palm Springs, Ca. April 2003.
8. **B. Lafleur, M.A. Seymour and L.M. Hooper-Bùi.** “Green Islands – Nutrition and Predation: an alternative hypothesis” poster presented at the Ecological Society of America Annual Meeting in Tuscon, Az. August 2002.
9. **Seymour, M.** So you wanna be a digital nature photographer? Presented to the Louisiana Hikers Club, 2002.
10. **R.E. Hodges and L.M. Hooper-Bùi.** Bifenthrin and Fipronil: Repellent to Argentine and Fire Ants? Presented at the Annual Entomological Society of America National meeting in San Diego, CA. December 2001.
11. **H. Whitney and L.M. Hooper-Bùi.** “Low and High Rates of Bifenthrin applied to Large and Small-scale Plots to Reduce Large Infestations of Argentine Ants in Northwestern Louisiana” Presented at the Annual Entomological Society of America National meeting in San Diego, CA. December 2001.
12. **J.L. Rosson, L.M. Hooper-Bùi, D. Sanders, and M. Chamberlain.** “Protection of Quail from Red Imported Fire Ant Attack using Bait: Is it Efficacious and is it Necessary? Poster presented at the Annual Entomological Society of America National meeting in San Diego, CA. December 2001.
13. **A.M. Pranschke and L.M. Hooper-Bùi.** “The Use of Insecticidal Barrier Treatments for the Control of the Red Imported Fire Ant.” Department of Entomology Seminar. LSU. April 2001.
14. **H.M. Story and L.M. Hooper-Bùi.** “Pest Ants in the South” presented to B&G Chemical Pest Control Manager’s Workshop. Houston, Texas. Jan 2001.
15. **H.M. Story and L.M. Hooper-Bùi.** “Pest Ants in the South” presented to B&G Chemical Pest Control Manager’s Workshop. Dallas, Texas. Jan 2001.

16. **Boulay, R. and L.M. Hooper-Bùi.** Le fourragement chez *Solenopsis invicta*: interaction entre état de satiété et système octopaminergique (Foraging activity in *Solenopsis invicta*: interaction between state of satiety and octopaminergic control). Colloque annuel Section Française UIEIS. Dijon, France. September 2000.
17. **A.M. Pranschke and L.M. Hooper-Bùi.** “Effect of Red Imported Fire Ant Suppression on Populations of Other Ant Species” presented to Southeastern Branch of the Entomological of America. Mobile, AL. February 2000. Presenter A.M. Pranschke.
18. **H.M. Story and L.M. Hooper-Bùi.** “Sucrose flow in polygyne and monogyne colonies of *Solenopsis invicta*” presented to Southeastern Branch of the Entomological of America. Mobile, AL. February 2000. Presenter H.M. Story.
19. **R. Boulay and L.M. Hooper-Bùi.** “Quantification of biogenic amines in different castes of *Solenopsis invicta*” poster presented at the Red Imported Fire Ant Conference. Chattanooga, TN. April 2000.
20. **L.C. Calix & L.M. Hooper-Bùi.** “Red Imported Fire Ant Attack of Quail Eggs in the Laboratory” presented at the Red Imported Fire Ant Conference. Chattanooga, TN. April 2000. Presenter L.C. Calix.
21. **A.M. Pranschke.** “Fire ants” presented to Boy Scouts on campus. LSU. April 2000.
22. **A.M. Pranschke and L.M. Hooper-Bùi.** “Fire Ant Control in the Southeastern U.S.” presented to Orkin managers at Annual Orkin Regional Manager’s meeting sponsored by FMC and Whitmire. Mobile AL. August 2000. Presenter A.M. Pranschke.
23. **R. Boulay and L.M. Hooper-Bùi.** “Quantification of biogenic amines in different castes of *Solenopsis invicta*” poster presented at the International Congress of Entomology. Foz do Iguassu, Brazil. August 2000.
24. **H.M. Story and L.M. Hooper-Bùi.** “Food flow in polygyne and monogyne colonies of *Solenopsis invicta*” poster presented at the International Congress of Entomology. Foz do Iguassu, Brazil. August 2000. Presenter H.M. Story.
25. **A.M. Pranschke and L.M. Hooper-Bùi.** “The Effect of Abiotic Factors on Brood Location in Fire Ant Mounds” presented at the

Annual Entomological Society of America National meeting in Atlanta, GA. December 1999. Presenter A.M. Pranschke.

Meeting Attendance (other than those listed above):

1. ESA Southeastern Branch Meeting. March 2003. Baton Rouge, La.
2. USDA Fire Ant and Termite Workshop. 11 February 2003. New Orleans, La.
3. Red Imported Fire Ant Conference. April 2002. Athens, Ga.
4. Lawn and Landscape Magazine Round Table Meeting. New York, New York. 9-11 August 2002.

1.3.6. Awards

1. Orkin Award for Excellence in Research. 2001.

1.3.7. Other research Support/Grant Activities:

Grants Awarded:

Career Total Competitive Grants: \$215,330

Competitive:

1. **Louisiana State Board of Regents Grants for Research Competitiveness.** “Impact of Landscape-level Fire Ant Management on Insects, Amphibians, and Small Mammals in Louisiana. Requested \$128,500. Rank 1. Funded at \$111,000 for 3 years 2003-2005.
2. **University of California, Riverside.** “Screening Glassy-winged Sharpshooters for Egg Parasitoids in the Baton Rouge, La area. Co-PI’s Chris Carlton and L.M. Hooper-Bùi. Requested \$2000. Funded at \$2000.
3. **LSU College of Agriculture Undergraduate Research Grant.** “Effect of Potting Media Composition on Fire Ant Colonization of Nursery Containers.” \$2400 requested. Co-PI: Ed Bush. Student: Paul Mumma. Funded at \$2100.
4. **LSU College of Agriculture Undergraduate Research Grant.** “Perceived Mortality Risk: Learned Avoidance of Contact Insecticides by Red Imported Fire Ants.” Requested \$2200. Student: Randi Hodges. Funded \$1650.
5. **Louisiana State Rural Development Fund.** Research on “Red Imported Fire Ant Management for Louisiana” Lead Investigator: L.M. Hooper-Bùi, Co-authors: D. Boethel, L. Rogers. Requested \$40,000. Received \$44,000 for 7/00-6/01.
6. **Entomological Society of America Travel Grant.** Travel to International Congress of Entomology in Brazil. (\$1080 for August 2000).
7. **USDA NBCI.** “Biological Control of Red Imported Fire Ants with Ant Decapitating Flies. Lead Investigator: S. Johnson. Co-investigators: L.M. Hooper-Bùi and S. Porter. Requested \$15,000. Funded at \$13,500.
8. **University of California at Davis, Executive Committee of the Toxic Substance Research and Teaching Program** (\$20,000/year) 1996-1998. Research on “The distribution and fate of the insecticide hydramethylnon in Argentine ant colonies.” Principal Investigator: L.M. Hooper.

Non-Competitive:

1. **Louisiana State Legislature.** “Red Imported Fire Ant Management for Louisiana.” Total appropriation \$563,000, my portion \$180,010. Yearly award 2001-2003.
2. **Dupont.** Research on novel compounds for the control of fire ants. \$6000. (2002).
3. **Aventis.** Research on Fipronil in ants. \$53,000 (6/00-6/01).
4. **Bayer.** Research on effect of Bayer chemicals on fire ants \$7,200.
5. **FMC Corp.** Research on effect of Talstar on Fire ants and Argentine ants. Analysis of fate of Talstar in soil \$12,740.
6. **Orkin.** Research on novel baits to suppress ants. \$2450.
7. **Syngenta.** Research on novel compounds to suppress ants. \$11,000.
8. **Whitmire Microgen.** Research on ant baits \$5,000 03/01.
9. **Bayer.** Research on “Fire Ants and Argentine Ants.” (\$6,000 for 12/00-4/01)
10. **FMC.** Research on “Fire Ants and Argentine Ants.” (\$21,500 for 6/00-12/00).
11. **Scotts Co.** Research on Fire Ants. \$4,720 (9/00).
12. **Aventis Environmental Science.** Research on Fire Ants. \$19,000 (9/00).
13. **Whitmire Microgen.** Argentine Ant Research \$5000 (9/00).
14. **Louisiana State Board of Regents.** Research on “Red Imported Fire Ant Management for Louisiana” Lead Investigator: L.M. Hooper-Bùi, Co-authors – J. Fuxa, S. Johnson, L. Foil. (\$175,000 for 1 year) 2000-2001.
15. **Louisiana State Legislature.** Research on “Red Imported Fire Ant Management for Louisiana” Lead Investigator: L.M. Hooper-Bùi, Co-authors – J. Fuxa, S. Johnson, L. Foil. (\$350,000 for 1 year) 1999-2000.
16. **Rhône-Poulenc.** Research on “Field test of experimental compounds”. \$6,000. Principle Investigator: L.M. Hooper-Bùi. 1999.
17. **St. Gabriel Laboratories.** Research on “All-natural Flea, Ant, and Tick Powder.” \$1,500. Principle Investigator: L.M. Hooper-Bùi. 1999.
18. **Griffin L.L.C.** Fire ant research in support of T. Pranschke. \$30,000. 1999-2001.

19. **Y-TeX.** Research on “Pyrethroid broadcast and spot treatments in pastures”. \$5,400. Principle Investigator: L.M. Hooper-Bùi. Co-investigator: Lane Foil. 1999.
20. **California State University Doctoral Incentive Program** (\$10,000 per year) 1996-1998.
21. **The Clorox Service Co.** Research on “The distribution and fate of the insecticide hydramethylnon in Argentine ant colonies.” \$18,000/year, 1996-1998. Principal Investigator: M.K. Rust.
22. **Rhône-Poulenc.** Research on “The distribution and fate of the insecticide fipronil and nutrients in Argentine ant colonies.” \$10,000/year, 1996-1998. Principal Investigator: M.K. Rust.
23. **Orkin Pest Control Company.** Research on “The distribution and fate of nutrients and bait particles in Argentine ant colonies.” \$6,000. Principal Investigator: M.K. Rust.

Grants Pending:

Competitive:

1. National Science Foundation CAREER grant: Fire Ant Influence on Soil Chemistry and Ant Diversity in Louisiana: Integrating Research and Teaching. Requested = \$813,859. Submitted in July 2003. In review.

Grants Not Funded:

1. **Environmental Protection Agency Pesticide Environmental Stewardship Program.** “Detection and Prevention of Fipronil in Runoff from Nursery Pots Treated for Red Imported Fire Ants.” Requested \$39,942. Ranked 2 out of 10.
2. **National Science Foundations Faculty CAREER Grant.** Integrating Insect Ecology Research into Interactive Teaching of Graduates and Undergraduates. Requested \$738,451 for 5 years.
3. **Horticultural Research Institute.** Detection of the active ingredient fipronil in runoff from nursery pots treated for fire ants. Requested \$30,000 for 1 year. L.M. Hooper-Bùi and E.W. Bush.
4. **Horticultural Research Institute.** Effect of potting media composition on fire ant colonization of nursery containers. Requested \$4,000 for 6 months. L.M. Hooper-Bùi and E.W. Bush.
5. **J. Bennett Johnson Science Foundation.** “Fire ant effect on soil chemistry.” Requested \$5,000. June 2002. B. Lafleur and L.M. Hooper-Bùi.

6. **J. Bennett Johnson Science Foundation.** “Environmental Factors Affecting the Distribution of Argentine Ants, *Linepithema humile*, Red Imported Fire Ants, *Solenopsis invicta*, and Rover Ants, *Brachymyrmex* sp. in East Baton Rouge Parish, Louisiana.” Requested \$5,000 in June 2003. J. Rosson and L.M. Hooper-Bùi.
7. **California Association of Nurserymen.** “Implementation of Novel IPM Fire Ant Management Practices and Detection of Active Ingredients of Contact Insecticides and Insecticidal Bait in Runoff in Production and Retail Nurseries. (\$15,000/year for 3 years). Includes an industry match for at least year 1. \$15,700. Ed Bush Co-PI.
8. **California Department of Food and Agriculture.** “Implementation of Novel IPM Fire Ant Management Practices and Detection of Active Ingredients of Contact Insecticides and Insecticidal Bait in Runoff in Production and Retail Nurseries.” Lead PI: L.M. Hooper-Bùi. Co-investigator: E.W. Bush. Requested \$113,850. Funding Approved 6/01. California’s energy crisis caused the money to be redirected.
9. **Louisiana State Board of Regents Research Grant.** “Evaluation of the feasibility and the impact of landscape-level red imported fire ant management on floral and faunal communities.” Co-PI’s: L.M. Hooper-Bùi and M.J. Chamberlain. Requested \$158,500.
10. **USDA NBCI.** “Biological Control of Red Imported Fire Ants with Ant Decapitating Flies. Lead Investigator: S. Johnson. Co-investigators: L.M. Hooper-Bùi and S. Porter. \$15,000.
11. **Louisiana State Board of Regents Enhancement Grant.** “Using Spatial Technologies to Examine Landscape-level Effects of Red-imported Fire Ants on Faunal and Floral Communities.” Co-PI’s: M.J. Chamberlain and L.M. Hooper-Bùi. Requested \$50,000.
12. **Louisiana State Legislature.** Research on “Red Imported Fire Ant Management for Louisiana” Lead Investigator: L.M. Hooper-Bùi, Co-authors – J. Fuxa, S. Johnson, L. Foil. (\$350,000 for year 2) 2000-2001.
13. **USDA NBCI.** ” Lead Investigator: M. McMichael. Co-investigators: L.M. Hooper-Bùi, J. Fuxa, and H. Collins. \$11,500.
14. **Louisiana State Board of Regents.** Requested funds for the “Mississippi River Delta Environmental Health and Geospatial Sciences Center.” Lead Investigator: Jack B. Malone. Co-investigators: Richard Scribner, Oscar K. Huh, Kevin M. Kleinow, Martin E. Hugh-Jones, Arthur L. Penn, Kevin D. Robbins, R. Alexander Thompson, DeWitt H. Braud, Linda M. Hooper-Bùi, Doo Yoan Cho, and David L. Huxsoll, Requested \$5,237,454.
15. **NSF.** Research on “The Fate, Regulation, and Utilization of Nutrients, Food Flow, and Trophallaxis in Ant Colonies.” PI: Linda M. Hooper-Bùi. Requested \$105,467 for 2 years.

1.3.8. Thesis/Dissertations Directed (finished):

Anthony M. Pranschke, August 2001

1.3.8.a Thesis/Dissertations Directed (in progress):

1. Ms. Jessica L. Rosson
2. Mr. Michael A. Seymour
3. Mr. Shawn T. Dash
4. Ms. Keri Landry
5. Ms. Katie O'Brien

1.3.8.b Research Associates/ Post-Docs Directed

1. Ms. C. Roxanne Rutledge: Post-doc, Ph.D. Entomology LSU. She is currently on Faculty at University of Florida, Medical Veterinary Laboratory at Vero Beach. Jan 1999 – October 1999.
2. Mr. Raphael Boulay: Post-doc, Ph.D. Entomology Tours University, France. He is currently a post-doc in Seville, Spain. Jan 2000-Oct 2000.
3. Ms. L. Carolina Calix: Research Associate. MS Entomology, LSU. Currently a Lieutenant in the US Army in a Medical Entomology position. December 2000-June 2001.
4. Ms. Heather M. Story-Whitney. Research Associate. BA General Studies with minor in Entomology, LSU. Currently a pest management professional and Certified Pesticide Applicator. September 1999-July 2002.
5. Ms. Jessica Rosson. Research Associate. MS Entomology LSU anticipated 2004. Currently holds position as research associate in my laboratory and has worked for me since Jan. 1999.
6. Mr. Jonathan Legendre. Research Associate. BS Chemistry, LSU. Currently a high school chemistry teacher in Illinois. July 2000-June 2001.
7. Mr. Michael A. Seymour. Research Associate. BS Biology, LSU. Currently holds a position as research associate in my laboratory and has worked for me since March 2002.
8. Ms. Caren L. Carney. Research Associate. BS Microbiology, LSU. Caren is currently as LSU Veterinary School. December 2002-August 2003.
9. Ms. Laura Allen. Temporary Research Associate. BS Geology, Bates College, Lewiston, Maine. January-June 2003. Laura is currently a teacher for Teach for America in Phoenix, Arizona.

10. Mr. E. Paul Mumma. Temporary Research Associate. BS Horticulture, LSU. May 2003-August 2003. Paul is a MS student in Plant Pathology at LSU.

1.3.9 Major areas of research interest:

1. Fire Ant Ecology
2. Precision use of pesticides for fire ant management
3. Fire ant nutritional ecology and effect on soil chemistry
4. Ant diversity

See attached program narrative.

1.4. Service:

1.4.2. Recruitment of students and faculty

1. Participated in faculty interviews (4): Dr. Michael Perich 2001, Claudia Hussenader (2002), Collin Brent (2002), Anna Rachinsky (2002).
2. Participated in Dept. Head interviews. 3 in 2002.
3. Participated in high school student recruitment (March, April 2002).
4. Contact with potential students via phone or e-mail (15): Anthony Pranschke, Jennifer Murray, Karthik Ramaswamy, Jessica Rosson, Heather Story, Katie Barbara, Matt Auberchaun, Michael Seymour, Shawn Dash, Keri Landry, Benoit Lafleur, Russell Harris, Katie O'Brien, Albert Lee, Lee Womack.
5. Potential student visits (4): Anthony Pranschke, Jennifer Murray, Benoit Lafleur, and Albert Lee .

1.4.3 University Service:

Department of Entomology:

1. Department of Entomology Graduate Admissions Committee 2002-present
2. Seminar Committee 2000-2002.
3. Served as coach of LSU Entomology Linnaean Games Team (2000-2002). Team reached the semifinals in at SEB ESA meeting in 2000 and 2001.
4. Faculty Advisor for Plant and Soil Systems concentration in Urban Entomology June 2000-June 2002.

College of Agriculture:

1. College of Agriculture Dean's Conference on Teaching Improvement Planning Committee 2002-present.
2. College of Agriculture Courses and Curriculum Committee July 2001 to present.

1.4.4. Professional Service

Industry and public:

1. Third Party Resource as a researcher with experience with fipronil for Lawn and Landscape magazine. <http://lawnandlandscape.com/marketplace/article.asp?MarketplaceID=172&artcile=3>.
2. Served as consultant (for no \$) for EPA for registration of fipronil as an ant bait and contact insecticide for control of RIFA. Participated in a national conference call in April 2001.
3. Developed an ant identification and information web page to help the citizens of Louisiana and other southern states identify pest ants. It is an especially good resource for pest control operators. Address: www.lsu.edu/ants.
4. Served as a consultant (for no \$) for Audubon Zoo in New Orleans for 23,000ft² Insectarium, specifically the swamp exhibit.
5. Put the Fire Out. Community-based red imported fire ant management in Historic Spanish Town section of Baton Rouge. Demonstrated area-wide fire ant management concepts for citizens of Louisiana. 1998-2000. Currently being promoted by Ms. Patty Beckley, extension associate.

Professional Societies:

1. Sigma Xi, the Scientific Research Society: Acting Secretary 2003-2004.
2. 2004 Red Imported Fire Ant Conference Planning Committee. Baton Rouge, La.
3. Moderator of Master's student paper competition ESA SEB meeting. Augusta, GA. Feb 2001.
4. Moderator of two paper sessions (AM and PM) during urban entomology session at National ESA meeting in San Diego Ca. Dec. 2001.
5. Moderator of MS paper session ESA SEB meeting, Little Rock, Arkansas March 2000.
6. Program Committee ESA SEB 2000 – 2002.
7. Entomology: A Town Hall Meeting at the National Conference on Urban Entomology. April 26-28, 1998 San Diego, CA. Dr. Roger Gold, Moderator.
8. UCR Entomology Graduate Student Association Representative 1996-1998; Vice President 1997-1998.

Television Interviews:

1. **“Put the Fire Out in Baton Rouge.”** Interview with Pamela Matassa and Leo Honeycutt. Discussed area-wide fire ant management. Aired 20 April 2000. Channel 33. (~3 min.)
2. **“Put the Fire Out in Baton Rouge.”** Interview with Todd Ross on 2-une In. Discussed area-wide fire ant management. Aired 21 April 2000. Channel 2. (~3 min.).
3. **“Rodman’s Rendezvous: Fire Ants”** by Bill Rodman. Aired August 11, 1999. Channel 9, Baton Rouge, LA. 1:20.
4. **“Red Imported Fire Ant Management for Louisiana.”** Video produced by Bobby Soileau, LSU Ag Center Communications.
5. **“Put the Fire Out”** by Mike Futrell. Ag Center Radio Release. Aired various times. 1999. 1:04; 1:05; and 0:57.
6. **“Answers to Fire Ant Questions”** with Andrea Clesi and George Ryan. Aired 8 October 1999. Channel 2, 5 o’clock News. (~5 min.)
7. **“Put the Fire Out in Spanish Town.”** 2une in with Leo Honeycutt. Aired April 16, 1999. Channel 2, Baton Rouge, LA. (~5 min.)

Selected Major Newspaper, Newsletter and Web Articles:

1. **Lawn and Landscape Magazine:** Fight Fire with Fire <http://www.lawnandlandscape.com/articles/article.asp?ID=2113&Adkeyword=Bui> Contribution: interview. July 2002.
2. **University of California Statewide Integrated Pest Management Program:** Key to Identifying Common Household Ants. Contribution: Photo of Southern Fire Ant. <http://www.imp.ucdavis.edu/TOOLS/ANTKEY/sfiremnd.html>.
3. **AgCenter Impacts:** LSU Scientists Take Aim at Red Imported Fire Ants www.agctr.lsu.edu/impacts/ants.pdf and in print. Contribution: Author.
4. **Claiborne Parish Agriculture News:** *Dursban Removal Won’t Have Crippling Effect; Other Alternatives Available for Home Pest Control* on the web at <http://www.agctr.lsu.edu/Inst/Extension/Parish/claiborne/claag.htm>. Contribution: Co-author.
5. **LSU AgCenter Urges City Dwellers To Unite for Fire Ant Control:** on the web at <http://www.agctr.lsu.edu/communications/LouisianaAgriculture>

/agmag/44_2_articles/citydwellers.htm. These descriptions are of the program I created here in Louisiana called "Put the Fire Out." Extension entomologists have taken the results from my laboratories experiments and brought them to the public. Spring 2001. Contribution: provided reference material and text.

6. **LSU Agricultural Center Fires Up Red Imported Fire Ant Research Team:** on the web at <http://www.agctr.lsu.edu/news/NewsArchive/1nws0304.htm>. 3/04/99. Contribution: Interview.
7. **University of California at Davis, Executive Committee of the Toxic Substance Research and Teaching Program Newsletter and Website.** Talkin' ants with Linda M. Hooper-Bùi (Part II). Written by Mika Pringle-Tolson. October 2000.
8. **The Advocate.** "Biting Back – Spanish Town Leads Fire Ant War" Tom Guarisco. Printed 5 July 2000. Contribution: Interview.
9. **The Advocate.** "Fire Fight – Group Attack Makes Big Dent In Ant Woes" by J. Taylor Rushing. Printed 23 April 2000. Contribution: Interview.
10. **The Advocate.** "Spanish Town Fire Ant Project a Success" by Ed Cullen. Photo by Linda M. Hooper-Bui. Printed August 13, 1999.
11. **The Times-Picayune.** "Aid to Fight Fire Ant Faces Uphill Battle" by Joanna Weiss. Page A1. Printed May 18, 1999.
12. **The Advocate.** "LSU Professor Waging War on Area Fire Ants" by Randy McClain. Page A1. Printed March 18, 1999.

Member:

1. Ecological Society of America
2. Georgia Entomological Society
3. Florida Entomological Society
4. Entomological Society of America
5. American Society for Training and Development
6. Sigma Xi (membership pending approval)

- 1.4.4.2 Journals edited, manuscripts refereed, books and proposals reviewed.
1. Subject Editor for Journal of Agriculture and Urban Entomology June 2002 to present.
 2. Reviewed numerous (>10) articles for Journal Economic Entomology
 3. Reviewed 5 articles for Journal of Agricultural and Urban Entomology
 4. Reviewed 1 article for Journal of Entomological Science
 5. Reviewed 1 article for Southwestern Entomologist
 6. Reviewed 1 article for Global Ecology and Biogeography
 7. Reviewed 1 USDA NRI grant as an ad hoc reviewer (March 2003)
 8. Reviewed 1 USDA T-STAR grant (2001)
- 1.4.5. Other External Service:
1. Science Fair Judge: High School District Championship April 2003. Judged two sessions.
 2. Volunteer for Greyhound Pets of America, Louisiana Chapter March 1999 – present. Raise awareness to plight of retired racer greyhounds. Perform education to encourage adoption.
 3. Volunteer and co-organizer for Amyotrophic Lateral Sclerosis Association (Lou Gehrig's disease) Benefit April 2002. Raised \$3,200.
 4. Volunteer for Leukemia and Lymphoma Society May 2001 – January 2003. Personal fundraising total \$10,700. Support and encourage LSU student, Evan Ortlieb, non-Hodgkin's Lymphoma patient.
 5. Volunteer for St. Jude Children's Research Hospital. January 2003 to present. Fundraising total \$1200.

Supporting Material

Current Course Syllabi
Letters of Commendation from Students
Selected Publications