

ANNUAL REPORT: June 1, 2012 – May 31, 2013
(i.e., Summer 2012, AY 2012-2013)
DEPARTMENT OF ENVIRONMENTAL AND FOREST BIOLOGY
SUNY-ESF

NAME: Stephen Teale

I. INSTRUCTIONAL ACTIVITIES

1. Regular Course Offerings

	<u>Course No.</u>	<u>Title</u>	<u>Credit Hrs.</u>	<u>No. Students</u>	<u>No. of Lab. Sections</u>
FALL:	EFB351	Forest Entomology	3	63	4
	EFB551	Forest Entomology	3	3	

2. Non-Scheduled Course Offerings (e.g., 496, 899, 999)

	<u>Course No.</u>	<u>Title</u>	<u>Credit Hrs.</u>	<u>No. Students</u>	
	EFB 495	Undergrad. Exp./ Coll. Teaching		1 cr.	1 student
	EFB 797	Methods in Insect Chemical Ecology (F '12)		1 cr	5 students
	EFB 898	Prof. Exp.		3 cr.	1 student

<u>Course No.</u>	<u>Title</u>	<u>No. of Lectures</u>
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II. STUDENT ADVISING

A. Number of undergraduates for whom you are the student's official advisor: 16

B. Graduate Students: (list name, degree sought, starting date, month & year; if a degree was completed, please give date and full citation for the thesis or dissertation).

MAJOR PROFESSOR

1. Wei Xiao, MPS, started Aug. 2009, completed May, 2013
2. Kevin O'Brien MPS, started Jan., 2011, completed December. 2012
3. Daniel Cucura, MS, started Aug. 2009
4. Sarah Pocock, MS, started Jan., 2011
5. Nicholas Helms, MS, started Jan. 2012
6. Kristen Doherty, MS, started Jan. 2013
7. Laura Hansen, PhD, started June 2012
8. Tian Xu, PhD, started August 2012
9. Alejandro Mieles, PhD, started August, 2012

CO-MAJOR PROFESSOR

1. Jonathan Cale, PhD

MEMBER, STEERING COMMITTEE (other than those listed above)

1. Justin West, MS
2. Kim Adams, PhD

CHAIRMAN OR READER ON THESIS EXAMS, ETC.

III. RESEARCH COMPLETED OR UNDERWAY

A. Departmental Research (unsupported, boot-legged; title - % time spent)

B. 1. Grant-supported Research (source, subject, amount - total award and current year, award period starting and ending dates; list graduate research assistants supported by each grant)

1. USDA APHIS “Development of chemical attractants and improved trap designs to facilitate detection of exotic Cerambycidae” PIs: Millar, J.G., L. Hanks & S. Teale \$123,347 Sept 1, 2011-Aug 31, 2012 (\$32,233 to SUNY-ESF).
2. USDA APHIS “Development of chemical attractants and improved trap designs to facilitate detection of exotic Cerambycidae” PIs: Millar, J.G., L. Hanks & S. Teale \$136,353 01-SEP-2012 To 31-AUG-2013 (\$32,233 to SUNY-ESF).
3. Alphawood Foundation, PI: Teale, S. “Asian Longhorn Beetle Research at SUNY-ESF” \$92,082; 28-JAN-2011 To 27-JAN-2013
4. Alphawood Foundation, PI: Teale, S. “Asian Longhorn Beetle Research at SUNY-ESF” \$ 92,016; 14-FEB-2012 To 13-FEB-2013
5. Alphawood Foundation, PI: Teale, S. “Asian Longhorn Beetle Research at SUNY-ESF” \$ 61,407; 25-FEB-2013 To 25-FEB-2015
6. USDA Forest Service STDP, PIs: Teale, S., J.D. Castello, J.G. Millar. “Fungal Attractants for *Sirex noctilio* and its Parasitoids” \$123,630 July 1, 2010 - June 30, 2013 (\$42,000 in year ending 6/30/13)
7. USDA-APHIS, PI: Teale, S. “SUNY-ESF/NYSDEC, Division of Lands & Forests Partnership Technology to Combat Asian Long-Horned Beetles in New York Forests” \$437,703 01-JUN-2010 to 18-JUL-2012
8. Galapagos Conservancy, PI: Teale, S. “Chemical attractants of *Philornis downsi*, an invasive avian parasite of the Galapagos Islands” \$50,005 01-JAN-2012 To 30-JUN-2013.
9. McIntire-Stennis Cooperative Forestry Research Program, PIs: Johnston, M., S. Teale and J. Castello. “Fresh taste from a stale pickle: An alternative proposal of beech bark disease” \$53,590 15-AUG-2011 to 30-SEP-2013

IV. PUBLICATIONS (Full bibliographic citation, i.e., do not use "with Jones," or "Jones, et al."; please list only publications published, in press, or actually submitted during this reporting period --- **do not list manuscripts in preparation**).

A. Refereed Publications

1. Wickham, J., Z. Xu and S. Teale. 2012. Evidence for a female-produced, long range pheromone of *Anoplophora glabripennis* (Coleoptera: Cerambycidae). *Insect Science* 19: 355–371 (**cover article**).
2. Fierke, M. K., D. D. Skabeikis, J. G. Millar, S. A. Teale, J. S. Mcelfresh, and L. M. Hanks.

2012. Identification of a male-produced aggregation pheromone for *Monochamus scutellatus scutellatus* and an attractant for the congener *Monochamus notatus* (Coleoptera: Cerambycidae). J. Econ. Entomol., 105: 2029-2034.
3. Cale, J., S. McNulty, S. Teale and J. Castello. 2013. The impact of beech thickets on biodiversity. Biol Invasions 15:699–706.
 4. Brodie, B., J. Wickham and S. Teale. 2012. The effect of sex and maturation on cuticular semiochemicals in *Monochamus scutellatus*, (Coleoptera: Cerambycidae). Can. Entomol. 144: 826–833.

C. Papers Presented at Science Meetings (give title, date, occasion, and location)

1. **Teale, Wickham, Hanks, Millar.** Trapping cerambycid beetles in China using generic pheromone lures. Invited Symposium: Chemical Ecology of Cerambycid Beetles. November 13, 2012. Entomol. Soc. Amer. Ann. Mtg., Knoxville, TN

VI. PROFESSIONAL DEVELOPMENT

B. Activities in Professional Organizations

Professional Society Membership

International Society of Chemical Ecology
Entomological Society of America

Other Professional Activities

Reviewer

<u>Journal(s)</u>	<u>No. of manuscripts</u>
1. Agricultural and Forest Entomology	1
2. Naturwissenschaften	1
3. Annals of the Entomological Society of America	2

<u>Agency</u>	<u>No. of proposals</u>
SUNY-ESF Seed Grant	1

Foreign Travel (Where, When, Purpose)

Ecuador, February 16 – March 26, 2013 – To conduct field research on *Philornis downsi*, an invasive insect parasite of birds in the Galapagos Islands.

VII. ADMINISTRATIVE AND SERVICE RESPONSIBILITIES (include committee participation)

A. Department-level

EFB Promotion and Tenure Committee

B. College-level

Secretary, ESF College Governance