

ANNUAL REPORT: June 1, 2011 – May 31, 2012
(i.e., Summer 2010, AY 2011-2012)
DEPARTMENT OF ENVIRONMENTAL AND FOREST BIOLOGY
SUNY-ESF

NAME: William M Shields

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>
SUMMER:					
FALL:	ESF 109	Freshman Honors Seminar	1	43	2
	ESF 209	Sophomore Honors Seminar	1	16	1
SPRING:	EFB 480	Animal Behavior	4	99	6

NOTE: PLEASE INDICATE WHICH COURSE(S) HAD A SERVICE-LEARNING COMPONENT AND BRIEFLY EXPLAIN THE NATURE OF THIS COMPONENT. For examples of service-learning in courses, see: <http://www.esf.edu/students/service/courses.htm>. Service-learning is a form of structured experiential education in which students engage with the community to be active learners, to enrich their sense of civic responsibility, and to explore practical application for course content. Faculty oversight, reflective thinking, and reciprocity are key components of service-learning. EFB courses currently listed with service-learning components include: 416/6/1, 486, 518, 521, 532, 446/646.

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 420	Internships	24	11
EFB 498	Research	9	3
EFB 898	Professional Experience	12	1
EFB 899	Master's Thesis Research	3	1
EFB 999	Ph.D. research	3	2

3. Continuing Education and Extension (short courses, workshops, etc.)

Project Advance for Secondary Science Teachers: Course on Forensic Science. Syracuse University, Lectures on: Forensic Science and the Law, and 2. Forensic DNA Technology. July 2011.
 Lucky Star Bioblitz, June 2011.

4. Guest Lecture Activities

<u>Course No.</u>	<u>Title</u>	<u>No. of Lectures</u>
SCE 614	Nature of Science in Science Education	1
	Freshman Orientation: Discussion leader on book	2
EFB 311	Principles of Evolution	1

II. STUDENT ADVISING

- A. Number of undergraduates for whom you are the student's official advisor _37_ and unofficial advisor _10_
- B. Graduate Students: (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. C.J. Hazell, Ph. D. Ecology of wolves and Jackals in Kyrgistan, began 9/2001 should finish 12/12.
2. J. Braunmiller, MPS. Graduated, May 2012
3. John Hartigan, MS. Alarm Calls in Captive Pheasants, Expected 8/13

CO-MAJOR PROFESSOR

1. William Helenbrook, PH. D. Ecology and Genetics of Primates and their Parasites. Began September 2007, Expected to finish 05/13 with Chris Whipps.
2. Jill Mandell, M.S. Great Blue Heron Ecology using chemical Data. expected 5/13 with K. Limburg.

MEMBER, STEERING COMMITTEE (other than those listed above)

Ian ???? Baldassarre's student.

CHAIRMAN OR READER ON THESIS EXAMS, ETC.

One exam don't remember name. Student was in Engineering

III. RESEARCH COMPLETED OR UNDERWAY

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

Research in Forensic Science & Statistics	2%
Research in Behavioral Ecology	10%
Research on Dragonfly Ecology and Behavior	10%
Research on Teaching Field Biology	20%

- 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)

College Foundation: Honors Program, \$60,000 June 1 2011, May 31, 2012

2. Research Proposals pending (include information as in B.1., above).

Renewal of Above (Annual Renewals).

3. Research Proposals submitted, but rejected (include information as in B.1, above)

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

Hager, B. and W. Shields, 2011. Use of lakes by *Cordulegaster maculata* (Twin-spotted Spiketail). *Argia* 23: 29.*

B. Non-refereed Publications

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

D. Public Service Presentations (lectures, seminars, etc. to and for the public; give group or occasion, date(s), and attendance)

Onondaga County Audubon Club, June 2011. The Birds of Australia. Beaver Lake Nature Center.

V. PUBLIC SERVICE

A. Funded Service (include consulting activities)

1. Government Agencies (Federal, State, Local): Consulting on Forensic DNA Various Entities

2. Industrial and Commercial Groups, etc.: Consulting on Forensic DNA Various Entities

B. Unfunded Service to Governmental Agencies, Public Interest Groups, etc.

Board of Directors (1996-) and Treasurer (1996-2001), Melinda Gray Ardia Environmental Education Foundation, P.O. Box 621, Skaneateles, New York 13152.

Pro Bono consulting and expert witness for various individuals and entities including the Alliance of Families of MIA's and POW's, the Russian Orthodox Church, and the Innocence Project.

VI. PROFESSIONAL DEVELOPMENT

A. Professional Honors and Awards (for teaching, research, outreach, etc.)

ESF College Foundation Award for Exceptional Achievement in Teaching, May 2012

B. 1. Activities in Professional Organizations (offices held, service as chairman, member, participant or consultant)

2. Professional Society Membership

American Ornithologists Union
American Society of Naturalists
Animal Behavior Society

3. Other Professional Activities

a. Editorial activity

<u>Journal (s)</u>	<u>Responsibility</u>
<u>Other (books, symposia, etc.)</u>	

b. Reviewer

<u>Journal(s)</u>	<u>No. of manuscripts</u>
Animal Behavior	3
American Naturalist	1
J. American Phil Soc.	1

<u>Agency</u>	<u>No. of proposals</u>
NSF	1
<u>American Philosophical Society</u> <u>Lewis and Clark Expeditions</u>	<u>6</u>

c. Participation (workshops, symposia, etc.)

<u>Name of workshop, etc.</u>	<u>Date</u>	<u>Place</u>
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B. Further Education/Re-training Undertaken, Leaves, Workshops, etc.

D. Foreign Travel (Where, When, Purpose)

None

VII. ADMINISTRATIVE AND SERVICE RESPONSIBILITIES (include committee participation)

A. Department-level

None

B. College-level

Director of the Honors Program, (May 2011-)

C. University-wide, including Research Foundation

VIII. SUMMARY OF SIGNIFICANT ACTIVITIES AND ACCOMPLISHMENTS DURING THIS REPORTING PERIOD, ESPECIALLY THOSE MOST NOTEWORTHY AND RELATIVE TO THE COLLEGE'S AND DEPARTMENT'S MISSION. One paragraph on each of the following would be most helpful: this past year, what have you done for our students, department/college, and self professionally? NOTE: The information in this section (along with the supporting specific information elsewhere in this report) should be your strongest case for being considered for a discretionary raise, which I'll continue to award based on your contributions to the department and college this reporting period.

The two major highlights were my being awarded the College Foundation Award for Exceptional Achievement in Teaching and my appointment as the director of the Honors Program on June 1, 2011. In my year directing the Honors Program we have managed to attract significant outside support for the program (60,000 this year with similar amounts promised for 4 more years by the main donors the Dellmores. As a result of changes we made to the program and the new funds supporting those changes, the program has grown significantly. Thirteen students graduated with honors in May 2012 in contrast to the total of 5 the previous 3 years. In addition, 8 Honors students received \$5000 summer internships by the end of May for work across the globe this summer. I hope to grow the program to a sustainable size and continue to teach the lower division courses in the program for the near future. Barbara and I published our first joint paper on Dragonflies this year with more to come. I taught Animal Behavior again this spring with a return to normal enrollment (99 students and the class was "closed" at 96). I continue to act as official and unofficial advisor for a number of undergraduates including many of the Honors students regardless of their program of study and enroll lots of students in EFB 420 and 498.

IX. A. FUTURE PLANS, AMBITIONS, AND POTENTIAL CONTRIBUTIONS FOR YOUR OWN PROFESSIONAL DEVELOPMENT AND THE ENHANCEMENT OF THE PROGRAM IN ENVIRONMENTAL AND FOREST BIOLOGY (brief summary)

More of the same I guess. More writing on Australia book and adaptation book. Continue long standing forensic DNA and dragonfly research. The latter will result in more publications this year. The Honors program keeps me busier than I might have expected so that is now taking up a lot of my time and eating into my research time, but I did say yes.

B. PROJECTED ACTIVITIES FOR NEXT YEAR

1. Summer 2012

Course(s) to be offered: Research and thesis courses, Co teach Hager's CLBS entomology course.

b. Proposed research activity
Same as usual

c. University, professional society, and public service
Same as usual

2. Fall Semester 2012: same as last year

a. Course(s) to be offered

b. Proposed research activity

c. University, Professional society, and public service

3. Spring Semester 2013: same as last year.

a. Course(s) to be offered

b. Proposed research activity

c. University, professional society, and public service