

ANNUAL REPORT: June 1, 2010 – May 31, 2011
(i.e., Summer 2010, AY 2010-2011)
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:	None ("TA" for Insect Ecology and Behavior at CLBS)				
FALL:	ESF 109	Freshman Honors Seminar	1	20	
	ESF 209	Sophomore Honors Seminar	1	13	
	EFB 420	EFB Internships	3	4	
	EFB 498	Independent Research	2	1	
			3	2	
	EFB 499	Honors Thesis	3	1	
	EFB 898	Professional Experience	3	1	
SPRING:	EFB 480	Principles of Animal Behavior	4	99	
	EFB 420	Internships	3	4	
	EFB 498	Independent Research	2	2	
			3	2	
	EFB 898	Professional Experience	3	1	

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.

EFB 420: Internships at Rosamund Gifford Zoo. 3 different students.

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

<u>Course No.</u>	<u>Title</u>	<u>Hrs.</u>	<u>Students</u>
EFB 899		2	2
EFB 999		3	2

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

4. Guest Lecture Activities

<u>Course No.</u>	<u>Title</u>	<u>No. of Lectures</u>
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EFB 132? Led 3 discussions at Freshman retreat at Orenda.

II. STUDENT ADVISING

- A. Number of undergraduates for whom you are the student's official advisor 36 and unofficial advisor 9
- 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 5/12.
2. Jose Valdez, M.S. European Crow Behavioral Ecology, Begun 09/08 Expected finished 08/10.
3. J. Braunmiller, MS No project yet- part time.
4. M. Palermo, MPS in Biology. Finished 5/2011.

CO-MAJOR PROFESSOR

1. William Helenbrook, PH. D. Ecology and Genetics of Primates and their Parasites. Began September 2007, Expected finish 05/12 with Chris Whipps.
2. Amanda Dillon, MS. Exploration of Diversity and Abundance of native solitary bees and wasps in differing habitat types of Three Rivers Wildlife Management Area. August 2010 with B. Hager.
3. Jill Mandel MS. Began September 2010. Great Blue Heron Management in the Hudson River Watershed. with Karin Limburg.

MEMBER, STEERING COMMITTEE (other than those listed above)

None

CHAIRMAN OR READER ON THESIS EXAMS, ETC.

Chaired an ERE Candidacy Exam (Jinfang?)

III. RESEARCH COMPLETED OR UNDERWAY

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

Research in Forensic Science & Statistics	5%
Research in Behavioral Ecology	10%
Research on Dragonfly Ecology and Behavior	25%
Research on Teaching Field Biology	10%

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)

None

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

None

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

None

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

Gilder, J. R., K. Inman, W. Shields, and D. E. Krane, 2010. Magnitude dependant variation in peak height balance at heterozygous STR loci. Intl. Journal Legal Medicine. 125:87-94.

B. Non-refereed Publications

None

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

None

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

Invited Faculty: Project Advance for Secondary Science Teachers: Course on Forensic Science. Syracuse University, Lectures on: 1. Forensic Science and the Law, and 2. Forensic DNA Technology. Syracuse, NY, July, 2010.

Public Presentation on The Birds of Australia. Onondaga Audubon Society, 15 attending, May 11, 2011.

Invited Seminar on Forensic DNA technology. SUNY Binghamton, Dept of Biology, March 2011.

V. PUBLIC SERVICE

A. Funded Service (include consulting activities)

1. Government Agencies (Federal, State, Local): Consultant and Expert Witness in Forensic DNA and dog tracking behavior.
2. Industrial and Commercial Groups, etc.

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.

VI. PROFESSIONAL DEVELOPMENT

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

NONE

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

None

2. Professional Society Membership

Animal Behavior Society
Ecological Society of America
Society for Conservation Biology
Society for the Study of Evolution

3. Other Professional Activities

- a. Editorial activity

Journal (s)

Responsibility

Other (books, symposia, etc.)

b. Reviewer

Journal(s)

No. of manuscripts

Animal Behavior

2

Ecological Modeling

2

American Naturalist

1

Agency

No. of proposals

NSF

1

Other

c. Participation (workshops, symposia, etc.)

Name of workshop, etc.

Date

Place

None

C. Further Education/Re-training Undertaken, Leaves, Workshops, etc.

None

D. Foreign Travel (Where, When, Purpose)

None

VII. ADMINISTRATIVE AND SERVICE RESPONSIBILITIES (include committee participation)

A. Department-level

Member GPAC: part of the year

EFB representative to Honors Council

Field Programs Coordinator: Until mid-year

Acting Director at CLBS Session D (2 Weeks)

B. College-level

As of May 31 2011, Director of Honors Program

C. University-wide, including Research Foundation

None

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.

This may look familiar as it follows much of last year's report. I continue in the same vein. The honors seminars were offered again this year with excellent reviews. I would note that our sue of web reviews has come with a decline in the Percentage of students evaluating the courses. I taught Behavior again this spring with a return to normal enrollment (99 students). I cannot view the reviews until tomorrow but I suspect they will be as good as usual. Barb and I continue working on our book. We really only get anything done summers so I do not expect it to be finished until the end of summer 2012. work on this gets done in the summer when we both have more time and live in the same house. I published 1 paper related to forensic DNA in the Intl J. of Legal Medicine (listed in press last year). I continue to act as official and unofficial advisor for a number of undergraduates and enroll lots of students in EFB 420 and 498. As I have noted I have accepted fewer graduate students in order to free time to write the 2 books that are underway or planned and as I approach "retirement". Lastly I have agreed to assume the role of Director of the Honors Program. When I examined the web pages I realized belatedly that I had my work cut out for me with respect to updating the information and paperwork, which I will reduce, presented to the world at large. That will keep me busy over the summer.

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)

As you know I am seriously considering retirement at 66. That birthday is November 2013. I might decide to stay on longer if I am having fun. Between now and then I will continue Odonate research and hopefully publish a few papers in that arena. I will finish the Field biology book by then and begin work on my adaptation book (the writing of which should keep me busy after "retirement". I plan to continue teaching behavior and the honors seminars. I also plan to develop younger professors to begin teaching the honors seminars with or instead of me. I hope to make clear to our faculty that the honors program will no longer ask people to jump through hoops but instead will assist in supporting undergraduate research with logistic and monetary support as needed with a minimum of bureaucracy. As my expected retirement approaches I have stopped taking new MS and PH. D. students as I believe it is unfair to accept them and then leave before they finish.

B. PROJECTED ACTIVITIES FOR NEXT YEAR

I expect to do everything the same as this year with the only change the administrative work needed to enlarge and streamline the Honors Program.

1. Summer 2011

- a. Course(s) to be offered

- b. Proposed research activity

- c. University, professional society, and public service

2. Fall Semester 2011

- a. Course(s) to be offered

- b. Proposed research activity

- c. University, Professional society, and public service

3. Spring Semester 2012

- a. Course(s) to be offered

- b. Proposed research activity

- c. University, professional society, and public service