

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

NAME: Tsutomu Nakatsugawa

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:	1.	EFB 400 Toxic Health Hazards	3	46	
	2.	EFB 600 Toxic Health Hazards	4	5	
SPRING:	1.	EFB 611 Topics in Environmental Toxicology	3	9	

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>
	BTC 420	Internship in Biotechnology	5	1
	EFB 498	Research Problems in Env. For. Biol.	3	1

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>
FALL	EFB 120	Global Environment (on pollution)	1
	EST 220	Urban Ecology	1
	EST 600	Foundation of Environmental Studies	1
SPRING	EFB 120	Global Environment (on pollution)	1

II. STUDENT ADVISING

A. Number of undergraduates for whom you are the student's official advisor 11 and unofficial advisor _____

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

Judith Crawford Ph.D. Environmental Science
Agreed to serve upon retirement of Dr. David Johnson

CO-MAJOR PROFESSOR

Debra Joseph MS since fall 2005 co-MP with John Hassett

MEMBER, STEERING COMMITTEE (other than those listed above)

Andrew Henwood Ph.D. EFB
Eliza Czolowski M.S. ES

CHAIRMAN OR READER ON THESIS EXAMS, ETC.

III. RESEARCH COMPLETED OR UNDERWAY

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

Serving as a member of Dr. James Gibbs' research project on African Kihansi Spray toad restoration project as it pertains to endosulfan (insecticide) toxicity and testing from Spring semester, 2011 through summer. I work primarily with graduate student Brooke Reeve in this work.

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

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)

Gave a 45-minute invited lecture "What's for Dinner? Which toxics would you like – one large risk or several small ones?" at the Annual ESATYCB (Empire State Association of Two Year College Biologists) conference on the theme "The Biology of Food". April 30, 2011. 70 ~ 80 attending.

V. PUBLIC SERVICE

A. Funded Service (include consulting activities)

1. Government Agencies (Federal, State, Local):

2. Industrial and Commercial Groups, etc.

Reviewed and critiqued a document, emamectin benzoate critical review, by Syracuse Environmental Research Associates for Forest Service. (consulting service)

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

VI. PROFESSIONAL DEVELOPMENT

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

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

2. Professional Society Membership

Society of Toxicology
Society of Environmental Toxicology and Chemistry
American Chemical Society
Pesticide Science Society of Japan
AAAS

3. Other Professional Activities

a. Editorial activity

Journal (s)

Responsibility

Other (books, symposia, etc.)

b. Reviewer

Journal(s)

No. of manuscripts

Chemico-Biological Interactions

1

Agency

No. of proposals

Other

c. Participation (workshops, symposia, etc.)

Name of workshop, etc.

Date

Place

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

D. Foreign Travel (Where, When, Purpose)

VII. ADMINISTRATIVE AND SERVICE RESPONSIBILITIES (include committee participation)

A. Department-level

Chair, Promotion and Tenure Committee (completed March, 2011); continuing as a member.

B. College-level

Chair, IACUC (Institutional Animal Care and Use Committee), summer 2010 – summer 2011.

Member, Academic Integrity Hearing panel (Kenneth Tiss, Chair) 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 P/T activities in our department turned out to be busy this year, including two full reviews and three pre-reviews. The latter was made more official as the Provost made it as part of formal requirements. As Chair of PTC, I spent much time keeping track of individual document submissions, requests to internal and external reviewers, receipts and filing, sending acknowledgement of receipts, teaching reviews and reporting, soliciting faculty input, etc. Excellent secretarial help considerably eased the work load, but the active PTC membership dwindled from seven to three-and-a-half towards the final deadline due to illnesses, accidents and other commitments, forcing some of us working weekends and overtime particularly during March. I thank those who materially contributed to our efforts.

In the summer of 2010, I accepted what appeared to be a benign one-year assignment by Dean of Research, Dr. Neil Ringler to chair the college-wide IACUC (Institutional Animal Care and Use Committee) at the departure of the IACUC chair, Dr. Jesse Brunner. Updating the websites was straight-forward thanks to Dr. Brunner's work. Since there was no system in place to track on-going projects originally approved by the Committee, I undertook the task of organizing, checking and updating all the protocols on file (these are subject to unannounced inspection by authorities) in Room 241 Illick with secretarial help. Main findings: 1) Eleven projects running from 2004 through 2010 have been completed; 2) Fourteen projects that began between November, 2006 and March, 2010 are still active; 3) IACUC reviewed eleven protocols between summer of 2010 and 2011, with eight approved and three pending; 4) We have currently no systematic way of discharging institutional responsibility of training, inspecting and updating (it is all ad hoc). Clearly research activities involving vertebrate animals have been on the rise, and demand a better-defined system. While the supervising authority has been USDA-APHIS, IACUC also needs to meet NYS Department of Health requirements, and with the faculty's research seeks funding from NIH, must meet the protocols and requirements of NIH, which are distinct from others. Most urgent at the moment is to clarify the NIH requirements and obtaining their protocol number, which the College currently lacks, and correct deficiencies/violations found in the APHIS inspection this spring. I intend to attain these goals before I resign as Chair at the end of summer, 2011.

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)

In my book writing project, I hope to regain the momentum that I lost due to the two committee chairmanships. These tasks left little time besides teaching (particularly spring as work load of EFB 611 rises in proportion to the number of

students, which was a recent record – 10). While I will remain member of PTC, and also likely of IACUC, for the coming year, I hope freedom from the work load of chairmanships will allow me to attain my goal of completing the draft before retiring in the summer of 2012 as I currently envision.

B. PROJECTED ACTIVITIES FOR NEXT YEAR

1. Summer 2009

a. Course(s) to be offered

b. Proposed research activity

Involvement in Dr. James Gibbs' research project on African Kihansi Spray toad restoration project as it pertains to endosulfan (insecticide) toxicity and testing will continue through summer, 2011.

c. University, professional society, and public service

2. Fall Semester 2009

a. Course(s) to be offered

EFB 400 Toxic Health Hazards	3-credit (30 pre-registered)
EFB 600 Toxic Health Hazards	4-credit (4 pre-registered)

b. Proposed research activity

c. University, Professional society, and public service

Member, College-wide Review Committee for Promotion and Tenure

Member, ESF IACUC

Member, EFB PT committee

3. Spring Semester 2010

a. Course(s) to be offered

EFB 611 Topics in Environmental Toxicology	3-credit
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b. Proposed research activity

c. University, professional society, and public service

Member, College-wide Review Committee for Promotion and Tenure through June, 2012.

Member, ESF IACUC

Member, EFB PT committee