

Curriculum Vitae
Sharon Kinsman
2005

Address

Department of Biology, 44 Campus Avenue
Bates College, Lewiston, Maine 04240 U.S.A.

Education

Cornell University, New York, Ph.D., 1982: Ecology and Evolutionary Biology
Focus: Plant Ecology Minor: Entomology
University of Iowa, B.A., 1972: English

Research Interests

Reproductive ecology of tropical and temperate plants; quality of pollination; interspecific pollen transfer; history and discourse of the “interference by foreign pollen” paradigm; plant population biology; forest stand history (with students); mechanisms of population and community change with invasive species.

Positions Held

Associate Professor of Biology, Bates College, 1992 - present
Program Committee Member, Women’s Studies and Women and Gender Studies (nine years)
Visiting Scholar in Women’s Studies, University of Arizona, Tucson: 2000-2001
Chair of Biology, Bates College: 1996 - 2000.
Assistant Professor of Biology, Bates College: 1985 - 1992
Temporary Adjunct Research Associate, Uppsala University, Sweden: 1987
Assistant Professor of Biology, Swarthmore College: 1984 - 1985
Postdoctoral Associate, University of Florida: 1982 - 1984
Instructor in Biology, Swarthmore College: 1981 - 1982
Teaching Assistant, Cornell University: 1976 - 1980
Environmental Analyst, Stanley Consultants, Inc.: 1973 - 1976

Publications (peer reviewed)

Kinsman, S. 2001. “Life, Sex, and Cells” Chapter in anthology: *Feminist Science Studies: a New Generation*, eds. Maralee Mayberry, Banu Subramaniam, Lisa H. Weasel. Routledge.
Kinsman, S. 2001. Same article reprinted in *Gender, Science, and the Undergraduate Curriculum: Building Two-Way Streets*. Ed. Caryn McTighe Musil, AACU.
Murray, K.G., S. Kinsman, and J. Bronstein. 2000. “Plant-Animal Interactions.” Chapter in *Monteverde: Ecology and Conservation of a Tropical Cloud Forest*. Eds. Nalini Nadkarni, Nat Wheelwright. Oxford.
Weiner, J., S. Kinsman, and S. Williams (Bates ‘91). 1998. Modeling the growth of individuals in plant populations: local density variation in a strand population of *Xanthium strumarium* (Asteraceae). *American Journal of Botany* 85:1638 - 1645.
Kinsman, S. 1991. Education and empowerment: conservation lessons from children. *Conservation Biology*, March 1991 (Conservation Education Column).
Kinsman, S. 1990. Regeneration by fragmentation in tropical montane forest shrubs. *American*

- Journal of Botany* 77:1626 - 1633.
- Kinsman, S. 1990. An introduction to Neotropical ecology. *Ecology* 71:406. Book review of A Neotropical Companion, John C. Kricher, 436 pp.
- Murray, K.G., P. Feinsinger, W.H. Busby, Y.B. Linhart, J.H. Beach, S. Kinsman. 1987. Evaluation of character displacement among plants in two tropical pollination guilds. *Ecology* 68:1283-1293.
- Linhart, Y.B., P. Feinsinger, J.H. Beach, W.H. Busby, K.G. Murray, W.Z. Pounds, S. Kinsman, C.A. Guindon, M. Kooiman. 1987. Disturbance and predictability of flowering patterns in bird-pollinated cloud forest plants. *Ecology* 68:1696-1710.
- Feinsinger, P., K.G. Murray, S. Kinsman, W.H. Busby. 1986. Floral neighborhood and pollination success in four hummingbird-pollinated cloud forest plant species. *Ecology* 67:449-464.
- Kinsman, S. and W.J. Platt. 1984. The impact of a herbivore upon *Mirabilis hirsuta*, a fugitive prairie plant. *Oecologia* 65:2-6.
- McDade, L.A. and S. Kinsman. 1980. The impact of floral parasitism in two neotropical hummingbird-pollinated plant species. *Evolution* 39:944-958.
- Cruden, R.W., S. Kinsman, R.E. Stockhouse III, Y.B. Linhart. 1976. Pollination, fecundity and the distribution of moth-flowered plants. *Biotropica* 8:204-210.
- Many abstracts published in conjunction with presentations for Association for Tropical Biology, Society for Conservation Biology, Ecological Society of America, Maine Biological and Medical Sciences Symposium.

Manuscripts

- Kinsman, S., D. Taylor, N.L. Bonnevie. Pollination intensity and the effect of heterospecific pollen in two introduced herbs. (Taylor and Bonnevie are Bates graduates.)
- Kinsman, S. Heterospecific pollen on stigmas: consequences at natural and high pollination intensities.

Work in Progress (manuscripts in progress)

- Kinsman, S., C. Mulder, W. Haber. Interspecific pollen transfer in nine neotropical moth-visited plant species. (Mulder is a Bates graduate.)
- Kinsman, S. International service-learning: undergraduates work with conservation projects in Costa Rica.
- Kinsman, S. Discourse and data in research approaches to the “interference” paradigm for interspecific pollen transfer.

Selected Recent Research Presentations

- Flowers and “foreigners”*: A feminist approach to the paradigm of interference in plant sex. Conference: Taking Nature Seriously: Citizens, Science, and Environment, Feb. 25 - 27, 2001, Eugene Oregon.
- “Foreign” interference in plant sex: discourse, data, and disclosure. Conference for the Society for Social Studies of Science, Oct. 31- Nov. 5, 2001, Cambridge MA
- Individual contribution, Conference panel “Women’s Studies and Scientific Literacy: Conversations about Critique and Content,” National Women’s Studies Association, June 1999, Albuquerque, NM. Bates College Team Panel (leader: Bonnie Shulman)
- Interspecific pollen transfer in hummingbird-pollinated cloud forest plants*

Ecological Society of America, Bowdoin College, University of Maine (and others)

Additional Recent Conference Attendance

New England Invasive Plant Summit, IPANE and NEWFS, Sept. 14-15, 2005, Mass.
(With five Bates students Sept. 15)
Jocelyn Botanical Society Spring Meeting, April 9, 2005, Lewiston, ME
Symposium on New England Forest Community History: "Dendrochronology in the Northeast." Historic Deerfield. May 18-20, 2005. Deerfield, MA
Reconceptualizing the History of the Built Environment in North America, Harvard Graduate School of Design, April 29-30, 2005. Cambridge, MA
The Silent Invaders: Identification and Management of Invasive Plants: Connecticut Invasive Plants Working Group, Oct. 7, 2004 Storrs, CT (With six Bates students)
New England Invasive Plant Summit, IPANE and NEWFS, Sept. 19-20, 2003, Mass.
Gender and Science, Colby College's Forum for Women in Science. June 11-13, 2003
National Women's Studies Association Annual Conference, June 13-17 2001, Minneapolis

Collegiate Publications, Newsletter Articles, Photographs

Kinsman, S. 2003. "Family Trees," pp. 32 - 35 in *Bates*, Winter 2003. Photographs by Phyllis Graber Jensen. Essay adapted from presentation for "A Sense of Place: The Natural Place" Bates College Inaugural Weekend, Oct. 2002.
Photographs in *Biology Today: An Issues Approach*. E.C. Minkoff and P.J. Baker. 1996. McGraw-Hill. 13 Photos contributed.
Kinsman, S. 1996. Several articles in *Rainforest Routes* (private printing, newsletter)
Kinsman, S. and several collaborators. 1994. *Rainforests — Educational Resources*. Three editions. Provided free to teachers.
Kinsman, S. 1992. El Bosque Eterno de los Ninos: The Children's Rainforest USA. *Tapir Tracks* (The Monteverde Conservation League) Volume 7(1):6-7.
Kinsman, S. 1991. Labs that work: Quality of pollination. *Newsletter: Education Section of Ecological Society of America*. Solicited by editor.
Kinsman, S. 1991. Finding out what's there. *Tapir Tracks* (Monteverde Conservation League) Volume 6(2):1-2.

Non-Governmental Organization Conservation Volunteer Positions

President, Founder, The Children's Rainforest U.S.: 1987 - 2003 (\$800,000 raised for projects)
Visiting lecturer, Natural History Guide Training Course, Costa Rica: June 1990
Lectures in entomology, plant biology, plant breeding systems, pollination ecology.
Academic Advisory Committee, Monteverde Institute, Costa Rica: 1988 - 1995
Scientific Advisory Committee, Monteverde Conservation League, Costa Rica: 1988 - 1991
Consultant, Rainforest Education Project, Globetree Foundation, Sweden: 1987
Visiting Lecturer, Costa Rican field courses run by Organization for Tropical Studies, CIEE, and Monteverde Institute: occasional

Grants and Awards at Bates College

Hughes Council Curriculum Development Grant for Teaching Reduction, Spring 2003
(Department could not accept due to replacement hiring constraints)

Phillips Fellowship (Bates College) for full year salary and travel for sabbatical (Visiting Scholar in Women's Studies, University of Arizona, Tucson), 2000-2001, project: The foreign interference paradigm in plant reproductive ecology: a feminist science studies perspective.

Bates Faculty Development Fund for scholarship development for teaching, March 2002: \$1343
Member of Bates College team (headed by Bonnie Shulman, author of proposal) selected by AACU as one of ten teams to launch "Women and Scientific Literacy: Building Two-Way Streets" initiative funded by NSF through AACU. 1997 - 2000.

Bates College President's Fund for International Professional Development for travel to People's Republic of China (Kinsman) and Ecuador (Kinsman and Dorsey). \$4500. 1998.

Hughes I Council, Bates College, for Curriculum Development: Life, Sex and Cells (introductory Biology course on gender); 1993: \$29,000 (includes course replacements).

Maine Science and Technology Commission Research Excellence Partnership Grant; 1990; \$5000.

National Science Foundation Research Opportunity Award; 1990; \$11,000; to Jacob Weiner and Sharon Kinsman

New England Consortium of Undergraduate Science Education; 1990; \$3,000 for student summer research assistants.

Roger C. Schmutz Faculty Research Grant, Bates College: 1986, 1987, 1989; \$560 - \$1,000.

Dana Research Apprenticeship Program (support for student collaborator), Bates, 1986-9.

Professional Memberships (years vary)

Ecological Society of America; Sigma Xi; Society for Conservation Biology; Organization for Tropical Studies; Association for Tropical Biology; Botanical Society of America; Association for Women in Science; Fundacion Neotropica; Monteverde Conservation League; Society for Social Studies of Science; National Women's Studies Association; New England Wildflower Society

Professional International Travel

Montane Mexico: Pollination research with R.W. Cruden, University of Iowa, 1972.

Rural Costa Rica: Ecological research and conservation organizing, total 31 months, 1982-1993

Costa Rica: Teacher and administrator, five-week field courses (undergrad): 1987, 1989, 1996

Ecuador: Co-teacher and administrator, five-week field course (undergrad): 1995

Sweden: Pollination research and rainforest education consulting: 3 months, 1987

Costa Rica: International Symposium for Children's Rainforest Network, 1991

Costa Rica: Rainforest Collaboration Middle School Project visiting scientist: 1992

India: Invited presentation to G. B. Pant Institute's Workshop on Himalayan Biodiversity: Conservation Strategies, 1992

Nepal: Independent travel with interest in conservation projects, Annapurna region, 1992

Sri Lanka: Faculty participant, 5 - week Fulbright-Hayes seminar program, 1993; Site visit Sinharaja Biosphere Reserve

Kenya: Faculty Lecturer, 2-week travel program, Bates College Development Office, 1993

Costa Rica: Visiting professor, CIEE Tropical Biology Program, June 18-22, 1997
Corcovado National Park

People's Republic of China: Curriculum development (collaborative), site visits to reserves and rural villages: April 28 - May 20, 1998. With M. Maurer-Fazio and J. Hughes.

Peru: Faculty Lecturer, 8-day travel program, Bates College Development Office, Amazon Ecology, March 2003

Other Professional Activities

Invited lectures on research and conservation: In United States: Nine universities and colleges; Four professional societies. In Sweden, India, Costa Rica, and Sri Lanka: Ten academic institutions.

Contributed papers on research: numerous.

Reviewer for: *American Journal of Botany*, *Ecology*, *Bulletin of the Torrey Botanical Club*, *Biotropica*, *National Science Foundation*, *Organization for Tropical Studies*, *Ecological Society of America*, *Conservation Biology*.

Tenure evaluations for University of Massachusetts Amherst (Program in Women's Studies 2003), Hope College (Department of Biology) and University of Minnesota (Biology).

Maine Endangered Plant Technical Advisory Committee

Maine Natural Areas Advisory Board (1990's)

Middle-School Science Teachers' Workshop on Tropical Forest Ecology (instructor)

Conservation fund-raiser, founder and president of NGO raising \$800,000 for neotropical forests

Research Grants Committee of Maine Chapter Nature Conservancy: 1986, 1987, 1990

Scientific Advisory Panel, Maine Forest Biodiversity Project, 1995 - 1998

Participant, Maine Forest Biodiversity Project, 1995 - 1998

Volunteer consultant for conservation and private reserve establishment and management.

Participant in Workshops and Training (dendrochronology, ecological reserves, invasive plants, women and science, service learning, campus climate and diversity): numerous.

Presentations in schools on tropical ecology, conservation, The Children's Rainforest: numerous.

Film appearance: brief interview in 1996 award-winning documentary on life of Alexander Skutch: *A Naturalist in the Rainforest* (produced by Paul Feyling)

Radio Interviews: Thirty-minute interview on Radio Peace International in Costa Rica (also broadcast in US), 1998, 1999, 1990; 15-minute interview for WERU, Maine, 1989

Television documentary appearance: 20-minute segment of *The Air We Breathe*, Maine Public Broadcasting Network (local and national broadcasts): 1990, 1991. Documentary focusing on individuals in Maine contributing to reducing air pollution; one of the three segments is an interview at Bates on The Children's Rainforest, education and conservation work. Selected by Public Television's Eastern Educational Network to be broadcast nationwide, as an example of local environmental efforts.

Television documentary appearance: brief interview at research site at Morse Mountain. *The Earth's Forests are in Danger*, produced and broadcast in Japan, 1990. Fuji Television, Tokyo.

Professional and Teaching Development: Recent Workshops and Training

Site visits: Old-Growth Northern Hardwoods (three sites), June 8, 2005, with MS Forestry UVM graduate, Vermont

Plant Systematics Review: New England Wildflowers (Botany 3006, New England Wild Flower Society), June 10, 17, 24, Bowdoin, ME

Native New England Shrubs (Botany 3307, New England Wild Flower Society), June 3 - 5, 2005, Montshire, Vermont.

Invasive Plant Survey, IPANE and New England Wildflower Society, July 16-18, 2005,

“Northeast Kingdom,” Vermont. Group directed by IPANE staff.
Invasive Plant Identification and Survey Training by IPANE (Invasive Plant Atlas of New England), April 23, 2005, Augusta, ME.
Supplemental Instruction Supervisor Workshop (by Univ. of Missouri), Lewiston, Oct. 14, 2003
Field site visits: Northern Forest, Northeastern Vermont (June 8, 2002) and Alpine Garden Ecology, Mt. Washington, NH (AMC workshop, June 18, 2002).
Annual North American Dendroecological Field Week, U.S. Forest Service’s H. J. Andrews Experimental Forest, Blue River, Oregon (Long-term Ecological Research Site), July 25-27, 1997.
Site visit for dendroecology / forest history research background, Harvard Forest, Petersham, Massachusetts, July 7 - 9, 1997.
Ecological Reserves Workshop: Identification and Documentation of Ecologically Significant Areas. June 4 - 5, 1997. Maine Natural Areas Program.
American Association of Colleges and Universities, Program on the Status and Education of Women (funded by NSF): “Women and Scientific Literacy: Building Two-Way Streets.” February 27 - March 2, 1997, Tempe, Arizona. Bates team led by Bonnie Shulman.

Service Learning Courses (Bates College)

May 1995: Five - week course in Monteverde, Costa Rica: “Biological Conservation and Human Communities” (Biology s25). Working with grass-roots institutions dedicated to biodiversity conservation, education, and research, students (individually or in small groups) contributed to multiple activities that strengthen biological conservation in a tropical reserve. Projects included original articles (in two languages) for a conservation newsletter, working with library and school projects, and marking, mapping, and caring for young native trees in a demonstration arboretum.

Fall 2005. Semester course: “Invasive Plant Ecology” (Biology 265). Field service projects include identification and removal of invasive plants at borders of Androscoggin Land Trust reserve; site visit and assessment of future control efforts for very rare riparian forest community in Canton, ME (with Androscoggin Land Trust); removal work on Rail Trail in Augusta with State Botanist (Maine Natural Areas Program); student apprentices staffing Invasive Plants booth at Common Ground Fair (Maine Natural Areas Program); and many field afternoons surveying, marking, and mapping invasive plants (seven species) at Thorncrag Bird Sanctuary (Stanton Bird Club), Lewiston, Maine. A similar survey of Bates College woodlots in Lewiston is underway.

Biology s37 (Forest and Landscape). This field-intensive short term unit met, as usual, nearly every day from 8 - 5, on many days longer due to field trips. The five-day “Downeast” field trip included a service learning field day with Andy Cutko of the Maine Natural Areas Program, taking transect samples in burned and undisturbed sections of a wet meadow near the Cutler Ridge Trail ecological reserve area in Downeast Maine.

Bates College: Committee Service

Environmental Studies Program Committee (five years)

Programs in Neuroscience and Biological Chemistry (as Biology Chair): 1996-2000.

Women’s Studies Program Committee (six years)

Women and Gender Studies Program Committee 2002 - 2005
Board of Examiners (elected committee), three years
Admissions, three years
Student Conduct, two years
Honors, several years
Hughes Council, several years
First Year Advisor: numerous years; most recently 01/02, 03/04, 04/05

Bates College: Research Advising

20 Undergraduate theses, 1986 - 1999.
22 Undergraduate research projects, 1986 - 1999.
10 Funded undergraduate summer research positions (three in Costa Rica): 1986-1990.
Sponsor for two independent undergraduate research projects, 1997, 1998.
2002 - 2005: Three theses (environmental studies and biology); three independent studies.

Bates College: Recent Additional Professional Contributions

Platform Party, Commencement May 30, 2005, Introduction of Dr. Lynn Margulis, Honorary Degree Recipient (and escorted Dr. Margulis for May 30 events)
Guest lecture for Political Science s26 (Environmental Conflicts in Latin America), taught by Diane Haughney, Short Term 2004
Faculty liaison to Bates Women's Volleyball Team, 2003-2005 (included overnight trip with team to Williams College for NESCAC tournament). Peer-Assisted Learning Course Professor (Biology 118), Fall 2004
Reviewer of invited candidates for Environmental Studies tenure-track position, Spring 2004
Summer advising contact for Dean of Faculty's program for encouraging and supporting selected first-year students; contacted over 20 students during admission decisions and summer course selection. Continued as informal advisor to several of these students. June 2003 - June 2005.
Tenure evaluations for other departments and programs, Bates College: Sociology, Women's Studies (two candidates), Environmental Studies, Geology (included fourth-year reviews for all but Sociology).
Member, Panel: "Ways of Looking at the Natural World: A Faculty Conversation" with Pattiann Rogers (Philip J. Otis Annual Lecturer), Oct. 22, 2003
Member, Panel: "Science, Religion and Ecology: A Public Conversation with David Abram" (Andrews Memorial Lecturer in Ethics and Education), November 4, 2003.
Presentation in "The Natural Place," part of "A Sense of Place," Presidential Inauguration Program, October 2002. (Part of presentation published in *Bates*, Winter 2003)
Women and Scientific Literacy: Building Two-Way Streets. Member of 6-person team managing Bates College's participation in this AACU / NSF 3-year project (1997 - 2000). Co-led (w B. Shulman) Faculty Development Seminar: Scientists Encounter the Feminist Challenge.
Benjamin Mays Scholars Program in Biology (stipend): 3-day unit on North Woods: 1994, 1995
Women's Studies Summer Institute (stipend) one-session workshop in using / teaching behavioral ecology with feminist critique approach. July 1995.
Lecturer for Alumni Office trips to Kenya (1993) and Peru (2003), seven illustrated lectures
Women in Science Panel Participant for Biology course: Social Context of Science (2 years)

Open Doors IV Panel Participant. Hands-on science program for middle-school girls. 1997.
Faculty dinner speaker, March 1994: Continental Shift: Lessons and Landscapes
Community Breakfast Seminar speaker: 1996: The Environment: Non-replenishable Resources
Center for Service-Learning Professional Development Luncheon Series: International Service-
Learning. January 1997.
Women's Studies Queer for Lunch Series: Animals' Sexual Diversity: What Does it Mean for
Humans? Dec. 2, 2002
Parent and New Student orientation panel on service-learning. August 1996.

Undergraduate Courses Taught (Swarthmore and Bates Colleges) *denotes course with
laboratory and/or field component

Introductory Biology*, Plant-Insect Ecology*, Biogeography, Pollination Biology*, Ecology and
Evolution*, Population Ecology*, Plant Ecology*, Entomology*, Tropical Field Biology* (in
Costa Rica and Ecuador), Protecting Biodiversity*, Freshman Symposium, Seed Ecology*,
Ecology and Evolution of Gender, Life/Sex/Cells, Biological Conservation and Human
Communities* (in Costa Rica), Field Ecology*, The Insects (Entomology)*, The North Woods*,
Forest History*, Forest and Landscape*, Women and Education at Bates: A Historical
Perspective, Forest Permanent Plots*, Forest Ecology*, Bugs in the System, Rachel Carson's
Legacy (Seminar), Junior-Senior Seminar.