

CURRICULUM VITAE

Anne M. Houtman

Department of Biological Science
California State University, Fullerton
Fullerton, CA 92831
Office: 657-278-5491

ahoutman@fullerton.edu
<http://www.hummingbirdresearch.com>

EDUCATION

University of Oxford. Doctor of Philosophy, Zoology. 1991
Thesis: Sexual selection in the zebra finch. Supervisor: Professor Sir John Krebs, FRS
University of California, Los Angeles. Doctoral program in Biology. 1985-87
University of California, Los Angeles. Master of Arts, Anthropology. 1985
Thesis: The Hawaiian tuna fishery. Supervisor: Dr. Timothy Earle
Pomona College. Claremont, CA. Bachelor of Arts, Anthropology. 1983
Thesis: Color lexicon development in children. Supervisor: Dr. Ralph Bolton

POSITIONS

Associate Professor of Biology and Director, General Education Biology Program. California State University, Fullerton. 8/03 to present.
Professor of Biology and Coordinator, Science and Math program. Soka University. 8/00 to 8/03.
Assistant Dean (9/01 to 4/02) and Acting Dean (4/02 to 8/02) of Faculty. Soka University.
Responsibilities included academic budgeting, faculty hiring, curriculum development, teaching assignments and evaluation, long-range academic planning.
Program Coordinator, Pew Midstates Science and Math Consortium. 1998 to 2001.
Responsible for faculty development, through research and pedagogy workshops and conferences, in member institutions (11 liberal arts colleges and 2 research universities.)
Assistant Professor, Department of Biology, Knox College. 1995 to 2000.
Director, Green Oaks Biological Station, Knox College. 1995 to 2000.
Responsible for program development, budgeting and operations.
Adjunct Assistant Professor, Mountain Lake Biological Station, University of Virginia. 1994-1997.
Assistant Professor, Department of Biology, Wesleyan College. 1993 to 1995.
Post-Doctoral Fellow, Department of Zoology, University of Toronto. 1990-1993.
Lecturer, Department of Psychology, University of Toronto. 1990-1993.
Computer Instructor, Women's Training Scheme, Oxford City Council. 1989-90.
Tutor/Demonstrator, Department of Zoology, University of Oxford. 1987-90.
Teaching Assistant, Department of Biology, UCLA. 1986-87.
Biological Aide, National Marine Fisheries Service, Honolulu, Hawaii. 1981-82.
Research Assistant to Director, Waikiki Aquarium, Honolulu, Hawaii. 1980-81.

TEACHING EXPERIENCE

Principles of Evolution: CSUF majors upper-division course. Spring 2008.
Behavioral Ecology: CSUF majors upper-division course. Spring 2005, Fall 2006.
Professional Aspects of Biology: Teaching Effectiveness: CSUF Graduate seminar. Fall 2004, Spring 2004, Fall 2005-2007, Spring 2009.
Elements of Biology: CSUF non-majors introductory course. Fall 2003, Fall 2004, Fall 2006.

Elements of Biology Laboratory: CSUF non-majors introductory lab course. Fall 2007.
Avian Field Biology: Soka University. Spring 2003 (four week field course).
Principles of Ecology: Soka University. Spring 2003. Wesleyan College, 1993 & 1994.
Genetics: Soka University. Fall 2002. Wesleyan College, 1994.
Biological Principles: Soka University. Spring 2002.
Introductory Ecology & Genetics: Knox College. Winter and Fall 1996, Spring 1997, Winter 1998, Fall 1999.
Evolution: Knox College. Winter 1997, Fall 1998.
Research Methods in Ecology: Knox College. Spring 1996, Spring 1998.
Behavioral Ecology (five week field course): Mountain Lake Biological Station, University of Virginia Summer 1994 and 1997.
Statistics for Field Biologists (five week field course): Mountain Lake Biological Station, University of Virginia Summer 1996.
Seminar on Mate Choice: Wesleyan College. Fall 1994.
Animal Behavior Research: University of Toronto. Spring 1992, Spring 1993.
Evolution of Social Behavior: University of Toronto. Spring 1991.

PUBLICATIONS

(Student authors in bold)

- Castro, Carina, Williams, Bethany** and Houtman, Anne M. submitted January 2010.
 Species and individual song recognition in *Calypte* hummingbirds. *Animal Behaviour*.
- Houtman, A.M. and Walker, S. 2009. Decreasing plagiarism: what works and what doesn't. *The Journal on Excellence in College Teaching* 20(4).
- Williams, B.** & Houtman, A.M. 2008. Song of the Costa's Hummingbird. *Auk* 125(3): 663-669.
- Houtman, A.M. and Presch, M. 2005. PowerPoint: Friend or Foe? In *Strategies for Success*. Spring 2005, Issue no. 43. Benjamin Cummings Publishers.
- Houtman, A.M. 2002. The response of squirrels to conspecific and heterospecific alarm calls. In *Exploring Animal Behavior in Laboratory and Field*, Bonnie J. Ploger and Ken Yasukawa, Editors. Academic Press.
- Inman, A.J. and Houtman, A.M. 2002. Whirligig beetles' anti-predator behavior. In *Exploring Animal Behavior in Laboratory and Field*, Bonnie J. Ploger and Ken Yasukawa, Editors. Academic Press.
- Lynn, S.**, Houtman, A.M. Ketterson, E. and Weathers, W.W. 2000. Testosterone increases activity but not daily energy expenditure in captive male dark-eyed juncos, *Junco hyemalis*. *Animal Behavior* 60(5):581-587.
- Collins, C.**, Houtman, A.M. 1999. Tan and white color morphs of White-throated sparrows differ in their non-song vocal responses to territorial intrusion. *Condor* 101:842-845.
- DeVoogd, T., Houtman, A.M. & Falls, J.B. 1995. Neural correlates of morph differences in white-throated sparrows that are associated with differences in song production rate. *Journal of Neurobiology* 28 (2): 202-213.
- Collins, S.A., Hubbard, C.** and Houtman, A.M. 1994. Female mate choice in the zebra finch: the effect of male beak colour and song. *Behavioural Ecology and Sociobiology* 35:21-25.
- Houtman, A.M. and Falls, J.B. 1994. Negative assortative mating in the white-throated sparrow: the role of mate choice and intra-sexual competition. *Animal Behaviour* 48:377-383.

- Brooks, D.R., Hoberg, E.P. and Houtman, A.M. 1993. Some platyhelminths inhabiting white-throated sparrows, *Zonotrichia albicollis* (Gmelin) (Aves: Emberizidae: Emberizinae), from Algonquin Park, Ontario, Canada. *Journal of Parasitology* 79(4), 610-612.
- Houtman, A.M. 1992. Female zebra finches choose extra-pair copulations with genetically attractive males. *Proceedings of the Royal Society B*, 249, 3-6.
- Houtman, A.M. 1990. The estrildid finches. In: *The Illustrated Encyclopedia of Birds*. Ed. C.M. Perrins. London: Marshall Editions.
- Houtman, A.M., Buth, D.G. & James, S.W. 1987. Human evolution. In: *Manual for Ecology, Evolution and Behavior, UCLA Biology*. ed. RR Vance. Chapter 5.
- Gilmartin, W.G., Morrow R.J. & Houtman, A.M. 1986. Hawaiian monk seal observations and captive maintenance project at Kure Atoll, 1981. U.S. Dept. Comm., NOAA Tech. Memo. NMFS. NOAA-TM-NMFS-SWFC-59.

GRANTS

Audubon Society Research Grant (w/ research students)	2008, 2007, 2006(2)
CSU Faculty Development Grant	2009, 2005, 2004
CSUF Faculty/Student Research Grant	2008(2), 2006(2), 2005
CSUF General Education Assessment Grant	2006
National Science Foundation Multi-User Instrumentation Grant for imaging equipment, co-Principal Investigator.	1999-2000
Illinois Department of Natural Resources Research Grant.	(awarded for 1999)
National Science Foundation Research Opportunity Award.	1995 - 97
Hughes Summer Faculty Research Grant (through Knox College).	1996
NALCO Grant for Ecology Teaching Equipment.	1996
Pratt Summer Research Fellowship, Mountain Lake Biological Station, University of Virginia.	1994
Royal Geographical Society Grant (fieldwork in Australia).	1989
British Ornithological Union Grant (fieldwork in Australia).	1989
Linnaean Society Grant (fieldwork in Australia).	1989
Frank Chapman Memorial Research Grant, American Museum of Natural History (fieldwork in Australia).	1989
Sigma Xi Research Grant (fieldwork in Australia, Hawaii).	1989, 1985

FELLOWSHIPS

National Science & Engineering Research Council Post-doctoral Fellow.	1992-94
Somerville College Scholarship.	1989-90
U.K. Overseas Research Scholarship.	1987-90
Fulbright Research Fellow.	1987-88
UCLA Biology Teaching Assistantship.	1986-87
National Science Foundation Pre-doctoral Fellow.	1983-86
UCLA University Fellowship.	1983-85
Pomona College Scholarship.	1979-83

CONFERENCE PRESENTATIONS AND INVITED LECTURES

(student authors in bold)

Houtman, A.M. 2008. Quoth the Hummingbird: Unlocking the Secrets of Song. *Living*

- Desert Lecture Series, Palm Desert, CA, 12 November 2008.
- Houtman, A.M. and K. Dickson. 2008. Anatomy of an Assessment Plan. Presented at the Institute on Assessment and Program Performance Review, California State University, Fullerton, 10 June 2008.
- Williams, B., C. Castro,** and A.M. Houtman. 2008. Song Playback Experiments in Anna's and Costa's Hummingbirds. Presented at Southern California Academy of Sciences annual meeting, California State University Dominguez Hills, 2-3 May 2008. (Won "Honorable Mention" for Biology)
- English, S.** and Houtman, A. 2008. Anthropogenic noise and song structure in Anna's hummingbird. Presented at Southern California Academy of Science annual meeting, California State University Dominguez Hills, 2-3 May 2008.
- Dickson, K. and Houtman, A. 2008. Assessment of Critical Thinking and Problem Solving in Biology. Presented at the Western Assessment Conference, California State University Fullerton, 20 March 2008.
- Castro, C., B. Williams,** and A.M. Houtman. 2008. Song Playback Experiments in Anna's and Costa's Hummingbirds. Presented at Southern California Animal Behavior Society annual meeting, 1 March 2008.
- English, S.** and Houtman, A. 2007. Anthropogenic noise and song structure in *Calypte* hummingbirds. Poster presentation at Society for the Advancement of Chicanos and Native Americans in Science annual meeting, Kansas City MO, October 11-14, 2007.
- Castro, C., B. Williams,** and A.M. Houtman. 2007. Song Playback Experiments in Anna's and Costa's Hummingbirds. Poster presentation at Society for the Advancement of Chicanos and Native Americans in Science annual meeting, Kansas City MO, October 11-14, 2007. (Won "Best Undergraduate Presentation in Ecology")
- Castro, C.** and Houtman, A. 2007. Song recognition in neighbor-stranger playback experiments in Anna's hummingbird, *Calypte anna*. Poster presentation at Southern California Academy of Science, Fullerton, CA, 1 June 2007.
- English, S.** and Houtman, A. 2007. Anthropogenic noise and song structure in *Calypte* hummingbirds. Poster presentation at Southern California Academy of Science, Fullerton, CA, 1 June 2007.
- Steen, L.** and Houtman, A.M. 2006. The song of the male Anna's hummingbird, *Calypte Anna*, in southern California. Poster presentation at Animal Behavior Society 43rd annual meeting, Snowbird, Utah, 12-16 August 2006.
- Williams, B.** and Houtman, A.M. 2006. Individual variation in the song of male Costa's hummingbirds. Poster presentation at Animal Behavior Society 43rd annual meeting, Snowbird, Utah, 12-16 August 2006.
- Schwiebert, K.** and Houtman, A.M. 2006. Micro-geographic distribution of song dialects in Anna's hummingbirds. Talk given at California Animal Behavior Symposium, University of California, San Diego, Saturday, 25 February 2006.
- Steen, L.** and Houtman, A.M. 2006. Song variation within and among populations of male Anna's hummingbird, *Calypte anna*. Talk given at California Animal Behavior Symposium, University of California, San Diego, Saturday, 25 February 2006.
- Casem, M.L., Hoese, W. and Houtman, A.M. 2005. Testing the efficacy of an embedded assessment of critical thinking. Presented at the Eighth CSU Regional Symposium on University Teaching, Cal Poly Pomona. 2 April 2005.

- Houtman, A.M. and Ono, J. 2003. Curricular transformation of general education biology at Cal State Fullerton. Poster presentation at Project Kaleidoscope Assembly: Shaping General Education Programs Focused on Scientific and Quantitative Literacy. New York City.
- Houtman, A.M. 1999. Sex and evolution. Keynote address for the Pew Consortium Undergraduate Research Symposium. Washington University, St. Louis, MO.
- Houtman, A.M, **Fry, C.** and **Grindstaff, J.** 1999. Conspecific brood parasitism in the house sparrow. Animal Behavior Society Meetings, Bucknell College, Lewisburg, Pennsylvania.
- Inman, A.J. & Houtman, A.M. 1999. Skate or Dive? Density dependent and frequency dependent alternative antipredation strategies in whirligig beetles, *Dineutus americanus*. Presented at the 1999 Annual Meeting of the Animal Behavior Society, Bucknell University, Lewisburg, PA, June 26-30, 1999.
- Klein, M., Reed, R.** and Houtman, A.M. 1999. Colony size and parental investment in the house sparrow. Midwest Animal Behavior Society Meetings, Bowling Green State University, OH.
- Boylan, N., Fry, C.** and Houtman, A.M. 1999. Male badge size and chick growth rate in the house sparrow. Midwest Animal Behavior Society Meetings, Bowling Green State University, OH.
- Fry, C., Grindstaff, J.** and Houtman, A.M. 1997. Extra-pair fertilizations and paternal care in the house sparrow. Pew Consortium Undergraduate Research Symposium. Washington University, St. Louis, MO.
- Houtman, A.M. 1994. Breeding ecology of the white-throated sparrow. Mountain Lake Biological Station, University of Virginia.
- Wylie, J.** and Houtman, A.M. 1994. Response of birds to inter-specific alarm calls. Georgia Academy of Sciences Annual Conference, Kennesaw, GA.
- Houtman, A.M. and Falls, J.B. 1992. Sex and morph differences in brain and behaviour in the white-throated sparrow. Animal Behaviour Society Meetings, Kingston, ONT, Canada.
- Houtman, A.M. 1991. Mate choice and intra-sexual competition in white-throated sparrows. Annual Conference of La Société Québécoise Pour L'Etude Biologique du Comportement, Montreal, PQ, Canada.
- Houtman, A.M. 1991. Sexual selection for heritable viability indicators in the zebra finch. EGI Field Ornithology Annual Conference.
- Houtman, A.M. 1990-91. Sexual selection in the zebra finch. York University, Toronto, Canada. Queen's University, Kingston, Canada. Dept. of Psychology, and Dept. of Zoology, University of Toronto, Toronto, Canada.
- Houtman, A.M. 1990. Mate choice for good genes in the zebra finch. Annual Conference of La Société Québécoise Pour L'Etude Biologique du Comportement, Sherbrooke, PQ, Canada.
- Houtman, A.M. 1990. Mate choice and extra-pair copulations in the zebra finch. Department of Zoology, La Trobe University, Melbourne, Australia.
- Houtman, A.M. 1989. Female zebra finches choose males more attractive than their mates for extra-pair copulations. Sexual Selection Conference, Assn. for the Study of Animal Behaviour, London Zoological Society.

PROFESSIONAL ACTIVITIES AND SERVICE

- Member, Science Academic Advisory Board, College Board. One of six scientists advising College Board on all programs, including SATs and Advanced Placement courses and exams.
- Member of Animal Behavior Society, Sigma Xi, Authors Guild and Textbook Authors Association.
- Member, Project Kaleidoscope Faculty for the 21st Century, a national organization focused on science education reform. 1994-present. F21 Leadership Mentor beginning Fall 2007.

Reviewer for American Zoologist, Animal Behaviour, Behavioural Ecology, Behaviour, Canadian Journal of Zoology, Ecology, and Proceedings of the Royal Society, numerous textbooks. Served on expert panel for College Board AP Biology exam, identifying “best practices” university courses to serve as models for a revised AP Biology curriculum and exam. Asked to write the model syllabus and associated activities for a full-year AP Biology course to be shared with AP Biology faculty, 2007.

Sponsored faculty development workshop on active learning in large general education science classes for faculty across southern California, with Benjamin Cummings Publishers. March 2004.

Offered Teaching Biology to Future Leaders Workshop. Co-funded by Project Kaleidoscope and Exxon-Mobil. Soka University. January 14-16, 2002.

Attended:

AAAS Transforming Undergraduate Education in Biology: Mobilizing the Community for Change Conference. Washington DC. July 15-17, 2009.

Second Life Essentials: How to Use Virtual Worlds in Education. Webinar Conference. April 6, 2009.

QEM Biology Workshop on NSF Programs. New Orleans, March 30-31, 2007.

CSUF Podcasting Workshop. May 28-30, 2007. Produced “First Time Teaching” podcasts to support TA training courses (<http://www.hummingbirdresearch.com/?p=71>).

CSUF Grant-writing Academy. January 18-22, 2004.

New Dean’s Seminar, Council of Colleges of Arts and Sciences. July 12-17, 2002.

Project Kaleidoscope Leadership Institute. Baca, Colorado. June 11-15, 2001.

National Science Foundation funded Curriculum Institute on Women, Science & Community to develop multidisciplinary Green Oaks term. 1997.

UNIVERSITY SERVICE

California State University, Fullerton

Member, Advisory Board for Environmental Studies Program (and Chair, Personnel Review Committee for the program) 2007 to present.

CSUF WASC Task Forces on Assessment of Student Learning Spring 2008 to present (Chair, 2008-09)

CSUF Ad-Hoc Committee on Assessment Spring 2008 to present.

CSUF Faculty Hearing Panel 2007 to present.

Biology Dept. Assessment Committee Fall 2003-present (Chair 2007-08).

Biology Dept. Curriculum Committee 2003-2007 (Chair, 2006-07).

Biology Dept. Graduate Advancement Committee 2004- 2006.

Tucker Wildlife Research Station Advisory Board Fall 2003-present.

Tucker Wildlife Research Station Faculty Committee Fall 2003-present.

Soka University

Faculty Performance Evaluation Committee 2001-2003 (Chair 2002-2003).

Assessment Committee 2002-2003.

Curriculum Committee 2000-2003.

Vice-chair of Executive Committee 2000-2002.

Academic Program Committee 2000-2002.

Moderator of Faculty Forum 2000-2002.

Faculty Enhancement Committee 2000-2001.

Hiring committees: Biology, Anthropology, Rhetoric & Composition, Foreign Language Program Director, 4 Language faculty, ESL & Reading specialists, Art & Photography. Course development committees: Core, Modes of Inquiry, Learning Clusters.

Knox College

Chair, Rhodes selection committee. 1997-99.

Chair, Marshall selection committee. 1997-99.

Watson selection committee. 1997-99.

Ford Fellows selection committee. 1997-99.

ACE/Kellogg project on Leadership and Institutional Transformation, 1996-98.

Faculty representative, Midwest Athletic Conference, 1996-97.

Head Resident, Office of Student Life. 1996-98.

Environmental Studies committee. 1995-99.

Director, Knox College Natural History collection. 1995-99.

COMMUNITY SERVICE

Aliso Creek Watershed Committee member. 2000-2002.

Chair, Curriculum Committee and Parent's Council. Community School. 1999-2000.

Spearheaded development of magnet school emphasizing inquiry-based learning. 1998-99.

Founder and President, Parents and Caregivers Group, The Children's School. 1996-99.

Presentations on birds, mammals and ecology. Various local schools. 1996-2000.

Educational field trips to Green Oaks. Various local schools and organizations. 1995-2000.