

## Curriculum Vitae

**Name:** Frederick E. Wasserman

**Present Position:** Assistant Professor (1977 - 1985)  
Associate Professor (1985 – Present)  
Biology Department  
Boston University  
Boston, Massachusetts 02215 USA  
Tel: (617) 353-2476 (or 2432)

**Degrees and Institutions:** B.S. SUNY at Stony Brook, 1971  
M.S. University of Maryland, 1974  
Ph.D. University of Maryland, 1977

**Memberships in Societies:** Amer. Assoc. for the Advancement of Science  
Amer. Ornithologists' Union (Elective member)  
Phi Beta Delta Honor Society  
Society of Sigma Xi

### Awards:

Voted "1996 Professor of the Year" by the Golden Key National Honor Society Boston University Chapter. Boston University students in the top 15% of the Junior and Senior class vote to determine the Professor of the Year.

Presented in 1997 "The Neu Family Award for Excellence in Teaching at the College of Arts and Sciences, Boston University"

Awarded the "2001 Metcalf Cup and Prize for Excellence in Teaching", Boston University's highest University award for teaching.

Awarded the 2005 College of Arts and Sciences Award for Excellence in Student Advising

### Publications:

Wasserman, F.E. 1977. Intraspecific acoustical interference in the White-throated Sparrow (*Zonotrichia albicollis*). *Animal Behaviour* 25: 949-952.

Wasserman, F.E. 1977. Mate attraction function of song in the White-throated Sparrow. *The Condor* 79: 125-127.

Wasserman, F.E. 1979. The relationship between habitat and song in the White-throated Sparrow. *The Condor* 81: 424-427.

Wasserman, F.E. 1980. Territorial behavior in a pair of White-throated Sparrows. *Wilson Bulletin* 92: 74-87.

Wasserman, F.E. 1982. The spatial distribution of singing and foraging in the territories of White-throated Sparrows. *The Canadian Journal of Zoology* 60: 2757-2760.

- Wasserman, F.E. and W.W. Cruikshank. 1983. The relationship between time of feeding and aggression in a group of captive Hamadryas Baboons. *Primates* 24: 432-435.
- Wasserman, F.E. 1983. Territories of Rufous-sided Towhees contain more than minimal food resources. *Wilson Bulletin* 95: 665-668.
- Clarke, J.A., B.A. Harrington, T. Hruby, and F.E. Wasserman. 1984. The effect of ditching for mosquito control on salt marsh use by birds in Rowley, Massachusetts. *J. of Field Ornithology* 55:160-180.
- Wasserman, F.E., C. Dowd, B. Schlinger, S.P. Battista, and T.H. Kunz. 1984. The effects of microwave radiation on avian dominance behavior. *Bioelectromagnetics* 5:331-339.
- Wasserman, F.E., C. Dowd, D. Byman, B.A. Schlinger, S.P. Battista, and T.H. Kunz. 1984. Aversion/attraction of Blue Jays to microwave irradiation. *Physiology & Behavior* 33:805-807.
- Wasserman, F.E., C. Dowd, D. Byman, B. Schlinger, S.P. Battista, and T.H. Kunz. 1985. Thermoregulatory behavior of birds in response to continuous wave 2.45 Ghz microwave radiation. *Physiological Zoology* 58: 80-90.
- Byman, D., F.E. Wasserman, B.A. Schlinger, S.P. Battista, and T.H. Kunz. 1985. Thermoregulation of budgerigars exposed to microwaves (2.45 Ghz, CW) during flight. *Physiological Zoology* 58: 91-104.
- Wourms, M.K. and F.E. Wasserman. 1985. Prey choice by Blue Jays based on movement patterns of artificial prey. *Can. J. Zool* 63: 781-784.
- Wourms, M.K. and F.E. Wasserman. 1985. Butterfly wing markings are more advantageous during handling than during the initial strike of an avian predator. *Evolution* 39: 845-851.
- Byman, D., S.P. Battista, F.E. Wasserman, and T.H. Kunz. 1985. Effect of microwave irradiation (2.45 Ghz CW) on egg weight loss, egg hatch ability and hatchling growth of the *Coturnix* Quail. *Bioelectromagnetics* 6:271-282.
- Wasserman, F.E., T. Lloyd-Evans, S.P. Battista, D. Byman, and T.H. Kunz. 1985. The effect of microwave radiation (2.45 Ghz CW) on the molt of House Finches (*Carpodacus mexicanus*). *Space Solar Power Review* 5:261-270.
- Wourms, M.K., and F.E. Wasserman. 1985. Bird predation on Lepidoptera and the reliability of beak-marks in determining predation pressure. *J. of the Lepidopterists' Society* 39:239-261.
- Byman, D., E.P. Demetri, F.E. Wasserman, S.P. Battista, and T.H. Kunz. 1986. Thermal Modeling of small birds exposed to microwave radiation (2.45 Ghz CW). *J. of Applied Ecology* 23: 449-459.
- Wasserman, F.E. 1986. Sexual differences in the spatial distributions of foraging in White-throated Sparrows (*Zonotrichia albicollis*). *The Auk* 103: 421-423.

Wasserman, F.E., D. Patterson, S.P. Battista, and T.H. Kunz. 1986. The chronic effects of continuous wave microwave radiation (2.45 Ghz) on the foraging behavior of the White-throated Sparrow. *Space Solar Power Review* 6:99-105.

Morimoto, D., and F.E. Wasserman. 1991. Intersexual differences in the foraging behavior of Rufous-sided Towhees, Common Yellowthroats and Prairie Warblers in the pine barrens of Southeastern Massachusetts. *J. Field. Ornithology* 62: 436-449.

Morimoto, D., and F.E. Wasserman. 1991. Dispersion patterns and habitat selectivity of three common breeding birds in the southeastern Massachusetts pine barrens. *The Auk* 108: 264-276.

Wasserman, F.E., and J.A. Cigliano. 1991. Song output and stimulation of the female in White-throated Sparrows. *Behavioral Ecology & Sociobiology* 29: 55-59.

Schimmel, L., and F.E. Wasserman. 1991. An interspecific comparison of individual and species recognition in the passerines *Turdus migratorius* and *Cyanocitta cristata*. *Behaviour* 118:115-126.

Schimmel, L., and F.E. Wasserman. 1994. Individual and species preference in two passerine birds: auditory and visual cues. *The Auk* 111: 634-642.

Wasserman, F.E. 1997. Avian Niche Partitioning. Proceedings of the 18<sup>th</sup> Workshop/Conference of the Association for Biology Laboratory Education (ABLE). Jon C. Glase, Editor.

Wasserman, F.E., M.J. Hersek, M.A. Frankel, J.A. Cigliano, D.C. Morimoto, J. Moran. 1998. Evolutionary lag in Cowbird nestling recognition by Ovenbirds. *Bird Observer* 26:229-235.

Hersek, M.J., M.A. Frankel, J.A. Cigliano, F.E. Wasserman. 2002. Brown-Headed Cowbird parasitism of Ovenbirds in suburban forest fragments. *The Auk* 119:240-243.

<http://www.bioone.org.ezproxy.bu.edu/doi/pdf/10.1642/0004-8038%282002%29119%5B0240%3ABHCPOO%5D2.0.CO%3B2>

Morimoto, D.C., M. A. Frankel, M. Hersek, and F.E. Wasserman. 2012. Forest Fragmentation Effects on Ovenbird Populations in the Urban Region of Eastern Massachusetts, USA. *Urban Habitats*, March 2012, Volume 7. [http://urbanhabitats.org/v07n01/forestfragmentation\\_full.html](http://urbanhabitats.org/v07n01/forestfragmentation_full.html)

Bauböck, L., A.J. Miller-Rushing, R.B. Primack, T.L. Lloyd Evans, and F.E. Wasserman. 2012. Climate change does not affect protandry in seven North-American Passerines. *The Wilson Journal of Ornithology* 124(2) 208-216.

<http://www.bioone.org/doi/full/10.1676/11-087.1>

<http://dx.doi.org/10.1676/11-087.1>

### **Recent Presentations:**

Elizabeth Rice and Fred Wasserman. Multimedia Resources for Teaching Evolution and Genetics: Howard Hughes Medical Institute (HHMI) Biointeractive. Experimental Biology Conference, Boston 2015, March 30, 2015

Fred Wasserman and Elizabeth Rice. HHMI Professional development workshop presentation at the Association for Biology Education (ABLE) Conference in Boston, MA, June 25, 2015

Fred Wasserman, Elizabeth Rice, Sandra Blumenrath. *Coupling Multimedia Resources and Primary Literature in Introductory Biology*: 2015 National Association of Biology Teachers (NABT) Professional Development Conference. Friday, November 13, 2015. Providence, Rhode Island.