

*Curriculum vitae***JONATHAN G. WAY**


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Born: April 9, 1975, Cape Cod, Massachusetts

Personal webpage: Eastern Coyote Homepage: <http://www2.bc.edu/~wayjo>

**PROFESSIONAL OBJECTIVE:** To be a renowned field biologist and science educator with a focus in research techniques, animal behavior, ecological and population processes, conservation issues, evolution, and interspecific interactions.

**EDUCATION**


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**Graduate:** Ph.D. candidate, in progress, Boston College, Lynch School of Graduate Education and Environmental Studies Program -- Area of concentration: Science Education

Advisors: Dr. Michael Barnett and Dr. Eric Strauss. *Expected completion - May 2005*

- Teaching assistant ships held: Animal Behavior (BI445) – spring 2001 & 2002, Anatomy and Physiology (BI131 & BI133)– fall 2001, 2002 & spring 2002, 2003 and General Biology (BI210) - fall 2001

**Graduate: Master of Science, received May 2000 - Thesis** titled “**Ecology of Cape Cod coyotes (*Canis latrans* var.)**”

University of Connecticut, Storrs – Dept. of Natural Resources Mgmt and Engineering

Area of concentration: Wildlife Conservation --Advisor: Dr. I. Morty Ortega

- Fall 1999 - Teaching Assistant for Dr. David Miller – Natural Resources Measurements (NRME242)
- Public presentations (>30), covering a spectrum of audiences (max=165 people), given on Cape Cod coyotes throughout New England.

**Undergraduate: Bachelor of Science,** University of Massachusetts, Amherst, MA - College of Food and Natural Resources, Major: **Wildlife Biology and Conservation, Class of 1997**

- **GPA 3.77/4.00** -- Dean’s List six semesters
- Member of the Wildlife Society -- Awarded Marlin Perkins Scholarship
- Awarded UMass Alumni Scholarship -- Received Red Card for forest firefighting
- Finalist for the National William Field Scholarship
- Member of the Honors Program (Commonwealth and Departmental Scholar)
- Completed **Honors Thesis** titled “Baseline data on the interactions of a population of white-tailed deer, eastern coyote and red fox inhabiting a barrier beach ecosystem on Cape Cod, Massachusetts”

**PEER-REFEREED PUBLICATIONS**


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Way, J. G., I. M. Ortega, and E. G. Strauss. 2004. Movement and activity patterns of eastern coyotes in a coastal, suburban environment. *Northeastern Naturalist* 11(3): 237-254.

Way, J. G., I. M. Ortega, and P. J. Auger. 2002. Eastern coyote home range, territoriality and sociality on urbanized Cape Cod. *Northeast Wildlife* 57: 1-18.

Way, J. G. Radio-collared coyote crosses Cape Cod Canal. *Northeast Wildlife*. 57: in press.

Way, J. G., and J. Horton. 2004. Coyote kills harp seal. *Canid News* 7.1 [online].  
URL: [http://www.canids.org/canidnews/7/Coyote\\_kills\\_harp\\_seal.pdf](http://www.canids.org/canidnews/7/Coyote_kills_harp_seal.pdf)

Way, J. G., and E. G. Strauss. 2004. Old-aged coyote in an urbanised landscape. *Canid News* 7.2 [online]. URL: [http://www.canids.org/canidnews/7/Old\\_aged\\_coyote.pdf](http://www.canids.org/canidnews/7/Old_aged_coyote.pdf)

- Way, J. G, P. J. Auger, I. M. Ortega, and E. G. Strauss. 2001. Eastern coyote denning behavior in an anthropogenic environment. *Northeast Wildlife* 56: 18-30.
- Way, J. G. 2003. Description and possible reasons for an abnormally large group size of adult eastern coyotes observed during summer. *Northeastern Naturalist* 10(3): 335-342.
- Way, J. G., I. M. Ortega, P. J. Auger, and E. G. Strauss. 2002. Box-trapping eastern coyotes in southeastern Massachusetts. *Wildlife Society Bulletin* 50(3): 695-702.
- Way, J. G. Hand-rearing a litter of eastern coyotes. Under Review. *International Zoo Yearbook*.
- Way, J. G. Survival of Orphaned 8-week old wild eastern coyote pups. Under Review.
- Way, J. G., D-L M. Szumylo , E. G. Strauss. An ethogram developed on captive eastern coyotes. Under review. *Canid News*.
- Way, J. G. A synthesis of eastern coyote (*Canis latrans* var.) taxonomy: what is known and what needs to be done? Under Review. *Journal of Wildlife Management*.
- Way, J. G., and R. L. Proietto. Possible record size female Coyote (*Canis latrans*). Under Review. *Canadian Field-Naturalist*.
- Way, J. G., et al. Activity patterns of a captive group of eastern coyotes. In preparation
- Way, J. G., et al. Social behavior of a captive group of eastern coyotes. In preparation.
- Way, J. G. Socialization of a wild caught litter of 3.5-week-old eastern coyote pups. In preparation.

#### **ADDITIONAL PUBLICATIONS**

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- Way, J. 2003. Eastern coyote ecology on urbanized Cape Cod, Massachusetts. Proceedings of the 59<sup>th</sup> Northeast Fish and Wildlife Conference (abstract).
- Way, J. 2002. Eastern coyote behavior on Cape Cod. Proceedings of the 7<sup>th</sup> annual Cape Cod Natural History Conference (abstract).
- Way, J. G. 2001. The eastern coyote: documenting the habits of one of Cape Cod's newest residents. *Conservation Perspectives*, the online journal of the New England Chapter of the Society for Conservation Biology.  
<http://www.nescb.org/epublications/spring2001/coyotes.html>.
- Way, J. 2001. Eastern coyote ecology on Cape Cod. Proceedings of the 6<sup>th</sup> annual Cape Cod Natural History Conference (abstract).
- Way, J. G, and I. M. Ortega. 2000. Ecology of eastern coyotes on suburban Cape Cod, Massachusetts. Proceedings of the 80<sup>th</sup> annual meeting of the American Society of Mammalogists, University of New Hampshire, Durham (abstract #29).

Way, J. G. 2000. Ecology of Cape Cod coyotes. Masters Thesis. University of Connecticut, Storrs. 107 pp.

Way, J. 1998. Coyote research on Cape Cod. Massachusetts Wildlife 4:25-27.

Way, J. 1998. A scientific investigation of Cape coyotes. Barnstable Patriot. 24 September.

Way, J. G. 1996. Baseline data on the interactions of a population of white-tailed deer, eastern coyote and red fox inhabiting a barrier beach ecosystem on Cape Cod, Massachusetts. Honors Thesis, University of Massachusetts, Amherst. 35 pp.

### **PRESENTED RESEARCH PAPERS AT PROFESSIONAL CONFERENCES**

Defenders of Wildlife Carnivore Conference (2004)

Northeast Fish and Wildlife Conference (2003)

Cape Cod Natural History Conference (2001, 2002)

American Society of Mammalogists 80<sup>th</sup> Annual Meeting (2000)

### **PROFESSIONAL CONFERENCES ATTENDED**

National Association of Research on Science Teaching - NARST (2004)

Wolves and Human Communities: Biology, Politics, Ethics (1998)

### **REVIEWER OF PEER-REFEREED JOURNAL ARTICLES**

Wildlife Society Bulletin (3 manuscripts)

### **RESEARCH EXPERIENCE**

**Principal Investigator**, studying eastern coyote ecology, 2 study sites: Cape Cod (1998-present) and Boston (2002-present). Long-term study planned on both populations.

- Activities involve box trapping, radio-collaring and radio-tracking coyotes for studies of home range sizes, movement and activity patterns, sociality and territoriality.

**Principal Investigator** studying a captive pack of eastern coyotes at the Stone Zoo, part of Zoo New England, started spring 2002. Long-term behavioral study planned.

- Activities involve bottle-feeding and raising a litter of coyote pups, developing an ethogram on observed behaviors, video-analysis of behaviors, continued socializing of the coyotes as they mature, and development of a curricula for high school students.

**Private contractor** for Mashantucket Pequot Tribe in Ledyard, CT - Summer 2000

- Hired to live-trap coyotes and foxes for a radio-telemetry study using padded leg-hold and box traps
- Responsible for locating, deploying, checking and maintaining numerous trap sites

**Yellowstone Gray Wolf Restoration Project**, Volunteer Wolf Intern Biologist –5-6/1996

- Monitoring active wolf (*Canis lupus*) den sites for activity of pups and interactions with conspecifics and prey
- Monitoring and feeding of wild, captive wolves in holding pens
- Office work entering radiotelemetry data of wolf locations into computers

**Research Experience for Undergraduates (REU) grant**, UMass-Boston and National Science Foundation, Research Biologist - Summer 1994

- Studied the demographic patterns of a population of white-tailed deer
- Influences of a resident coyote (*Canis latrans*) family on the deer (*Odocoileus virginianus*) herd were investigated, including den and rendezvous site observations of pups

**Research Assistant** for Dr. Peter Auger, Boston College adjunct professor and Barnstable High School science teacher - Fall 1992 - Summer 1997

- Activities involved transect analysis of fox, coyote and deer, infrared videotaping, darting attempts of deer, tracking and activity budgets of radio-collared deer, stalking techniques of radiocollared deer, trapping of deer, blind work, spotlighting, video-photography, triangulation (e.g., core ranges of deer), guest lectures to high school students, deer tick/white-footed mouse Lyme disease study, coyote den-site observations, baiting, and canid howling surveys

## **WORK EXPERIENCE**

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**Wild Animal Keeper**, Bronx Zoo: June 2000 – January 2001

- Responsible for daily maintenance of mammals ranging from primates, big cats, hoofstock, elephants, rhinos and giraffes to mongooses, rodents, and birds
- Knowledge in medicating, monitoring animal well-being on a daily basis, assisting with immobilization procedures, animal training, providing animal enrichment, preparing diets, shifting animals, and maintaining safe and aesthetically pleasing exhibits

**Head Camp Counselor** for Track and Field – Town of Barnstable, MA - Summer 1999

- Monitored, supervised and instructed both staff and campers (15) of middle-school age

**Substitute teacher** at Barnstable High School – full time 2/1998-6/1999, part-time 9/01-present

- Responsible for disciplining and instructing students
- Taught while conducting full time research for a M.S. at UConn and a Ph.D. at Boston College

**Assistant Track and Cross Country Coach** at Barnstable High School - Spring 1998, Fall 1998, Spring 1999, under coach Don Smith

- Responsible for teaching, training, disciplining, and helping athletes in preparation for state level competition

**Sandy Neck Ranger**, Barnstable Conservation Area, Barnstable, MA - Summers 1995 & 1997

*Worked under the general supervision of the Chief Ranger but performed responsible duties requiring independent judgment and initiative in evaluating conditions*

- Responsible for enforcing rules and regulations, including: alcohol policy, curfew, fireworks, speed limit, fire permits, natural resource violations, beach access
- Verbal, written warnings or citations were issued as deemed appropriate for violations occurring on Sandy Neck
- Gatehouse duties involving regular large sums of money and written daily and weekly reports
- General maintenance of the conservation area, including putting fencing and signs up to keep people away from highly eroded areas, setting up closures and regular monitoring of endangered piping plovers and least terns

Worked for Timothy Way at **Way's Center News**, clerk, part time - 6/90-3/00

- Worked at a register offering services for customers and transfers of large sums of money
- Stocked shelves with magazines and put together Sunday newspapers
- Responsible for opening and closing of news stand including counting daily money revenue

## **ACTIVITIES**

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**Scholarship Athlete for Varsity X-Country, Indoor & Outdoor Track and Field at UMass**

- Competed in Atlantic 10, New England, and IC4A Championship meets
- Member of 1995 & 1996 All-A10 Conference Team
- 1991 and 1992- Member of Mass. All-State Cross Country and Track Team in High School