

Meredith A. Barrett

Graduate Program in Ecology, Duke University

*P.O. Box 90328, Durham, NC 27708
831.869.0381; meredith.barrett@duke.edu*

E D U C A T I O N

DUKE UNIVERSITY, Durham, NC
Ph.D. Program in Ecology, Advisor: Dr. Anne Yoder

August 2006-Present

WESLEYAN UNIVERSITY, Middletown, CT
B.A: Earth & Environmental Sciences, Phi Beta Kappa

September 1999-May 2003

R E L E V A N T E X P E R I E N C E

CONSULTING BIOLOGIST, Bioko Biodiversity Protection Program, Malabo, Equatorial Guinea
January-June 2006

Conducted census surveys throughout Bioko Island to assess population status of seven diurnal primate species. Assisted with the design and implementation of a proposed scientific research station, developed educational materials, presented to local funders, facilitated a collaborative research partnership with the National University of Equatorial Guinea, and acted as translator.

DATA ANALYST, U.S. Fish & Wildlife Service, Alaska Maritime NWR
September-November 2005

Collated, organized, and analyzed more than seven years of seabird diet sample data for inclusion in FWS annual report. Worked independently as a contractor to develop data management strategies.

BIOLOGICAL SCIENCE TECHNICIAN, U.S. Fish & Wildlife Service, Alaska Maritime NWR
May-September 2005

Worked on remote island in the Aleutian Island chain for three months, conducting research on 14 nesting seabird species. Gathered data on productivity, breeding chronology, survival, population status, and diet preferences. Utilized mist-net, noose-pole, and burrow-searching techniques. Handled all species, banded, and completed morphological measurements. Analyzed data and completed 3 annual reports. Completed DOI small-boat certification.

WILDLIFE FIELD TECHNICIAN, Department of Natural Resources, Grand Rapids, MN
January-April 2005

Conducted detailed field research on white-tailed deer nutrition, survival, and reproductive success. Trapped and handled deer in harsh winter conditions to draw blood samples; catheterized for urine samples, extracted teeth for ageing, and conducted morphological measurements. Monitored deer and wolf movement with aerial and ground radio telemetry. Utilized GPS units, compass, and conducted snow-urine collection for chemical analysis. Learned vegetation identification for browse study, and completed winter severity measurements. DNR-certified in snowmobile operation, including skills in snowmobile maintenance, 4-WD vehicle operation, and hauling with a trailer.

INTERPRETIVE DOCENT, Pt. Lobos State Reserve, Carmel, CA
February 2004-January 2005

Served as key interpretive guide for visitors. Graduated from four-month training program that sharpened a comprehensive knowledge of flora, fauna, and geology of the coastal area. Led school and public hikes, monitored trails, and provided information.

BIOLOGICAL FIELD RESEARCHER, Nyanza Project, Kigoma, Tanzania
June-September 2003

Selected to work on this intensive REU funded by NSF and University of Arizona. Designed and conducted independent benthic SCUBA survey of endemic gastropod species in littoral zone of Lake Tanganyika. Completed quadrat counts, biomass

quantification, habitat description, and morphological measurements. Conducted statistical analyses and presented findings in annual report and at final conference.

RESEARCH ASSISTANT/CONSERVATION VOLUNTEER, Fundación Jatun Sacha, Ecuador

February-May 2002

Volunteered with non-profit environmental organization, participating in conservation, reforestation, and community work in three regions of Ecuador. Assisted Eco-Ciencia research group on Andean spectacled bear population study, as well as conducted independent research projects investigating howler monkeys and caiman.

TECHNICIAN, Earth & Environmental Sciences Department, Wesleyan University, CT

May 2000-May 2001

Utilized titrator to analyze CO₂ in water samples from Long Island Sound for inclusion in an environmental status report.

TECHNICIAN, Earth & Environmental Sciences Department, Wesleyan University, CT

September 1999-December 2000

Weighed and analyzed deep-sea core samples from Antarctica to include in climate change research project. Honed technical laboratory and organizational skills.

CONSERVATION VOLUNTEER, Australian Trust for Conservation Volunteers, Australia

March-May 1999

Participated in reforestation and invasive species eradication in several Australian national parks.

L E A D E R S H I P / T E A C H I N G E X P E R I E N C E

COMMUNITY OUTREACH COORDINATOR, Big Sur Environmental Institute, Big Sur, CA

January 2004-January 2005

Developed environmental education programming and revenue-generating activities. Acted as liaison between the public, Los Padres National Forest, and environmental center. Built foundations for positive community collaboration with commercial, conservation, academic, and arts organizations. Interacted with the public through natural interpretation programs, presentations, hikes, and site visits. Coordinated volunteers. Monitored vegetation and wildlife activity.

EDUCATION COORDINATOR ASSISTANT, Ventana Wilderness Society, Salinas, CA

February-December 2004

Designed, equipped, and led multi-day backpacking trips with underserved youth. Taught survival, team-building skills, and natural history information. Assisted in the development, organization, and teaching of the Natural Science After-School Program and the Natural Science Discovery Camp for young adults. Mentored students in outdoor skills, observation, and scientific monitoring projects.

TRANSCONTINENTAL BICYCLIST, Half Moon Bay, CA to Crescent Beach, FL

September 2003-November 2003

Successfully crossed the United States by bicycle, covering 4,000 miles. Fully self-sufficient for cooking and camping.

FOUNDER/PRESIDENT, Wesleyan Triathlon Club, Middletown, CT

September 2002-June 2003

Attained official club status and funds for this group of multi-sport athletes. Raised \$1,200 for salaries and equipment. Competed in USA Triathlon Nationals.

SCIENCE TEACHER, Action Science Kids (ASK) Organization, Middletown, CT

September 2002-May 2003

Developed hands-on science experiments for fifth grade students to increase involvement and enthusiasm of young adults in this field.

CO-PRESIDENT, Wesleyan University Outdoors Club, Middletown, CT

August 2000-December 2001

Managed and operated the Wesleyan Outdoors Club, the biggest interest organization on campus with 325 active members. Organized programs ranging from white-water kayaking to instructional talks on low-impact camping.

CAPTAIN, Wesleyan University Track and Field, Middletown, CT

September 2000-June 2001

Served as captain for highly successful women's track and field team. Assumed leadership responsibilities for team when coach departed. Competed on a 400-meter relay in the NCAA Championships. Hold five school records.

ADVENTURE TRIP LEADER, Overland, Inc., Williamstown, MA

June 2000-August 2000

Directed two multi-week bicycle trips covering 600 miles on Cape Cod and in Maine. Managed 12 young adults, equipment, and itinerary.

P U B L I C A T I O N S & P R E S E N T A T I O N S

Barrett, MA, Morano S, DelGiudice GD, and Fieberg J, in preparation. Evaluating capture success of white-tailed deer when supplementing corn baits.

Barrett, MA, Stoertz A, and Stoertz R. 2006. The bushmeat market in Equatorial Guinea: Evaluating drivers, consequences, and potential solutions. Exxon Mobil, Inc. Presentation for the Educational Training Program. May 2006.

Barrett, MA, Andersen EM, Murphy MA, and Sapora SF. 2005. Biological monitoring at Buldir Island, Alaska in 2004: Summary appendices. U.S. Fish and Wildl. Serv. Rep. AMNWR 05/19. Homer, Alaska. 126 pp.

Andersen, EM and Barrett MA. 2005. Biological Monitoring at Buldir Island, Alaska in 2005: Summary Appendices. USFWS Administrative Report. AMNWR 09/05. Homer, AK. 135 pp.

Barrett, MA. 2004. A new place to bird in Big Sur? Audubon Society Sanderling 62: 5.

Murphy, NM, Williams JC, Andersen EM, and Barrett MA. 2005. Biological Monitoring at Buldir Island, Alaska in 2003: Summary appendices. U.S. Fish and Wildl. Serv. Rep. AMNWR 05/17. Homer, Alaska. 125 pp.

Barrett, M, Bishobibiri AB, and Catron J, 2003. Why do Tanganyikan gastropods have patchy distributions? Abundance, Diversity, and Species Distribution in relation to Abiotic and Biotic Parameters. The Nyanza Project Annual Report, 2003. Presentation at University of Dar es Salaam, Tanzania. August, 2003.

H O N O R S A N D A W A R D S

Phi Beta Kappa, Wesleyan University	May 2003
NSF Graduate Research Fellowship, Honorable Mention	April 2006
Wesleyan University Deans List	May 1999-2003
NSF REU Participant	June-August 2003
Bank of America Award for Math	June 1998
National Merit Commended Scholar	June 1998
Princeton Award for Academic Achievement	June 1998
National Honor Society	May 1998-2003
NCAA All-American Scholar-Athlete	May 2001
NESCAC Scholar-Athlete First Team	May 1999-2001
New England Division III Champion	May 2001
Golden Gate Tip-Toppers, Finalist	May 1998
Chris Zider Scholar-Athlete Award	April 1997

S K I L L S A N D I N T E R E S T S

Wilderness First Responder, Quito, Ecuador, 2002/Recertified 2005

10-day intensive backcountry wilderness emergency medicine certification by SOLO Wilderness School.

PADI Advanced Open Water Diver, Cairns, Australia, 1999

Special certifications: Search and Recovery, Night Diving, Deep Diving

Small Boat Handling Certification, Department of the Interior, AK, May 2005

Completed the 3-day intensive course on boat safety, trailering, and motoring of small skiffs.

Snowmobiling Certification, MN DNR, Grand Rapids, MN, January 2005

Earned safety, operation, trailering, and maintenance certification for snowmobiles. Used snowmobile for research daily for 3 months.

Tracking Courses, Institute of Nature Awareness and Wildlife Associates, Half Moon Bay, CA

Computers: Proficient in GPS, ArcView GIS, MS Excel, MS Word, MS PowerPoint, and Mac/PC operating systems.

Languages: Written and conversational Spanish.

Interests: Backpacking, biking, traveling, mountaineering, guitar, running, triathlons, yoga, tracking, climbing and cooking.

R E F E R E N C E S

Dr. Anne Yoder, Professor, Department of Biology and Biological Anthropology & Anatomy; Director of the Duke University Lemur Center, Duke University, Box 90338, Durham, NC 27708; (919) 660-7275; F: (919) 660-7293; anne.yoder@duke.edu

Dr. Charles Mitchell, Professor, Department of Biology and Ecology, University of North Carolina at Chapel Hill CB #3280, Coker Hall, Chapel Hill, NC 27599-3280; (919) 843-7745; mitchell@bio.unc.edu

Dr. Glenn DelGiudice, Research Biologist, Minnesota Department of Natural Resources; Adjunct Professor of Fisheries, Wildlife & Conservation Biology, University of Minnesota
MNDNR-Forest Wildlife Populations & Research Group, 1201 East Hwy 2, Grand Rapids, MN 55744
(218) 327-4131; F: (218) 999-7944; glenn.delgiudice@dnr.state.mn.us

Mr. Jeff Williams, Wildlife Biologist, Alaska Maritime National Wildlife Refuge
95 Sterling Highway, #1 Homer, AK 99603-7472; (907) 226-4612; F: (907) 235-7783; jeff_williams@fws.gov

Mr. Richard Tobin, Conservation Partnerships Director, Los Padres National Forest and Big Sur Environmental Institute, Los Padres National Forest, 6755 Hollister Avenue, Suite 150, Goleta, CA 93117,
(805) 895-6926; F: (805) 961-5729; rtobin@fs.fed.us

Dr. Janet Yun, Former Professor of Earth and Environmental Sciences at Wesleyan University
Chevron North America E & P, Deepwater Exploration & Projects, Western Gulf of Mexico, 1500 Louisiana St., Houston, TX 77002; (832) 854-3641; F: (832) 854-2667; JanetYun@ChevronTexaco.com

Dr. Peter Patton, Vice President and Senior Advisor to the President, Wesleyan University
North College, Wesleyan University, Middletown, CT 06459; (860) 685-2268; ppatton@wesleyan.edu