

JEAN B. EVERETT

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EDUCATION

Ph.D., 1994. Forest Ecology and Botany. North Carolina State University, Raleigh, NC.

Thesis Title: Below ground competition between pine seedlings and herbaceous competitors; experimental examination of biomass accumulation and distribution above and below ground, water stress, and nutrient uptake. Thesis Advisors: Tom Wentworth and Chuck Davey.

M.S., 1985. Environmental Sciences (Ecology). University of Virginia, Charlottesville, VA.

Thesis Title: Mechanisms of community establishment in secondary succession; experimental examination of developing plant communities, the seed bank and the seed rain at distances away from a forest edge at two sites. Thesis Advisor: Ed Connor.

B.S., *magna cum laude*, 1980. Forest Resources Management. Virginia Polytechnic Institute and State University, Blacksburg, VA.

PROFESSIONAL EXPERIENCE

2004 – present: Senior Instructor, Department of Biology, College of Charleston, Charleston, SC (teaching portfolio, 2000, sabbatical leave, Fall 2005)

Courses: General Biology (101, 102, 112, 112L), Plant Taxonomy (301, 301L), Field Botany of SC (453, 4 credit Maymester), Botany (300, 300L), General Ecology Lab (341L), Introduction to Environmental Studies (co-instructor) (ENVT 200), Topics in Botany for Teachers (SMFT 537, 4 credit graduate).

Departmental Committees: Assessment (multiple times, chair twice), Chair's Advisory, Curriculum, General Biology Steering, Long Range Planning (chair), Mentor, Scholarships and Awards (multiple times, chair twice); Search Committees: Plant Physiology, Animal Behavior, Department Chair, Invertebrate Zoology, Plant Ecology, Instructor.

College Committees: Campus Identity Conversation (ad hoc), Campus Tree (ad hoc, chair), Dixie Plantation Planning, Dixie Plantation Director Search, Emergency Notification System (ad hoc), First Year Experience, Faculty Grievance (alternate once, chair once), Long Range Planning Committee Working Group, M.Ed. for Teachers in Science and Math Steering, Presidential Advisory

Graduate Student Committees: Tom Smith, MES (2011), Becky Gregory, GPMB (2007), Gabriella Kirby, MES (2006, chair), Michael Newman, SMFT (2005, capstone advisor), Chrissa Stroh, MES (2004), Marilyn Laserna, MES

Additional College Service Highlights: departmental liaison to the Dixie field station; consultations with students, faculty and administrators on management at Dixie Plantation; consultations with MES students on the College's Native Species Garden and the Brittlebank Park Buffer Garden; Safe Zone ally for GLBT students

1998 – 2004: Instructor, Department of Biology, College of Charleston, Charleston, SC.

1995 – 1998: Adjunct instructor, Department of Biology, College of Charleston, Charleston, SC.

1993 – 1998: Adjunct instructor, Department of Biology, The Citadel, Charleston, SC.

1989 – 1990: Visiting Professor, University of Virginia, Blandy Experimental Farm, Boyce, VA. Summer course in Field Botany.

CONSULTING CONTRACTS AND GRANTS, 1990 TO PRESENT:

- 2013: USDA Forest Service. Various activities to support the Forest Botanist, including vegetation inventories and delineations, digital information review, contributions to restoration and planning, monitoring for invasive species and conducting native plant identification workshops. In progress. \$24,000.
- 2012: Faculty Technology Institute, themed to bring faculty up to date with techniques to teach to the current technology-focused generation of students (\$500 stipend).
- 2012: SC Department of Natural Resources. Plant and habitat surveys on Longleaf Pine Heritage Preserve (843 acres) and Lynchburg Savanna Heritage Preserve (291 acres) in Lee County, SC, including preparation of Element Occurrence Records for rare plants. \$2,490 for May survey (sole source).
- 2012: USDA Forest Service. Re-survey of 2,055 acres of special botanical areas in Berkeley and Charleston Counties in the Francis Marion National Forest, originally identified by Richard Porcher (emeritus, The Citadel) in the 1970's and 1980's, and re-surveyed by Dr. Porcher after Hurricane Hugo. Each area was evaluated for current ecological condition and threats. This contract required me to learn GIS. \$9,766.
- 2010: SC Department of Natural Resources. *Oxypolis canbyi* population survey on Longleaf Pine Heritage Preserve and possible *O. canbyi* population at Lynchburg Savanna Heritage Preserve in Lee County, SC. \$480 (billed \$1,000 but was caught in SC state spending freeze) (sole source).
- 2002-2009: The Nature Conservancy. Periodic monitoring (usually 3 times per year) of plant diversity and ecological conditions at two bogs protected by TNC easement on The Bluff Plantation, Berkeley County, SC. \$1,500 per year.
- 2003-2009: Ecological restoration in a 250 hectare Piedmont pine plantation. Seed bank analysis (with Gabriella Kirby, MES); post-thinning plant community evaluation with and without deer grazing (with ~a dozen undergraduate Biology students); comparison of plant community and ecological factors on wet vs. dry side of mafic bluff (with Tadj Schreck, Honors Thesis). \$850 from Biology R&D, \$1,434 from College R&D (2 awards), additional support from landowners. This project is currently on hiatus.
- 2009: USDA Forest Service. Survey to evaluate longleaf savanna restoration potential on 1,274 acres in the Francis Marion National Forest, Berkeley County, SC. \$6,370. This contract developed into a significant service and professional development project as I developed a 12-point Ecological Integrity Matrix specifically for the Francis Marion that allows quick, qualitative assessments of habitat quality. I also worked extensively with colleagues on the project to help refine NatureServe descriptions of wet pine savannas in the Francis Marion.
- 2009: USDA Forest Service. Rare plant and habitat survey on 3,363 acres of the Francis Marion National Forest, Charleston and Berkeley Counties, SC. \$20,178.
- 2009: SC Department of Natural Resources. Rare plant and habitat surveys on Longleaf Pine Heritage Preserve (843 acres) and Lynchburg Savanna Heritage Preserve (291 acres) in Lee County, SC. \$3,700 for 2 surveys (May and August) (sole source).
- 2008: USDA Forest Service. Non-native invasive species survey on ~1,300 acres in the Francis Marion National Forest, Charleston County, SC. \$2,500 (sole source).
- 2008: SC Department of Natural Resources. Rare plant and habitat survey on Longleaf Pine Heritage Preserve (843 acres) and Lynchburg Savanna Heritage Preserve (291 acres) in Lee County, SC. \$2,500 (sole source).
- 2007: USDA Forest Service. Rare plant and habitat survey on 2,878 acres of the Francis Marion National Forest, Charleston and Berkeley Counties, SC. \$14,390.

- 2007: USDA Forest Service. Cogongrass survey in the Francis Marion National Forest, Charleston and Berkeley Counties, SC. \$2,500 (sole source).
- 2003: First Annual Faculty Technology Institute, College of Charleston (\$1,500). Assessment project on the effectiveness of technology in the classroom, conducted as a part of my participation in this FTI, 2003-2004; results presented to Dean's and Chairs Mini-Faculty Technology Institute, 17 December 2003.
- 2003: Rare plant survey for waterline in Town of Awendaw, SC. \$1,000.
- 2002: USDA Forest Service. Rare plant and habitat survey on 3,232 acres of the Francis Marion National Forest, Charleston and Berkeley Counties, SC. \$16,160.
- 2002: USDA Forest Service. Rare plant and habitat survey on 40 miles X 2 chains of boundary line in the Francis Marion National Forest, Charleston and Berkeley Counties, SC. \$10,000.
- 2001-2002: USDA Forest Service. Rare plant and habitat survey on 8,237 acres of the Francis Marion National Forest, Charleston and Berkeley Counties, SC. Responsible for 50% of project, including all reporting. Contract shared with Jeff Glitzenstein and Patrick McMillan. \$16,474 (Everett total).
- 1998-1999: The Citadel and the College of Charleston. Field work to identify plant communities and correlate field data with remote sensing data using NAPP infrared photography. The data were used to classify both NAPP level and satellite photography using image analysis software. Two projects were completed in conjunction with Joe Kelley at The Citadel and Phil Dustan at the College of Charleston, one in Charleston County (\$3,150) and one in the Beaufort, SC area (\$4,000).
- 1997: Exhibits Unlimited, Inc. Design and installation of terrarium exhibit at the Sewee Visitor Center, Awendaw, SC. \$810.
- 1997: Berkeley County. Wetlands workshop for teachers. \$300.
- 1995-1997: Westvaco Corporation. Plant identification and plot sampling for plant community succession study. \$10,081.
- 1995: Sabine and Waters, Inc. Rare plant survey at Brookgreen Gardens, Georgetown Co., SC. Contract shared with Richard Porcher. \$470 (Everett total).
- 1994: USDA Forest Service. Community type map of 3,954 acre ecosystem-based management study area on the Francis Marion National Forest, Berkeley Co., SC. Contract shared with Richard Porcher. \$4,000 (Everett total).
- 1993-1994: Charleston County Parks and Recreation Commission. Floristic survey, community type map, and map of rice field system for 600 acre Caw Caw Interpretive Center site. Contract shared with Richard Porcher. \$5,000 (Everett total).
- 1991-1994: Virginia Tech. Plot sampling to define wetland plant communities in eastern Virginia prior to proposed mining operation, for Dr. Lee Daniels in the Department of Crop and Soil Environmental Sciences. \$8,870.
- 1990: Virginia Native Plant Society. Plant Identification Workshop. \$750.

PROFESSIONAL MEMBERSHIPS

Association of Southeastern Biologists

Ecological Society of America

Southern Appalachian Botanical Society

Xi Sigma Pi, inducted but not current member

Phi Kappa Phi, inducted but not current member

REVIEWS

- Biological Invasions, 1 manuscript (2007)
- Castanea, 1 manuscript (2006)
- Chapter Reviews:
 - extensive written review of one chapter, including art, for How Life Works (2012)
 - phone review of 2 chapters, including art, for How Life Works (2011)
 - extensive written review of 2 chapters, including art, for How Life Works (2011)
 - extensive review of 1 chapter, including art, for How Life Works (2011)
 - comparative review of 3 figures for How Life Works (2010)
 - extensive review of 1 chapter, partial review of 3 others, including art, for How Life Works (2010)
 - 1 chapter for Biological Science, Freeman (2009)
 - 7 chapters for Biological Science, Freeman (2008)
 - 4 chapters for Biological Science, Freeman (2004)
 - entire text for Concepts And Connections, 3rd Edition, Benjamin Cummings (2001)
 - 1 chapter for Essential Biology, Benjamin Cummings/Pearson Education (2000)
- Gastonia Natural History Museum Swamp Exhibit, reviewed proposal, March 2008
- SC Department of Natural Resources rare plant list (2007 – present)
- Southeastern Exotic Plant Pest Council invasive species list (2003 – present)
- USDA Competitive Grants, 2 proposals (1999, 2002)
- Wild Ones Seeds for Education Proposals: 6 proposals reviewed, January 2010; 6 proposals reviewed, January 2009; 4 proposals reviewed, January 2008;

POWERPOINT LECTURES: extensively illustrated lectures developed for presentation to my students, as guest lectures and to the general public:

- High Calcium Habitats and the Boeing Site Plant Rescue (2010, delivered to the public 3 times as of March 2013)
- Nine Families – A Quick Start Guide to Native Plant Identification (2010, delivered to the public 1 time as of Feb 2011)
- Putting the Power in PowerPoint (2007, developed as a Faculty Development Seminar)
- The Basics of Native Plant Identification (2006, delivered to the public 2 times as of Dec 2008)
- Carnivorous Plants – Trapping Mechanisms and Pollination Biology (2005, delivered to the public 3 times as of Dec 2008)
- Wildflowers of the Sonoran Desert (2005, delivered to the public 3 times as of Dec 2008)
- Longleaf Pine – Paradise Lost? (2005, delivered to the public or as a guest lecture 29 times as of December 2012)
- Invasive Species and Native Alternatives (2004, delivered to the public or as a guest lecture 11 times as of April 2012)

PHOTOGRAPHY

- Image of *Iris virginica* bartered (plant tag use for plants) to a wholesale nursery that specializes in native plants, North Creek Nurseries, December 2011
- Image of *Iris virginica* bartered (catalog use for plants) to a wholesale nursery that specializes in native plants, North Creek Nurseries, June 2011

- Numerous images and trail sign text for 2 trail signs donated for the Dixie Plantation nature trail, 2011
- Numerous images to illustrate my newsletter article on a rare plant community, donated to the South Carolina Native Plant Society for their Fall 2010 newsletter
- Several images of *Trillium maculatum* donated to Middleton Place for inclusion in their March newsletter, January 2010
- Several images (*Taxodium distichum* leaves, *T. distichum* knees and *T. ascendens* leaves) donated to the American Museum of Natural History in New York for publication in Natural History Magazine, published November 2009
- Several images of *Quercus virginiana* donated to Synergy Design Group; used in exhibits for the Mound House Historical Site in Fort Myers Beach, Florida, September 2009
- Image of dangerous invasive plant species, cogongrass (*Imperata cylindrica*), donated for use in the newsletter of the SC Chapter of The Nature Conservancy, November 2008
- Image of Federally Endangered plant species, *Oxypolis canbyi*, donated for use in the newsletter of the SC Chapter of The Nature Conservancy, May 2008
- Major exhibit (7 framed, 5 unframed) at Earth Fare Café, Charleston, SC, April 2007
- Several images of cogongrass (*Imperata cylindrica*) donated to NameThatPlant website, 2007
- Several *Iris* spp. images donated to US Forest Service's Celebrating Wildflowers website, 2007
- Several *Trillium maculatum* images donated to Utah State University Plant Identification website, 2007
- Image (*Spartina patens*) donated to the National Park Service's Invasive Plants of Alaska handbook, 2006
- Image (*Raphanus raphanistrum*) donated for publication in Science Magazine, 10 February 2006
- Framed canvas print (*Iris virginica*) donated to silent auction to support COC Women's Softball Team, 2006
- Images (*Dionaea muscipula* and *Smilax laurifolia*) sold to Charleston Magazine for publication in two issues, 2006
- Image (*Sphagnum* sp.) sold to Cortina Productions for use in a video on plants in their Discovery Series, 2006
- Cover (*Lilium catesbaei*) and additional images donated to Coastal Conservation League for their membership magazine, Spring 2005
- CD of images donated to Coastal Conservation League for use in their publications, 2005

COMMUNITY SERVICE

- Numerous days of donated field work, primarily for the SC Native Plant Society, the Carolina Vegetation Survey, the Coastal Conservation League, The Nature Conservancy, and the US Forest Service (approximately 81 days, August 2003 – December 2012); 7 page summary of service activities from August 2008 – August 2013 available upon request, and included in renewal review on-line materials
- Extensive interactions with Boeing Corporation beginning in Fall 2009 related to the presence of a rare plant community at their new North Charleston Dreamliner factory. This resulted in 2 positive newspaper articles (Post and Courier, Fall 2009), 2 plant rescue events (Fall 2009 and Spring 2010), an illustrated article I wrote for the South Carolina Native Plant Society newsletter (Fall 2010) and assistance with the location of a boardwalk through the remnants of the rare community (August 2011).

- Extensive consultations with the Coastal Conservation League on protecting the Francis Marion National Forest, protecting the Angel Oak, wetlands protection and SCDOT reform (including acting as an expert witness, demonstrating LiDAR, interviews for newspaper articles and a video)
- Numerous lectures, field trips, consults and newsletter articles for local conservation, education and gardening organizations (approximately 43, August 2003 – December 2012)
- Numerous letters to the newspaper, to legislators and to agencies (both Federal and State) regarding management of natural resources in South Carolina
- Preparation (with Danny Gustafson at The Citadel) of a 9 page nomination letter with comments from nearly 3 dozen supporters that led to Richard Porcher being honored with the 2007 SC Environmental Awareness Award, 2007
- Discovery of cogongrass in the Francis Marion National Forest, publicity through the Post and Courier and production of a website, 2006
- South Carolina Native Plant Society, numerous leadership roles, 1997 – 2006
- Major participant in planning 10th Annual SC Native Plant Society Symposium, held at the College of Charleston, 21-23 April 2006. Personally responsible for soliciting approximately \$5,000 of in-kind and cash donations; organized field trips; developed planning document and budget; designed and produced brochure. February 2005 – April 2006
- Consultation on prairie restoration at the Ridgeway Gold Mine (near Columbia SC), 2005 – 2006
- Assisted Richard Porcher in re-visiting and documenting old rice industry structures in the Santee River Delta, 2005

REFERENCES

Willem “Jaap” Hillenius, Professor and Chair, Department of Biology, College of Charleston, Charleston, SC

Joe Kelley, Professor Emeritus, Department of Biology, The Citadel, Charleston, SC

Mark Lazzaro, Associate Professor, Department of Biology, College of Charleston, Charleston, SC

Paul Marino, Head, Department of Biology, Memorial University of Newfoundland, St. John's, NL, Canada

Richard Porcher, Professor Emeritus, Department of Biology, The Citadel, Charleston, SC

Tom Wentworth, Professor, Department of Botany, North Carolina State University, Raleigh, NC

Courses Taught Fall 2008 – Spring 2013

Every semester except as noted – BIOL 112 (double section), BIOL 301 and BIOL 301L

Exceptions – in Spring 2011 I taught 2 double sections of BIOL 112; in Spring 2012 I taught only BIOL 301 and lab. With my chair's permission I was attempting to "bank" some teaching time to be able to extend a sabbatical leave that I had planned to apply for in Fall 2012. For personal reasons, I have delayed my sabbatical request and I used my banked time for a reduced teaching load in Spring 2012.

Maymester 2010 – Field Botany of South Carolina, BIOL 453 and HONS 390

Summer II, 2011 and 2012 – BIOL 112 and BIOL 112L

HONS 399 – Independent Study, Nicholas Boatwright, Fall 2010

BIOL 499 – Bachelor's Essay – Nicholas Boatwright, Spring and Fall 2011

HONS 399 – Independent Study – Nicole DeNucci, Fall 2010