

CAROLINE A. LEWIS

Fairchild Tropical Botanic Garden
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EDUCATION

- Barry University, Miami, Florida - Educational Leadership **M.S. 1999**
- University of Toronto, Toronto, Ontario, Canada -Teacher Certification – Science **B.Ed. 1980**
- McMaster University, Hamilton, Ontario, Canada - Biology (major), Chemistry, French (minors) **B.Sc. 1979**

EMPLOYMENT

FAIRCHILD TROPICAL BOTANIC GARDEN - Director of Education **2003-present**

- Direct the education department's staff, budgets, goals and programs engaging over 45,000 K-12 students, hundreds of garden volunteers and approximately 2,535 adults in our continuing education classes.
- Deliver key note addresses and conduct workshops/presentations to local, national and international audiences, speaking to the importance of Environmental education and creative strategies to engage diverse learners.
- Promote the Fairchild Challenge as a working and replicable program model, linking public gardens, school and communities. Facilitate Fairchild Challenge training workshops bi-annually for potential Satellites- 43 sites nationally and internationally trained.
- Collaborate with local institutions, colleges and universities to host, plan, coordinate, and participate in workshops, initiatives and coursework.
- Partner with professors and scientists at Florida International University on several National Science Foundation grants, as a subcontractor for program evaluation and dissemination of findings as per Broader Impacts.
- Liaison with Miami-Dade Community College Environmental Programs Committee, exploring ways to collaborate on community outreach initiatives.

Education Outreach Coordinator **2002-2003**

- Program Manager: The Fairchild Challenge. Designed and initiated this program that involves middle and high school students and teachers in a variety of creative, competitive multi-disciplinary challenge options to promote environmental awareness, scholarship and stewardship.
- Program Director: Green Treasures, a four-year middle school educational outreach program. Managed all grant requirements including budget analysis and reports, program evaluation, annual reports, etc.

RANSOM EVERGLADES SCHOOL – Director (Principal) of the Upper School **1999-2002**

- Coordinated the school's college preparatory program for 540 students and 75 Faculty.
- Led the Upper School administrative team of Dean of Students, College Counselors, Director of Student Activities, Guidance Counselors and Athletic Director.
- Monitored and approved the Upper School budget and the instructional and capital budgets for academic departments, counseling, student activities, testing, professional development etc.
- Implemented a Leadership workshop pre-requisite for all students interested in running for office and numerous community service opportunities.
- Continued to teach the semester electives, Animal Behavior and BioEthics to 11th and 12th Graders.
- Directed the Technology committee.

Academic Dean /Science Teacher **1991-1999**

- Served as Academic Dean for the Ninth Grade ('93-'95), the Tenth Grade ('95-'97) and the Eleventh Grade ('97-'99). The number of students per grade averaged 150.
- Taught Biology, Animal Behavior and BioEthics (Grades 9-12).
- Created the curriculum for the Animal Behavior and BioEthics semester electives.
- Founded the Ransom Everglades Children's Center in 1992, an on campus day-care facility for the children of RE's faculty and staff. Managed all budgetary, staffing, and policy needs for 5 years.

PROFESSIONAL/PERSONAL GROWTH **1987 - 1988**

Extensive International Travel Spent seven months traveling through Europe, India, Nepal, Thailand, Malaysia, Singapore, Indonesia, Australia, New Zealand and Tahiti. Visited the International Schools in Katmandu and Bangkok.

- **TRINITY SCHOOL – New York, New York** **Science Teacher, Form Master/Dean** **1985 - 1987**
- **HNC SCHOOL – Port-of-Spain, Trinidad** **Science Teacher, Service Coordinator** **1980 - 1982**

PUBLICATIONS:

- “The Fairchild Challenge: Engaging Teenagers, Schools, and Communities.” Roots BGCI Education Review. Vol. 3 No. 2, 2006.
- “The Latest in Evaluation - Youth Programs: The Fairchild Challenge” Public Garden, the Journal of AABGA Vol. 19 No 2, 2004.

SPECIFICS OF FORMAL PRESENTATIONS: 2003-2007

- APGA conference, 2007, Washington, DC, **The Fairchild Challenge: Engaging Teenagers**
- Science Teacher of the Year Awards Banquet, 2007, Coconut Grove, FL -**Keynote**
- 3rd Global Botanic Gardens Congress, 2007, Wuhan, China **How Botanic Gardens can effectively address “Target 14” of the GSPC: The Fairchild Challenge as a Model.**
- NAAEE 35th Annual Conference, 2006, Minneapolis, MN. **An interdisciplinary approach to Environmental Education.**
- BGCI's 6th Annual International Congress on Education in Botanic Gardens, 2006, Oxford, England. **The Fairchild Challenge: Linking public gardens, schools and communities.**
- American Horticultural Society, National Children & Youth Garden Symposium, 2006, St. Louis, MO. **Celebrating and Empowering Today's Youth as Gateways to Communities. - Keynote**
- Longwood Gardens Graduate Symposium, “Public Horticulture Matters.” 2006, Newark, DE. **Linking Public Gardens, Schools, and Communities. - Keynote**
- Environmental Education Providers of Miami-Dade County's Educators Forum, 2006. Miami, FL. **The Value of a Multidisciplinary Approach to Environmental Education. - Keynote**
- Smithsonian Institute Biodiversity Assessment and Monitoring in South Florida. 2006. Miami, FL. **Novel Approaches to Conservation Education.**
- AABGA Annual Conference 2005, Chicago, Illinois. **The Fairchild Challenge, Improving Teenagers' Environmental Awareness, Scholarship and Stewardship.**
- Miami-Dade County Public Schools – 2005 Math & Science Conference, “Bridges to Success” Miami, FL. **Linking Informal Science Centers, Schools and Communities.**
- AABGA Annual Conference 2004, Dallas, Texas. **Marketing your Education Programs, and Peer Clusters: An Innovative Approach to Evaluating Programs.**
- ASTC 2003 Annual Conference, “Building a Learning Organization” St. Paul, Minnesota. **Peer Clusters: A Model for Program Evaluation.**

APPOINTMENTS and COMMITTEES

- MAST Academy – Advisory Council, Miami, FL -on-going.
- M-DCPS Executive Board – Science curriculum and instruction, Miami, FL – on-going.
- American Horticultural Society – Board of Directors, Alexandria, VA 2007- on-going.
- Conservation Fund Advisory Panel on Children and Nature, D.C. – on-going.
- Miami Dade College, North Campus. Focus Group Member for USDA Hispanic Serving Institutions Education Grant Program, 2006.
- CICLOS- and ECOS-NSF funded program: Collaborator with international scientists studying and explaining the effect of temperature change on carbon, nutrient and water cycles in rainforests, Costa Rica 2004- on-going.
- NSF Citizen's Science Workshop Advisor, Cornell University, 2007.
- Miami-Dade County Community Image Advisory Board (CIAB), 2006-on-going.
- Miami-Dade College, North Campus. Focus Group Member for USDA Hispanic Serving Institutions Education Grant Program, 2006.
- US Botanic Garden Partnership for Plant Based Learning Congress, 2004.
- United States Coalition for the United Nations Decade of Education for Sustainable Development 2005-2014. USC for UNDESD Conference, 2004. Bronx Zoo.