

ANDREW J. EVANS, Ph.D., P.E.

Areas of Specialization

- Technical and Educational Management • Environmental Studies • Air and Water Quality • Surface and Ground Water Hydrology • Modeling

Experience

- Chairman for the Air Quality Commission, Alachua County Florida. A *blue ribbon* committee established by the Alachua County Board of Commissioners to study and report on air quality issues in the county and North Florida. 1999-2000.
- Assistant Dean for Academic Programs and Associate Professor of Civil Engineering College of Engineering, University of Florida, Gainesville, Florida, 1992
- Program Manager and Professor Technical Division, Santa Fe Community College, Gainesville, Florida, 1980 to 1998. Tenured, 1983.

Directing the *Institute for Environmental Studies*

The Institute for Environmental Studies was configured to provide training, both on and off campus, for individuals and businesses in new and current environmental technologies. The focus was on bridging the gap between what is known and possible, and the application of appropriate technology in the field.

Interaction with eighteen degree programs.

These programs were in the areas of Natural Resources and Engineering Technology, and were served by fifteen full time, and thirteen part-time faculty members, three professional specialists, one microcomputer network manager, two laboratory managers, one zoo curator, two administrative assistants, and two secretaries.

Major areas were: Environmental Science, Zoo Animal Technology (Teaching Zoo), Technical General Education, Child Development/Little School, Ornamental Horticulture Technology, Drafting Design Technology, General Electronics Technology, Communications Electronics Technology, Computer Engineering Technology (ABET Accreditation), and Graphic Design Technology.

Management of Short Term Training Programs for domestic and international students.

International activities: 200 students since 1982 from Mexico, Panama, Guatemala, Caribbean Islands, Costa Rica, Belize, Honduras, Nicaragua, and Madagascar. Subject areas such as; *Electronics Technology, Computer Electronics Technology, Management/Small Business Practices, Electronics and Management, Microcomputer Maintenance & Troubleshooting, Electronic Systems & Controls Maintenance, Agricultural Export Promotion/Business Management, and Seafood Production and Marketing (AS).*

Domestic activities: 200 students since 1989 trained as Recycling Coordinators under contract to the Florida Department of Environmental Protection.

- Consultant
Environmental Science and Engineering, Inc., Gainesville, Florida, 1978-1979.
Responsible for technical modeling aspects of surface and groundwater hydrology as related to environmental impacts of phosphate mining and power plant siting.
- Consultant
Water and Air Research, Inc., Gainesville, Florida, 1977.
Hydrologic modeling for a U.S. Environmental Protection Agency "208" study in South Carolina.
- Teaching/Research Assistant
University of Florida, Gainesville, Florida, 1972-1975.
Doctoral studies on physical modeling of salt water intrusion in coastal aquifers. Teaching in Hydraulics and participation in hydrographic surveys.
- Engineer
Black, Crow & Eidsness, Inc., Gainesville, Florida, 1972.
Prepared (de-bug and test) computer program package for aquifer model study. Continued full time studies at the University of Florida.
- Research Assistant
University of Florida, Gainesville, Florida, 1969-1972.
Graduate study and research related to numerical modeling, experimental work and environmental impact along Florida's coastal zone.

Education

Ph.D.	1975	Civil Engineering	University of Florida
ME	1971	Coastal & Oceanographic Engineering	University of Florida
MSE	1966	Aerospace Engineering	University of Florida
BASE	1963	Aerospace Engineering	University of Florida

Licenses, Registration, and Certification

Licensed Professional Engineer, Florida, 1974, No. 10011
Amateur Radio, W4AJE
Teacher, Florida, Rank 1, Advanced Post Graduate, 1978, No. 442448
Certified SCUBA Diver: PADI, NAUI, YMCA, FSDA
Recycling Coordinator: FDEP/SFCC

Grants

Short Term Training Grants to Santa Fe College:

- a) Georgetown University
Cooperative Agreement of States for Scholarships; USAID.
Training seventeen Central American students to receive AS degrees in Environmental Science Technology with a specialty in Seafood Production and Marketing. \$500,000.00

b) Florida Department of Education Establish Center of Emphasis for Environmental Studies; 1994-1995	\$125,000.00
c) Florida Department of Environmental Protection Recycling Coordinator Training; 6 contracts since 1989	\$248,886.00
d) Institute of International Education; USAID Madagascar Agricultural Export Liberalization Support Project	\$135,035.95
e) Institute of International Education; USAID Panamanian technicians in electronics and management	\$24,426.00
f) Institute of International Education; USAID Panamanian technicians in electronics	\$45,812.00
g) Institute of International Education; USAID Panamanian technicians in quality control	\$24,810.00
h) Institute of International Education; USAID Panamanian technicians in electronics	\$38,513.90
i) Academy for Educational Development; USAID Caribbean group in Management/Small Business Practices	\$29,088.10
j) Partners for International Education and Training; USAID Guatemalan women in small business practices	\$110,470.00
k) Mexican National Council for Science and Technology; Mexican electronics technicians	\$129,000.00
State of Florida, Division of Community Colleges Grant to Santa Fe College, Environmental Science Program; Statewide review of Environmental Science Technology Curriculum.	\$29,229.00
Federal Grant to Santa Fe College, Environmental Science Program; Purchase of Additional Gas Chromatography and Atomic Absorption Spectrophotometry Equipment, and Ground Water Monitoring Equipment.	\$41,221.00
Federal Grant: Full salary and benefit support for release time during Summer A 1989 (seven weeks). Work with Hunter/ESE, Washington, D.C. to maintain and enhance currency in hazardous waste management.	\$6,422.00
Staff and Program Development: Santa Fe Community College Competitive Grants. 1982: \$950.00 1985: \$6200.00 1983: \$1260.00 1988: \$2100.00 1984: \$4100.00 1993: \$3450.00 {Planning Monies}	\$18,060.00
Oak Ridge Associated Universities: Invited one-week Fusion Reactors Workshop, July, 1983.	

Short Courses

DRASTIC, Assessment Method for Ground Water Pollution Potential, NWWA, 1986
Microcomputers in Ground Water Modeling, NWWA, 1986
Environmental Regulation and Compliance, PSA, 1986
Ground Water and Unsaturated Zone Monitoring and Sampling, NWWA, 1984
Stack Sampling of Air Pollutants, George Washington University, 1981
Operating a Consulting Firm, ASCE, 1977
Effective Marketing of Professional Services, ASCE, 1977
Professional Liability and the Civil Engineer, ASCE, 1977
The Engineer as an Expert Witness, ASCE, 1977

Professional Societies

American Society of Civil Engineers, Life Member
National Society of Professional Engineers
Florida Engineering Society
American Society for Engineering Education
Order of the Engineer
Tau Beta Pi
Kiwanis International
Boy Scouts and Girl Scouts of America

Professional and Civic Activities, Awards

National Science Foundation Fellow. 1996 National Science Foundation ATEEC Summer Fellows Institute.

Member, Water Management Advisory Committee, City of Gainesville, Florida.
1985-1987. Reappointed 1987-1990, Chairman 1989 - 1990.

Member, Advisory Council Executive Committee for the University of Florida TREEO Center.

Member, State Technical Committee for Public Service (Environmental), Florida Department of Education. 1996 – 1998.

Chairman, Environmental Studies Curriculum Development Committee of the Tech Prep program, SFCC. 1996 – 1998.

First United Methodist Church, Gainesville, Florida.

Chairman, committee responsible for managing the Engineering and Architectural components of a multi-million dollar renovation project.

Coordinator, Scouting Programs, 2006 -

Member, Board of Trustees, 1998 - 2000, 2001-2003; Chairman 1999- 2003

Chairman, Administrative Board, 1993 - 1996

Chairman, Finance Committee, 1990 - 1993.

Member, Administrative Board, 1984 - 1985, 1988 -1993, 1998 -2000, 2001-2003

Member, Board of Trustees, 1980 -1982.

Chairman, Transportation Committee, 1980 (one 60-passenger bus, one 15-passenger van).

Coordinator, Young Adult Activities, 1980 - 1982.

Science Fair Judge.

2005-2010: Local

1982: Local, Regional, and State.

1983: Local, and Regional.

1988: State

Judge, AT&T Environmental Teacher of the Year Awards, Florida, 1994.

Florida Engineering Society, Certificate of Appreciation for Services as Professional Engineer
Review Instructor; February 1984, February 1990, and February 1993.

Publications and Reports

"Alachua County Air Quality Commission Findings and Recommendations," A report prepared for the Alachua County Board of County Commissioners and the Citizens of Alachua County by the Alachua County Air Quality Commission and the Alachua County Environmental Protection Department, January 2000.

Workshop presentation during the *28th Annual Florida Vocational, Adult, and Community Education Conference and Trade Show*, July 31, 1995. Topic: "Innovations in Environmental Education."

Presentation to the Fourteenth Annual conference of the *League of Environmental Educators in Florida, Inc.*, March 4-6, 1994. Forum topic: "The Vocational Edge."

"Investigation of Solar Panel Array Failure, Shands Teaching Hospital, Phase Two," A report prepared by The Kylix Group, Inc. for Crawford & Co., International Claims Service, March 1985.

"Investigation of Solar Panel Array Failure, Shands Teaching Hospital, Phase One," A report prepared by The Kylix Group, Inc. for Crawford & Co., International Claims Service, August, 1984.

"EPA Wastewater Treatment Plant Performance Project," A report prepared by the Kylix Group, Inc. for the TREEO Center, University of Florida, Gainesville, Florida, May, 1984.

"Saltwater Intrusion in Florida's Coastal Zone," A Water Well Technology Workshop presentation at the TREEO Center, University of Florida, Gainesville, Florida, May, 1984.

Contributions to "A '208' Project Granted Under Section 208 of the 1972 Water Pollution Act Amendments". A report prepared by Water and Air Research, Inc., Gainesville, Florida, February-November, 1977, for the Lowcountry Council of Governments, Yemassee, South Carolina. Specifically

TASK WOC2.120, "Determination of Estuarine Assimilative Capacity"; TASK WOC3. 110, "Determine Impact of Point and Non-Point Loading on Estuarine Water Quality"; TASK WOC3.120, "Determine Receiving Water Impact, Beaufort Metropolitan Area, Colleton River-Victoria Bluff Area, and Whale Branch-Upper Coosaw River Area"; TASK WOC2.130, "Determine Impact of Projected Point Source and Urban Runoff Pollution Loads on Selected Freshwater Streams".

Critique of an ASCE short course, "The Engineer as an Expert Witness", Miami Beach, Florida, April, 1977, *Civil Engineer*, page 87, June, 1977.

"A Proposal for Provision of Training, Engineering, and Construction Services for the Coyote Canyon Water Supply Project". Presented to the Navajo Tribe, Navajo Office of Manpower, and the Coyote Canyon Chapter of the Navajo Indian Reservation, Brimhall, New Mexico, Co-authors L. Kniffin, L. Weisner, and American Indian Consultants, Inc., June, 1977.

"Boot Ranch Hydrology", a reconnaissance at the Boot Ranch, Lake Tarpon, Florida, for Architect David Reaves, Gainesville, Florida, November, 1976.

"Salt Water Encroachment in Coastal Aquifers Evaluated by Physical Models", B. A. Christensen, and A. J. Evans, Second World Congress on Water Resources, International Water Resources Association, New Delhi, India, December, 1975.

"A Study and Evaluation of Saltwater Intrusion in the Floridan Aquifer by Means of a Hele-Shaw Model", A Doctoral Dissertation presented to the Graduate School of the University of Florida, Gainesville, Florida, August, 1975.

"Impact on the Environmental and Natural Resources of the Development of the Simonton Ranch, Alachua and Marion Counties, Florida", B. A. Christensen, and A. J. Evans, Engineering and Industrial Experiment Station, Department of Civil Engineering, University of Florida, Gainesville, Florida, July 1975.

"Effect of Raw Water Pumpage on the Floridan Aquifer at the Deerhaven Power Plant, Gainesville, Florida", contribution to "Review of Gainesville/Alachua County Regional Utility Board's (RUB) Application for Site Certification of Deerhaven Generator Unit No. 2", ICAAS Power Plant Siting Group, University of Florida, Gainesville, Florida, February, 1975.

"Comments on the Water Related Aspects of the 'Proposed Environmental Protection Guide for Metropolitan Dade County, Florida', Comprehensive Development Master Plan, Part 2, Metropolitan Dade County Planning Advisory Board Public Hearing, January 29, 1975", a summary of a public hearing appearance on behalf of Progress for Dade County, Inc., Miami, Florida.

"Dynamic Model Evaluation of Saltwater Intrusion in the Floridan Aquifer Due to Coastal Development", B. A. Christensen, and A. J. Evans, Tenth American Water Resources Conference, American Water Resources Association, Los Croabas, Puerto Rico, November, 1974.

"An Analysis of the Drainage System Characteristics of San Carlos Park, Ft. Myers, Florida", a report prepared for Howell F. Davis and Associates, Ft. Myers, Florida, August, 1974.

"A Fluvio-Hydrographic Study of the Ocean Breeze and Sagamore Waterways, St. Lucie County, Florida", B. A. Christensen, A. J. Evans, and F. L. Combs, Engineering and Industrial Experiment Station, Department of Civil Engineering, University of Florida, Gainesville, Florida, February, 1974.

"A Physical Model for Prediction and control of Saltwater Intrusion in the Floridan Aquifer", B. A. Christensen, and A. J. Evans, Publication No. 27, Florida Water Resources Research Center, University of Florida, Gainesville, Florida, January, 1974.