

# CURRICULUM VITA

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***Donald Robert Richardson***  
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## ACADEMIC BACKGROUND

- 1969-1973 Bachelor of Science in Biology, Michigan Technological University, Houghton, Michigan.
- 1974-1976 Master of Science in Biology, Florida Atlantic University, Boca Raton, Florida.
- 1978-1985 Doctor of Philosophy in Biology, University of South Florida, Tampa, Florida.

## POSITIONS

- 1986-1988 Adjunct Professor, University of South Florida, Tampa, Florida. 33620.
- 1986-1991 Research Assistant, Louisiana State University, Baton Rouge, Louisiana. 70803.

## COLLEGE WORK STUDY

- 1974-1976 Teaching Assistantships at Florida Atlantic University: Plant Anatomy, Plant Taxonomy and Chemistry.

## SCHOLARSHIPS

- 1975 The Garden Club of America  
1976 Royal Palm Garden Club  
1976 Florida Federation of Garden Clubs  
1976 Arvida Corporation  
1976 The Garden Club of America

## GRANTS

- 1978-1981 Research Assistant - United States Fish and Wildlife Service, Endangered and Threatened Species of Central Florida, Dr. Richard Wunderlin, Principal Investigator, University of South Florida, Tampa.
- 1985 Life history and population biology of *Bonamia grandiflora* in central Florida. D. Richardson and D. Hartnett, Co-Investigators, Nature Conservancy, Stewardship Research Grant.

## **ORGANIZATIONS**

Association of Environmental Professionals  
Association of Southeastern Biologists  
Botanical Society of America  
Ecological Society of America  
Florida Academy of Sciences  
Florida Native Plant Society  
Florida Association of Environmental Professionals  
National Association of Environmental Professionals  
Society for Conservation Biology  
Society for Ecological Restoration  
Society of Wetland Scientists

## **PERSONAL INFORMATION**

Birthdate: February 19, 1951. Detroit, Michigan.  
Health: Excellent.  
Marital Status: Married, Dorothy Ann Thompson.  
Children: JoAnne and Amy Richardson.  
Hobbies: Fishing, Hiking, Travel, Photography, Sports.

## **WORK EXPERIENCE**

1976 Palm Beach Community College, Winter Quarter, Botany Instructor, Boca Raton, FL.

1976-1977 Instructional Specialist, Pine Jog Environmental Sciences Center, 6301 Summit Blvd., West Palm Beach, FL. 33406. Dr. Ray Iverson, Director.

1977 Broward Community College, Part-time Instructor, N. Campus, Coconut Creek, FL.

1979-1983 Biological Technician, U.S. Fish and Wildlife Service, National Wetlands Inventory, Suite 217, 9620 Executive Center Drive, St. Petersburg, Florida.

1984-1985 Assistant in Research, University of South Florida, Department of Biology, Tampa, Florida 33620.

1985-Present Environmental Consultant/President, Ecological Consultants, Inc., 5121 Ehrlich Road, Suite 103A, Tampa, Florida 33624.

## **PAPERS/POSTERS PRESENTED**

1980 Tropical Beach Dunes and Hammocks. The First Annual Florida Native Plant Conference, Univ. of Florida, Gainesville, FL.

1982 Allelopathy between Florida's scrub and sandhill communities. North American Symposium on Allelopathy, Univ. of Illinois, Champaign-Urbana, IL.

1983 Allelopathy in a sand pine scrub community. Workshop on Florida Scrub. Archbold Biological Station, Lake Placid, FL.

- 1983 Allelopathy in Florida's sand pine scrub. International Society of Chemical Ecology, Univ. of Texas, Austin, Tx.
- 1984 Florida's pine forests. Bok Tower Gardens, Lake Wales, Fl.
- 1984 Allelopathy in the Florida scrub. The Fourth Annual Native Plant Conference, Florida Atlantic University, Boca Raton, Fl.
- 1985 Evidence for allelopathy in sand pine scrub. The Fifth Annual Native Plant Conference, Rollins College, Winter Park, Fl.
- 1985 Allelopathy and fire in the Florida scrub. 36<sup>th</sup> Annual AIBS Meeting, Botanical Society of America, University of Florida, Gainesville, Fl.
- 1986 The population biology of Bonamia grandiflora, A Florida endemic. The Sixth Annual Native Plant Society Conference, University of South Florida, Tampa, Fl.
- 1987 Chemical inhibition of sandhill grasses by species of Sand Pine Scrub. Botanical Society of America, Columbus, Oh.
- 1988 The influence of fire on succession in Florida. Workshop on Succession of Agriculturally-Altered Lands in Central Florida, Southwest Water Management District, Brooksville, Florida.
- 1989 Sand pine scrub burning: Some positive steps toward management. 17th Tall Timbers Fire Ecology Conference, High Intensity Fire in Wildlands, Tallahassee, Fl.
- 1990 The Sand Pine Scrub Community: General Aspects. Rookery Bay Coastal Resource Management Proceeding, Naples, Florida.
- 1990 Success Criteria for Mitigation Projects. Broward County Environmental Control Board, Wetland Habitat Restoration & Creation Conference, Ft. Lauderdale, Florida.
- 1990 Success Criteria for Mitigation Projects. Broward County Environmental Control Board, Wetland Habitat Restoration & Creation Conference, Ft. Lauderdale, Florida.
- 1993 Chemical Inhibitions of Fire-prone Grasses by the Fire-sensitive Shrub, Conradina canescens. 13th Annual Conference of the Florida Native Plant Society, A Symposium on the Ancient Scrub of the Lake Wales Ridge, Haines City, Florida.
- 1995 Exotic climbing fern, Lygodium microphyllum, A pest species in south Florida's wetlands, Some management considerations. Roberts, R. and D. Richardson. 10th Annual Florida Exotic Pest Council Symposium, Clearwater Beach, Florida.
- 1995 Is big really better? Does size of wetland mitigation planting unit make a difference in overall mitigation success. Annual Conference on Ecosystems Restoration & Creation, Tampa, Florida.

- 1997 Mitigation of Wetlands/Use of recycled mulch products. 1997 Florida Organics Recyclers Association (FORA) Organic Recycling 3rd Annual Conference & Expo, Orlando, Florida.
- 2008 Practical considerations in Mitigation. Florida Chamber Water School; Essentials of Environmental Resource Permitting. Daytona Beach, Florida.
- 2009 Mangroves: The Beginning of the End. Our Vanishing Urban Forests, Sun City, Florida.

## **PUBLICATIONS**

- 1976 "A Walk Through Nature" Guide to the Estancia Hammock, Arvida Corporation, Boca Raton, Fl.
- 1976 "Reese Ranch Groves, A Walk through Nature". Reese Ranch Groves, Jupiter, Fl.
- 1977 Vegetation of Southeastern Florida IV, Butts Hammock. Austin, D. F. and D. R. Richardson. Florida Scientist 40(4): 345-353.
- 1980 Status report on *Illicium parviflorum*. Wunderlin, R. P., D. Richardson, and B. Hansen. U.S. Fish and Wildlife Service, Endangered Species Office, Region 4, Atlanta, Georgia.
- 1980 Status report on *Vicia ocalensis*. Wunderlin, R. P., D. Richardson, and B. Hansen. U.S. Fish and Wildlife Service, Endangered Species Office, Region 4, Atlanta, Georgia.
- 1980 Status report on *Monotropis reynoldsiae*. Wunderlin, R. P., D. Richardson, and B. Hansen. U.S. Fish and Wildlife Service, Endangered Species Office, Region 4, Atlanta, Georgia.
- 1981 Status report on *Chrysopsis floridana*. Wunderlin, R. P., D. Richardson, and B. Hansen. U.S. Fish and Wildlife Service, Jacksonville, Florida.
- 1981 Status report on *Polygala lewtonii*. Wunderlin, R. P., D. Richardson, and B. Hansen. U.S. Fish and Wildlife Service, Endangered Species Office, Region 4, Atlanta, Georgia.
- 1981 Allelopathy between Florida's scrub and sandhill communities. Richardson, D. R. and G. B. Williamson. Florida Scientist 44(Suppl. 1): 17. Abstract.
- 1981 Status report on *Eryngium cuneifolium*. Wunderlin, R. P. and D. Richardson. U.S. Fish and Wildlife Service, Endangered Species Office, region 4, Atlanta, Georgia.
- 1984 *Apmhitecna latifolia* (Bignoniaceae) in Florida. Richardson, D. R. Florida Scientist 47(1):73-75.
- 1985 The rediscovery of *Vanilla mexicana* Mill. (Orchidaceae) in Florida. Richardson, D. R., Hansen, B., and R. Saulea. Florida Scientist 48(2): 80-82.

- 1986 Design and Management recommendations for a sand pine scrub preserve: the Yamato Scrub. Richardson, D. R., Stout, I. J., Roberts, R. E., Austin, D. F., and T. R. Alexander. 124 p. Ecological Consultants, Tampa, Florida.
- 1987 Prescribed burning of the Sand Pine Scrub Community, The Yamato Scrub: A test Case. Doran, R., Richardson, D.R., Roberts, R. Florida Scientist 50(3):184-192.
- 1987 Chemical inhibition of sandhill grasses by species of sand pine scrub. Richardson, D. R. and G. B. Williamson. American Journal of Botany 74: 656-657. Abstract.
- 1987 Design of a nature preserve in a subtropical urbanizing landscape: application of ecologic and genetic principles. Stout, I. J., Richardson, D. R., Roberts, R. E., and D. F. Austin. Bull. Ecol. Soc. Am. 68(3):423-424.
- 1988 Bioassays for allelopathy: Measuring treatment responses with independent controls. Williamson, G. B. and D. R. Richardson. Journal of Chemical Ecology 14(1): 181-187.
- 1988 Allelopathic mechanisms in fire-prone communities. Williamson, G. B., Richardson, D.R., and N. H. Fischer. In S.J.H. Rizvi, Frontiers of allelochemical research. Martinus Nijoff Publishers (in press).
- 1988 Allelopathic effects of shrubs of the sand pine scrub on pines and grasses of the sandhills. Richardson, D. R. and G. B. Williamson. Forest Science 34(3):592-605.
- 1988 A guide to selected Florida wetland plants and communities. Principal Author. U.S. Army Corps of Engineers, Jacksonville District. 319 pp.
- 1988 Management of amphibians, reptiles, and small mammals in xeric pinelands of peninsula Florida. Stout, I. Jack, Richardson, D. R. and R. E. Roberts. In: Szaro, R. C., Severson, K. E. and D. R. Patton, (eds.), Management of Amphibians, Reptiles, and small mammals in North America, Proceeding of the Symposium, USDA Forest Service, General Technical Report RM-166. pp. 98-108.
- 1989 Chemical inhibition of fire-prone grasses by the fire-sensitive shrub, *Conradina canescens*. Williamson, G. B., Fischer, N. H., Richardson, D. R., and A. de la Pena. Journal of Chemical Ecology 15(5):1567-1578.
- 1989 The sand pine scrub community: An annotated bibliography. Richardson, D. R. Florida Scientist 52(2):65-93.
- 1989 Life history and population biology of *Bonamia grandiflora* in central Florida. Hartnett, D. and D. R. Richardson. American Journal of Botany 76(3):361-369.
- 1989 Comparison of results of three gopher tortoise relocations in central and southeast Florida. Stout, I. Jack, Doonan, T., Roberts, R. E. and D. R. Richardson. In: J.E. Diemer et al. (eds.), Proceeding of the Gopher Tortoise Relocation Symposium, State of Florida Game and Fresh Water Fish Commission, Nongame Wildlife Program Technical Report #5. pp. 15-42.

- 1989 Response of resident and relocated gopher tortoises to a prescribed burn in a Sand Pine Scrub community. Stout, I. J., Richardson, D. R. and R. E. Roberts. In: J. E. Diemer et al. (eds.), Proceeding of the Gopher Tortoise Relocation Symposium, State of Florida Game and Fresh Water Fish Commission, Nongame Wildlife Program Technical Report #5. pp. 84-85.
- 1989 Allelopathic actions in the Florida scrub community. Fischer, N. H., Williamson, G. B., Tanrisever, N., de la Pena, A., Weidenhamer, J. D., Jordan, E. D., and D. R. Richardson. *Biologia Plantarum* 31(6):471-478.
- 1989 Allelopathic mechanisms in the Florida Scrub Community. Fischer, N. H., Williamson, G. B., Weidenhamer, J. D., Tanrisever, N., de la Pena, A., Jordan, E. D., and D. R. Richardson. In: C. H. Chou and G. R. Waller (eds.), *Phytochemical Ecology: Allelochemicals, Mycotoxins and Insect Pheromones and Allomones*. Institute of Botany, Academia Sinica Mono. Series No. 9:183-193, Taipei, ROC.
- 1991 Sand Pine Scrub Burning: Some Positive Steps for Management. Doren, R. F., Roberts, R. E. and D. R. Richardson. In: *Proceedings 17th Tall Timbers Fire Ecology Conference, High Intensity Fire in Wildlands: Management Challenges and Options*. May 18-21, 1989. Tall Timbers Research Station, Tall., Florida.
- 1992 The Vegetation of Blowing Rocks Preserve, Jupiter Island, Florida. Richardson, D. R., Roberts, R., and R. O. Woodbury. *Florida Scientist* 55(3): 136-156.
- 1992 Allelopathic mechanisms in fire prone communities. Williamson, G. W., Richardson, D. R., and N. H. Fischer. S. J. H. Rizvi and V. Rizvi (ed.) *Allelopathy: Basic and applied aspects*. Chapman & Hall, London. Pp. 58-75.
- 1994 In search of Allelopathy in the Florida Scrub: The Role of Terpenoids. Fischer, N. K., Williamson, G. B., Weidenhamer, J. D., and D. R. Richardson. *Journal of Chemical Ecology* 20(6): 1355-1380.
- 1994 Allelopathic potential of Menthofuran monoterpenes from *Calamintha ashei*. Weidenhamer, J. D., Menelaou, M., Macais, F. A., Fischer, N. H., Richardson, D. R., and G. B. Williamson. *Journal of Chemical Ecology* 20(12): 3345-3359.
1994. Exotic climbing fern . Roberts, R.E., and D.R. Richardson. Florida Department of Environmental Protection Resource Mngt. Notes. 6 (4):16.
- 1995 Jupiter Inlet biological resource assessment and management recommendations. Richardson, D.R., I. J. Stout, R.E. Roberts and K.R. Delany. Final report to Bureau of Land Management. Contract No.1422M020RFP5001.
- 2004 The sand pine scrub community: An annotated bibliography 1989-2001. Richardson, D. R. *Florida Scient.* 67(2):118-143.
- 2004 Fragmentation of Florida scrub in an urban landscape. Hall, J. M., Gillespie, T. W., Richardson, D. R., and S. Reader. *Urban Ecosystems* 6: 243-255.

- 2012 Last Remaining Rosemary Bald (*Ceratiola ericoides*) in Pinellas County, Florida. Richardson, D. R and J. Hall. Submitted to Florida Scientist.
- 2013 The Sand Pine Scrub community: An annotated bibliography, 2002-2010. D. R. Richardson. In revision.

## **ORGANIZATIONAL PROFILE AND QUALIFICATIONS**

The firm of **ECOLOGICAL CONSULTANTS, INC. (ECI)** is a small environmental consulting firm operating from Tampa, Florida with a satellite office in Delray Beach, Florida. Specialized consulting areas include: wetland creation/design, resource management and management planning, plant and animal conservation plans, wetland jurisdictional surveys, listed species surveys, environmental assessments and audits, ecological studies, wetland and upland mitigation, exotic species removal, long-term maintenance and monitoring of natural and man-made habitats, and complete wetland installation of native saltwater and freshwater species.

## **PRINCIPAL PERSONAL**

### **DONALD RICHARDSON, PH.D./Pres. ECI**

- Ph.D. Biology, USF.
- M.S. Biology, FAU.
- B.S. Biology, MTU.
- Recipient of Five Scholarships.
- Grant Research Assistant: USFWS, Endangered and Threatened Species of Central Florida, USF.
- 37 years Experience as Professional Biologist.
- Numerous Scientific Publications and Presentations.
- Expert:
  - Xeric Upland & Wetland Ecology
  - Wetlands Mitigation and Design (all aspects)
  - Wetland Maintenance and Monitoring
  - Ecosystem Management and Management Planning
  - Gopher Tortoise Ecology and Mitigation
  - Endemic Plant Ecology
  - Phyto-chemical Ecology
  - Lake Chemical Treatment with American Ecosystems
  - Environmental Audits
- See detailed *Curriculum Vitae*.

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