

# Appendix C

## Papers Presented at Meetings and Invited Seminars, 1995–1996

### David H. Anderson

1995

"Biomass Growth Rates of Copepods in Forested Wetlands," American Society of Limnology and Oceanography, Annual Meeting, Reno, 10-15 June.

"Growth and Secondary Production of Microcrustaceans in Forested Floodplain Swamps," University of Alabama, Tuscaloosa, 26 May.

"Microcrustacean Growth and Production in a Forested Floodplain Swamp," Archbold Biological Station, 21 September.

1996

"Microcrustacean Community Composition and Production in a Forested Floodplain Swamp," North American Benthological Society, Annual Meeting, Kallispell, Montana, 3-7 June.

"Using Aquatic Invertebrates to Evaluate the Kissimmee River Restoration," Current Research at Archbold Biological Station 1996 Symposium, 12 September.

"Establishing Baseline Conditions for Aquatic Invertebrates to Evaluate the Kissimmee River Restoration," Florida Department of Environmental Protection Symposium "Tools for Managing Our Aquatic Ecosystems," Tallahassee, 31 October.

### Leslie K. Backus

1996

"A Method for Determining the Relative Isolation of Red-cockaded Woodpecker Clusters," Florida Ornithological Society, Annual Meeting, Haines City, 13 April; American Ornithologists' Union, Annual Meeting, Boise, 13-17 August; & Current Research at Archbold Biological Station 1996 Symposium, 12 September.

"Spatial Dynamics of Gopher Tortoise Movements," Florida Ecology, Evolution, and Conservation Symposium, Annual Meeting, Archbold Biological Station, 4 May.

### G. Thomas Bancroft

1995

"Calculating the Water Needs of the Everglades - The Natural System Model," Everglades Coalition Meeting, Lake Wales, 13-15 January.

"Everglades, South Florida Ecosystem," Human Population, Biodiversity and Protected Areas: Science and Policy Issues, AAAS Program on Population and Sustainable Development, Washington, D.C., 20-21 April.

"Dry-season Hydropatterns and the Abundance and Distribution of Great Egrets and White Ibis in the Water Conservation Areas of the Everglades," American Ornithologists' Union, Annual Meeting, Cincinnati, 15-19 August.

"Utility of SRF Surveys," Everglades Aquatic Animal Research Group, West Palm Beach, 28-29 September.

"Water Levels, Hydropatterns and the Distribution of Great Egrets and White Ibises in the Water Conservation Areas of the Everglades, Florida," Joint Conference Colonial Waterbird Society and the Pacific Seabird Group, Victoria, BC, 8-12 November.

1996

"Nesting Chronology of White-crowned Pigeons (*Columba leucocephala*) Relative to Fruiting Phenology in the Florida Keys," American Ornithologists' Union, Annual Meeting, Boise, 13-17 August.

"Hydropatterns and the Distribution and Abundance of Wading Birds in the Water Conservation Areas," Florida International University, Miami, 22 October.

"Sustainable Agriculture and Wildlife," A Sustainable Agriculture in Palm Beach County and South Florida, West Palm Beach, 30 October.

"Fruiting Phenology and the Ecology of White-crowned Pigeons in the Florida Keys," Fairchild Tropical Gardens, Coral Gables, 21 November.

### Reed Bowman

1995

"Influence of Matrix Habitat Type on Florida Scrub-Jay Population Dynamics," "Population Size, Reproductive Success, and Long-term Population Trends of Red-cockaded Woodpeckers at Avon Park Air Force Range," & "Genetic Variation and Population Structure of Red-cockaded Woodpeckers in Peninsular Florida," Avon Park Air Force Range Cooperators Meeting, Avon Park, 30-31 January.

"Endemic Species Characteristics and the Conservation of Ancient Scrub," Issues and Ecosystems: Grassroots strategies for Environmental Advocacy in Florida. University of Florida, Gainesville, 3 February.

"Comparison of Past, Present and Future Land Uses in Relation to Current HCP Planning for the Threatened Florida Scrub-jay," "Dissimilar Reproductive Patterns in Two Populations of Florida Scrub-jays: the Costs and Benefits of Living in Suburbia," "Out of the Pyrogenic Frying Pan and into the Political Fire: Developing Reserve Designs for the Florida Scrub-jay," "Remotely Sensed Landscape Correlates of Source-sink Dynamics in the Florida Scrub-jay," & "Prognosis for a Population: Assessing a Reserve Design for the Florida Scrub-jay in Brevard County, Florida," Society for Conservation Biology, Annual Meeting, Fort Collins, 7-11 June.

"What Can Population Viability Analysis (PVA) Tell Us About the Probable Success of a Spatially-explicit reserve design: The Florida Scrub-jay in Brevard County, Florida as a Case Study," Ecological Society of America, Annual Meeting, Snowbird, UT, 30 July-3 August.

"Remotely-sensed Landscape Correlates of Source-sink

Dynamics in the Florida Scrub-jay," & "Nest Predation in a Suburban Population of Florida Scrub-jays," American Ornithologist's Union, Annual Meeting, Cincinnati, 15-19 August.

1996

"Suburban Flight or Plight: the Costs and Benefits of Anthropogenic Change on Florida Scrub-jays," Florida International University, Miami, 23 January.

"Using Population Modeling to Evaluate the Conservation Potential of Suburban Florida Scrub-jay Populations," University of Central Florida, Orlando, 5 March.

"The Influence of Supplemental Food and Habitat Fragmentation on Florida Scrub-jay Population Density," Cooper Ornithological Society, Annual Meeting, San Diego, 27-31 March.

"Demography of Florida Scrub-Jays at Avon Park Air Force Range," & "A Method for Determining the Relative Isolation of Red-cockaded Woodpecker Clusters," Florida Ornithological Society, Annual Meeting, Haines City, 13 April.

"A Method of Evaluating the Relative Isolation of Red-cockaded Woodpecker Clusters," & "Nesting Chronology of White-crowned Pigeons (*Columba leucocephala*) Relative to Fruiting Phenology in the Florida Keys," American Ornithologist's Union, Annual Meeting, Boise, 13-17 August.

"Nest-site Selection by Florida Scrub-jays in Natural and Human-modified Habitats," "A Method of Evaluating the Relative Isolation of Red-cockaded Woodpecker Clusters," & "Dispersal of Florida Scrub-jays in a Fragmented Landscape at Avon Park Air Force Range," Current Research at Archbold Biological Station 1996 Symposium, 12 September.

"Nesting Chronology of Common Ground-Doves in Florida and Texas," Association of Field Ornithologists, Annual Meeting, Jekyll Island, 18-20 October.

#### **Dirk E. Burhans**

1996

"Anti-Brood Parasite Strategies and Nest-site Selection by Forest-edge Songbirds," University of Missouri, Columbia, May.

"Brood Parasite Recognition and Nest Desertion by Parasitized Field Sparrows," Association of Field Ornithologists, Annual Meeting, Jekyll Island, 18-20 October.

"Behavioral Defenses Against Brood Parasitism by Two Forest-edge Cowbird Hosts," Archbold Biological Station, 24 October.

#### **Lisa M. Collins**

1996

"Practical Use of Standardized Performance Analysis at MAERC," Florida Cattlemen's Association, Standardized Performance Analysis Workshop, Lake Placid, 15-17 October.

"Water Quality Research on Cow/Calf Operations in the Lake Okeechobee Watershed," American Society of

Agricultural Engineers - Florida Section Annual Meeting, St. Petersburg, 8-11 May.

"Land Use Water Quality Stations at MAERC," Current Research at Archbold Biological Station 1996 Symposium, 12 September.

#### **Mark A. Deyrup**

1995

"Biogeography and Ecology of the Ants of San Salvador," Fifth Symposium on the Natural History of the Bahamas, San Salvador, Bahamas, 13 June.

"Meet the Bugs in Your Back Yard,"- Bahamas National Trust, Nassau, 27 September.

"Biodiversity in Florida Scrub," South Florida Community College, Avon Park, 16 October.

"Predicting and Managing Post-fire Mortality in South Florida Slash Pine," Natural Areas Association, Annual Meeting, Fayetteville, AK, 24-28 October.

1996

"Pest' Spiders," Southeastern Pest Short Course, Gainesville, 6 February.

"Predicting and Managing Post-fire Mortality in South Florida Slash Pine," Fire in Ecosystem Management, Boise, 7-10 May.

"Plants and Bugs: the Ultimate Love-Hate Relationship," Florida Native Plant Society Meeting, Annual Meeting, 1 June.

"Path Analysis of Post-fire Mortality in South Florida Slash Pine," Ecological Society of America, Annual Meeting, Providence, 10-14 August.

#### **Mary C. Garvin**

1995

"Epizootiology of *Haemoproteus danilewskyi* in the Blue Jay in South-central Florida," Southern Conference on Animal Parasites, Gainesville, 4-6 March, & Current Research at Archbold Biological Station, 15 May.

"Arboviral Serosurvey of Florida Scrub-jays and Blue Jays in Highlands County, Florida," Southern Conference on Animal Parasites, Gainesville, 4-6 March.

"*Haemoproteus danilewskyi* in the Blue Jay in south-central Florida," American Ornithologists' Union, Annual Meeting, Cincinnati, 15-19 August.

#### **Nathalie J. Hamel**

1996

"Demography of Florida Scrub-jays at Avon Park Air Force Range," Florida Ornithological Society, Annual Meeting, Haines City, 13 April.

"Dispersal of Florida Scrub-jays in a Fragmented Landscape at Avon Park Air Force Range," Current Research at Archbold Biological Station 1996 Symposium, 12 September.

#### **Soon-Jin Hwang**

1995

"The Importance of the Microbial Communities in the Pelagic Food Web Structure and Function," & "Phosphorus and Carbon Recycling and Retention in

Planktonic Ecosystem of Lake Erie," American Society of Limnology and Oceanography, Annual Meeting, Reno, 10-15 June.

1996

"Benthic-planktonic Interactions in Lake Okeechobee," Florida Coastal Oceans and Technology Symposium, Harbor Branch Oceanographic Institution, Ft. Pierce, 9 April.

"In Situ Zooplankton Bacterivory Using Radiolabeled and Fluorescently Labeled Bacteria," American Society of Limnology and Oceanography, Annual Meeting, Milwaukee, 19 June.

"Physiological Ecology of Charophytes in Lake Okeechobee," North American Benthological Society, Annual Meeting, August.

#### David L. Leonard, Jr.

1996

"A Method for Determining the Relative Isolation of Red-cockaded Woodpecker Clusters," Florida Ornithological Society, Annual Meeting, Haines City, 13 April; American Ornithologists' Union, Annual Meeting, Boise, 13-17 August; and Current Research at Archbold Biological Station 1996 Symposium, 12 September.

#### Fred E. Lohrer

1996

"An Update on the 'Bibliography of the Shrikes of the World,'" Second International Shrike Symposium, Eilat, Israel, 18-22 March.

"Contributions by Florida Ornithologists to 'Birds of North America,'" Florida Ornithological Society, Annual Meeting, Haines City, 13 April.

"Report on the LTER Data Managers Meeting," Florida Biotic Information Consortium, Annual Meeting, Tall Timbers Research Station, Tallahassee, 7-8 November.

#### L. O'Gene Lollis

1996

"Practical Use of Standardized Performance Analysis at MAERC," Florida Cattlemen's Association, Standardized Performance Analysis Workshop, Lake Placid, 15-17 October.

#### Kevin N. Main

1995

"Utilizing GIS For Fire Management At Archbold Biological Station," Environmental Regulation and Prescribed Fire Conference, Tampa, 14-17 March.

"GIS and Fire Management," Current Research at Archbold Biological Station, 15 May.

1996

"Selecting Areas to Burn," Current Research at Archbold Biological Station 1996 Symposium, 12 September.

"Utilizing GIS for Fire Management Planning in Florida Ecosystems," Eco-informa '96: Global Networks for Environmental Information, Lake Buena Vista, FL, 3-7 November.

#### Eric S. Menges

1995

"Prescribed Burning in Florida Scrub," The Nature Conservancy, Workshop on Ecological Burning, Wekiwa Springs State Park, FL; 8 March.

"Effects of Fire on Sandhill Herbs: Nutrients, Mycorrhizae, and Biomass Allocation," "Breeding System of *Warea carteri*: Implications for Conservation of a Narrowly-endemic Florida Scrub Annual," & "Demographic Population Viability of *Silene regia*: Effects of Management, Population Size, Isolation, and Genetics," Ecological Society of America Annual Meeting, Snowbird, 30 July-4 August.

"Effects of Drainage, Fire Suppression, and Time Since Fire on Cuthroat Grass Abundance and Flowering," Cuthroat Grass Workshop, Lake Placid, FL, 29-30 August.

"Predicting and Managing Post-fire Mortality in South Florida Slash Pine," Natural Areas Association, Annual Meeting, Fayetteville, AK, 24-28 October.

1996

"Demographic Research on Florida Scrub Plants," Plant Conservation Today - Local, Regional, and Global Issues, Lake Wales Ridge, Lake Wales, FL, 2 February.

"Predicting and Managing Post-fire Mortality in South Florida Slash Pine," Fire in Ecosystem Management, Boise, 7-10 May.

"Path Analysis of Post-fire Mortality in South Florida Slash Pine," Ecological Society of America, Annual Meeting, Providence, 10-14 August.

"Fire Management for Rare Plants of Florida's Rosemary Scrub: Considering Demography, Gap Dynamics and Metapopulations," Natural Areas Association, Annual Conference, St Charles, IL, 23-26 October.

"Utilizing GIS for Fire Management Planning in Florida Ecosystems," Eco-informa '96: Global Networks for Environmental Information, Lake Buena Vista, FL, 3-7 November.

#### Pedro F. Quintana-Ascencio

1996

"Fire Dependent Survivorship, Growth and Fecundity of *Hypericum cumulicola* in the Patchy Florida Rosemary Scrub," Ecological Society of America, Annual Meeting, Providence, 10-14 August.

"Matrix Model Formulation for Plants: An Example Using Ten Years of Data from a Long Lived Perennial Prairie Clover," & "Fire Mediated Survivorship, Growth and Fecundity of *Hypericum cumulicola* in the Patchy Florida Rosemary Scrub," Current Research at Archbold Biological Station 1996 Symposium, 12 September.

"Population Viability of *Hypericum cumulicola*: A Plant Species in Patchy Habitats With Sporadic Fire," Center for Plant Conservation, Annual Meeting, Denver, October.

"Fire Management for Rare Plants of Florida's Rosemary

Scrub: Considering Demography, Gap Dynamics and Metapopulations," Natural Areas Association, Annual Conference, St Charles, IL, 23-26 October.

**Hilary M. Swain**  
1995

"Development of the Scrub Conservation and Development Plan for Brevard County, Florida," Department of Biological Sciences, Florida Institute of Technology.

"Spatial Analysis: Developing an Interplay Between Pure and Applied Ecology," Archbold Biological Station, 10 April.

"The Management of Coastal Wetlands for Wading Birds: A Regional Approach in Florida," Florida Ornithological Society, Annual Meeting, April, & Coastal Zone 95, International Symposium on Coastal and Ocean Management, Tampa, 16-21 July.

"Navigating the Network: Enhancing Dispersal of Florida Scrub-jays in a Landscape Dominated by Floridians," International Association for Landscape Ecology, Annual Meeting, Minneapolis, 22-26 April.

"Threats to Biodiversity in Florida Estuarine Systems: Case Study of the Indian River Lagoon (East Central Florida)," Florida Academy of Sciences, Annual Meeting, Tampa, 19-20 May.

"Out of the Pyrogenic Frying Pan and into the Political Fire: Developing Reserve Designs for the Florida Scrub-jay," "Prognosis for a Population: Assessing a Reserve Design for the Florida Scrub-jay in Brevard County, Florida," "Scrub Habitat in East Central Florida: Assessing Habitat Quality and its Implications for Reserve Designs," & "Comparison of Past, Present and Future Land Uses in Relation to Current HCP Planning for the Threatened Florida Scrub-jay," Society for Conservation Biology, Annual Meeting, Fort Collins, 7-11 June.

"What can Population Viability Analysis (PVA) Tell Us About the Probable Success of a Spatially-explicit Reserve Design: the Florida Scrub-jay in Brevard County, Florida as a Case Study," & "How Has Habitat Fragmentation and Fire Suppression Affected Scrub Habitat for a Regional Population of Florida Scrub-jays in Brevard County, Florida," Ecological Society of America, Annual Meeting, Snowbird, UT, 30 July-3 August.

1996

"Spatial Analysis: Developing an Interplay Between Pure and Applied Ecology," University of Florida, Landscape Ecology Lecture series, 17 January.

"Factors Affecting Wading Bird Utilization of Artificial Wetlands," Florida Academy of Sciences, Annual Meeting, Melbourne, 29-30 March.

"Scrub Ecosystems of Brevard County Florida," Association of Southern Biologists, Annual Meeting, Statesboro, GA, 10-13 April.

"The MacArthur Agro-ecology Research Center," Inaugural address, Florida Cattlemen's Association, Annual Meeting, Marco Island, 19-21 June.

"Utilizing Gap Analysis to Enhance Land Management

Decisions; Archie Carr National Wildlife Refuge as a Case Study," National Biological Service, National Gap Analysis, Annual Meeting, Key Largo, 15-19 July.

"How Can Stage-based Models be Used to Evaluate the Effects of Habitat Quality, Epidemics and Dispersal for the Florida Scrub-jay Under Proposed Reserve Designs?," & "A Landscape Approach to Florida Scrub-jay Habitat use in Brevard County, Florida," Ecological Society of America, Annual Meeting, Providence, 10-14 August.

"Ecologists as Problem Solvers? Well What are the Important Problems? Developing Priorities for Conservation Biology Research in Florida," Society For Conservation Biology, Annual Meeting, Providence, 10-14 August.

"Developing Priorities for Conservation Biology Research in Florida," & "How Can Stage-based Models be Used to Evaluate the Effects of Habitat Quality, Epidemics and Dispersal for the Florida Scrub-jay Under Proposed Reserve Designs?," Current Research at Archbold Biological Station 1996 Symposium, Lake Placid, 12 September.

"The MacArthur Agro-ecology Research Center; Examining Ecologically and Economically Viable Agriculture in Central Florida," Florida Environmental Expo 1996, Tampa, 1-3 October.

"Factors Affecting Wading Bird Utilization of Artificial Wetlands," Colonial Waterbird Society, Annual Meeting, Charleston, SC, 16-20 October.

"Factors Affecting Wading Bird Utilization of Artificial Wetlands," Florida Mosquito Control Districts, Annual Workshop on Salt Marsh Management and Restoration. Vero Beach, 22-25 October.

"Utilizing GIS for Fire Management Planning in Florida Ecosystems," Eco-informa '96: Global Networks for Environmental Information, Lake Buena Vista, FL, 3-7 November.

**Keith A. Tarvin**  
1995

"Arboviral Serosurvey of Florida Scrub-jays and Blue Jays in Highlands County, Florida," Southern Conference on Animal Parasites, Gainesville, 4-6 March.

"The Influence of Habitat Variation on Demography of Blue Jays in South-central Florida," Current Research at Archbold Biological Station, 15 May; American Ornithologists' Union, Annual Meeting, Cincinnati, 15-19 August; & Florida Ornithological Society, Fall Meeting, Cocoa Beach, 20-22 October.

1996

"A Field Evaluation of Techniques Used to Estimate Density of Blue Jays," American Ornithologists' Union, Annual Meeting, Boise, 13-17 August.

**Glen E. Woolfenden**  
1995

"Florida Scrub Jay Demography: Dynasties and WIMPs," Iowa State University, Ames, 24 April.

"Fire and Conservation Biology of the Florida Scrub-jay," Iowa State University, Paul Errington Lecture, Ames,

25 April.

"Mate Fidelity in Florida Scrub-jays," Current Research at Archbold Biological Station, 15 May, & Animal Behavior Society, Annual Meeting, Lincoln, NE, 13 July.

"Roost-site Fidelity of Florida Scrub-jays," American Ornithologists' Union, Annual Meeting, Cincinnati, 15-20 August.

1996

"Mate Selection and Reproductive Performance in Two New World Jays," "Nest-site Selection by Florida Scrub-jays in Natural and Human Modified Habitats," "Among-patch Dispersal Capacity of Florida Scrub-jays," "Do Foraging Florida Scrub-jays Know Lizards and Treefrogs?," & "Interannual Variation in Timing of Breeding and Clutch Size in Florida Scrub-jays: Are There Connections With Food and Weather?," American Ornithologists' Union, Annual Meeting, Boise, 13-17 August.

"Nest-site Selection by Florida Scrub-jays in Natural and Human Modified Habitats," Current Research at

Archbold Biological Station 1996 Symposium, 12 September.

"Nesting Chronology of Common Ground-doves in Florida and Texas," & "Asio cf. *domingensis* Invades South Florida; With Comments on This Owl's Taxonomy," Association of Field Ornithologists, Annual Meeting, Jekyll Island, 18-20 October.

Rebecca Yahr

1995

"Effects of Drainage, Fire Suppression, and Time Since Fire on Cutthroat Grass Abundance and Flowering," Cutthroat Grass Workshop, Lake Placid, FL, 29-30 August.

"Changes in Cutthroat-grass Dominated Communities in Relation to Fire and Drainage History," Natural Areas Association, Annual Meeting, Fayetteville, AK, 24-28 October.

*Archbold staff and graduate students, visiting scientists, and regional collaborators; all speakers at the second annual "Current Research at Archbold Biological Station and the MacArthur Agro-ecology Research Center" meeting as assembled on 12 September 1996. Standing L-R: G. Woolfenden, M. McMillian, K. Root (Florida Inst. Technol.), R. McSorley (Univ. Florida), L. Backus, B. Nelson (Florida Internatl. Univ.), A. Fleischer (Univ. South Florida), J. Krebs (Florida Inst. Technol.), R. Bowman, T. Bancroft (MAERC), D. Leonard, K. Main, N. Hamel, E. Menges, A. Mains, C. Weekley (Division of Forestry), J. Morrison (Univ. Florida), K. Cummins (South Florida WMD), P. Quintana-A. (State Univ. New York-Stony Brook), J. Layne. Foreground L-R: M. Deyrup, L. Collins (MAERC), H. Swain, A. Herndon (Florida Internl. Univ.), M. Morales-H., R. Pickert, M.*

