

Florida panther research is being expanded to include Big Cypress in FY89. Panther research in Everglades is continuing as planned. This year we radio-collared one additional adult female to bring the radio-collared total to six. Unfortunately, this year, one adult female died of natural causes and one sub-adult female was hit by a motor vehicle outside of the park. The physical recovery of panther #23 is going well and we hope to place her back into the wild.

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Stephen Cofer-Shabica, Oceanographer, was transferred from Biscayne NP to the NPS Cooperative Park Study Unit at the University of Georgia. Stephen is coordinating a five-year \$4.8 million monitoring program at Cumberland Island NS. The U.S. Navy funded program is a multi-agency effort required because of the Kings Bay Naval Station being built adjacent to Cumberland Island.

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From John Peine, Associate SERO Director for Science and Natural Resources, come the following highlights from Great Smoky (GRSM) Mountains NP:

The ozone fumigation project, now ending its second year, is an attempt to determine the extent of ozone pollution and its effects on many of the 1,500 native plant species found in the park. Scientists at Uplands Field Research Lab, funded by the NPS Air Quality Division, are working with Jim Renfrom, lead biological technician on the project. Ozone injury has been recorded on nearly 20 species and plans are to collect specimens and expose them to the four treatments of ozone to verify the injury as ozone-caused. Species targeted for testing in 1989-90 include Fraser magnolia, black cherry, sassafras, yellowwood, black locust, basswood, sweetgum, sycamore, milkweed, coneflower, blackeyed Susan, dwarf dandelion, galax, blackberry, huckleberry, Caly's bentgrass, flame azalea, and clematis.

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From Jim Wood, NPS technical publications editor, comes word that two new Servicewide scientific monographs are now in press and will be available for distribution this Fall:

Scientific Monograph Series No. 18, **Visual Preferences of Travelers Along the Blue Ridge Parkway** by Francis P. Noe and William E. Hammitt.

Scientific Monograph Series No. 19, **The Forest Communities of Mount Rainier National Park** by Jerry F. Franklin, William H. Moir, Miles A. Hemstrom, Sarah E. Greene and Bradley G. Smith.