

# Appendix— *Budget and Work Units*

## 2001



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2001

U.S. Department  
of Agriculture  
Forest Service  
**Southern  
Research  
Station**

# FY01 Allocations to Resource Categories

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Fundamental Plant Science. ....	\$3,655,000
Silvicultural Applications. ....	4,644,000
Quantitative Analysis. ....	1,010,000
Forest and Rangeland Management. ....	1,770,000
Forest Operations Engineering. ....	1,207,000
Insects/Diseases/Exotic Weeds. ....	5,792,000
Fire Science. ....	1,199,000
Terrestrial Wildlife. ....	1,971,000
Aquatic Habitat. ....	855,000
Watershed. ....	2,551,000
Atmospheric Sciences. ....	1,376,000
Economics. ....	1,630,000
Wilderness. ....	102,000
Social/Cultural. ....	925,000
Forest Products, Utilization, and Processing. ....	1,990,000
Forest Inventory and Analysis. ....	11,016,000
Forest Health Monitoring. ....	0
Monitoring Methods/Applications. ....	405,000
Total. ....	\$42,098,000



# FY01 Allocations to Research Work Units

4101	<b>Southern Appalachian Forests.</b> .....	\$1,271,000
	<i>Asheville, North Carolina</i>	
4103	<b>Center for Forested Wetlands.</b> .....	1,205,000
	<i>Charleston, South Carolina</i>	
4104	<b>Disturbance of Southern Pine Ecosystems.</b> .....	1,814,000
	<i>Athens, Georgia</i>	
4105	<b>Vegetation Management and Longleaf Pine.</b> .....	1,169,000
	<i>Auburn, Alabama</i>	
4106	<b>Upland Forest Ecosystems.</b> .....	1,768,000
	<i>Monticello, Arkansas</i>	
4111	<b>Even-aged Management of Southern Pines.</b> .....	1,573,000
	<i>Pineville, Louisiana</i>	
4153	<b>Southern Institute of Forest Genetics.</b> .....	1,785,000
	<i>Saucier, Mississippi</i>	
4154	<b>Biological Foundations of Sustainability.</b> .....	2,635,000
	<i>Research Triangle Park, North Carolina</i>	
4155	<b>Center for Bottomland Hardwoods.</b> .....	3,139,000
	<i>Stoneville, Mississippi</i>	
4201	<b>Endangered (TES) Species.</b> .....	615,000
	<i>Clemson, South Carolina</i>	
4202	<b>Coldwater Streams and Trout Habitat.</b> .....	500,000
	<i>Blacksburg, Virginia</i>	
4251	<b>Wildlife Habitat and Timber Resource Integration.</b> .....	1,125,000
	<i>Nacogdoches, Texas</i>	
4351	<b>Watershed Responses to Disturbance.</b> .....	1,286,000
	<i>Franklin, North Carolina</i>	
4501	<b>Bark Beetles and Invasive Insects.</b> .....	1,004,000
	<i>Pineville, Louisiana</i>	
4502	<b>Wood Products Insect Research.</b> .....	1,035,000
	<i>Starkville, Mississippi</i>	
4505	<b>Insects and Diseases.</b> .....	1,844,000
	<i>Athens, Georgia</i>	
4701	<b>Southern Forest Resource Utilization.</b> .....	1,226,000
	<i>Pineville, Louisiana</i>	
4702	<b>Tree Quality, Processing, and Recycling.</b> .....	475,000
	<i>Blacksburg, Virginia</i>	
4703	<b>Biological/Engineering Technologies.</b> .....	1,246,000
	<i>Auburn, Alabama</i>	
4801	<b>Forest Inventory and Analysis.</b> .....	11,016,000
	<i>Asheville, North Carolina, and Starkville, Mississippi</i>	
4802	<b>Legal, Tax, and Economic Influences.</b> .....	1,006,000
	<i>New Orleans, Louisiana</i>	
4803	<b>Forest Health Monitoring.</b> .....	334,000
	<i>Research Triangle Park, North Carolina</i>	
4851	<b>Economics of Forest Resources.</b> .....	970,000
	<i>Research Triangle Park, North Carolina</i>	
4852	<b>Southern Global Change Program.</b> .....	1,376,000
	<i>Raleigh, North Carolina</i>	
4901	<b>Recreation, Urban Forests, and Human Dimensions.</b> .....	681,000
	<i>Athens, Georgia</i>	
	<b>Total .</b> .....	<b>\$42,098,000</b>





# Collaborative Research

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*Collaborative research and development with universities, private corporations, nongovernmental organizations, and other Federal and State agencies is a cornerstone of the SRS program. These activities involve the funding of extramural studies under cooperative agreements, grants, and interagency agreements. Working with partners is an effective way to leverage our funding to conduct research efforts that benefit a wide range of research results users.*

**A total of \$12,653,585 supported research studies under these agreements in FY01 with the following:**

## **Domestic Non-Federal Agreements**

Alabama A&M University  
Alabama Forestry Commission  
American Phytopathological Society  
Arkansas Forestry Commission  
Arkansas State University  
Arkansas Technical University  
University of Arkansas  
Auburn University  
University of Charleston, South Carolina  
Clemson University  
Colorado State University  
Duke University  
Eastern Sierra Institute for Collaborative Education  
Florida A&M University  
Florida Department of Agriculture and Consumer Services  
University of Florida  
Forest Resources Systems Institute  
Furman University  
Georgia Forestry Commission  
George Mason University  
University of Georgia  
University of Georgia Research Foundation, Inc.  
Gordon Research Conference  
University of Idaho  
Kentucky Division of Forestry  
University of Kentucky  
Louisiana Department of Agriculture  
Louisiana State University  
Louisiana Tech University  
University of Maine  
Michigan Technological University

University of Minnesota  
Mississippi State University  
University of Missouri  
University of Montana  
University of Nevada  
University of New Hampshire  
State University of New York  
North Carolina Department of Environment, Health, and Natural Resources  
North Carolina State University  
University of North Carolina at Asheville  
Oklahoma State University  
Pacific States Marine Fisheries Commission  
Society of Wetland Scientists, Inc.  
South Carolina Forestry Commission  
Southern Illinois University  
Stephen F. Austin State University  
Tall Timbers Research Station  
Tennessee Department of Agriculture  
University of Tennessee  
Texas Forest Service  
Tuskegee University  
Virginia Department of Forestry  
Virginia Polytechnic Institute and State University  
West Virginia University  
Research Corporation  
University of Wisconsin

## **International**

Chinese Academy of Sciences  
Danish Forest and Landscape Research Institute  
Thomas Schmidt, Institute for Crop Science and Plant Breeding

## **Interagency Agreements**

USDA Agricultural Research Service  
USDI Geological Survey, Biological Resources Division



# External Funding

*Many research work units have agreements to receive external funding from other sources. The FY01 total for these dollars was \$823,625 from non-Federal sources. The SRS received \$1,880,253 from other Federal sources to support research and development projects designed to meet the missions of the agencies involved.*

## **This external funding came from the following:**

### **Non-Federal Cooperators**

America's Byways Resource Center  
American Forest and Paper Association  
Arkansas Game and Fish Commission  
Auburn University  
Aventis Environmental Science  
Batelle Memorial Institute  
Dartmouth College  
Duke University  
Franklynn Industries  
University of Georgia Research  
Foundation, Inc.  
Hardwood Forestry Fund  
HPC Enterprises, Inc.  
J.M. Huber Corporation  
Indian Council for Forest Research  
and Investigations  
International Paper  
J.J. Mauget  
Joseph W. Jones Ecological Center  
McLaughlin Gormley King Co.  
Mississippi Commission on Wildlife,  
Fisheries, and Parks  
National Council of the Paper Industry  
for Air & Stream Improvement (NCASI)  
Rayonier, Inc.  
Resource Management Service  
Roy O. Martin Lumber Co.  
Ruffed Grouse Society  
Temple-Inland Forest Products  
Texas Parks and Wildlife  
Valent USA  
Wes Min RC and DC  
Westvaco  
Weyerhaeuser  
Willamette Industries, Inc.

### **Federal Cooperators**

Environmental Protection Agency  
Department of Agriculture, Agricultural  
Research Service  
Department of Agriculture, Foreign Agricultural  
Service/International Cooperation and  
Development (FAS/ICD)  
Department of Agriculture, Animal and  
Plant Health Inspection Service (APHIS)  
Department of Agriculture, Cooperative State  
Research, Education, and Extension  
Service (CSREES)  
Department of Agriculture, Economic  
Research Service  
Department of Agriculture, Natural Resources  
Conservation Service  
Department of the Army  
Department of Defense  
Department of Energy  
Department of the Interior, Bureau of  
Land Management  
Department of the Interior, Fish and  
Wildlife Service  
Department of the Interior, Geological Survey  
Department of the Interior, National Park Service  
Department of the Navy, Office of  
Naval Research  
National Aeronautics and Space Administration  
National Oceanic and Atmospheric  
Administration



# Research Work Unit Directory

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**SRS-4105, Vegetation Management and Longleaf Pine; and SRS-4703, Forest Operations Research, are located at:**

G.W. Andrews Forestry Sciences Laboratory  
520 Devall Drive  
Auburn, AL 36849  
334-826-8700

Web site for SRS-4105:

<http://www.srs.fs.fed.us/4105/index.html>

Web site for SRS-4703:

<http://www.srs.fs.fed.us/forestops/>

**SRS-4106, Upland Forest Ecosystems, is located at:**

Forest Resources Building, Room 114  
University of Arkansas at Monticello  
P.O. Box 3516, UAM Station  
Monticello, AR 71656-3516  
870-367-3464

Web site for SRS-4106:

<http://www.srs.fs.fed.us/4106/>

**SRS-4104, Disturbance of Southern Pine Ecosystems; SRS-4505, Insects and Diseases; and SRS-4901, Recreation, Urban Forests, and Human Dimensions, are located at:**

Forestry Sciences Laboratory  
320 Green Street  
Athens, GA 30602-2044  
706-559-4222

Web site for SRS-4505:

<http://www.srs.fs.fed.us/4505/>

Web site for SRS-4901:

<http://www.srs.fs.fed.us/trends/>

**SRS-4802, Legal, Tax, and Economic Influences, is located at:**

T-10034, U.S. Postal Service Building  
701 Loyola Avenue  
New Orleans, LA 70113  
504-589-6652

Web site for SRS-4802:

<http://www.srs.fs.fed.us/4802/>

**SRS-4111, Even-aged Southern Pine Forests, SRS-4501; Bark Beetles and Invasive Insects; and SRS-4701, Southern Forest Resource Utilization, are located at:**

Alexandria Forestry Center  
2500 Shreveport Highway  
Pineville, LA 71360  
318-473-7216

Web site for SRS-4111:

<http://www.srs.fs.fed.us/4111/>

Web site for SRS-4501:

<http://www.srs.fs.fed.us/4501/>

Web site for SRS-4701:

<http://www.srs.fs.fed.us/4701/>

**SRS-4153, Southern Institute of Forest Genetics, is located at:**

Harrison Experimental Forest  
23332 Highway 67  
Saucier, MS 39574-9344  
228-832-2747

**SRS-4502, Wood Products Insect Research, is located at:**

101A G.T. Thames Drive  
Starkville, MS 39759  
662-338-3100

Web site for SRS-4502:

<http://www.srs.fs.fed.us/termites/>

**SRS-4155, Center for Bottomland Hardwoods, is located at:**

Southern Hardwoods Laboratory  
P.O. Box 227  
Stoneville, MS 38776-0227  
601-686-3154

SRS-4155 Web site:

<http://www.srs.fs.fed.us/cbhr>

**SRS-4101, Southern Appalachian Forests, is located at:**

Bent Creek Experimental Forest  
1577 Brevard Road  
Asheville, NC 28806  
828-667-5261

SRS-4101 Web site:

<http://www.srs.fs.fed.us/bentcreek/>

# Research Work Unit Directory

## **SRS-4351, Watershed Responses to Disturbance, is located at:**

Coweeta Hydrologic Laboratory  
3160 Coweeta Lab Road,  
Otto, NC 28763  
828-524-2128

## **SRS-4852, Southern Global Change Program, is located at:**

920 Main Campus Drive  
Venture Center 11, Suite 300  
Raleigh, NC 27606  
919-515-9489  
SRS-4852 Web site: <http://www.sgcp.ncsu.edu/>

## **SRS-4154 Biological Foundations of Sustainability; SRS-4803, Forest Health Monitoring; and SRS-4851, Economics of Forest Resources, are located at:**

Forestry Sciences Laboratory  
3041 E. Cornwallis Road  
P.O. Box 12254  
Research Triangle Park, NC 27709  
919-549-4000  
SRS-4154 Web site:  
<http://www.rtp.srs.fs.fed.us/soils/soilhome.htm>  
SRS-4803 Web site:  
[http://willow.ncfes.umn.edu/fhm/fhm\\_hp.htm](http://willow.ncfes.umn.edu/fhm/fhm_hp.htm)  
SRS-4851 Web site:  
<http://www.rtp.srs.fs.fed.us/econ/>

## **SRS-4103, Center for Forested Wetlands, is located at:**

Center for Forested Wetlands Research  
2730 Savannah Highway  
Charleston, SC 29414  
843-727-4271  
SRS-4103 Web site:  
<http://www.srs.fs.fed.us/charleston/>

## **SRS-4201, Threatened and Endangered Species, is located at:**

Department of Forest Resources  
Clemson University  
Clemson, SC 29634-1003  
864-656-3284  
SRS-4201 Web site:  
<http://www.srs.fs.fed.us/4201/>

## **SRS-4801, Forest Inventory and Analysis, is located at:**

Southern Research Station  
4700 Old Kingston Pike  
Knoxville, TN 37919  
865-862-2027  
SRS-4801 Web site:  
<http://www.srsfia.usfs.msstate.edu>

## **SRS-4251, Wildlife Habitat and Timber Resources Integration, is located at:**

Wildlife Habitat and Silviculture Laboratory  
Box 7600, SFA Station  
506 Hayter Street  
Nacogdoches, TX 75962  
936-569-7981  
SRS-4251 Web site:  
<http://www.srs.fs.fed.us/wildlife/index.html>

## **SRS-4202, Coldwater Streams and Trout Habitat; and SRS-4702, Tree Quality, Processing and Recycling, are located at:**

Southern Research Station  
1650 Ramble Road  
Blacksburg, VA 24060  
540-231-4016  
SRS-4202 Web site:  
<http://www.trout.forprod.vt.edu/>  
SRS-4702 Web site:  
<http://www.srs4702.forprod.vt.edu/>



Examining specimens

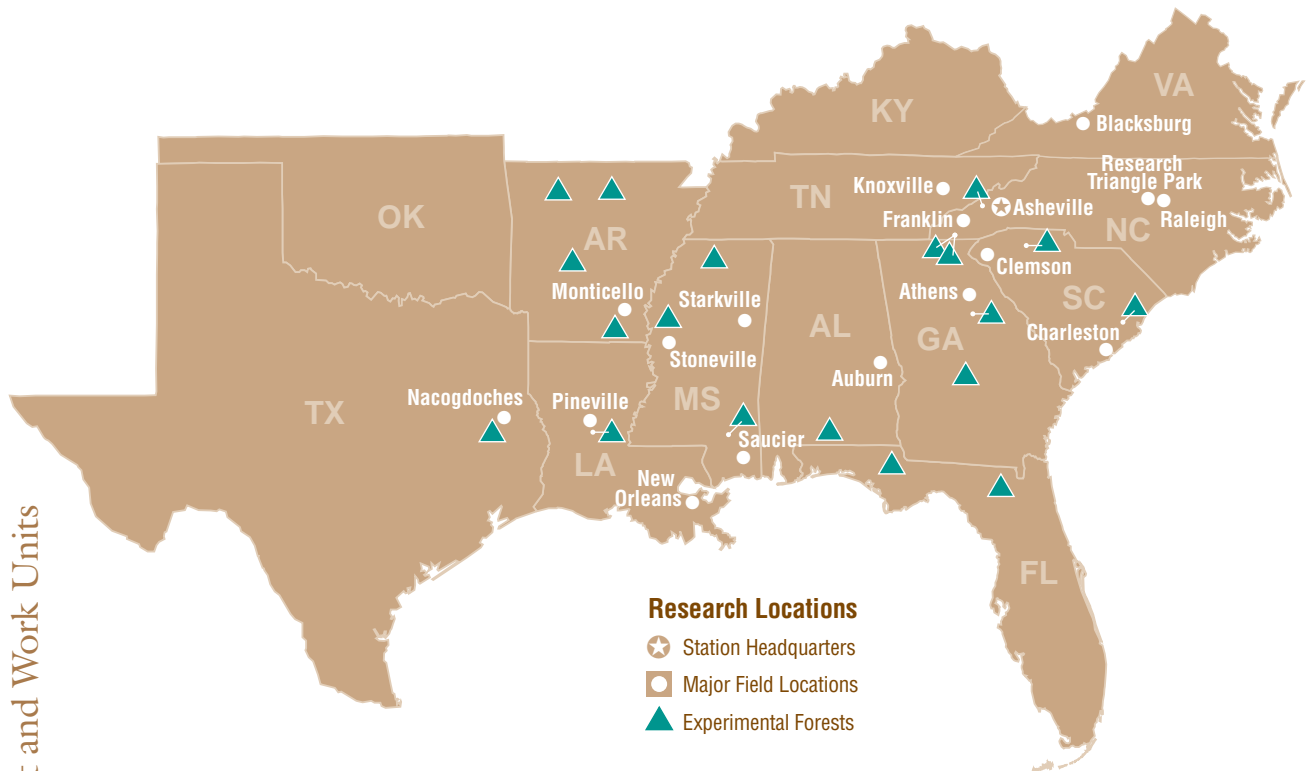




# Experimental Forests

The SRS maintains 19 experimental forests located on or near National Forest System lands. Scientists in RWUs use these as sites for their studies and demonstration projects in conjunction with the managing national forest unit. Experimental forests are designated to represent a specific ecosystem or forest type, and to present opportunities for the study of different approaches to sustaining forested ecosystems. Several of the experimental forests in the South were selected for their potential to demonstrate rehabilitation of deteriorated farm forests and soil resources that occurred during early European settlement and plantation farming of the region.

Among the experiments conducted on these forests are studies on stand management and regeneration; restoration of wildlife and plant populations; watershed management; and the effects of pollution, climate change, and timber harvest. Many experimental forests also provide educational and nonmotorized recreation activities, including interpretation to enhance public understanding of forest management principles. Research on experimental forests plays a vital role in the conservation of America's natural resources.





# Experimental Forests

State	Experimental Forest	National Forest	Acres	Date Established
Alabama	Escambia	(private)	2,990	06/14/61
Arkansas	Alum Creek	Ouachita	4,281	04/02/59
	Crossett	Ouachita	1,675	08/27/40
	Henry R. Koen	Ozark	720	09/17/51
	Sylamore	Ozark	4,180	03/28/34
Florida	Chipola	(private)	2,760	06/21/61
	Olustee	Osceola	3,135	03/28/34
Georgia	Hitchiti	Oconee	4,602	12/04/61
	Scul Shoals	Oconee	4,487	09/17/38
Louisiana	Palustris	Kisatchie	7,515	07/19/35
Mississippi	Delta	(private)	2,580	06/14/61
	Harrison	DeSoto	4,111	07/19/34
	Tallahatchie	Holly Springs	4,569	04/12/50
North Carolina	Bent Creek	Pisgah	5,242	06/25/27
	Blue Valley	Nantahala	1,400	06/23/64
	Coweeta	Nantahala	5,482	03/28/34
South Carolina	John C. Calhoun	Sumter	5,082	10/08/47
	Santee	Francis-Marion	6,000	07/06/37
Texas	Stephen F. Austin	Angelina	2,499	06/28/61





The Information Resources staff is responsible for computer and network services to both internal and external customers. During FY01, some major network infrastructure enhancements were completed, converting many of our laboratory locations from low-speed frame-relay circuits to high-speed T1 lines, and transitioning our 32 voice and data lines to fiber optic cable. Scientists will be able to take full advantage of future information technologies. Software products were installed that will enhance ability to support employees by using management concepts and tools. A cooperatively-developed, state-of-the-art computing facility for meteorological modeling applications is being established at the Athens, GA Forestry Sciences Lab.

The Human Resources section is leading the SRS effort to refine a workforce plan. This effort involves gathering specific information from RWUs and administration groups about anticipated turnover, planned hiring, and changes in skills needed for a 1-year and 5-year period. The plan is part of a nationwide Forest Service effort to provide more accurate information on hiring needs, attrition, and skills mix. It will also serve as a needs assessment for the National Recruitment Plan and college recruitment activities. As will other government agencies, lower hiring levels over the past decade, and the expected attrition as “Baby Boomers” retire, has left serious age and skills gaps in our workforce.

### Recruitment Initiatives

The Southern Research Station continues to manage recruitment assets for the Forest Service through two highly successful multicultural Recruitment Initiatives: Alabama A&M (AAMU) and Florida A&M (FAMU).

The purpose of the Initiatives is to attract traditionally underrepresented individuals to forestry and other natural resource science occupations. Thirty-eight students in forestry programs were hired by the Forest Service as summer employees. Three graduates were converted to full-time positions in forestry or closely related occupations. The programs are producing a consistent stream of well-qualified minority students who are interested and experienced in Forest Service work, with promise for adding to the diversity of the agency’s workforce. The Initiative schools continue to be valuable research cooperators as well.

### Branching Out to the Youth of America

The Conservation Education Outreach Program (CEOP) continues to be an integral part of the overall education effort of the Southern Research Station.

The concept of the CEOP is to engage youngsters in conservation education activities in urban settings in the inner cities where they live. The target audiences are selected for cultural, sociological, and economic diversity specifically including underserved, nontraditional publics. The goals of the program are: (1) to interact with urban youth from diverse age groups, socioeconomic backgrounds, ethnicities, and geographic locations helping them to gain an appreciation for natural resource conservation and sustainability; (2) to create an interest in Forest Service careers among underrepresented populations in urban environments; and (3) to provide contact between scientists and the summer interns to encourage them to pursue advanced degrees, thereby expanding the pool of diverse candidates for research positions.

## Administration

Two teams of 3-4 interns were employed by SRS, with one stationed in Asheville, NC and the other in Huntsville, AL. They worked with youngsters from preschool through high school, at locations throughout the South. They did a variety of teaching activities with groups from 30 to 200 youngsters at each site visit, reaching over 4,000 youngsters during the summer of FY01. Additional teams trained in Asheville worked out of Philadelphia, Milwaukee, and Atlanta.

### Civil Rights and Workforce Diversity

The Civil Rights (CR) program continues to have a strong emphasis at SRS, with a full-time Civil Rights Director and a Station-wide CR committee. Policy assures that SRS seeks to find and hire diverse candidates for positions and encourages a healthy, affirming work environment that contributes to retention. Three minority employees were hired at SRS in FY01 under the National Scientist Recruitment Initiative. The FAMU and AAMU recruitment initiatives, the CEOP environmental intern program, and recurring multicultural events are part of our commitment to workforce diversity. While completing the CR training from USDA, over the last few years, SRS has been implementing a “human rights” perspective – an inclusive program to encourage employees to work together to resolve issues and misunderstandings and to give them the needed training and tools.

### Improving Customer Service

The Catalog of Recent Publications has been revamped into the *Compass*, which is distributed hard copy and electronically. The hard copy now features an eye-catching full-color cover to make it competitive for attention with all the other material that people receive. It also includes information about the Southern Research Station and personnel, a theme focus on some of the recent publications, as well as the current abstracts that have always been its primary content.

The Southern Research Station Web site is a keystone of our customer service and technology transfer efforts. With over 14 gigabytes of



Lab work in Athens, GA

information available to the public electronically, we have seen dramatic increases in the number of visitors to the site in the past three years. Following are estimates of numbers of publications distributed for the past four years. All of the publications listed in our *Compass* catalogs are put online before the catalog is distributed, with the count now over 2,400 documents available for downloading.

A recent addition to our publication service is developing a publication evaluation comment card, that is now operational online ([www.srs.fs.fed.us/pubeval](http://www.srs.fs.fed.us/pubeval)). We anticipate having the printed version of the comment card early in FY02 for distribution to readers who request “hard copy” printed publications.

Please contact us anytime you have questions or comments about the services of the Southern Research Station. ▲





To receive our quarterly catalog of recent publications, the “Compass,” send us your name and address and we will be happy to add you to our mailing list. The catalog is also on our Web site and you can subscribe to a listserv to receive it by e-mail.

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March 2002

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