

NCPTT

Annual Report for the period October 1, 1994 — September 30, 1998

National Center for
Preservation Technology and Training

National Park Service
U.S. Department of the Interior



To the President and Congress

The Preservation Technology and Training Board is pleased to be part of a new and critically needed, initiative of the National Park Service — the National Center for Preservation Technology and Training. The opportunity to bring our varied professional experience to bear on NCPTT's development — and to see so much accomplished in the first four years — has been both exciting and rewarding. This report describes important new work that has had remarkable nationwide impact in a very short time — an accomplishment with which this advisory board is proud to be associated.

Dr. Elizabeth A. Lyon
On behalf of the Preservation Technology and Training Board
November 1998

Creating NCPTT

In the mid-1980s, the U.S. Congress, responding to decades of concern from the preservation community, commissioned its Office of Technology Assessment to examine the relationship between technology and the development of the national preservation industry. OTA's report — *Technologies for Prehistoric & Historic Preservation* — cited "the critical need to establish a federally funded institution ... to coordinate research, disseminate information, and provide training about new technologies for preservation."

Recommendations for a national research and development organization devoted to technical issues in preservation were adapted into legislation sponsored by Senator J. Bennett Johnston of Louisiana. The National Historic Preservation Act Amendments of 1992 included a new "national initiative to coordinate and promote research, distribute information, and provide training about preservation skills and technologies." To implement the new initiative, Congress established the National Center for Preservation Technology and Training and its advisory board, the Preservation Technology and Training Board.

NCPTT Purposes

NCPTT has five legislated purposes —

"(1) develop and distribute preservation and conservation skills and technologies for the identification, evaluation, conservation, and interpretation of prehistoric and historic resources;

"(2) develop and facilitate training for Federal, State and local resource preservation professionals, cultural resource managers, maintenance personnel, and others working in the preservation field;

"(3) take steps to apply preservation technology benefits from ongoing research by other agencies and institutions;

"(4) facilitate the transfer of preservation technology among Federal agencies, State and local governments, universities, international organizations, and the private sector; and

"(5) cooperate with related international organizations including but not limited to the International Council on Monuments and Sites, the International Center for the Study of Preservation and Restoration of Cultural Property, and the International Council on Museums."

These purposes are fulfilled through NCPTT's three components — research, training and information management — and four programs — grants, projects, clearinghouse and consultations. Nearly all of NCPTT's work is undertaken in partnership with preservation organizations and institutions throughout the United States. This annual report includes descriptions of the activities and achievements of each NCPTT component and program, and the partners with whom NCPTT collaborates.



Preservation Technology and Training Board

The PTTBoard has three legislated duties —

"(1) provide leadership, policy advice, and professional oversight to the Center"

The PTTBoard reviews NCPTT's current and future activities twice annually and advises the National Park Service on NCPTT's direction and development. One of the PTTBoard's chief means of assisting NCPTT to gauge its development and progress is a long-range plan prepared by the PTTBoard. This annual report includes excerpts from the long-range plan.

"(2) advise the Secretary on priorities and the allocation of grants among the activities of the Center"

The PTTBoard advises on NCPTT's grants program — including annual review of the call for proposals, proposal review process and criteria for selection of awards — to assure that the grants program addresses current national and professional issues.

"(3) submit an annual report to the President and the Congress."

This responsibility is fulfilled by this report for fiscal years 1995-1998, October 1, 1994-September 30, 1998.

PTTBoard Members 1994-1998

As legislated, thirteen members comprise the PTTBoard: the Secretary of the Interior or the Secretary's designee, six members appointed by the Secretary who represent "Federal, State and local agencies, State and local historic preservation commissions, and other public and international organizations," and six members appointed by the Secretary "on the basis of outstanding professional qualifications who represent major organizations in the fields of archeology, architecture, conservation, curation, engineering, history, historic preservation, landscape architecture, planning, or preservation education."

The initial PTTBoard was appointed by the Secretary of the Interior in 1994. Since initial appointments in 1994, two members have left the PTTBoard and two members have joined.

Chair, 1994-
Dr. Elizabeth A. Lyon
Term 1994-2004

Vice-chair, 1994-
Robert Z. Melnick, FASLA
School of Architecture and Allied Arts
University of Oregon
Term 1994-2000

Secretary of the Interior's representative, 1994-
E. Blaine Cliver
Historic American Buildings Survey/
Historic American Engineering Record
National Park Service

Dr. Neville Agnew
Getty Conservation Institute
Term 1994-2002

Patricia H. Gay
Preservation Resource Center
of New Orleans
Term 1997-2000

Dr. Jon Gibson
University of Southwestern Louisiana
Term 1994-1995

Nicholas Gianopolos
Keast and Hood Company
Term 1994-2002

Dr. Alferdteen B. Harrison
Margaret Walker Alexander
National Research Center
Jackson State University
Term 1994-2002

Dr. James K. Huhta
The Center for Historic Preservation
Middle Tennessee State University
Term 1994-2004

Dr. W. James Judge
Department of Anthropology
Fort Lewis College
Term 1994-2004

Christy McAvoy
Historic Resources Group
Term 1995-2004

F. Blair Reeves, FAIA
School of Architecture
University of Florida
Term 1994-2002

Carolyn L. Rose
Department of Anthropology
National Museum of Natural History
Smithsonian Institution
Term 1994-2000

Frank Emile Sanchis, III
National Trust for Historic Preservation
Term 1994-2000

Dr. Patty Jo Watson
Department of Anthropology
Washington University
Term 1994-1995

Long-Range Plan

This plan was developed by the PTTBoard in consultation with NCPTT, coordinated with the National Park Service systemwide and cultural resources strategic plans, and distributed for comment to the national preservation community. The fourteen goals of NCPTT's long-range plan address development of NCPTT and its information management, training and research components.

Goal 1 Sufficient resources for full implementation of NCPTT's legislated purposes and mission in information management, training and education, and research

Goal 2 Public awareness of and cooperation with NCPTT's goals and programs

Goal 3 Increased and improved access to preservation information and user knowledge of electronic means to obtain information

Goal 4 Enhancement of NCPTT as a clearinghouse for preservation information

Goal 5 Information dissemination to a broad preservation constituency in a wide variety of media

Goal 6 Employment of the most current means of information management and dissemination

Goal 7 Expanded access to all types of preservation training via NCPTT, which serves as a national clearinghouse of training opportunities

Goal 8 National leadership in preservation training and education

Goal 9 Encouragement of programs encompassing the entire continuum of preservation and conservation education — from public awareness to specialized professional training

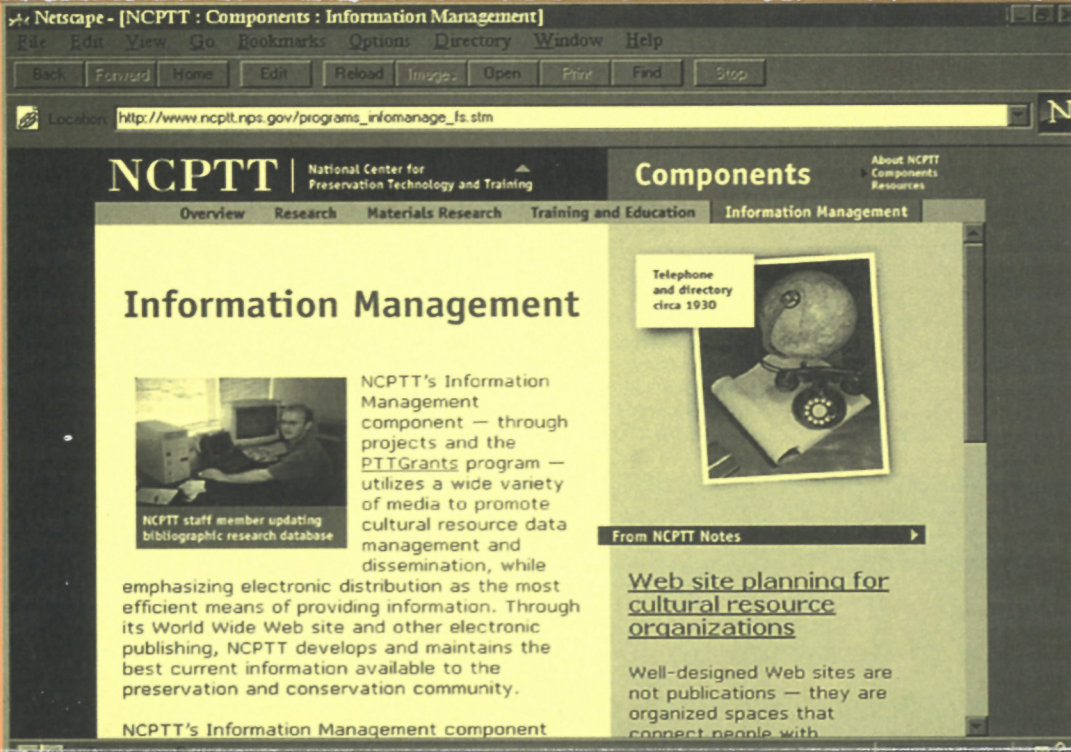
Goal 10 Establishment of NCPTT as a major sponsor of research in preservation and education

Goal 11 Assessment of national research needs in preservation, and establishment of research priorities by discipline

Goal 12 Identification of institutions currently conducting preservation research, and determination of the nature and scope of research to be conducted by NCPTT

Goal 13 Transfer of technologies and technical information among agencies and organizations, and among disciplines

Goal 14 Publication and distribution of research results in order to increase access to technology and expertise relevant to all aspects of preservation.



NCPTT Organization

Within the US Department of the Interior, NCPTT is part of the Washington office of the National Park Service — under the Associate Director for Cultural Resource Stewardship and Partnerships.

NCPTT is organized in three components - research, training and information management —, and each component participates in four NCPTT programs - grants, projects, clearinghouse and consultations.

NCPTT Components

Research

NCPTT's Research component encourages and supports the application of science and technology to the preservation of cultural resources, with emphasis on the transfer of new technologies from related fields and — the role of atmospheric pollution in decay processes. The Research component's work benefits preservation practitioners and, ultimately, the nation's cultural resources.

Training

NCPTT's Training component supports and develops training in new preservation technologies, and the use of new media in delivering training. The Training component's work benefits individuals, public and private organizations and institutions, Federal agencies, and state and local governments.

Information Management

NCPTT's Information Management component develops NCPTT as a clearinghouse for preservation information, disseminates preservation information to a broad audience in a wide variety of media, and supports the development of electronic sources of preservation information.

NCPTT Programs

Preservation Technology and Training Grants

PTTGrants are NCPTT's chief means of stimulating original and innovative work that enhances and improves the preservation of our nation's cultural resources.

The PTTGrants program was created within legislation that also established NCPTT and the PTTBoard — "in order to ensure an effective and efficient system of research, information distribution and skills training in all the related historic preservation fields."

PTTGrants support work on technical issues in archeology, historic architecture, historic landscapes, objects and materials conservation, and interpretation. PTTGrants are awarded annually and competitively, following a call for proposals and a three-tiered review that includes external review by disciplinary peers.

In 1994 and 1995, PTTGrants were awarded for research and training projects. In 1996, the PTTGrants were awarded for research, training and information management projects. Since 1997, PTTGrants are awarded for eight project types —

- Information management
- Training and education
- Applied/fundamental research
- Environmental effects of outdoor pollutants on cultural resources
- Technology transfer
- Analytical facility support
- Conference support
- Publications support

Since 1994, requests for PTTGrants have totaled nearly \$25 million; over \$3.5 million have been awarded.

PTTGrants for 1994-1998 are listed on the reverse of this brochure.

Preservation Technology and Training Projects

Each NCPTT component undertakes specialized projects that build on the personal professional expertise of NCPTT's senior staff, address aspects of NCPTT's mission and long-range plan, and continue or expand work initiated under the PTTGrants program.

PTTProjects for 1994-1998 are listed on the reverse of this brochure.

Preservation Technology and Training Clearinghouse

The Office of Technology Assessment report cited that "Efficient access to information remains one of the greatest impediments to effective management of cultural resources." NCPTT's PTTClearinghouse seeks to provide competent and useful preservation information in a variety of easily accessible media.

NCPTT's Web site and Preservation Technology and Training Publications series are important activities within the PTTClearinghouse program.

NCPTT's Web site address is <www.ncptt.nps.gov>.

PTTPublications distributes the results of PTTGrants and PTTProjects — in print, compact disk and video, and via Internet. PTTPublications also includes NCPTT's newsletter — *NCPTT Notes* — published seven times per year. *NCPTT Notes* features NCPTT's work and other information useful to the preservation community. The PTTPublications catalog is posted to NCPTT's Web site and published annually as a supplement to *NCPTT Notes* — most recently as Spring Supplement 1998 (*NCPTT Notes* number 24).

Preservation Technology and Training Consultations

The PTTConsultations service draws on the professional expertise of NCPTT's senior staff to provide on-site assistance for preservation projects, and to provide expert presentations at workshops, symposiums and conferences. PTTConsultations are NCPTT's opportunity to have immediate impact locally, regionally and nationally.

Selected PTTConsultations for 1994-1998 are listed on the reverse of this brochure.



NCPTT Finances

NCPTT is funded from two sources: an annual Congressional appropriation specifically for the operation of NCPTT and its programs, and support for NCPTT's Materials Research Program through the National Acidic Precipitation Assessment Program

	1995	1996	1997	1998
Available funds				
NCPTT	\$1,848,000	\$1,833,000	\$1,824,000	\$1,790,000
Materials Research Program	\$524,000	\$558,000	\$518,000	\$546,000
Total	\$2,373,000	\$2,391,000	\$2,342,000	\$2,336,000
Expenditures				
NCPTT	\$640,000	\$372,000	\$341,000	\$330,000
PTTGrants	\$933,000	\$720,000	\$638,000	\$715,000
PTTProjects	\$575,000	\$929,000	\$1,025,000	\$900,000
NCPTT staff and travel support for PTTGrants and PTTProjects	\$225,000	\$370,000	\$338,000	\$391,000
Total	\$2,373,000	\$2,391,000	\$2,342,000	\$2,336,000

NCPTT Headquarters

As legislated, NCPTT is located on the campus of Northwestern State University of Louisiana in Natchitoches, Louisiana.

Under a \$3.35 million contract between the National Park Service and NSU — with Federal funds appropriated in 1994 —, NSU shall renovate a circa 1926 gymnasium as NCPTT headquarters. The gymnasium is listed on the National Register of Historic Places.

Groundbreaking for the project was in August 1997; a major fire in November 1998 has delayed project completion.

National Park Service

Robert G. Stanton
Director

Katherine H. Stevenson
Associate Director, Cultural Resource Stewardship and Partnerships

NCPTT is one of three national centers that comprise the office of the Associate Director for Cultural Resource Stewardship and Partnerships: NCPTT, the National Center for Cultural Resources Stewardship and Partnerships Programs, and the National Center for Recreation and Conservation.

National Park Service
1849 C Street NW
Washington, DC 20240

Web

<www.nps.gov>

NCPTT
NSU Box 5682
Natchitoches, Louisiana 71497

Telephone
E-mail
Web

318/357-6464
<ncptt@ncptt.nps.gov>
<www.ncptt.nps.gov>

NCPTT

Five permanent full-time National Park Service staff serve as NCPTT's senior staff, supplemented by associates employed through a cooperative agreement with Northwestern State University of Louisiana and student assistants employed by the National Park Service. NCPTT staff totals 12-15.

Executive Director, 1994-

John Robbins
BArch, University of Virginia
Mr. Robbins has practiced as a preservation architect with the National Park Service and in private practice.

Information Management Coordinator, 1994-

Mary Carroll
MA, Arizona State University
Ms Carroll is an archeologist whose career has focused on the analysis, design and implementation of computerized database management systems — including database systems for large-scale archeological field projects and repositories.

Materials Research Program Manager, 1995-

Dr. Mary F. Striegel
PhD, Washington University
Dr. Striegel is an inorganic chemist whose work has focused on materials effects and analytical techniques related to cultural resources conservation.

Research Coordinator, 1994-

Dr. Mark Gilberg
PhD, University of London Institute of Archaeology
Dr. Gilberg is a conservation scientist with international experience in a broad range of research and conservation issues, including those related to archeological and ethnographic materials in museum collections.

Training Coordinator, 1994-

Frances Gale
MS, Columbia University
Ms Gale is an architectural materials conservator with extensive experience in the conservation of historic structures and monuments, and in conservation training and education.

Our Mission

U.S. Department of the Interior

The mission of the Department of the Interior is to protect and provide access to our Nation's natural and cultural heritage and to honor our trust responsibilities to tribes.

National Park Service

The National Park Service preserves unimpaired the natural and cultural resources and values of the National Park System for the enjoyment, education and inspiration of this and future generations. The Service cooperates with partners to extend the benefits of natural and cultural resource conservation and outdoor recreation throughout this country and the world.

National Center for Preservation Technology and Training

The National Center for Preservation Technology and Training promotes and enhances the preservation of prehistoric and historic resources in the United States for present and future generations through the advancement and dissemination of preservation technology and training.

NCPTT, created by Congress, is an interdisciplinary effort by the National Park Service to advance the art, craft and science of historic preservation in the fields of archeology, historic architecture, historic landscapes, objects and materials conservation and interpretation. NCPTT serves public and private practitioners through research, education and information management.





Throughout the United States, NCPPT has undertaken important and varied work to advance the preservation of cultural resources. Partners in government, private practice, tribes, museums, universities and non-profits are important collaborators in nearly all that NCPPT has accomplished. This list summarizes NCPPT's work through the PTTGrants, PTTProjects and PTTConsultation programs.

Research

Training

Information Management

1

Conducting a Native Americans and Archeology Workshop
Arizona Archaeological Council, Kykotsmvi, Arizona

2

Conducting Workshops for Methods of Archeological Site Discovery and Evaluation
Society for American Archaeology, Washington, DC

3

Developing an Interactive Multimedia Training Program for Advanced Mapping Technologies
Bureau of Land Management, U.S. Department of the Interior, Phoenix, Arizona

4

Developing a Database for the Study of 20th Century Building Materials
National Council for Preservation Education, Ithaca, New York

5

Developing a Low-Cost Photogrammetric Data Archival System
University of Arkansas, Fayetteville, Arkansas

6

Developing Efficient Techniques for Analyzing Blood Residues on Tools from Archeological Sites
Conservation Analytical Laboratory, Smithsonian Institution, Washington, DC

7

Developing Guidelines for Allowable Temperature Fluctuations in Museums and Historic Properties
Conservation Analytical Laboratory, Smithsonian Institution, Washington, DC

8

Developing Methods and Technologies for Preserving Woody Plants in Historic Landscapes
Arnold Arboretum, Harvard University, Cambridge, Massachusetts

9

Developing NCPTT's Internet Services
NCPTT, Natchitoches, Louisiana

10

Editing Proceedings of The Techniques and Uses of Garden: Archaeology Conference
United States Committee/International Council on Monuments and Sites, Washington, DC

11

Hiker Bounce Management
University of Delaware, Newark, Delaware

12

Investigating the Effectiveness of Protective Glazing for Historic Stained Glass Windows
Inspired Partnerships, Chicago, Illinois

13

Investigating Improvements of Existing Heating and Air Conditioning Systems in Historic Structures
New York State Historic Preservation Office, Albany, New York

14

Investigating the Preservation of Historic Carved Sandstone Buildings in Marine Environments
Historic Preservation Commission, Monterey, California

15

Preservation Resource Guide for Public Works Managers
American Public Works Association, Kansas City, Missouri

16

Researching Environmental Exposure Effects on Historic Stone Buildings
Carnegie Mellon University, Pittsburgh, Pennsylvania

17

Researching the Decay of Marble and Limestone Buildings
U.S. Geological Survey, Reston, Virginia

18

Save Outdoor Sculpture: Louisiana Survey
Louisiana State University, Baton Rouge, Louisiana

19

Stone Field Test Site Exposure
Argonne National Laboratory, Argonne, Illinois

20

Supporting and Developing the National Trust Library
NCPTT has continued to support this project in 1996 and 1997.
University of Maryland, College Park, Maryland

21

Testing the Energy Performance of Historic Windows in Cold Climates
Vermont State Historic Preservation Office, Montpelier, Vermont

22

A Training Video - Connections: Preserving America's Landscape Legacy
American Society of Landscape Architects, Washington, DC

1995

23

American Indian Voices in Preservation Training
Crow Canyon Archaeological Center, Cortez, Colorado

24

Analytical Services in Support of Historic Preservation
Frank Prusser and Associates, Los Angeles, California

25

Analyzing the Economic Impact of Historic Preservation in our Nation's Most Densely Populated State
New Jersey Historic Trust, Trenton, New Jersey

26

Analyzing the Effect of an Indoor Pollutant on Traditional East Paintings
Indiana University Art Museum, Indiana University, Bloomington, Indiana

27

Archeology for Managers Workshop
National Park Service-Archaeology and Ethnography, Washington, DC

28

Conservation Design for an Independence Hall Exhibit
National Park Service-Harpers Ferry Center, Harpers Ferry, West Virginia

29

Construction Technology Manual for Historic Buildings in Puerto Rico and the Caribbean
Caribbean Heritage, Guaynabo, Puerto Rico

30

Designing a Controlled Archeological Test Site for Evaluating Non-Invasive Technologies for Archeological Site Assessment
US Army Construction Engineering Research Laboratories, Champaign, Illinois

31

Designing Protective Coating Systems for Outdoor Bronze Sculpture and Ornamentation
Phase 2 of this project was undertaken in 1997; phase 3 was undertaken in 1998.
National Gallery of Art, Washington, DC

32

Developing a Conservation Inventory of Frank Lloyd Wright Structures
Frank Lloyd Wright Building Conservancy, River Forest, Illinois

33

Developing Agent-Based Computer Simulations for Identifying and Interpreting Archeological Sites
Washington State University, Pullman, Washington

34

Diagnosing Moisture in Historic Buildings Workshop
The Friends of Meridian Hill, Washington, DC

35

Documenting the Movement of Historic Objects Using Advanced Computer Simulation Technologies
National Preservation Institute, Washington, DC

36

Evaluating the Impact of Revegetation on the Preservation of Archeological Sites
University of Mississippi, University, Mississippi

37

Field Testing of a Non-Invasive, Non-Toxic Baiting System for Protecting Historic Structures from Subterranean Termites
Subsequent phases of this project were undertaken in 1997 and 1998 in partnership with the City of New Orleans Mosquito Control Board-Termite Division, New Orleans, Louisiana.
University of Florida, Fort Lauderdale, Florida

38

Field Testing Remote Sensing Systems for the Protection of Historic and Prehistoric Sites and Monuments from Vandalism
University of California, Riverside, California

39

Heritage Area Workshop
Northwestern State University of Louisiana, Natchitoches, Louisiana

40

International Interchange
NCPTT also sponsored US/ACOMOS interships in 1996, 1997 and 1998.
United States Committee/International Council on Monuments and Sites, Washington, DC

41

Investigating the Biogeochemical Relationship Between Prehistoric Rock Paints and Natural Rock Accretions
Newberry College, Newberry, South Carolina

42

Investigating Low-altitude Remote Sensing
National Park Service-Denver Service Center, Denver, Colorado

43

Investigating Relationships between Heritage Preservation and Economic Development in Rural Areas
Using the Bayou Teche Heritage Corridor as a Model
Louisiana State University, Baton Rouge, Louisiana

44

Investigating the Use of Silicates for the Treatment of Wet or Waterlogged Organic Materials
Texas A&M University, College Station, Texas

45

Investigating the Use of Turn-of-the-Century Whitewashes as Economic Indicators for Evaluating Sites for National Register Eligibility-Workshop
Ohio State Historic Preservation Office, Columbus, Ohio

46

Investing in the Past: Informed Decision Making for Historic Preservation in the Private Sector
Wilkinson County Museum, Woomville, Mississippi

47

A Multimedia Approach to Training Staff in Simple Book Repair
Dartmouth College, Hanover, New Hampshire

48

Museum Exhibit Lighting: Conservation Lighting Design and Current Technology Conference
Washington Conservation Guild, Washington, DC

49

Freer Gallery of Art, Washington, DC
Arthur M. Sackler Gallery, Washington, DC
National Park Service-Harpers Ferry Center, Harpers Ferry, West Virginia

50

NACPPA Workshop
National Park Service-Archaeology and Ethnography, Washington, DC

51

Preparing a Directory of Chemical Spot Tests for Materials Characterization
University of Arizona, Tucson, Arizona

52

Arizona State Museum, Tucson, Arizona

53

Preparing a Heritage Education Teacher's Manual Using Historic Landscapes
Morgan County Landmarks' Society, Madison, Georgia

54

Preservation Skills Training
Historic Windsor, Inc., Windsor, Vermont

55

Preservation Training for Local Governments
Georgia Department of Archives and History, Atlanta, Georgia

56

Preserving Our Endangered Past Workshop Series
Slaters Mill Historic Site, Pawtucket, Rhode Island

57

A Regional Seminar in Landscaping for Historic Properties
Southern Cultural Heritage Foundation, Vicksburg, Mississippi

58

Research Priorities in Art and Architectural Conservation
American Institute for Conservation of Historic and Artistic Works, Washington, DC

59

Researching the Use of Oral Histories to Interpret African-American Theaters in the South
City of Macon, Georgia

60

Soils Workshop
Northeast Louisiana University, Monroe, Louisiana

61

Three-Dimensional Coordinate Measurement of Historic Artifacts
Mystic Seaport Museum Inc., Mystic, Connecticut

62

Timber Framing Workshop
Timber Framers Guild of North America, Bellingham, Washington

63

Texas Department of Parks and Wildlife, Austin, Texas

64

Training for Instructor's Certificate in the Building Trades
University of Vermont, Burlington, Vermont

65

A Training Video - Culture Shock: Fire Protection for Historic and Cultural Property
Boston University, Boston, Massachusetts

66

A Training Video - Lead-Based Paint Abatement in Historic Structures
Maryland State Historic Preservation Office, Crownsville, Maryland

67

Youth Training in Vernacular Earthen Architecture and Associated Cultural Traditions
Cornerstones Community Partnerships, Santa Fe, New Mexico

68

Arizona's Cultural Resource Database: Developing a Master Plan
Arizona State Museum, Tucson, Arizona

69

Building Code Issues in Rehabilitation: Solutions and Precedents
California Preservation Foundation, Oakland, California

70

Carbonate Stone Decay Model and Materials Research Program Synthesis
US Geological Survey, Menlo Park, California

71

Computerizing Maryland's Historic Site Records
Maryland State Historic Preservation Office, Crownsville, Maryland

72

A Creole Heritage Preservation Guide
St. Augustine Historic Society, Natchitoches, Louisiana

73

Cultural Resources Protection: Training for Northern Nevada Tribes
Washoe Tribe of Nevada and California, Gardnerville, Nevada

74

Deposition Studies on Consolidated Stone
NCPTT, Natchitoches, Louisiana

75

Developing a Prototypical Historic Fire Risk Index to Evaluate Fire Safety in Historic Buildings
Fire Safety Institute, Middlebury, Vermont

76

Developing Comprehensive Testing Protocols for Protective Coatings for Silver Objects in Museum Collections
Corrosion and Materials Research Institute, Newark, Delaware

77

Developing Models for Parking and Pedestrian Circulation Design in Historic Downtowns
University of Kentucky, Lexington, Kentucky

78

Developing Standards and Procedures for Recording Courthouses Using Customized Digital Technologies: A Model for Statewide County Courthouse Digital Documentation
University of Texas, San Antonio, Texas

79

Developing Statewide Preservation Organizations
National Trust for Historic Preservation, Washington, DC

80

Electronic Market Systems for Locating Re-buried Archeological Sites
Washington State Historic Preservation Office, Olympia, Washington

81

Hazards in Conservation Materials and Processes: Workshop and Technical Field Guide
RESTORE, New York, New York

82

Heritage Education Survey
Center for Historic Preservation, Middle Tennessee State University, Murfreesboro, Tennessee

83

Historic Landscapes Workshops
The Alliance for Historic Landscape Preservation, New York, New York

84

Historic Preservation Workshop for Planning and Preservation Commissioners
University of Georgia, Athens, Georgia

85

Internet Access to State-by-State Preservation Law
National Council of State Historic Preservation Officers, Washington, DC

86

National Communications Survey
Louisiana State University, Baton Rouge, Louisiana

87

Investigating the Use of Lasers for the Preservation of Cultural Materials
Los Angeles County Museum of Art, Los Angeles, California

88

Maritime Cultural Resources: Developing and Sharing an Expandable Online Database
Ohio State Historic Preservation Office, Columbus, Ohio

89

Materials Research Program Literature Project
NCPTT, Natchitoches, Louisiana

90

NCPTT Environmental Exposure Facility
NCPTT, Natchitoches, Louisiana

91

NCPTT Training and Education Database
NCPTT, Natchitoches, Louisiana

92

A New Technique for Accurately Dating Prehistoric Rock Paintings
Texas A&M University, College Station, Texas

93

Preservation Leadership Training Workshop
NCPTT sponsored a second PLT workshop in 1997.
National Trust for Historic Preservation, Washington, DC

94

Association for the Preservation of Historic Natchitoches, Natchitoches, Louisiana
Natchitoches Historic Foundation, Natchitoches, Louisiana

95

Main Street Natchitoches, Natchitoches, Louisiana

96

Preservation Weekend Workshops
The first in this on-going workshop series was held in Austin, Texas; the second, in 1998, was held in Denver, Colorado.
Texas Historical Foundation, Austin, Texas

97

Texas State Historic Preservation Office, Austin, Texas

98

University of Texas, Austin, Texas

99

Colorado Preservation Inc., Denver, Colorado

100

Preserving the Past and Building the Future: A Conference for Architects and Conservators
American Institute of Architects, Washington, DC

101

American Institute for Conservation of Historic and Artistic Works, Washington, DC

102

Preserving Mechanical Systems: CD-ROM Correspondence Course
Belmont Technical College, St. Clairsville, Ohio

103

Providing Public Access to Hawaii's Preservation Information via World Wide Web
Hawaii State Historic Preservation, Honolulu, Hawaii

104

Researching Bronze Corrosion in Marine Environments
Urban Art, Inc., Los Angeles, California

105

Researching Primary Sulphur Dioxide Deposition on Fossiliferous Limestone
University of Delaware, Newark, Delaware

106

Saving Historic Architecture and Antiques Workshop
National Park Service-Natchez National Historic Park, Natchez, Mississippi

107

Association for the Preservation of Historic Natchitoches, Natchitoches, Louisiana

108

Second International Conference on Wood Protection with Diffusible Preservatives
Forest Products Society, Madison, Wisconsin

109

State of the Art Literature Review on Acid Deposition and Stone Deterioration
United States Committee/International Council on Monuments and Sites, Washington, DC

110

Statistical Analysis of NAPPAP Chemical and Physical Data
Dr. Terry Reedy, Newark, Delaware

111

Statistical Analysis of NAPPAP Meteorological Data
Dr. Terry Reedy, Newark, Delaware

112

A Training Video - Restoring Dry-Stone Walls and Fences
Kentucky State Historic Preservation Office, Frankfort, Kentucky

113

Using Aerial Photography to Document and Monitor the Condition of Prehistoric Earthen Structures
Society for American Archaeology, Washington, DC

114

Using Three-Dimensional Ground Penetrating Radar to Locate and Identify Buried Archeological Features
University of Colorado, Boulder, Colorado

115

Using UV Photography to Document Water Flow Patterns
Vernon Miller and Associates, Santa Barbara, California

116

Uva Law Library Collection: Developing an Internet Database for Preservation Law
University of Virginia Law School, Charlottesville, Virginia

1997

117

Advancing SHPO Geographic Information Systems in the Western United States
New Mexico State Historic Preservation Office, Santa Fe, New Mexico

118

Wyoming State Historic Preservation Office, Cheyenne, Wyoming

119

Computer Modeling of Ventilated Protective Glazing Applied to Stained Glass Windows
Ensmoel Engineering, Inc., Denver, Colorado

120

The Conservation and Preservation of Tabby: A Symposium on the Historic Building Material in the Coastal Southeast
Georgia State Historic Preservation Office, Atlanta, Georgia

121

The Conservation of Historic Brick Structures Monograph
Institute of Fine Arts, New York University, New York, New York

122

The Conservation of Outdoor and Indoor Sculpture and Monuments - Through a Conservator's Eye Workshop
Brookgreen Gardens, Murrells Inlet, South Carolina

123

Save Outdoor Sculpture!, Washington, DC

124

Southeastern Museums Conference, Baton Rouge, Louisiana

125

North Carolina Museums Council, Raleigh, North Carolina

126

South Carolina Federation of Museums, Columbia, South Carolina

127

Association for the Preservation of Historic Natchitoches, Natchitoches, Louisiana

128

Coordinate Measurement of Ships and Smaller Craft: A Cooperative Project
Mystic Seaport Museum, Inc., Mystic, Connecticut

129

Cresting, Maintaining and Sharing Historic Resource Surveys on the Internet
University of Houston, Houston, Texas

130

Development of Non-Linear Documentation Strategies for Incorporating Computerized Solid Modeling in Historic Building Surveys
Texas A&M University, College Station, Texas

131

Digital Image Enhancements and Compositing of Plan View Geophysical Data Sets
Boston University, Boston, Massachusetts

132

Digital Videographic Imaging: Digital Recording, Preservation and Dissemination of Archeological Data
Anne Arundel County Trust for Preservation, Inc., Annapolis, Maryland

133

Digitization of Primary Documents Pertaining to the Archeological Collections from California and Nevada in the Phoebe Hearst Museum of Anthropology
Phoebe Hearst Museum of Anthropology, University of California, Berkeley, California

134

Evaluating Historic DIRT Surfaces
Los Alamitos Foundation, Long Beach, California

135

Facility Support for Enhanced Analytical Services
Phase 2 of this project was undertaken in 1998.
Williamstown Art Conservation Center, Williamstown, Massachusetts

136

Lead Paint and Historic Preservation: Training and Workbook
Illinois State Historic Preservation Office, Springfield, Illinois

137

A Methodology for Preserving Cultural Landscapes along Historic Trails
National Park Service-Denver Service Center, Denver, Colorado

138

Michigan Historic Sites Database Online
Michigan State Historic Preservation Office, Lansing, Michigan

139

MORPH Version 2.0: Image Analysis Software
Raoul Eldebe, San Jose, California

124

Materials Research Program Archives
NCPTT, Natchitoches, Louisiana

125

Museum Lighting Protocol
Rensselaer Polytechnic Institute, Troy, New York

126

Nondestructive Method for Evaluating the Haze of Pointing Mortars
Rocky Mountain Masonry Institute, Denver, Colorado

127

Nondestructive Methods for the Structural Evaluation of Wood Floor Systems in Historic Buildings
Purdue University, West Lafayette, Indiana

128

Preservation TrainNet: Online Training for Local Governments
Goucher College, Towson, Maryland

129

Researching the Role of Microorganisms in the Deterioration by Atmospheric Pollutants of Stone Used in Historic Buildings and Monuments
Phase 2 of this project was undertaken in 1998.
Harvard University, Cambridge, Massachusetts

130

A Review of Recent Advances in Geographic Information Systems Applications for Archeology
University of Chicago, Chicago, Illinois

131

A Review of Rock Art Conservation: Theory and Practice
American Rock Art Research Association, Tucson, Arizona

132

Review of US Policy for Protecting Submerged Cultural Resources Beyond the Three-Mile Limit
Boston University, Boston, Massachusetts

133

Subsurface Acoustical Imaging Technology: Ground Penetrating Sonar
Scipio Institution of Oceanography, San Diego, California

134

Symposium on the Care and Preservation of Historic Vehicles
The Museums at Stony Brook, Stony Brook, New York

135

Teaching with Historic Places: Setting a Course for the Future
National Park Service-National Register of Historic Places, Washington, DC

136

Techniques for Restoring and Conserving Three-Dimensional and Stained Glass Objects
Gerald R. Ford Conservation Center, Nebraska State Historic Preservation Office, Omaha, Nebraska

137

A Training Video - Living with the Past: Preserving Community Resources
Oregon State Historic Preservation Office, Salem, Oregon

138

Using Submeter Global Positioning System to Survey Archeological Sites
University of Northern Colorado Research Corporation, Greeley, Colorado

1998

139

Building Stones of America: 50 Years of the NIST Stone Exposure Test Wall
National Institute of Standards and Technology, Gaithersburg, Maryland

140

Conservation Materials Database
Museum of Fine Arts, Boston, Massachusetts

141

Developing a Preservation Arts High School
Center for Architecture and Building Science Research, New Jersey Institute of Technology,
Newark, New Jersey

142

Draft Historic Building Code
Association for Preservation Technology International, Williamsburg, Virginia

143

The Effect of Color Temperature and Intensity on the Appearance and Aesthetic Quality of Illuminated Museum Objects
Brooklyn College, Brooklyn, New York

144

Exploring Archeological Sites Using a Modified Magnetic Susceptibility Probe
Southern Illinois University, Edwardsville, Illinois

145

Ground Penetrating Radar Workshop
University of Denver, Denver, Colorado

146

Harlem: Preserving an Historic Neighborhood Workshop
Abysmian Development Corporation, New York, New York

147

Heritage Education Website
Center for Historic Preservation, Middle Tennessee State University, Murfreesboro, Tennessee

148

Identifying Pigeonholes Colored Pencils
The Kress Foundation, New York, New York, and NCPTT are project co-sponsors.

149

American Society for Testing and Materials-Institute for Standards Research,
West Conshohocken, Pennsylvania

150

Colored Pencil Society, Washington, DC

151

University of North Carolina, Greensboro, North Carolina

152

Masonry: 150 Years of Endless Bibliography
The Masonry Society, Boulder, Colorado

153

Materials Characterization of Carbonate Stone
University of Houston, Houston, Texas

154

Modeling Simulated Archeological Features Using Advanced Geophysical Techniques
US Army Construction Engineering Research Laboratories, Champaign, Illinois

155

National Archeological Collections Management Conference
Society for Historic Archaeology, Tucson, Arizona

156

NEPA for Preservationists: A CD-ROM Learning Tool
National Preservation Institute, Alexandria, Virginia

157

New Protocol for Analyzing Deteriorated Historic Mortars
University of Delaware, Newark, Delaware

158

Nondestructive Methods for the Structural Evaluation of Wood Floor Systems in Historic Buildings
Purdue University, West Lafayette, Indiana

159

Online Course on Paper Conservation
Northeast Document Conservation Center, Andover, Massachusetts

160

Online Information for Preserving Religious Properties
Partners for Sacred Places, Philadelphia, Pennsylvania

161

Preserving Historic Guastavino Tile Ceilings, Domes and Vaults Conference
New York Landmarks Conservancy, New York, New York

162

Proceedings of the 11th Conference on Restoring Southern Gardens and Landscapes
Old Salem, Inc., Winston-Salem, North Carolina

163

Removing Gypsum Crusts from Carbonate Rocks Using Intermittent Flow Techniques
ArtZfacts, New York, New York

164

Research Priorities for Natural History Collections Conservation
Society for the Preservation of Natural History Collections, Washington, DC

165

Research Symposium on Conducting Economic Impact Studies in Historic Preservation
Center for Urban Development, Rutgers University, New Brunswick, New Jersey

166

Salt Decay of Porous Materials: A Literature Review
United States Committee/International Council on Monuments and Sites, Washington, DC

167

Science, Technology and Treatment of Alabaster Photographs
Monterey Museum of Art, Monterey, California

Selected PTCConsultations

NCPTT staff consults on significant preservation and conservation projects in their areas of personal expertise. The following list is a sample of organizations and institutions with which NCPTT consults, and the types of projects undertaken.

165

Alexandria Historical and Genealogical Library and Museum, Alexandria, Louisiana

166

Preservation assessment 1995-1996
American Institute of Architects, Washington, DC

167

Preservation for Practitioners: Sessions at the AIA National Convention, San Francisco, California 1998

168

Arkansas Department of Parks & Tourism, Little Rock, Arkansas

169

Old Washington Historic Park, Washington, Arkansas

170

Consultation on a preservation master plan for Washington, Arkansas 1998

171

Association for the Preservation of Historic Natchitoches, Natchitoches, Louisiana

172

Barn at Melrose Plantation, Melrose, Louisiana: Preservation assessment and plan 1996-1997

173

Association for the Preservation of Historic Natchitoches, Natchitoches, Louisiana

174

Kate Chopin House, Clouterville, Louisiana: Preservation assessment 1998-

175

Centenary College, Shreveport, Louisiana

176

Meadows Museum of Art, Shreveport, Louisiana: Preservation assessment and plan 1996

177

City of Natchitoches and Natchitoches Historic District Commission, Natchitoches, Louisiana

178

Consultation on a preservation master plan for the Natchitoches Historic District, Natchitoches, Louisiana 1996-1997

179

Louisiana State University, Baton Rouge, Louisiana

180

Pentagon Barracks, Baton Rouge, Louisiana: Preservation assessment 1996-

181

Memphis Heritage, Memphis, Tennessee

182

Consultation on a preservation master plan for the Memphis Landing, Memphis, Tennessee 1995-1996

183

Service League of Natchitoches, Natchitoches, Louisiana

184

Pruitt-Homme-Rouquier House, Natchitoches, Louisiana: Preservation assessment 1996

185

Texas A&M University, College Station, Texas

186

Distance learning program on architectural materials conservation 1998-

187

Trinity Episcopal Church, Greenville, Louisiana

188

Preservation assessment 1998-

189

University of Southern California, Los Angeles, California

190

Historic preservation short courses 1998

Legend

Research

Grant

Project

Training

Grant

Project

Information Management

Grant

Project