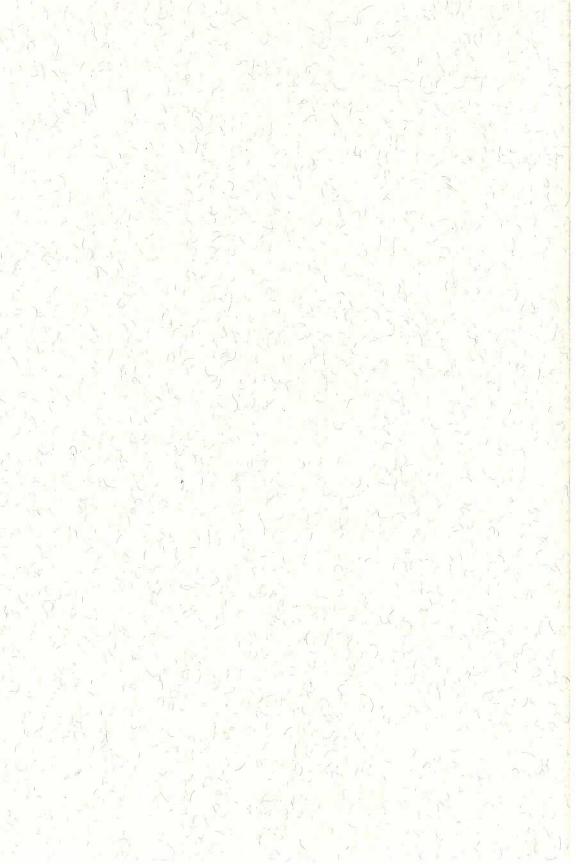


Annual APT Conference

Sheraton Society Hill Philadelphia, Pennsylvania

TRAINING COURSES September 20–23, 1992 September 23–26, 1992

CONFERENCE





The 1992 annual conference of the Association for Preservation Technology International (APT), Forward to the Past, is being held September 20–26, 1992, at the Sheraton Society Hill in Philadelphia, Pennsylvania. The meeting begins with two preconference training courses on September 20–23: Stained Glass Conservation and Ornamental Plaster Repair and Replication.

The main conference begins with an introductory walking tour and reception on Wednesday, September 23. Sessions begin on Thursday morning, September 24, and continue through Saturday afternoon, September 26. The conference formally ends with a celebration ball Saturday night at Philadelphia's historic Curtis Center. Organized by internationally respected leaders in the field of preservation, the APT conference offers continuing education opportunities through plenary and concurrent technical sessions that focus on preservation in practice, case studies, an international preservation sampler, preservation of sacred sites, investigation and restoration of domes, historic structure reports, computer applications for preservation, architectural fragments, preservation technology standards and preservation construction documents. A special plenary session will address the New Orleans Charter for the Joint Preservation of Historic Structures and Artifacts. Nationally recognized architect Susan Maxman, FAIA, Principal of Susan Maxman Architects and President-Elect 1993 of the National AIA, will deliver the opening keynote address.

Over the years APT conferences have gained a reputation for providing exquisite tours, especially concentrating on those sites with preservation work in progress. This year is no exception.

- ◆ Stroll through Philadelphia's grand Society Hill neighborhood.
- Capture a behind-the-scenes look at the restoration of Philadelphia City Hall, largest municipal building in the United States.
- Linger in the Pennsylvania Academy of the Fine Arts, the nation's oldest existing art museum and school of the fine arts.
- Investigate marble preservation on the Merchants' Exchange Building, site of ongoing National Park Service acid rain studies.
- Serve a short term at the National Historic Landmark, stone Eastern State Penitentiary, whose innovative plan influenced over 500 prisons throughout the world.

- Observe expert blacksmiths design, forge, and fabricate architectural and decorative metalwork at the Samuel Yellin Metalworks Company.
- Visit Henry Chapman Mercer's Moravian Pottery and Tile Works, where ceramicists still produce tiles in his original designs, and his home Fonthill, an early use of reinforced concrete.
- Marvel at a stone-cutting demonstration during a tour of Glencairn and the Bryn Athyn Cathedral, constructed using a twentieth-century revival of the guild system.
- * Explore the development of nineteenth and early twentieth century stained glass windows on a tour of four historic Philadelphia churches.
- * Return to school on a tour of the University of Pennsylvania Conservation Labs and the Furness Library.
- Enjoy a rare opportunity to access the attic and steeple of Independence Hall with the restoration architects.

As a complement to studying and touring, conference participants can socialize with others while enjoying some of the grand, historic spaces that grace the city of Philadelphia. Receptions will be held at The Athenæum, among its collections and archives; Carpenters' Hall, site of the First Continental Congress in 1774, and the Physick House, an imposing Federal townhouse (1786), the elegant Georgian Powel House (1765) and the Bishop White House (1786-87), home of the first bishop of the Episcopal Diocese of Pennsylvania. The annual luncheon is aptly located in City Tavern, a working reconstruction of the famous Revolutionary War tavern. Ending the conference in style, participants will gather in the elegant and historic Curtis Center, home to the Curtis Publishing Company, for the annual President's

For the first time, the conference will offer a poster exhibit, featuring completed or proposed projects, research, documentation or other projects related to APT's mission. In addition, a select number of exhibitors will provide conference participants the opportunity to see firsthand a variety of quality products and special services available for restoration and rehabilitation projects. A bookstore, featuring preservation and technology publications, will also be available throughout the conference.

APT conferences attract preservationists, architects, conservators, consultants, contractors, craftspersons, curators, developers, educators, engineers, historians, landscape architects, technicians and others directly involved in the systematic application of the knowledge of methods and materials to the maintenance, conservation and protection of our historic and World Heritage buildings, sites and artifact resources.

THE ASSOCIATION FOR APT is an interdisciplinary membership organization dedicated Preservation Technology to the practical application of the principles and techniques INTERNATIONAL (APT) necessary for the care and wise use of the built environment. Organized in Canada in 1968, the headquarters of APT was located in Ottawa until 1988, and is presently located in Fredericksburg, Virginia.

APT OFFICERS *President*, **Michael F. Lynch**, PE, RA, Senior Restoration Coordinator, New York State Office of Parks, Albany, New York

> Vice President, Susan Buggey, Director, Architectural History, Parks Canada, Ottawa, Ontario

Secretary/Treasurer, Thomas H. Taylor Jr., PhD, Architectural Collections Manager and Architectural Conservator, The Colonial Williamsburg Foundation, Williamsburg, Virginia

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Andrew Ladygo, Architectural Conservator, Corporation for Jefferson's Poplar Forest, Lynchburg, Virginia

Robert G. Lemon, MAIBC, Senior Planner, Heritage and Urban Design, City of Vancouver, Vancouver, British Columbia

Gail Sussman, Senior Education/Technical Advisor, Ontario Ministry of Culture and Communications, Willowdale, Ontario

Martha L. Werenfels, AIA, Associate, Irving B. Haynes and Associates, Providence, Rhode Island

John A. Fidler, Head of Architectural Conservation, English Heritage, London

Lori Anglin, Cultural Management Consultants, Potts Point, Australia

Donald Ellsmore, Convenor of the Australian Chapter of APT, Prymont, Australia

David G. Woodcock, AIA, RIBA, Professor of Architecture, Texas A&M University, College Station, Texas

Director-at-large, W. Brown Morton III, Department of Historic Preservation, Mary Washington College, Fredericksburg, Virginia

Past President, Herb Stovel, Executive Director, Institute for Heritage Education, Montréal, Québec

1992 CONFERENCE PROGRAM Harry Hunderman, Conference Chair

COMMITTEE Michael Lynch, Program Chair

Susan Buggey, Diane Cohen, Stephen Kelley, David Kemnitzer, Barrett Kennedy, Andrew Ladygo, Frank Matero, Neale Quenzel, Roberta Reid, Deborah Slaton, Baird Smith, Martha Werenfels, David Woodcock, Session Chairs

Sally Elk, Dennis Montagna, Barry Schnoll, Rebecca Shiffer, Local Organizing Committee

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CONFERENCE AT A GLANCE

Sunday, September 20

1:00 - 7:00 p.m. - TRAINING COURSE REGISTRATION

7:00 - 9:00 p.m. - Training Course Opening Reception

Monday, September 21

8:00 - 8:30 a.m. - Training Course Late Registration

8:00 a.m. - 5:30 p.m. - TRAINING COURSES

Tuesday, September 22

8:00 a.m. - 5:30 p.m. - TRAINING COURSES

Wednesday, September 23

8:00 a.m. - 5:00 p.m. - TRAINING COURSES

9:00 a.m. - 6:00 p.m. - Conference Registration

6:00 - 8:00 p.m. - OPENING RECEPTION

Thursday, September 24

7:30 a.m. - 5:30 p.m. - Conference Registration

8:30 a.m. - 5:30 p.m. - EXHIBITS/BOOKSTORE/POSTER EXHIBITS

8:30 a.m. - 12:00 noon - PLENARY SESSION

12:00 noon - 1:30 p.m. - Lunch Break

1:30 p.m. - 5:30 p.m. - CONCURRENT SESSIONS

 $5:30^{\circ}p.m. - 6:30^{\circ}p.m. -$ Annual meeting and Elections

6:30 p.m. - 8:30 p.m. - RECEPTION

Friday, September 25

8:00 a.m. - 5:30 p.m. - Conference Registration

8:30 a.m. - 5:30 p.m. - EXHIBITS/BOOKSTORE/POSTER EXHIBITS

8:30 a.m. - 12:00 noon - PLENARY SESSION

12:00 noon - 1:30 p.m. - Affinity Lunches, John Milner Roast

1:30 p.m. - 5:30 p.m. - CONCURRENT SESSIONS

6:30 p.m. - 8:30 p.m. - RECEPTION

Saturday, September 26

8:00 a.m. -12:00 noon - Conference Registration

8:30 a.m. - 5:30 p.m. - EXHIBITS/BOOKSTORE/POSTER EXHIBITS

8:30 a.m. - 12:00 noon - CONCURRENT SESSIONS

12:00 noon - 1:30 p.m. - Lunch Break

1:30 p.m. - 3:30 p.m. - CONCURRENT SESSIONS

3:30 p.m. - 5:30 p.m. - PLENARY SESSION

7:30 p.m. - 10:00 p.m. - President's Ball and Investiture of

COLLEGE OF FELLOWS

RAINING COURSES

Sunday, September 20

1:00 p.m. - 7:00 p.m. - Training Course Registration

7:00 p.m. - 9:00 p.m. - Training Course Opening Reception

Monday – Wednesday, September 21-23

Monday 8:00 - 8:30 a.m. - Training Course Late Registration Monday and Tuesday 8:30 a.m. - 5:00 p.m. - Training Courses Wednesday 8:00 a.m. - 5:00 p.m. - TRAINING COURSES

of Ornamental Plaster

Repair and Replication Andrew Ladygo, Architectural Conservator, Corporation for Jefferson's Poplar Forest, Lynchburg, Virginia, Course Coordinator David Flaharty, Sculptor, Green Lane, Pennsylvania, Instructor Jamie Kuryloski, Felber Studios, Inc., Ardmore, Pennsylvania, Instructor

This course is a practical and comprehensive exercise in the preservation of historic plaster and ornamental detail. It will address the development of the plastering trade and associated materials during the past several centuries. Both early and modern materials will be clearly defined and their application demonstrated in the classroom. Specification for the repair and reproduction of historic plaster will be discussed. Participants will be introduced to the design and production of ornamental plasterwork through illustrated lectures and demonstrations. Subjects will include cornice and run work, model and mold making, casting and scagliola. Polymer modified and reinforced gypsum processes will be addressed through discussion and demonstration. Conservation and stabilization of decorative historic plaster will be included in the course through several illustrated case studies and demonstration using small samples. This course is essential for professionals engaged in the evaluation and direction of treatment for plaster in historic buildings. NB All sessions will be held at the While the course is quite technical in nature, it would be appro-Sheraton Society Hill unless priate for any person who wishes to be well informed on the

otherwise noted subject.

Conservation

Stained Glass Julie L. Sloan, McKernan Satterlee Associates, Brewster,

New York, Course Coordinator

Bill Cummings, Cummings Studio, North Adams, Massachusetts,

Jean Farnsworth, The Census of Stained Glass Windows in America, Philadelphia, Pennsylvania, Instructor

The maintenance, preservation and conservation of stained glass is a highly specialized field, one in which many architects and preservationists have little background. Yet stained glass is an important material when projects include religious, government, institutional and some privately-owned buildings. This course will provide an overview of stained glass windows, and a solid technical background to make informed decisions about their care. Topics to be covered include researching a window's history, documenting windows, planning for a stained glass restoration project, and determining the extent and cost of a restoration. Participants will also learn to avoid common pitfalls of stained glass care; to identify widely-practiced procedures that are actually dangerous and destructive to windows; and to determine when, if and how to bring in experienced stained glass conservators. The course will focus on windows dating from approximately 1840 to the present that have been designed and manufactured in the United States and Europe. It will address the history of the craft in the nineteenth century; technical aspects of the manufacture of glass, lead came and stained glass windows; an overview of the deterioration of windows, their individual materials, and their framing and support systems; and a discussion of state-of-the-art conservation processes, when and how they are used, and the costs typically associated with highquality restoration. Other topics will include documentation of windows in situ during restoration; fund-raising suggestions; storage, safety, and insurance; working with professional craftspeople and conservators; and the pros and cons of protective glazing. A site trip to the First Unitarian Church will be included NB All sessions will be held at the to review the actual conditions of windows by Tiffany, La Farge, Sheraton Society Hill unless Holiday, Furness and others, and to stimulate discussion on otherwise noted appropriate preservation treatments.



Wednesday, September 23

9:00 a.m. - 6:00 p.m. - Conference Registration

6:00 - 8:00 p.m. - OPENING RECEPTION, THE ATHENÆUM, 219 South Sixth Street, Philadelphia

Thursday, September 24

7:30 a.m. - 5:30 p.m. - CONFERENCE REGISTRATION

8:30 a.m. - 5:30 p.m. - EXHIBITS/BOOKSTORE/POSTER EXHIBITS

8:30 - 9:15 a.m. - Plenary Session - Keynote Address

Susan Maxman, FAIA, Principal, Susan Maxman Architects; President-Elect 1993, American Institute of Architects, Philadelphia, Pennsylvania

9:00 - 10:15 a.m. - PLENARY SESSION - NEW ORLEANS CHARTER FOR THE JOINT PRESERVATION OF HISTORIC STRUCTURES AND ARTIFACTS (panel presentation)

Herb Stovel, Institute for Heritage Education, Montréal,

Ouébec

Thomas H. Taylor, Jr., PhD, Colonial Williamsburg Foundation,

Williamsburg, Virginia

John Fidler, English Heritage, London

Paul Himmelstein, Applebaum and Himmelstein, New York,

New York

10:15 - 10:30 a.m. - Refreshment Break

10:30 a.m. - 12:00 noon - New Orleans Charter (panel continued)

12:00 noon - 1:30 p.m. - Lunch Break

1:30 - 3:30 p.m. - CONCURRENT SESSIONS

BUILDING TYPES I STRATEGIES FOR WORKING WITH RELIGIOUS PROPERTY OWNERS Sacred Sites Diane Cohen, Co-Director, Partners for Sacred Places, Philadelphia, Pennsylvania, Session chair

> UNDERSTANDING THE CONSTITUENCY - A panel discussion focusing on patterns of property management within the religious community, the abilities and constraints of congregations and denominational bodies, and how the building professions can effectively serve this constituency and their historic buildings.

J. Randall Cotton, Director, Historic Religious Properties Program, Philadelphia Historic Preservation Corporation

Ed Crocker, Technical Director, Churches: Symbols of Community Project, New Mexico Community Foundation, Santa Fe, New Mexico

Henry Moss, Project Manager, Historic Boston Incorporated, Boston, Massachusettes

Andrew Rudin, Energy Management Specialist, The Interfaith Coalition on Energy, Philadelphia, Pennsylvania

Neal A. Vogel, Technical Services Coordinator, Inspired Partnerships, Chicago, Illinois

Mark Weber, Director, Technical Preservation Services Center, New York Landmarks Conversancy, New York, New York

PRESERVATION IN PRACTICE I Andrew Ladygo, Architectural Conservator, Corporation for Historic Structure Reports Jefferson's Poplar Forest, Lynchburg, Virginia, Session co-chair

> Neale Quenzel, John Milner Associates, West Chester, Pennsylvania, Session co-chair

BUILDING ARCHEOLOGY: A SCHOLARLY FUTURE FOR THE HISTORIC STRUCTURE REPORT. Gregory Clancey, SPNEA Conservation Center Waltham, Massachusettes

THE CONSERVATION ANALYSIS. Dr. Miles Lewis, Department of Architecture, University of Melbourne, Parkville, Victoria, Australia

THE HISTORIC STRUCTURE REPORT AS A PLANNING TOOL FOR HISTORIC HOUSE MUSEUMS. Martin Jay Rosenblum, Martin Jay Rosenblum, RA & Associates, Philadelphia, Pennsylvania

Scrape /Anti-scrape

PHILOSOPHY Susan Buggey, Director, Architectural History, Parks Canada, Ottawa, Ontario, Session chair

> THE PRESERVATION OF STONE TODAY: TECHNOLOGY AWAITS PHILOSOPHY. Richard Pieper, Jan Hird Pokorny, Architects and Planners, New York, New York

SIMPLE TESTING OF STONE CONSOLIDANTS IN THE FIELD AND IN THE LABORATORY, Erhard M. Winkler, South Bend, Indiana

VERNACULAR PLASTER CONSERVATION: PRACTICAL ANTI-SCRAPE. Rod Stewart, Historic Plaster Conservation Services, Port Hope, Ontario

3:30 - 5:30 p.m. - CONCURRENT SESSIONS

Sacred Sites (continued)

BUILDING TYPES I FOCUS ON TECHNICAL ISSUES: FINDING SOLUTIONS RESPONSIVE TO BUILDING NEEDS AND CONGREGATIONAL RESOURCES

> DEVELOPING USEFUL REPAIR PLANS AND MAINTENANCE PROGRAMS. Wesley Haynes, Historic Preservation Consultant, Argyle, New York

STEEPLES AND TRUSSES. J. Thomas Ryan, Principal, Ryan-Biggs Associates, P.C., Trov. New York

ENERGY MANAGEMENT IN OLDER RELIGIOUS BUILDINGS. Andrew Rudin, Energy Management Specialist, The Interfaith Coalition on Energy, Philadelphia, Pennsylvania

DISASTER PLANNING AND DOCUMENTATION IN THE EVENT OF FIRE. Carol Ann Nelson, AIA, Principal, Design and Conservation Architects, New Bedford, Massachusettes

HISTORIC BURIAL GROUNDS. Minxie J. and James C. Fannin, Fannin/ Lehner, Preservation Consultants, Concord, Massachusettes

ADOBE REPAIR AND RESTORATION. Ed Crocker, Technical Director, Churches: Symbols of Community Project, New Mexico Community Foundation, Santa Fe, New Mexico

(continued)

PRESERVATION IN PRACTICE I HISTORIC STRUCTURE REPORTS: CURRENT PRACTICE. Historic Structure Reports Andrea M. Gilmore, SPNEA Conservation Center, Waltham, Massachusettes

Susan Cecacci, SPNEA Conservation Center, Waltham, Massachusettes Peggy A. Albee, Cultural Resource Center, National Park Service, Charleston, Massachusettes

Pamela Hawkes, Ann Beha Associates, Boston, Massachusettes

We the People: The Interpretive Consequences of our

Preservation Decisions

PHILOSOPHY PANEL DISCUSSION

Martha Werenfels, AIA, Associate, Irving B. Haynes and Associates, Providence, Rhode Island

Whether by chance or intent, our preservation decisions often alter or limit interpretive opportunities at sites. We have assembled a multicultural, multi-ethnic panel to discuss and debate the role that we as professional decision-makers play in editing history.

Kay D. Weeks, Technical Preservation Service, National Park Service, Washington, D.C., Facilitator

Robert F. Lemon, MAIBC, Senior Planner, Heritage and Urban Design, City of Vancouver, Vancouver, British Columbia, Panelist

Antoinette J. Lee, National Register of Historic Places, National Park Service, Washington, D.C., Panelist

Laura J. Feller, National Park Service, History Division, Washington, D.C., Panelist

5:30 - 6:30 p.m. - ANNUAL MEETING AND ELECTION

6:30 - 8:00 p.m. - RECEPTION - Carpenters' Hall, 320 Chestnut Street, Philadelphia, and Independence National Historical Park Architectural Study Collection Tour, First Bank of the United States

Friday, September 25

8:00 a.m. - 5:30 p.m. - Conference Registration

8:30 a.m. - 5:30 p.m. - EXHIBITS/BOOKSTORE/POSTER EXHIBITS

8:30 - 10:00 a.m. - PLENARY SESSION - PRESERVATION AROUND THE WORLD: AN INTERNATIONAL SAMPLER Lliam O'Hanlon, Ove Arup and Partners, New York, New York, Session Chair

> THE SMEATON PROJECT: ICCROM/ENGLISH HERITAGE COLLABORATIVE RESEARCH PROGRAM ON MORTARS FOR HISTORIC BUILDINGS. Jeanne Marie Teutonico, Rome

10:00 - 10:30 a.m. - Refreshment Break

10:30 a.m. - 12:00 noon - Plenary Session - International Sampler continued WORLD HERITAGE: MORE THAN MEETS THE EYE. Lori Anglin, Cultural Management Consultants, Potts Point, Australia

> JUSTINIAN HAGIA SOPHIA: INTERPRETING THE STRUCTURE OF ANCIENT LARGE SCALE DOMES. Robert Mark, Professor, School of Architecture, Princeton University, Princeton, New Jersey

12:00 noon - 1:30 p.m. - Affinity Lunches, John Milner Roast

1:30 - 3:00 p.m. - CONCURRENT SESSIONS

BUILDING TYPES II INTRODUCTION TO MOISTURE AND THERMAL MOVEMENT PROBLEMS IN Domes Domes. Baird Smith, AIA, Quinn Evans/Architects, Washington, D.C. Session Chair

> ANALYSIS OF MOISTURE PROBLEMS OF THE CATHEDRAL OF THE ASSUMPTION, LOUISVILLE, Kentucky. W. Brown Morton III, Department of Historic Preservation, Mary Washington College, Fredericksburg, Virginia MOISTURE MONITORING WITHIN THE DOME OF THE STATE CAPITOL BUILDING, HARRISBURG, PENNNSYLVANIA, AND PROPOSED REPAIRS. Dr. George Skarmeas, RA, Vitetta Group, Camden, New Jersey

WOODEN DOME TECHNOLOGY: EARLY 19TH CENTURY EXAMPLES IN PHILADLPHIA. Doug Harnsberger, AIA

Historic Structure Reports

PRESERVATION IN PRACTICE I THE HISTORIC STRUCTURE REPORT AS A PROJECT GUIDE. Lynne Spencer, L.Y. Mawn Company, Braintree, Masssachusettes

(continued) THE OCTAGON HOUSE ROOF. John G. Waite, Mesick Cohen Waite Architects, Albany, New York

> ONE SIZE FITS ALL?: THE HISTORIC STRUCTURE REPORT. Mary B. Dierickx, Architectural Preservation Consultants, New York, New York

PROFESSIONALS IN PRACTICE I Frank Matero, University of Pennsylvania, Graduate Program in Role of the Architectural Historic Preservation, Philadelphia, Pennsylvannia, Session Chair

Conservator The Role of Fine Arts and Architectural Conservators Within PRESERVATION PROJECTS. Constance S. Silver, Preservar Inc., New York, New York

> A NEW APPARATUS FOR WATER VAPOR TRANSMISSION RATE TESTING. Lorraine Schnabel, Architectural Conservator, Trenton, New Jersey

3:30 - 5:30 p.m. - CONCURRENT SESSIONS

BUILDING TYPES II TWO DOMES: MICHIGAN STATE CAPITOL AND THE FIRST CHURCH OF CHRIST Domes (continued) SCIENTIST, BOSTON. David Evans, AIA, Quinn Evans/Architects, Ann Arbor, Michigan

> EXECUTION OF DOME REPAIRS: MICHIGAN STATE CAPITOL. Ronald Staley, Christman Construction Services, Lansing, Michigan

RECONSTRUCTION OF THE WESTMORELAND COUNTY COURTHOUSE, PENNSYLVANIA, DOME IN A SUBSTITUTE MATERIAL. Harry Hunderman, AIA, Wiss, Janney, Elstner Associates, Chicago Illinois

PRESERVATION IN PRACTICE I

CONCLUDING PANEL, INCLUDING ALL PRESENTERS. Deborah Slaton, Historic Structure Reports Wiss, Janney, Elstner Associates, Chicago, Illinois and Neale Quenzel, John Milner Associates, Philadelphia, Pennsylvannia, Moderators (continued) Organized by the co-chairs of the ASTM E6.24.04, Historic Structure Report Task Group, this panel featuring the speakers in the HSR session track will examine current HSR issues as well as the ASTM HSR Guide in progress. The ASTM Guide will offer guidance and suggestions to increase awareness of the user concerning avialable techniques in preparation, applicaton, and use of HSRs.

PROFESSIONALS IN PRACTICE II Education and Certification

PRESERVATION TECHNOLOGY IN PROFESSIONAL EDUCATION. David Woodcock, College of Architecture, Texas A&M University, College Station, Texas, Session Chair

DON'T MOURN: ORGANIZE SLIDE PRESENTATION ON THE NECESSITY FOR AN ORGANIZATION FOR PROFESSIONAL PRESERVATIONISTS. Mary B. Dierickx, Architectural Preservation Consultants, New York, New York

THE CONSERVATION CHARTER FOR INTERVENTIONS ON CANADIAN BUILDINGS IN FEDERAL OWNERSHIP. Herb Stovel, Institute for Heritage Education, Montréal, Québec

6:30 - 8:30 p.m. - RECEPTION - Physick House, Powel House, BishopWhite House

Saturday, September 26

8:00 a.m. - 12 noon - CONFERENCE REGISTRATION

8:30 a.m. - 5:30 p.m. - EXHIBITS/BOOKSTORE/POSTER EXHIBITS

8:30 - 10:00 a.m. - CONCURRENT SESSIONS

CASE STUDIES David Kemnitzer, Einhorn, Yaffee, Prescott, Washington, D.C., Session Chair

> RESTORATION OF THE ROOKERY. Gunny T. Harboe, AIA, McClier, Chicago, Illinios

A PROGRAM FOR MONITORING AND EVALUATING ENVIRONMENTAL CONDITIONS AT MOUNT VERNON, THE HOME OF GEORGE WASHINGTON. Clay S. Palazzo, Mesick Cohen Waite Architects, Albany, New York

PRESERVATION IN PRACTICE II FUTURE PAST: HISTORIC PRESERVATION IN THE YEAR 2000. Computers Barrett Kennedy, Ph.D. Louisiana State University, School of Architecture, Baton Rouge, Louisiana, Session Chair

> THREE DIMENSIONAL COMPUTER PRESENTATIONS OF HISTORIC BUILDINGS. Edward A. Johnson, The Center for Historic Preservation, Murfreesboro, Tennessee

VISUALIZATION AS A TOOL IN PRESERVATION OF HISTORIC LANDSCAPES. Nancy J. Volkman and Edward Cunnius, Texas A&M Unviersity, College of Architecture, College Station, Texas

PROFESSIONALS IN PRACTICE III ROUNDTABLE DISCUSSION Craftsmen/Technicians/

Frank Sanchis, AIA, Vice-President, Stewardship, National Trust for Historic Preservation, Washington, D.C., Moderator Contractors A continuation of the CTC Roundtables of the past few years, this discussion will focus on the results of the Preservation Craftsmanship Training Survey. The National Trust, APT, and Historic Windsor, Inc. (Vermont) have joined in this effort to gather information pertaining to preservation craftsmanship in Canada and the United States.

10:00 - 10:30 a.m. - Refreshment Break

10:30 a.m. - 12:00 noon - CONCURRENT SESSIONS

CASE STUDIES (continued) Structural Documentation of Historic Buildings Using Destructive AND NON-DESTRUCTIVE METHODS. Marie Ennis, PE, Robert Silman Associates, New York, New York

> UNRAVELLING HISTORY: THE INVESTIGATION OF THE GREAT CEILING, DRAYTON HALL, SOUTH CAROLINA. Robert G. Fitzgerald, Frank G. Matero, Maria Isabel G. Beas and Joel C. Snodgrass, University of Pennsylvania, Philadelphia, Pennsylvania

Computers (continued)

PRESERVATION IN PRACTICE II CAN COMPUTER TECHNOLOGY ADVANCE PRESERVATION TECHNOLOGY? Michael J. Mills, AIA, Short & Ford and Partners Architects, Princeton, New Jersey

> ALTERNATE TECHNOLOGIES: CAD IN THE PRESERVATION OFFICE. Lawrence Kavanaugh, Ontario Heritage Foundation, Toronto, Ontario RESERVE PERSPECTIVE ANALYSIS: AN ALTERNATIVE METHOD FOR RECORDING BUILDINGS. Mark B. Brooks, The College of Architecture, Texas A&M University, College Station, Texas

PROFESSIONALS IN PRACTICE III ROUNDTABLE DISCUSSION continued

Craftsmen/Technicians/ Contractors (continued)

12:00 noon - 1:30 p.m. - Lunch Break

Technology

Standards in Preservation Stephen J. Kelley, PE, AIA, Wiss, Janney, Elstner Associates, Chicago, Illinois, Session Chair

> The American Society for Testing Materials (ASTM) is an organization of professionals from different disciplines who develop standards. Subcommittee E6.24, Building Preservation and Rehabilitation Technology, includes task groups on issues of interest to APT members, such as facade cleaning, building repair, and investigative techniques. This session will provide a forum to discuss the appropriateness of standards in preservation and highlight work in progress by the task groups.

PRESERVATION IN PRACTICE II Specifying for

Preservation

Craig K. Haney, CCS, FCSI, IntroSpec, Dallas, Texas Mr Haney is Chair of the Specifications Subcommittee for the Construction Specifications Institute (CSI). He will lead a discussion on the CSI principles of specifying and will present the SPECTEXT computerized database of master guide specifications. CSI is also soliciting input from APT members on the special needs of specifying for preservation and restoration projects.

A New Appreciation for the Bits and Pieces

Architectural Fragments: Colonial Williamsburg's Architectural Fragments: The Forgotten COLLECTION. Roberta Ried, Colonial Williamsburg Foundation, Williamsburg, Virginia, Session Chair

> REHOUSING FISKE KIMBALL'S ARCHITECTURAL FRAGMENTS AT THE PHILADELPHIA MUSEUM OF ART. Marigene H. Butler, Philadelphia Museum of Art, Philadelphia, Pennsylvania

ARCHITECTURAL FRAGMENTS: AN ARCHÆOLOGICAL PERSPECTIVE. Douglas Sanford, Mary Washington College, Fredericksburg, Virginia

UTILIZATION OF ARCHITECTURAL FRAGMENTS FOR MONTICELLO'S ROOF RESTORATION. M. Jeffrey Baker, Mesick Cohen Waite Architects, Albany, New York

SESSION CONCLUSION - Thomas H. Taylor, Jr., PhD, Colonial Williamsburg Foundation, Williamsburg, Virginia

3:00 - 3:30 p.m. - Refreshment Break

3:30 - 5:30 p.m. - PLENARY SESSION - APT COMMITTEE REPORTS, PEOPLE'S CHOICE AWARDS, SESSION SUMMARIES

7:30 - 10:00 p.m. - President's Ball and Investiture of College of FELLOWS, THE CURTIS CENTER

INTRODUCTORY WALKING Beginning at the front door of the conference hotel, this walk-TOUR, SOCIETY HILL STROLL ing tour will allow participants the opportunity to experience Philadelphia, Pennsylvania Philadelphia's Society Hill and its eighteenth and nineteenth Wednesday, September 23 century homes and churches. Sponsored and guided by the 2:00 - 5:00 p.m. Foundation for Architecture, the tour will follow Philadelphia's \$5.50 US \$6.00 Cdn architectural development as it expanded westward, tracing its evolution from Georgian to Federal to Greek Revival.

Wednesday, September 23

FONTHILL AND MORAVIAN Henry Chapman Mercer (1856-1930), a leader of the Arts and POTTERY AND TILE WORKS Crafts movement, noted archæologist and antiquarian, pioneer Doylestown, Pennsylvania in ceramics and an artist and writer of note, built Fonthill to exhibit his collection of tiles and prints from around the world. 8:00 a.m. - 3:00 p.m. Fonthill, an unusual concrete edifice, towers over the Bucks \$25.00 US \$29.00 Cdn County countryside with the grandeur of a medieval castle. The Moravian Pottery and Tile Works, established by Henry Mercer in 1910, is located adjacent to Fonthill. This National Historic Landmark is a working history museum where ceramicists make tiles in the same manner as those made by Mercer. APT's tour will include both facilities. Bus transportation and a box lunch will be provided.

Samuel Yellin Metalworks Co. Has been designing, forging, and Philadelphia, Pennsylvania fabricating custom decorative and architectural metalwork since Thursday, September 24 1909. Under the leadership of the second and third generations 12:30 - 4:00 p.m. of the Yellin family, the shop continues to produce items such as \$20.00 US \$23.00 Cdn gates, grilles, light fixtures, railings, and staircases. Tour participants will see current projects in the shop and the extensive collection of historic metalwork. Bus transportation is provided.

THE GLENCAIRN MUSEUM, Pittsburgh Plate Glass heir Raymond Pitcairn organized an ACADEMY OF THE NEW CHURCH unusual twentieth century revival of the guild tradition to AND THE BRYN ATHYN CATHEDRAL construct the spectacular Gothic and Romanesque Bryn Athyn Bryn Athyn, Pennsylvania Cathedral and his own nearby home, Glencairn. Despite having Thursday, September 24 no formal training in architecture, Pitcairn supervised the wide 12:30 - 6:30 p.m. variety of on-site workshops that built both buildings. After a \$20.00 US \$23.00 Cdn tour of the Cathedral and mansion, the master stone mason who has supervised the construction and restoration of the Cathedral for over a guarter-century will demonstrate stonecutting techniques. Barry Schnoll of John Milner and Associates, West Chester, Pennsylvania, will lead the tour.

Friday, September 25

PENNSYLVANIA ACADEMY Founded in 1805, the Pennsylvania Academy of Fine Arts is the OF FINE ARTS oldest existing art museum and school of the fine arts in the Philadelphia, Pennsylvania nation. The Academy's founders included artists Charles Wilson Peale and his son Rembrandt, and sculptor William Rush. The 9:00 a.m. - 12:30 noon building, which opened in 1876, was designed by Furness and \$18.00 US \$21.00 Cdn Hewitt, and is known as Philadelphia's finest example of High Victorian Gothic architecture. After a guided tour, participants will be given ample time to peruse the exhibits, including "Facing the Past: 19th Century Portraits from the Collections of the Pennsylvania Academy of the Fine Arts" and "Eakins: The Teacher and Masterworks of American Art: 1750-1950."

PHILADELPHIA CITY HALL Sponsored by the Foundation for Architecture, this specially Philadelphia, Pennsylvania designed tour will provide a behind-the-scenes look at restora-Friday, September 25 tion of the tower and statue of Philadelphia City Hall. City Hall $1:0\hat{0}-5:30 \ p.m.$ is the finest example of French Second Empire architectural \$15.00 US \$18.00 Cdn style in the United States. Begun in 1986 and completed in 1991, the \$25 million restoration project was restricted to the top 250 feet of the building's tower, which is a wrought iron frame structure originally covered with 4,000 cast iron plates. The project also included the conservation of the 37 foot bronze statue of William Penn at the top of the tower, the largest piece of sculpture to adorn a building in the United States. The tour will be guided by one of the restoration architects. Bus transportation will be provided.

INDEPENDENCE HALL: Built as the Pennsylvania State House, Independence Hall is BEHIND THE SCENES the birthplace of the U.S.A., where the Declaration of Philadelphia, Pennsylvania Independence was adopted and where the United States Friday, September 25 Constitution was written. The main building was constructed in 9:30 a.m. - 12:00 noon 1733, and the tower was added in 1750. One of the most revered \$15.00 US \$18.00 Cdn historic sites in the National Park Service, it has undergone several restoration programs, culminating in a detailed restoration conducted by the National Park Service and finished in 1972. A fine example of Early Georgian architecture, the building is constructed of brick laid in Flemish bond with soapstone trim. The wooden steeple of the tower was designed by William Strickland in 1828, and represents one of the earliest historic preservation projects in the nation. This tour is a rare opportunity to visit this tower with the historical architect who oversees this World Heritage Site.

STAINED GLASS This tour will visit four historic churches in Center City, explor-Philadelphia, Pennsylvania ing the development of nineteenth and early twentieth century Saturday, September 26 stained glass windows through the work of English, Belgian, 8:30 a.m. - 12:00 noon French, German and American glass studios. Work of Louis C. \$15.00 US \$18.00 Cdn Tiffany, Heinigke & Bowen, William Willet and little-studied nineteenth century Philadelphia studios will be included. The tour will be led by Jean Farnsworth, assistant director, The Census of Stained Glass Windows in America, who is currently conducting a survey of Philadelphia's stained glass windows for the Philadelphia Historic Preservation Corporation. Bus transportation will be provided to First Presbyterian Church, with the remainder being a walking tour.

Philadelphia, Pennsylvania Saturday, September 26 \$15.00 US \$18.00 Cdn

EASTERN STATE PENITENTIARY Eastern State Penitentiary (1822-36) was designed from plans by architect John Haviland to embody a radically new theory of prison reform. Designed to house prisoners in complete solitary 8:00 a.m. - 12:30 p.m. confinement, the Haviland plan included seven cell blocks radiating from a central rotunda. Each cell block contained individual cells with adjacent solitary exercise yards for prisoners to live and work. This Gothic fortress is surrounded by a 30 foot stone wall. Listed as a National Historic Landmark in 1966, Eastern State Penitentiary remains internationally significant, as its plan influenced some 500 prisons throughout the world. Following the Haviland plan, Eastern State Penitentiary experienced several building phases until its final closing in 1970. The tour will illustrate the deterioration caused by 20 years of vacancy

PECIAL EVENTS

OPENING RECEPTION, The Athenæum of Philadelphia is an independent research library THE ATHENÆUM with museum collections founded in 1814. The institution concen-Wednesday, September 23 trates on nineteenth and early twentieth century social and cultural 6:00 - 8:00 p.m. history, particularly architecture and interior design where the \$25.00 US \$29.00 Cdn collections are nationally significant. The building was designed in 1845 by John Notman (1810-65) following a celebrated architectural competition. Notman's Athenæum gave America its first urban structure in the soon to be popular Italianate Revival Style, and one of the earliest in Philadelphia to be constructed of brownstone. Declared a National Historic Landmark in 1977, The Athenæum is considered one of the most significant American structures of the nineteenth century.

AND INDEPENDENCE NHP

RECEPTION, CARPENTERS' HALL Carpenters' Hall was built by the Carpenters' Company of the City and County of Philadelphia in 1772–74 as a meeting hall, ARCHITECTURAL STUDY to display the carpentry skills of the members. The hall was the COLLECTION TOUR meeting place of the First Continental Congress in 1774. It is Thursday, September 24 open to the public and maintained by the Carpenters' Company 6:30 - 8:00 p.m. today. It is a masterpiece of Georgian architectural design. The \$20.00 US \$23.00 Cdn architectural study collection at the nearby First Bank of the United States contains hundreds of fragments of eighteenth century buildings from the Delaware Valley, assembled to train National Park Service historical architects during the development of Independence NHP. Highlights of the collection are on display in two rooms and the remainder of the collection is available for viewing in two additional rooms, of open storage. As part of the reception, tours will be given by Park historical architects.

Friday, September 25 12:00 noon - 1:30 p.m. \$25.00 US \$29.00 Cdn (FRIEND)

\$45.00 US \$52.00 Cdn (ROASTER)

\$95.00 US \$109.00 Cdn (HEAD TABLE)

JOHN MILNER ROAST, This Luncheon will feature a celebrity roast of John Milner of CITY TAVERN Chadds Ford, Pennsylvania. The purpose of this event is to raise scholarship money for the Fund for APT and to have some fun doing it. The organizers are particularly interested in contacting all individuals who have worked with Mr. Milner or for any of his firms - John Milner Architect, John Milner and Associates, and National Heritage Corporation — but all are welcome to join the fun. Participants can sign up as Friend (observe), Roaster (participate in the Roast), or Head Table (participate in the Roast and join Mr. Milner at the head table), on the registration form.

Affinity Group Lunches, Tables will be provided for affinity groups including ASTM, CSI, CITY TAVERN Craftsman Training Coalition, Publication Editors, ICCROM Friday, September 25 alumni, and others upon request. This luncheon provides an oppor-12:00 noon - 1:30 p.m. tunity for members of these APT affiliates to meet informally and \$18.00 US \$21.00 Cdn share a great lunch in a reconstructed historic setting.

> City Tavern is a working restaurant in a reconstruction of the famous Revolutionary War tavern where delegates to the First and Second Continental Congresses gathered. Just a couple of blocks from the conference hotel, City Tavern is located in the National Historical Park. The John Milner Roast and Affinity Group lunches will be located in separate facilities within the City Tavern.

RECEPTION, PHYSICK HOUSE, The Physick house, was built in 1786 by Henry Hill, an POWEL HOUSE AND importer of Madeira wine. The square, 4-story, brick house is BISHOP WHITE HOUSE the only free-standing Federal townhouse remaining in Society Friday, September 25 Hill. Dr. Philip Syng Physick, "the father of modern surgery," 6:30 - 8:30 p.m. took up residence in 1815. The Powel House is an elegant, \$15.00 US \$18.00 Cdn Georgian, brick house built in 1765 and purchased by Samuel Powel, first mayor of Philadelphia, 1769. The house presents the three bay, side-passage plan typical of fine Philadelphia townhouses of the period. The Bishop White House (1786–87), with its fascinating historic cellars, will be open for small group tours throughout the reception. It was the home of the first bishop of the Episcopal Diocese of Pennsylvania. All are within walking distance of the conference hotel.

ANNUAL PRESIDENT'S BALL, Located on Independence Square, The Curtis Center was built in THE CURTIS CENTER stages by Cyrus Curtis between 1909 and 1921, and was heralded as Saturday, September 26 an architectural and engineering achievement. The building origi-7:30 - 10:00 p.m. nally served as the headquarters for The Curtis Publishing \$48.00 US \$55.00 Cdn Company, publisher of such American institutions as the Saturday Evening Post, Ladies' Home Journal and Holiday magazines. A \$100 million certified rehabilitation in 1984 focused on the dramatic conversion of the open courtyard, site of the ball. The breathtaking 12-story atrium with a vaulted glass roof features one half acre of Italian marble in a striking pattern of seven colors with an elegant sculpted fountain as the centerpiece. The lobby features a Tiffany Mosaic entitled the "Dream Garden" (1916), designed after an original painting by Maxfield Parrish.

Wednesday, September 23 - Saturday, September 26

EXHIBIT The following exhibitors will be on hand to provide the opportunity for conference participants to see firsthand a variety of quality products and special services available for restoration and rehabilitation projects: Birdmaster, Thermo-Press, Thomann-Hanry, Inc., Cathedral Stone Products and ProSoCo, and Historical Arts and Casting.

Wednesday, September 23

POSTER EXHIBIT APT conference organizers are pleased to announce the addition of a poster exhibit to the 1992 APT conference. Posters - Saturday, September 26 may present completed or proposed projects, research, documentation or any other project related to APT's mission. Advertisements for products and services are prohibited. Posters may be up to 30" x 40" in size, two-dimensional graphic material such as photos, drawings, and color samples mounted on foam core board. No three-dimensional models will be accepted. Posters will be prominently displayed throughout the conference. All participants will have the opportunity to vote for People's Choice Awards for posters in various categories, with the awards being announced at the final plenary session on Saturday afternoon. Entrants are responsible for all shipping and related costs. Those interested in participating should indicate their intent on the conference registration form.

Saturday, September 26

BOOK STORE Preservation and technology publications from various sources Wednesday, September 23 including APT, will be available throughout the conference.

and neglect, and will discuss the efforts to stablize the building and to find an appropriate self supporting re-use for this important historic site. Bus transportation will be provided.

Saturday, September 26 8:00 a.m. - 12:30 p.m. \$15.00 US \$18.00 Cdn

University of Pennsylvania The Architectural Conservation Laboratory of the Graduate CONSERVATION LABS AND Program in Historic Preservation is devoted to advanced FURNESS LIBRARY training and research in the conservation of the built Philadelphia, Pennsylvania environment. This technical facility, the only university laboratory of its type in the United States designed specifically for teaching and research in architectural conservation, provides a unique intellectual environment within the Graduate School of Fine Arts. The tour will also visit the recently restored National Historic Landmark, Furness Library. The New York Times says of the Furness masterpiece, "It is precisely the kind of building that everyone used to hate, and that it is now nearly impossible not to love: a Victorian monster, its deep, flaming rust brick and terra-cotta arches and gables and towers and crenellations and dormers piled into a mass that is at once hysterical and serene." The University of Pennsylvania is pleased to offer a guided tour of both of these facilities. Bus transportation will be provided.

MERCHANTS' EXCHANGE The Merchants' Exchange Building has been the site of exten-BUILDING, sive microclimate pollution and stone decay monitoring studies ACID RAIN STUDIES TOUR by the National Park Service since 1986. Designed by William AND ROUNDTABLE Strickland and built in 1832-33, the building is a masterpiece of Philadelphia, Pennsylvania Greek Revival architecture, constructed of Pennsylvania and Saturday, September 26 Carrara marbles. APT's walking tour will focus on the building 9:30 a.m. - 2:30 p.m exterior monitoring, followed by a roundtable discussion of \$20.00 US \$23.00 Cdn marble preservation options. A box lunch will be provided. Each tour participant will receive a background notebook describing results of the microclimate pollution and stone decay monitoring.

ENERAL INFORMATION

CONFERENCE LOCATION The 1992 APT annual conference will be held at the Sheraton Society Hill, One Dock Street, Philadelphia, Pennsylvania. Just around the corner from Independence National Historical Park and only blocks from City Center, the Sheraton is uniquely suited to meet the needs of conference participants. All sessions will be held in Sheraton meeting facilities, and all tours will originate from its front door. Philadelphia is proud to host the 1992 APT conference. The city was founded in 1682 by William Penn, an English Quaker. King Charles II granted Penn a parcel of land in the New World as payment for a debt the Crown owed Penn's father. The city grew rapidly, becoming the second largest English-speaking city in the world just before the American Revolution. Philadelphia was then the Revolutionary War capital, except for nine months of British occupation. The First Continental Congress met at Carpenters' Hall in 1774. Independence was declared at the Second State House, later renamed Independence Hall, in 1776. In 1786, from May 25 through September 17, the Constitutional Convention was held at Independence Hall, Philadelphia served as the fledgling nation's capital until 1800. Philadelphia is the second largest city on the East Coast and fifth largest in the country. City population is estimated at 1.68 million. The metropolitan population is about 5.78 million.

REGISTRATION FEES Registration for each training course is \$395.00 US \$450.00 Cdn. This fee includes course materials, handbook, transportation for applicable tours, refreshment breaks and the Training Course opening reception. The conference registration fee for APT members is \$225.00 US \$260.00 Cdn and includes admittance to all sessions, session materials and refreshment breaks. The non-member fee is \$265.00 US \$300.00 Cdn and includes session admittance, materials and refreshment breaks, plus a complimentary one-year associate membership and annual subscription to the APT Communique. The student fee is \$90.00 US \$100.00 Cdn. Registering students must submit a photocopy of their student ID's or other verification of student status. Registrations received after September 8 are subject to higher fees.

> TRAVEL By Air – USAir has been designated as the official carrier for the conference. Travel is valid on USAir between September 18-28, 1992. To obtain the most current flight and fare information and to make a reservation, call the USAir Meeting and Convention Reservation Office at (800) 334-8644, 8:00 a.m. - 9:00 p.m., Eastern Time. Refer to Gold File #79520130. Once at the airport, Philadelphia Airport Shuttles will be available to transport APT participants to the conference hotel. The cost is approximately \$6.00 one way, and the ride takes about 20 minutes. Taxi and rental cars are also available.

By Train - Philadelphia is also served by Amtrak, (215) 824-1600, which operates rail service along the Northeast Corridor stretching from Boston to Washington; Atlantic City to Harrisburg; New Haven, Connecticut to Springfield, Massachusettes. Visitors have access to the many intercity trains that operate over the corridor, including the full schedule of high-speed Metroliners running between New York and Washington. Intercity service is also provided to many points south and west, as well as to Montreal. Amtrak's 30th Street Station is only minutes from the Sheraton Society Hill.

By Car – Philadelphia is serviced by the Pennsylvania Turnpike, I-76, I-95 and the New Jersey Turnpike.

CANCELLATION POLICY

A fee of 10% will be withheld for any cancellation received prior to September 8, 1992. A fee of 50% plus one half the cost of tickets for specific events will be withheld for any cancellation received between September 9-21, 1992. No refunds will be made for cancellations received after September 21, 1992. Pre-conference training courses, tours and events are subject to cancellation should the required enrollment fail to be met. Inthis case, a full refund will be given to registered participants. All refunds will be mailed after the conference.

WEATHER/DRESS Temperatures in Philadalephia in September vary from an average low of 60° Farenheit to highs around 80° Farenheit. September can be a rainy month, so conference participants should come prepared for inclement weather. Business attire is appropriate for all conference sessions. Semi-formal attire is requested for the President's Ball. It is essential that tour participants wear comfortable walking shoes.

PHILADELPHIA TOURIST To find out what is happening in Philadelphia, call the Donnelley Directory Events Hotline, an automatic 24-hour events schedule at (215) 337-7777 (ext. 2540). For complete visitors information call (215) 636-1666.

CONFERENCE BROCHURES If you receive a duplicate copy of the conference brochure, please pass it along to an interested associate.

FOR MORE INFORMATION

Questions about the program should be addressed to the APT office at (703) 373-1621/1622. All other questions can be addressed to Rick Watson, conference registrar at (812) 855-9824 or Heidi Hauan, meeting planner, (812) 855-6451.

