

EXTREME IMPACTS measured response

APT International Annual Conference

September 10 to 15, 2002 Toronto, Canada



CONFERENCE

September 13 and 14

Extreme Impacts: Measured Response

advanced planning, rapid response, effective results

Fairmont Royal York Hotel



Bay Street, Toronto, Canada

1902



Bay Street, Toronto, Canada

1904

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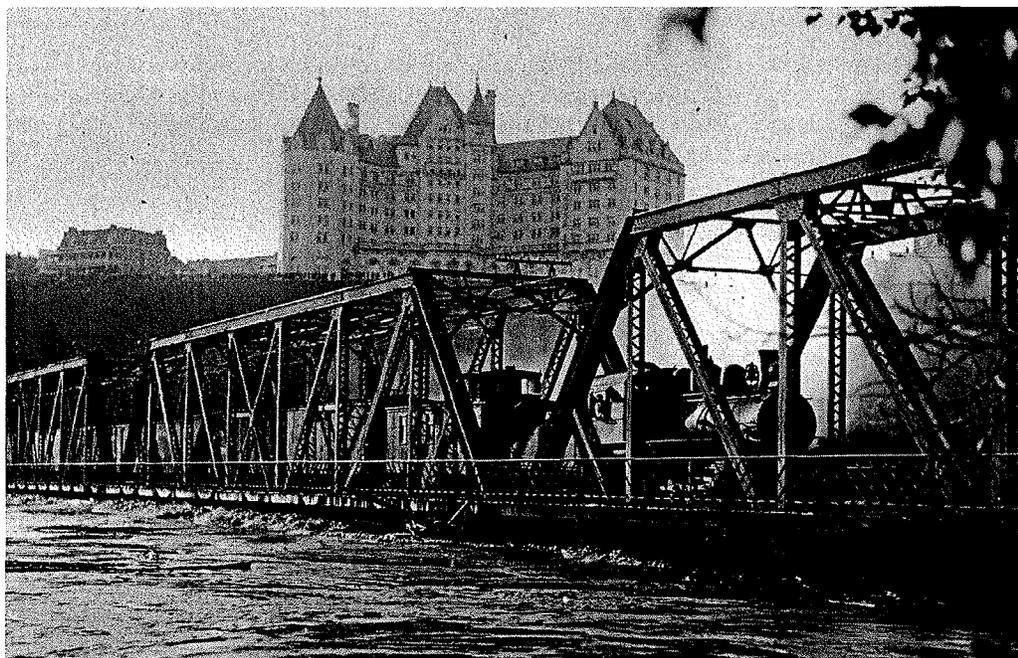
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The Conference Organizing Committee welcomes you to Toronto a place of people and ideas.

Late afternoon, my bike takes me across the city.
I wonder how we fashion our lives, these brilliant disorders,
These fine inspired errors
When – look –
The future is utterly implicit in the present.
The present if the logical outcome
Of all the points in the past
And thus that building going up across the street
has been going up forever.
Everything we do now contains the seeds of its own unfolding
The bridge eases over the deep ravine;
Something tells me;
“You will never do anything more vital, more profound,
more perfect or necessary
than you are doing right now.”
Today has been Friday
That was its name – Friday – and
The sunlight at Sherburne and Bloor
completes the city.

G. MacE.



Edmonton, Alberta; June-July, 1915
(CP Photo)
National Archives of Canada
PA-117997

WELCOME FROM THE APTI PRESIDENT

Dear APT members and friends,

What a challenging year! Welcome to Toronto for APT's 35th consecutive Annual Meeting and Conference. Let us gather to share, heal and celebrate.

Planning for the APT 2002 Conference theme—Extreme Impact: Measured Response—had begun well before the events in New York and Washington on September 11th of last year. This meeting is nonetheless apropos of those horrifying events. The historic bridge in Mostar, Bosnia and the monumental Buddhist rock sculptures at Bamiyan, Afghanistan are two additional examples of world heritage sites brutally attacked for their symbolic connections. But, while terrorism and war are among the most serious threats to our built heritage that spring to mind in these times, other threats remain. The full spectrum of papers offered at the 2002 APT Conference address additional timely and age-old threats to our built environment, including fire, earthquake, flood, neglect and development.

This year, conference tracks are built around four broad themes, "Time and Place", "Human Influences", "Natural Influences" and "Materials and Technology." This is a truly international Conference, with speakers presenting papers on projects, technologies and issues from around the world, including the Middle East, Hungary, Nepal, Italy, Germany, Russia and Bosnia, along with the United States and Canada. These speakers will share examples of rational, measured responses to heritage threats as well as various ways to avoid problems, protect our cultural resources and minimize those impacts.

As preservationists we understand the value of our cultural heritage, and recognize its power to inform and to inspire as well as its inherent fragility. We are frequently the front-line advocates for our cultural artefacts, as we are engaged in the struggle to identify, preserve and protect them. We are among their greatest assets and advocates as we are their recorders, builders, planners, restorers and their storytellers!

I would like to thank the members of the Toronto 2002 Organizing Committee who have planned an intensely provocative conference and deserve many accolades for their creative spirit and hours of hard work in planning this year's conference. It is through the expertise and commitment of our members that we continue to offer excellence and innovation in the field of heritage conservation and technology. My deepest thanks and congratulations to all of you.

It is my great honor to serve as APT President for the past year and as president, I personally invite you to lunch on Friday, September 14, to assist in setting APT's agenda for the next five years. Your Board of Directors is firmly committed to the notion that APT members must be involved in guiding and setting our priorities, and this is but one way of soliciting your valuable input.

I hope you enjoy your time in Toronto! I look forward to seeing you around the Conference and at the concluding Gala Banquet as we all relax, celebrate and laugh together!



Kent Diebolt
President APT International

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EDUCATION AND TRAINING

Jane Burgess
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Conserving Stone Monuments and Tombstones

Tamara Anson-Cartwright
Ministry of Culture

Stained Glass Window Conservation

Craig Sims
Heritage Consultant

Rosanne Dubé
Architects, Historic Conservation Program,
Public Works and Government Canada

Scaffolding for Historic Preservation Projects

Peter Berton
Partner, The Ventin Group Architects

Wilfred Ferwerda
The Ventin Group, Architects

ICOMOS Symposium-International Responses to Fire: Prevention and Retrofit

Richard Unterman
Unterman McPhail Associates

SPECIAL PROJECT

Toronto Modern Architecture 1945-1965

Mark Fram
Michael McClelland

APT CONFERENCE SPONSORS

APT greatly appreciates the support and contributions of our APT International Conference Sponsors.



TORONTO – THE CITY

Set on the north shore of Lake Ontario, Toronto was created on March 6, 1834, when the settlement of York was renamed Toronto a word which encompasses the idea of a meeting place of all of the cultures of the Great Lakes at that time. The British settlement of York was founded as the capital of the new province of Upper Canada by Lieutenant Governor John Graves Simcoe in the 1790s and had grown to 10,000 people by the 1830s. Toronto is still the capital of the province, now called Ontario, and is the largest city in Canada, with a population of 2.4 million, 4.7 million in the Greater Toronto Area.

One of the most multicultural cities in the world, Toronto is home to more than 80 ethnic groups and more than 100 languages, and is marked by the diversity of distinct neighbourhoods, cultures and communities.

CONFERENCE HOTEL THE FAIRMONT ROYAL YORK HOTEL

Recently renovated, this elegant hotel is a gracious host to Toronto's vibrant culture. Toronto's Film Festival is underway as the APT 2002 Conference begins. Toronto lends its fascination as the most diversely multi-cultural city in the world with an international cuisine in an endless array of great restaurants.

The Fairmont Royal York is located in the heart of the city directly across the street from Union Station at the foot of Toronto's financial district. It is easily accessible, friendly and mere blocks away from major attractions including the theatre districts. The hotel has direct indoor access to the subway and Toronto's famous underground path system.

The significance of the railway in the development of Canada is evident in the prominence of railway hotels in major Canadian cities. The Royal York is among the most eminent of these landmarks. Constructed by the Canadian Pacific Railway to give it a commanding presence in one of the nation's major hotel markets.

Torontonians were awed by the scale and sumptuousness of the Royal York when it opened in 1929. Its steel frame soared 28 stories, and exterior walls were clad entirely in Indiana limestone. Geometric shapes, stylised ornament, and pyramidal massing formed a stately structure. Its architectural style has been described as skyscraper-cum-chateau. Its steeply pitched roof is a landmark feature for Canadian hotels from Victoria to Quebec City. With over a thousand rooms, it was the largest hotel in the British Commonwealth. Public spaces such as the lobby, ballroom and Concert Hall were generous in proportion and sumptuous in décor. Artists were commissioned to paint interior murals, many with historical themes inspired by the cultural nationalism of 1920s Canada.

The Royal York has played a conspicuous role in the life of the city since the day it opened its doors. It has accommodated countless social events, hosted royalty and political leaders from around the world, and featured big-name entertainers in its famous nightspot, the Imperial Room. More than just a place to stay, the Royal York has evolved into a local cultural institution. It is hard to imagine downtown Toronto without it.

CONFERENCE THEMES AND PROGRAM HIGHLIGHTS

Extreme impacts to heritage places include the effects of natural and cultural disasters such as earthquakes, fire, weather and war. The conference theme focuses on how to plan for, how to respond to, and how to mitigate the effects of extremely serious impacts to places of archaeological, historical, architectural and cultural significance. The speakers will explore how we can prepare ourselves, develop strategies, assemble teams, carry out plans, monitor effects and learn from the results.

More than seventy papers will be presented in a two-day period. The papers represent a broad and international response to preservation issues, and while there is great diversity in the papers they have been grouped under four general themes.

Theme A: Time and Place: Exploring the challenges of conservation in unique locations. Topics include protecting burial mounds in Bahrain, studying endangered courthouses in Texas, and preserving the Sassi of Matera.

Theme B: Human Influence: Understanding the need for planning initiatives. Topics include a measured response to urban renewal, post disaster analysis, structural triage for historic buildings, and the preservation response to the Three Gorges Dam project in China.

Theme C: Natural Influence: Responding to issues of both long-term weathering or dramatic disasters. Topics include seismic strengthening of Pagodas in Nepal, flash floods in the Valley of the Kings, and fire remediation to the Old Capitol Building in Iowa.

Theme D: Materials and Technology: Addressing significant deterioration of materials and advances in monitoring techniques. Topics include the misconceptions of protective glazing, spatial modelling at the Parthenon, and mitigating the impact of unsympathetic repairs in three New York case studies.

This framework of themes serves as a guide to plan your selection.

Theme Facilitors are:

- A Time and Place: Peter Carruthers
- B Human Influence: Jill Taylor
- C Natural Influence: Michael McClelland
- D Materials and Technology: Spencer Higgins

OPENING

Friday, September 13

8:30 a.m. Opening

Bill Woodworth, Heritage Toronto Board

Jan Longboat, Elder Six Nations Brantford

Kent Diebolt, President APT International

William Gerrard, Ontario Realty Corporation

What Good is Old Stuff? From Weaving Gold to Terror Blast Mitigation: Technical and Cultural Information in Antique Structures

Max Allen, producer of IDEAS, CBC Radio's premiere program about contemporary thought. He is the editor of the recently published "Ideas that Matter: The Worlds of Jane Jacobs." Mr. Allen is on the Board of Directors of Energy Probe Research Foundation and he is the founding curator of the Textile Museum of Canada.

CONFERENCE PROGRAM

Presentation Block 1

September 13, 10:30a.m. – Noon

ARCHAEOLOGICAL PROTECTION AND REMEDIATION

(A)

RYH – Confederation 5,6

SESSION 1.1

Chair: **Peter Carruthers**

Protection Measures for the Burial Mounds of Bahrain.

Salim A. Elwazani, Ph.D, RA, Associate Professor & Coordinator, Architecture and Environmental Design, Bowling Green State University: Visiting Fulbright Scholar University of Bahrain 2001-2002

Preservation Challenge in the Ukraine: Conserving a Hellenistic Period Farmhouse at the Archaeological Site of Chersonesos, Crimea

Pamela Jerome, US, Adjunct Associate Professor, Columbia University/

Senior Associate, Wank Adams Slavin Associates, LLP

Norman Weiss, US,

Regeneration of the Parliament Buildings in the Old Town of Toronto

Frank Dieterman, PH.D University of Toronto, Archaeological Services Inc.

SIGNIFICANT ELEMENTS OF DISASTER

(B)

RYH – Tudor 8

SESSION 1.2

Chair: **Spencer Higgins**

The Fear of Fire, Epidemics, and Floods as Agents of Change; the Role of Crisis in the Evolving Story of a Montreal Reservoir

Susan Ross, Architect, Canada

Fire at Parliament! Historical Perspectives on Disaster Responses in Ottawa, London and Budapest

Rosanne Dubé, Heritage Conservation Program, Public Works and Government Services Canada

Structural Triage of Historic Buildings

Donald Friedman, LZA Technology, US

**PUBLIC BUILDINGS AND PUBLIC SAFETY: 3 CASE STUDIES OF "REDUCING LOSS"
IN PUBLIC BUILDINGS**

(B/D)

RYH – Tudor 7

SESSION 1.3

Chair: **William Gerrard**

Bracing for Impact

Barbara Campagna AIA, Partner, Campagna, & Easton Architects, LLP New York

Lisa A. Easton, AIA, Partner, Campagna, & Easton Architects, LLP New York

Protecting Heritage Buildings Against Terrorist Blast Attack

Marc S. Caspe, P.E. Licensed Civil and Structural Engineer, Chief Engineer for MCA

The struggle to apply conservation principles to the Market Hall Rehabilitation project by integrating high-tech solutions of analysis and materials testing with traditional approaches to the conservation of timber and masonry.

David C. Fischetti, P.E., DCF Engineering, Inc.US

DOCUMENTATION IN EXTREME LOCATIONS

(D)

RYH – Alberta

SESSION 1.4

Chair: **Stephen Carruthers**

Planning Education-Based Documentation in Extreme Locations:

Montezuma Castle, Arizona as a Case Study

David Woodcock, Professor and Director, Historic Resources Imaging Laboratory, College of Architecture, Texas A & M University, US

Robert B. Warden, AIA, Associate Professor, Historic Resources Imaging Laboratory, College of Architecture, Texas A&M University, US

Structural Monitoring Systems for Extreme Situations Using State-of-the-Art Instrumentation Equipment and Systems Currently Available in the Marketplace.

Doug Stephenson, Senior Conservation Engineer, Public Works and Government Services Canada

"History, Hypothermia, and Horse Manure: Ten Years Working on Mackinac Island"

Gregory A. Jones, Director of Historic Preservation, SmithGroup, US

SESSION 1.5

AATA Online: A New Tool For Architectural Conservation

RYH – New Brunswick

AATA Online, formerly the print publication, Art and Archaeology Technical Abstracts, is a free online database of more than 100,000 abstracts of worldwide literature related to the management and conservation of international material cultural heritage. Launched on June 8, 2002, AATA Online is a service of the Getty Conservation Institute, in association with the International Institute for Conservation of Historic and Artistic Works. In this session, Getty staff will provide an overview of the database's editorial scope and a demonstration of the online service.

Presentation Block 2
September 13, 1:30 – 3:00 p.m.

EXTREME IMPACTS THROUGH NEGLECT

(A)

RYH – Confederation 5,6

SESSION 2.1

Chair: **Richard Moorhouse**

Building Asset Management: BUILDER a Tool for Preservation

Michael K. McInerney, P.E. Researcher, U.S. Army Construction Engineering Research (CERL) Laboratory

Treating a Forgotten Disaster: The Stabilization of Hillis Hall After Fire and Neglect

Kevin Daly, Building Conservation Associates, Inc.

Endangered Texas Courthouses – An Overview & Case Study

Patrick Sparks, President, Sparks, Larosche & Associates, Inc. Austin, Texas US

Stan Graves, Director Architecture Division and Deputy State Historic Preservation Officer, Historical Commission Austin, Texas, US

PUBLIC POLICY #1

(B)

RYH – Tudor 8

SESSION 2.2

Chair: **Phil Goldsmith**

Nature or Terror Disaster? Church or City Hall? The Interactive Effect of Building Type and Disaster Agent on the Public Approach to Preservation.

Dr. Anat Geva, Department of Architecture Texas A&M University

Fatima Al-Nammary, Department of Architecture Texas A&M University

“Green Infrastructure” Land Use Planning

Kathryn Miller, CPC , Chair Loudoun County Planning Commission/Principal, HaAR – Historic and Architectural Resources

Conservation and Stewardship as a Measured Response to “Urban Renewal”

Robert A. Young, Associate Professor, University of Utah Graduate School of Architecture

EARTHQUAKES

(C)

RYH – Alberta

SESSION 2.3

Chair: **Michael McClelland**

Washington State Legislative Building Monumental Sandstone Cladding Earthquake Damage Stabilization

Mark R. Morden, AIA, CCA, Consultant, Wiss, Janney, Elstner Associates, Inc., US

Seismic Behaviour of Historic

Giorgio Croci, Italy, Professor of Structural Engineering, University of Rome, chair of Structural Restoration and Historic Monuments

State-of-the-Art Technology for Analyzing and Reducing Exposure of Heritage Structures to Strong-motion Ground Vibrations.

Marc S. Caspe, P.E. Licensed Civil and Structural Engineer, Chief Engineer for MCA

MATERIAL AND DEGRADATION AND CONSERVATION

(D)

RYH – Tudor 7

SESSION 2.4

Chair: **Jane Burgess**

Corrosion: The Use of Metal Within Wall Systems and Associated Life-cycle Issues.

Edward A. Gerns, Consultant, Wiss, Janney, Elstner Associates, Inc.

When All Is Lost: Finding Meaning in What Remains. The Cooper Union Foundation Building.

Anne Holford-Smith, Senior Associate, Platt Byard Dovell Architects

Ivan Myjer, Principal, Building and Monuments Conservation

A New Approach to Disaster Management Developed as Part of the Tweed Courthouse Restoration, New York City

John G. Waite, FAIA, John G. Waite Associates Architects, PLLC

Nancy Rankin, Associate, John G. Waite Associates, PLLC

Presentation Block 3
September 13, 3:30 – 5:00 p.m.

RESPONSES TO EXTREME ABANDONMENT

(A)

RYH – Confederation 5,6

SESSION 3.1

Chair: **Phil Goldsmith**

New Structural Remedies for the Old “New Jerusalem Monastery

Ivan Strelbitsky, Chief Project Engineer of Central Restoration Bureau and Chief Project Engineer of Restoration Bureau SIMARGL, Moscow, Russia

Analytical Techniques used to Assess the Effects of a Fire at the Cathedral Church, Saint John the Divine

Claudia Kavenagh, Director, Building Conservation Associations Inc.

Christopher Gembinski, Associate, Building Conservation Associations Inc.

Perestroika Conservation: The Russian Cart before the Horse of Mentality.

Travis McDonald, Director of Architectural Restoration, Thomas Jefferson’s Poplar Forest

PUBLIC POLICY #2

(B)

RYH – Tudor 7

SESSION 3.2

Chair: **Carl Bray**

The Last Refugee Macro and Micro Initiatives: Yellowstone to Yukon

Stephen Carruthers, Principal, Zeidler Carruthers Architects

Integrating Historic Resources & Hazard Mitigation

Caleb Christopher, Architectural Historian, URS Corporation

Mark R. Edwards, Group Leader, Historic Preservation and Cultural Resource Group, URS Corporation

Heritage Preservation and Disaster Assistance Policy in Canada and the United States

Charlie Bigenwald, President, C.A.B. and Associates

FLOODS & HURRICANES

(C)

RYH – Tudor 8

SESSION 3.3

Chair: **Russ Newbold**

Flash-flood Impact on Ancient Egyptian Tombs in the Valley of the Kings, Luxor, Egypt: Research of Natural & Anthropogenic Hazards & Implementation of Flood Protection Measures.

James McLane, James McLand and Associates, Architects

Fireproof but Not Foolproof or Floodproof: Assessment of Flood Damage to an Early 20th Century Gypsum Concrete Floor

Suzanne Pentz, Associate and Director of Historic Structures, Keast and Hood Co.
Structural Engineers, US

The Restoration of Kathrineberg Conservation vs Disaster (the residence of the Governor of the Virgin Islands)

Joseph Sembrat, President, Conservation Solutions, Inc.

Martin Weaver, President, Martin Weaver Conservation

THE IMPACTS OF EXTREME INTERVENTIONS

(D)

RYH - Alberta

SESSION 3.4

Chair: **Lori O'Malley**

Reclaiming the Shaker Architectural Legacy: The Preservation of the North Family of the Mount Lebanon Shaker Village

Morris Hylton III, Associate, Page Ayres Cowley Architects, LLC, New York, US

Protective or Destructive Glazing? The Myriad of Misconceptions of Protective Glazing

Arthur J. Femenella, President, Femenella & Associates, Inc.

Strengthening the main cantilevers at Fallingwater using high-strength steel tendons to post-tension the structure and reversing the stress distribution.

John Matteo, Robert Silman Associates PLLC – Structural Engineers

Presentation Block 4
September 14, 8:30 – 10:00 a.m.

CONSERVATION OF MEMORIALS AND MONUMENTS

(A)

RYH – Territories

SESSION 4.1

Chair: **André Scheinman**

Mitigating the Loss of Cultural Resources in War Zones

Gail Sussman, Jerusalem

A Beautiful Rock in a Hard Place: Planning Repairs to the Canadian National Vimy Memorial

Natalie Bull, Conservation Advisor and Program Manager, Heritage Conservation Program, Public Works and Government Services Canada

Andy Butler, Conservation Technologist/Analyst, Heritage Conservation Program, Public Works and Government Services Canada

Robert Pajot, Conservation Analyst, Heritage Conservation Program, Public Works and Government Services Canada

Philosophy & Principles of Preservation in Practice: Examining the “whole”, “context”, and “value” of preserving the Monastery of Saint Thaddeus, Iran; the Dungeness Ruins of Cumberland Island, USA; and Fort Jefferson in the Gulf of Mexico

Ali Miri, National Parks Service – Architecture Division

FORT YORK

(B)

RYH – Tudor 7

SESSION 4.2

Chair: **Jean Carron**

Avoiding Disaster, Development Pressures and Heritage Preservation: Defining and Protecting the Public Interest in Canada

Catherine Naismith, OAA, MRAIC, Architect Toronto, Former Chair Toronto Preservation Board, Canada

Making the Case: A Planners toolkit for achieving compatible redevelopment in areas with heritage issues

Dr. Carl Bray, Heritage Planner, Kingston, Ontario, Canada

Assessing Visual Impact: Visual Protection of the National Symbols in Ottawa and Assessing the Visual Impact of High Rise Development on Fort York, Toronto

Robert Allsopp, Urban Designer, Partner du Toit Allsopp Hillier

John Danahy, Professor Landscape Architect Centre for Landscape Research, University of Toronto

FIRE CASE STUDIES

(C)

RYH – Tudor 8

SESSION 4.3

Chair: **Richard Unterman**

Ashes to Asset, Dust to Duplicate: The Reconstruction of "Tick Hall"

Bruce W. Popkin, Senior Associate for Preservation, Wanks, Adams, Slavin Associates New York

Anatomy of a Fire – The Old Capitol, Iowa City

Fredrick C. Miller, Davenport Office Manager, and Project Manager Renaissance Restoration Inc.

Fire Restoration at Iowa's Old Capitol

David, B. Coe, AIA, Associate, Einhorn Yaffee Prescott, Architecture and Engineering

David N. Fixler, AIA, Principal, Einhorn Yaffee Prescott, Architecture and Engineering

Marie Ennis, P.E., Principal, Einhorn Yaffee Prescott, Architecture and Engineering

TECHNICAL SOLUTIONS

(D)

RYH – Confederation 5,6

SESSION 4.4

Chair: **Jill Taylor**

Seismic Retrofit Techniques for Non-reinforced Stone and Non-reinforced Masonry Historic Structures with Internal Reinforcements

James A. Mason, Cornell University, Graduate Research Assistant/Engineering

The Wisconsin Supreme Court, Wisconsin State Capitol: Confronting the Destruction of Monumental Works of Art in Historic Interiors

Constance S. Silver, President Preservar, Inc.

Richard Wolbers, Professor, University of Delaware

Extreme Impacts: Measured Response

The Impact of Responsible Measurement

This educational session will discuss, through example projects, the methods and advantages of using Stereophotogrammetric techniques for heritage recording and data collection.

Peter Trieb, Principal, Heritage Building Recording and Conservation

Presentation Block 5
September 14, 10:30 – Noon

SIGNIFICANT PLACES

(A)

RYH – Territories

SESSION 5.1

Chair: **Gail Sussman**

Conservation in New Delhi: St. James Church

Ratish Nanda, Conservation Architect, New Delhi, India

A Scheme for Disaster Preparedness and Re-Interpretation of Heritage Resources

Carole Crumley, Ph.D., Professor of Anthropology, University of North Carolina

From Dachau to Birkenau: Preserving Extreme Sites of Crime

Jeffrey Koerber, Senior Architect Engineer, Wiss Janney Elstner Associates, Inc

CAD TECHNOLOGY IN CONSERVATION

(D)

RYH – Tudor 8

SESSION 5.2

Chair: **Ann De Mey**

Practical Approaches to Computer Modelling of Traditional Timber Joints

Lyse Blanchet P. Eng. M.Sc., Heritage Conservation Program,
Public Works & Government Services Canada

What is Past is Prologue: GIS-based Condition Assessment of Drayton Hall's Great Hall Ceiling

John Hinchman, Architectural Conservation, Fellow University of Pennsylvania

Frank G. Matero, Associate Professor of Architecture and Chair of the Graduate Program in Historic
Preservation, University of Pennsylvania

Monitoring Historic Sod Structures: Stereological Solutions to Isolated Architecture

Lauren B. Sickels-Taves, Assistant Professor, Historic Preservation Program, Eastern Michigan University

DISASTER MANAGEMENT AND RISK ASSESSMENT

(B)

RYH – Confederation 5,6

SESSION 5.3

Chair: **Sean Fraser**

Planning for Disaster Management, Management of People and Materials at an Active Recovery Site, and Response in a Civic Urban Environment. (Boston Flood)

David Bliss, Associate, Shepley Bulfinch Richardson and Abbott

Ernest Conrad, Landmark Facilities Group, Inc.

ElectroOsmotic Pulse(EOP) Technology for Prevention of Water Intrusion: Rising Damp and Moisture in Historic Buildings

Michael K. McInerney, P.E. Researcher, U.S Army Construction Engineering Research (CERL) Laboratory

Point, Line, and Plane: A Modern Building Case Study Identifying Basic Criteria for Security Design Decisions and Architectural/Engineering Issues Related to Security.

Steven G. Naggatz, Senior Architect/Engineer, Wiss, Janney, Elstner Associates, Inc.

CONSERVATION TECHNOLOGY & PRACTICE CASE STUDIES/LONG TERM EFFECTS

(D OR C)

RYH – Tudor 7

SESSION 5.4

Chair: **Spencer Higgins**

Masonry – Restoring Plumbness to a Masonry Structure and Its Cast Iron Storefront

William R. Jr. Black, Ray Black & Son, Inc, General Contractors

Christopher Black, Ray Black & Son, Inc, General Contractors

Ronald K. Williams, Structural Engineer

Neglected Building, Neglected History: The Extreme Impact of Doing Nothing

David Gibney, President, Historic Restoration Specialists, Inc

Tabby – Hollybourne Cottage: Overcoming Builder-created Challenges.

Brian Scott Robinson, Superintendent of Historic Preservation, Jekyll Island, State Park Authority

Presentation Block 6
September 14, 2:00 – 3:30 p.m.

SIGNIFICANT PLACES 2

(A)

RYH – Confederation 5,6

SESSION 6.1

Chair: **Mark Fram**

Mostar, Bosnia: A Case Study

A Two-Part Investigation of the Political Topography of War and Rebuilding

Catherine Truman, Ann Beha Associates, Inc. Boston

The Sassi of Matera: A Story of Survival

Rally Prato, Architect & Conservator

Shaking up Historic Buildings

Casey Caughie, P.E. Principal, Skilling Ward Magnusson Barkshire Inc.

IMPACTS OF TECHNOLOGY

(D)

RYH – Tudor 8

SESSION 6.2

Chair: **George Kapelos**

IMA Spatial Modeling and the Parthenon

Scott Knox, Associate Architect, AIA

Issues in Renovating Previously Renovated Windows

Deborah Robinson, Architect, Goody, Clancy & Associates

Use and Application of Digital Technology in the Design and Fabrication of Gothic Revival Replacement

Wood Windows Using CNC Routing Machinery

Gregory MacNeil, Jerry MacNeil Architects Ltd.

Jerry MacNeil, Jerry MacNeil Architects Ltd.

STRUCTURES AND SYMBOLS

(D)

RYH – Tudor 7

SESSION 6.3

Chair: **Barbara Campagna**

Rehabilitation/Restoration of a Stone Masonry Bridge

Stephen T. Robins, MA Sc., P. Eng, Manager, Kingston McCormick Rankin Corp.

Significant Public Symbols Centre Street Bridge Lions: Rehabilitation & Replication of Historic Concrete Sculpture

Lorne Simpson, Partner, Simpson Roberts Architects

Paul E. Gaudette, Consultant, Wiss, Janney and Elstner Associates, US

Deborah Staton, Consultant, Wiss, Janney and Elstner Associates, US

The Decline and Rebirth of the Amsterdam Theatre

Dean K. Koga, Building Conservation Associates, Inc.

THREE GORGES DAM PROJECT IN CHINA

(B)

RYH – Territories

SESSION 6.4

Chair: **Jill Taylor**

Special – Three Gorges Dam Project – China

From Here to There: Helping to Preserve Cultural Heritage in the Three Gorges a Volunteer's Experience

Dr. Nelly Ng, Chair of the Canadian Foundation for the Preservation of Chinese Cultural and Historical Treasures

Camera, Dam and Yangtze Heritage: Technological Thought in Art and the Media

Dr. Ann Krahn, Associate Professor, Queen's University, Kingston and Visiting Scholar, Royal Ontario Museum, Toronto.

The Use of Recording and Documentation as Mitigation

Mr. Peters, Director General/Directeur General, Canadian Conservation Institute/Institut canadien de conservation.

Final Plenary Session(s)
September 14, 4:00 – 5:00 p.m.

7.1 Time and Place

Chair: **Peter Caruthers**, Chair Heritage Toronto
RYH – Confederation 5,6

7.2 Human Influence

Chair: **Jill Taylor**, Principal, Taylor Hazell Architects Ltd.
RYH – Tudor 7

7.3 Natural Influence

Chair: **Michael McClelland**, Principal, E.R.A. Architects Inc.
RYH – Tudor 8

7.4 Materials and Technology

Chair: **Spencer Higgins**, Principal, Spencer R. Higgins Architect inc.
RYH – Territories



Montreal, Quebec; April 22, 1869
(CP Photo)
National Archives of Canada
C-010977

CONFERENCE AT A GLANCE MAP

	Thursday, September 12		Friday, September 13	
7:30 – 8:00			Exhibits RYH – Concert Hall	Conference Registration & Information RYH – Concert Hall Foyer
8:00 – 8:30				
8:30 – 9:00	DAY 2: Workshops #1, 2, & 3 ICOMOS Symposium/RYH – Confederation 5,6		APTI Board of Directors Meeting RYH – Tudor 7	Opening Plenary Session and Continental Breakfast Keynote Speakers: Max Allen, Kent Diebolt, Jan Longboat, and Bill Woodworth RYH – Concert Hall
9:00 – 9:30				
9:30 – 10:00				
10:00 – 10:30	Break/RYH – Territories			Break RYH – Concert Hall
10:30 – 11:00	Workshops # 1, 2, & 3 Off Site ICOMOS Symposium – Royal York Confederation Room 4, 5, 6			1.1- Archaeological Protection and Remediation (Confederation 5,6) 1.2- Significant Elements of Disaster (Tudor 8) 1.3- Public Buildings and Public Safety: Three Case Studies of "Reduction Loss" in Public Buildings (Tudor 7) 1.4- Documentation in Extreme Locations (Alberta) 1.5- AATA Online: A New Tool for Architectural Conservators (New Brunswick)
11:00 – 11:30				
11:30 – 12:00				
12:00 – 12:30		Lunch for: • ICOMOS/RYH – Confederation 5,6 • APTI Board of Directors/RYH – Tudor 7 • Workshops/on location		Complimentary Lunch and General Annual Meeting RYH – Concert Hall
12:30 – 1:00				
1:00 – 1:30				
1:30 – 2:00		Workshops #1, 2, & 3, cont. ICOMOS Symposium/RYH – Confederation 5,6		Learning Tour: Toronto Temples of Commerce (Meet at APT Registration Desk)
2:00 – 2:30				2.1- Extreme Impacts Through Neglect (Confederation 5,6) 2.2- Public Policy #1 (Tudor 8) 2.3- Earthquakes (Alberta) 2.4- Material Degradation and Conservation (Tudor 7)
2:30 – 3:00				
3:00 – 3:30				Break RYH – Concert Hall
3:30 – 4:00		Session Monitor Training RYH – Jasper 1-266	College of Fellows Meeting RYH – New Brunswick	Learning Tour: Centre for Landscape Architecture (Meet at APT Registration Desk)
4:00 – 4:30				3.1- Responses to Extreme Abandonment (Confederation 5,6) 3.2- Public Policy #2 (Tudor 7) 3.3- Floods & Hurricanes (Tudor 8) 3.4- The Impacts of Extreme Interventions (Alberta)
4:30 – 5:00	Exhibits RYH – Concert Hall			
5:00 – 5:30		Conference Registration Information RYH – Concert Hall Foyer	College of Fellows Social RYH – Jasper 1-266	University of Pennsylvania Alumni Reception RYH – Piper's Bar
5:30 – 6:00				
6:00 – 6:30				
6:30 – 7:00	Conference Opening Reception and Student Poster Awards Historic Fort York			
7:00 – 7:30				APT College of Fellows Reception, Lecture and Induction Ceremony of New Fellows Featuring Professor Adrian Phillips, CBE (University of Wales, Cardiff) on The Nature of Culture St. Lawrence Hall
7:30 – 8:00				
8:00 – 8:30				
8:30 – 9:00				
9:00 – 9:30				
9:30 – 10:00				
10:00 – 10:30				
10:30 – 11:00				
11:00 – 11:30				

FEATURE MEETINGS

Thursday, September 12

APT BOARD Meeting
 RYH - Tudor 7
 8:30 a.m. - 5 p.m.

College of Fellows Meeting
 RYH - New Brunswick
 3:30 - 5:00 p.m.

Session Assistant Training
 Jasper 1-266
 4:30 - 5:00 p.m.

College of Fellows Social
 Jasper 1-266
 5:00 - 6:00 p.m.

Friday, September 13

University of Pennsylvania
 Alumni Reception
 Piper's Bar at Fairmont Royal
 York Hotel
 5:00 - 6:30 p.m.

Preservation Engineers meeting
 Jasper 1-266
 5:00 - 6:00 p.m.

Saturday, September 14		
7:30 - 8:00	Exhibits RYH - Concert Hall	Conference Registration/ Information RYH - Concert Hall Foyer
8:00 - 8:30		Coffee RYH - Concert Hall
8:30 - 9:00		4.1- Conservation of Memorials and Monuments (Territories)
9:00 - 9:30		4.2- Fort York (Tudor 7)
9:30 - 10:00		4.3- Fire Case Studies (Tudor 8)
10:00 - 10:30		4.4- Technological Solutions (Confederation 5,6)
10:30 - 11:00		Break - Salon B Concert Hall Royal York
11:00 - 11:30		Learning Tour: The Origins of Toronto (Meet at APT Registration Desk)
11:30 - 12:00		5.1- Significant Places (Territories)
12:00 - 12:30		5.2- CAD Technology in Conservation (Tudor 8)
12:30 - 1:00		5.3- Disaster Management and Risk Assessment (Confederation 5,6)
1:00 - 1:30		5.4- Conservation Technology & Practice Case Studies/Long Term Effects (Tudor 7)
1:30 - 2:00		Complimentary Lunch and APT Future Planning Session RYH - Concert Hall
2:00 - 2:30		6.1- Significant Places 2 (Confederation 5,6)
2:30 - 3:00		6.2- Impacts of Technology (Tudor 8)
3:00 - 3:30		6.3- Technological Results (Tudor 7)
3:30 - 4:00		6.4- Three Gorges Dam Project in China (Territories)
4:00 - 4:30		Coffee Break
4:30 - 5:00		7.1- Time and Place (Confederation 5, 6)
5:00 - 5:30		7.2- Human Influence (Tudor 7)
5:30 - 6:00		7.3- Natural Influence (Tudor 8)
6:00 - 6:30		7.4- Materials and Technology (Territories)
6:30 - 7:00	APT Gala Banquet and Awards Ceremony Featuring the entertainment of Second City Comedy Troop And The Swingin' Blackjacks	
7:00 - 7:30	RYH - Concert Hall	
7:30 - 8:00	6:30 pm - 11:30 pm	
8:00 - 8:30		
8:30 - 9:00		
9:00 - 9:30		
9:30 - 10:00		
10:00 - 10:30		
10:30 - 11:00		
11:00 - 11:30		

LEARNING TOURS

A Series of special learning Tours are offered within the conference program. These tours are designed to focus on the place you are visiting and to offer a unique experiences.

All Tours depart from the Conference Registration Desk in the Concert Hall foyer. Each tour lasts one and one-half hours and will conclude at the Royal York Hotel.

Tour capacity is limited. Please sign-up at the Conference Registration Desk.

Option 1: Temples of Commerce

1:30 – 3:00pm, Friday, September 13

This walking tour will focus on the preservation of nineteenth and early twentieth century buildings related to the financial growth of the city of Toronto. The various sites reveal a number of means of preservation, whether through reuse, relocation or renovation. Among the buildings visited will be a former branch of the Bank of Montreal (1885-86), the former head office of the Dominion Bank (1905-06), the former Toronto Stock Exchange (1937), the Canadian Imperial Bank of Commerce (1929-31), and the Bank of Nova Scotia (1949-51).

Option 2: Centre for Landscape Research

3:30 – 5:00 Friday, September 13

Centre for Landscape Architecture
University of Toronto
Faculty of Architecture, Landscape and Design
230 College Street

Led by Professor John Danahy, the Centre for Landscape Research tour will demonstrate an advanced computer visualization studio developed for use in urban design and landscape work. This lab collaborates with similar facilities at ETH Zurich, UBC, Melbourne, Harvard, and Waterloo universities.

Complex terrain and built form models are developed which can then be used to simulate the experience of moving through spaces. The lab has important applications in testing the visual impacts of development on the experience of existing landscapes or cityscapes, and has been applied in the protection of heritage features in several Canadian locations.

The demonstration will include examples of models done for:

- The Canadian Centre for Architecture of old Montreal as well as a simulation of unbuilt projects of Frank Lloyd Wright in their landscapes;
- The National Capital Commission and the City of Ottawa of downtown Ottawa to identify and protect key views of the National Symbols in Ottawa;
- The Friends of Fort York and the Culture Division of the City of Toronto, of Fort York to demonstrate negative impacts of over development adjacent to the fort; and
- The University of Toronto, of Kings College Circle at the University of Toronto to plan a student residence to fit in with this Heritage area.

Option 3: The Origins of Toronto

10:30am – Noon , Saturday, September 14

This walking tour will focus on the historic Old Town of Toronto with an emphasis on the original buildings that shaped the city. Many of these buildings have found a new life in a burgeoning multi-use district of the modern city. Buildings of note include the Flatiron Building (1891-92), Toronto's Second City Hall (1844), Toronto's Seventh Post Office (1851-53) and the Consumers' Gas Company Building (1876/1882).

CONFERENCE SOCIAL EVENTS

Workshop Reception

7:30 – 9:00 p.m., Tuesday, September 10

Location: Ontario Heritage Centre, 10 Adelaide Street East (Downtown Toronto)

Fee: \$30.00 CDN, \$20.00 US

Located three blocks north and two blocks east of the Fairmont Royal York Hotel is the Ontario Heritage Centre. Built in 1908-09 to the designs of architect George Guouinlock, the Birkbeck Building was first used as an investment bank. This Renaissance Revival building was rehabilitated in 1987 and is now home to the Ontario Heritage Foundation, the Province of Ontario's lead heritage agency. The evening dessert reception (light desserts and cash bar) will include a short presentation on the Ontario Heritage Foundation and the bank's rehabilitation as well as a tour of some of the key heritage interiors of this National Historic Site.

Workshop Dinner

6:00 – 10:30 p.m., Wednesday, September 11

Location: the Royal Canadian Yacht Club

Fee \$75 CDN, \$48 US

Dress code requirements: gentlemen: Jacket; shirt with collar and sleeves and dress pants; ladies: dress, skirt, or dress pants with a blouse, sweater or tunic. (Note: This event is included as part of the workshop registration fee. Additional space is limited and will be made available to Symposium Attendees and APT Directors)

An opportunity to dress with a sense of occasion and visit the premier Yacht Club of Toronto. The club is located in bucolic splendor on Toronto's Island playgrounds. From here you can enjoy magnificent views of the urban core set against the waters of Toronto Harbour. For those on shore, a launch will bring you to the club; others will arrive from workshops on the island. Relax and network before dinner, then, following a fine meal local historian Mike Filey will regale the group with stories of Toronto's historic waterfront and the history of the Islands. The launch will return all to shore at approximately 10:00 p.m..

Conference Opening Reception

6:30 – 9:30 p.m., Thursday, September 12

Location: Historic Fort York

Fee: \$35.00 CDN, \$22.00 US

Started in 1793, Historic Fort York is the military site linked to the founding of what is now the City of Toronto. The current collection of buildings date to the war of 1812, having been constructed to replace those destroyed by American forces in the Battle of York. The site has suffered many indignities over the years but has survived and been restored on its original site despite huge urban pressures surrounding it. It is a fitting place to welcome everyone to our City, hear a few words about our history, enjoy wonderful views of the downtown, relax and meet friends as a kick off to the conference. It can be reached on foot from the conference hotel; transportation will also be provided.

Annual General Luncheon

Noon – 1:30 p.m., Friday, September 13

Location: Concert Hall, The Fairmont Royal York Hotel

Complimentary

Over a complimentary lunch, get updated on APT's activities, meet Board members, hear reports from APT committees and local chapters, and find out how to get more involved in APT.

College of Fellows Lecture 2002

Friday, 13 September 2002, 7:00 – 9:30p.m.

Location: St. Lawrence Hall, 151 King Street East (Downtown Toronto)

Complimentary

Located an architecturally-interesting 10 minute walk east of the Fairmont Royal York Hotel and situated in the heart of Toronto's "Old Town" is St. Lawrence Hall (199 King Street East) — the location of the APT College of Fellows Lecture and Reception. Built in 1845-50 and designed by Architect William Thomas, the hall is one of the Province's finest Nineteenth Century civic buildings. An opening reception will include a short introduction on the architecture and history of the Old Town by Toronto Historian Stephen Otto. This will be followed by the main event, a presentation by The College of Fellows lecturer. PROFESSOR ADRIAN PHILLIPS will speak on "THE NATURE OF CULTURE: an overview of the natural values of cultural landscape." We will conclude the evening with the INDUCTION OF NEW FELLOWS.

For more information on Professor Adrian Phillips see College of Fellow section.

Luncheon — "Setting the Agenda for APT"

Noon – 2:00 p.m., Saturday, September 14

Location: Concert Hall, The Fairmont Royal York Hotel

Complimentary

Following a complimentary lunch, this session will identify emerging trends in preservation technology in order to shape APT's technical and philosophical agenda for the coming years, including, What are the next building materials and assemblies about which preservationists need to be knowledgeable? What accepted methods and approaches to conservation practice need rethinking, and what new ones are required? What topics should (or should not) be written about in APT Bulletin? What topics should be explored through online chat rooms at www.apti.org?

Attend to hear what your APT colleagues have to say about the future of preservation technology and bring your own vision to the table.

Gala Banquet

6:30 – 11:30 p.m., Saturday, September 14

Location: Concert Room, The Fairmont Royal York Hotel

Fee: \$80.00 CDN, \$50.00 US

In keeping with APT traditions we have planned a grand banquet for Saturday night. The ballroom of the Royal York Hotel, Toronto's finest historic hotel, and host to our conference, will be the setting for our festivities. The well-known Second City Comedy Troop who will regale us with their wit and humour during dessert will follow a sumptuous meal. This will be followed by the Canadian Group The Swingin' Blackjacks who will help us to let down our hair with their unique blend of Rock, Jazz and Blues.

APT COLLEGE OF FELLOWS

The APT College of Fellows, established in 1992, recognizes APT members who have made a significant contribution to the field of preservation technology and to APT International. The APT Board may call upon the College of Fellows in areas where their experience, expertise, and contacts could be helpful to the organization or to the field of preservation technology. APT's Founders were the original members of the College (F). New members are inducted at APT's Annual Conference.

2002 College of Fellows Guest Lecturer

PROFESSOR ADRIAN PHILLIPS – "THE NATURE OF CULTURE: an overview of the natural values of cultural landscape."

Adrian Phillips's career has been in the field of environmental conservation, both within the UK and internationally. He has worked with the government, voluntary, academic and business sectors in relation to UK conservation and countryside issues for most of his working life. He is the past Chair of the World Commission on Protected Areas (WCPA), IUCN. Prior to this, he was the Director General of the Countryside Commission, UK. Since 1992, he has been Professor of Countryside and Environmental Planning at the University of Wales, Cardiff.

Adrian Phillips has had some 20 years active involvement in protected areas work, particularly relating to landscape protection at the international level. He has been associated with several key initiatives in this respect, e.g. Lake District Symposium (1987) and the development of the European Landscape Convention (adopted in 2000). Currently, he leads IUCN's input to the World Heritage Convention. He has addressed audiences on all continents and has written numerous papers, articles and chapters in books on UK and international conservation topics.

Adrian Phillips has a degree (1st. Class Honours) in Geography from Oxford, 1962, and a Diploma in Town and Country Planning, University of London, 1966. He is a Chartered Town Planner and an Honorary Fellow of the Landscape Institute.

He was awarded the CBE for services to the countryside and the environment in 1998.

CAREER/EXPERIENCE

UK Government service in planning and countryside (1962 – 1974)
United Nations Environment Programme (UNEP), Kenya (1974 – 1978)
International Union for Conservation of Nature and Natural Resources (IUCN), Switzerland (1978 – 1981)
Countryside Commission: Director General (1981 – 1992)
Cardiff University, Professor of Countryside and Environmental Planning (part-time appointment) (1992 –)
Freelance environmental consultant (1992 –)
Chair of the World Commission on Protected Areas (WCPA), IUCN (1994 – 2000)
Vice Chair, World Heritage, of WCPA (2000 –)

OTHER CURRENT FELLOWS:

Jan C. K. Anderson	Michael F. Lynch, PE, RA
W. Lewis Barlow, IV, AIA	George MacBeath (F)
David W. Bartlett (F)	Hugh C. Miller, FAIA
Gerald Budner (F)	William J. Patterson (F)
Susan Buggiey	Charles E. Peterson, FAIA (F)
Jacques Dalibard, C.M. (F)	A.J.H. Richardson (F)
John A. Fidler, RIBA IHBC FRSA	Lorne G. Simpson, M.R.A.I.C.
Charles E. Fisher	Baird M. Smith, AIA
Harry J. Hunderman, FAIA	Peter John Stokes, F.R.A.I.C. (F)
Stephen J. Kelley, AIA, SE	Thomas H. Taylor, Jr., Ph.D., FAIC

2002 APT STUDENT SCHOLARSHIPS

Students have been involved in the Association for Preservation Technology International's activities since its foundation in 1968. In recent years, our organization has witnessed a remarkable increase in the number of students presenting papers, writing articles, preparing posters, participating in conferences and training activities, and helping organize conferences and chapter events. This increased involvement is a result in the realization — on the part of both the students and the professional membership — of the tremendous benefits of being part of such an organization. The APT Board has made a major commitment to facilitate student participation through an increased dissemination of APT material and the allocation of funds for student scholarships to attend the annual conference and training activities.

Students from all areas of study were encouraged to submit abstracts for poster sessions to be presented at this conference. These posters summarize projects and/or re-search that address an aspect of preservation technology and/or heritage conservation.

The 2002 Jury of the APT Student Scholarship program is proud to award twelve student scholarships this year's conference and workshops.

Name	Poster Title	School
Denise Alexander	Historic Wood Doors	School of the Art Institute of Chicago
Alison Baker	Lustron Panel of Prefabricated porcelain Steel	School of the Art Institute of Chicago
Nicole Donohoe	"Smart Houser" Technology for the Historic House	School of the Art Institute of Chicago
Amber Grubbs	Seismic Evaluation of Unreinforced Masonry Buildings with Wood Floor	Texas A&M University
Nicolas Miquelon	Les enseignes peintes	University of Montreal
Joy Morgan	Old Mill Business District	Drexel University
Cam Duong Ly Nguyen	Quel Futur Pour La Tour Cham Au Centre Du Vietnam?	University of Montreal
Grace Turner	Bahama Etching: Ship Drawings on 19th C Plantation Buildings	Texas A&M University
Michael Lyssy	The Effects of Time on Building Materials	Texas A&M University
Debbie Dodge	Historic Steel Windows	School of the Art Institute of Chicago
Alexandra Wenzl	Construction of Retaining Wall Structures in State Parks	Ball State University
Jean-Benoit Bourdeau	Orange Julep: Une forme dans la memoire	University of Monteval.

CONFERENCE WORKSHOPS

AIA / CES / OAA

AIA Continuing Education System: The Association for Preservation Technology International (APT) is a registered provider with the American Institute of Architect's Continuing Education System (AIA / CES) and is committed to providing quality learning activities in accordance with the AIA / CES criteria. The conference and training courses are registered for the AIA Learning Unit Hours (LU Hours) and meet the Health, Safety and Welfare (HSW) criteria.

The OAA — Ontario Association of Architects — recognizes APT for self-directed Continuing Education points.

Scaffolding for Historic Preservation Projects

Toronto Brickworks
September 11 – 12

OAA / AIA Continuing Education Credits

Certification meets and exceeds Ontario Ministry of Labour requirements in effect as of June 2002.

Course Coordinator: Peter Berton, The Ventin Group, Toronto, Ontario

Assistant: Wilfrea Ferwerda, The Ventin Group, Ontario

COURSE LECTURERS INCLUDE:

- Harry Banikin, H. Banikin & Associates
- Kent Diebolt, Vertical Access LLC, Ithaca, New York
- John Farano, Tower Scaffold Services Inc., Toronto, Canada
- Michael Henry, Watson & Henry Associates, Bridgeton, New Jersey
- Ron Staley, The Christman Company, Lansing, Michigan
- Others

This two-day workshop will address issues relating to scaffolding used on historic building projects. Participants in the workshop will have an opportunity through case study lectures, and a second day of demonstration and lecture on personal fall arrest systems training to gain knowledge and safety instruction concerning access for inspection, design, construction, and conservation of historic buildings and monuments from scaffolding.

The course will examine scaffolding systems and their regulations, cost, standards, and safety. Information concerning man lifts, swing stages, temporary and construction scaffolds will be offered. Participants will examine techniques for attachments to historic fabric and distributing imposed loads of scaffolding on historic structures.

Experts will present case studies of scaffolding solutions for both monumental and small projects, and will examine the causes of several scaffold failures. The second day of this course will address US and Canadian fall protection mandatory requirements with demonstrations and training appropriate for architects, engineers, conservators, and craftspeople. Completion of the second day of training will result in a certificate of completion for fall protection training. The course will be given at The Don Valley Brickworks, a Toronto Historic site.

WORKSHOP INCLUDES:

- Dinner at the historic Royal Canadian Yacht Club (RCYC) historic Island Clubhouse on Wednesday evening. (Dress code applies: for men jackets, shirts with collars and long pants; for women dresses or dress pants.)
- All lunches and a course manual; and
- Transportation to and from the Brickworks from the Royal York Hotel.

Conserving Stone Monuments and Tombstones Workshop

Gibraltar Point Centre for the Arts, Toronto Islands

September 11 – 12

OAA / AIA Continuing Education Credits

Course Coordinator: Tamara Anson-Cartwright,

Technical Advisor, Ontario Ministry of Culture

COURSE LECTURERS INCLUDE:

- Keith Blades, Conservation Consultant, Ottawa – contributor to “Landscapes of Memories – A Guide for Conserving Historic Cemeteries – Repairing Tombstones,” Publications Ontario
- Sach Killam, Co-ordinator of Monument Care program, Woodlawn Cemetery, Guelph, Ontario
- Victor Walker, Walker-Kluesing Design Group consultant to Massachusetts Department of Environmental Management’s Preservation Guidelines for Municipally Owned Historic Burial Grounds and Cemeteries
- Sue Maltby, Maltby & Associates Inc., Toronto
- Dennis Montagna, Director of the US National Park Service’s Monument & Research Preservation Program
- Ratish Nanda New Delhi, India – author of “Historic Scotland’s Conservation of Historic Graveyards Guide”
- Per Neumeyer, Master Stone Mason, Perdan Limited, Toronto
- David Panton, Senior Project Leader, Canadian Battlefield Memorials Restoration Project, Veteran’s Affairs Canada
- Keith Powers, Geophysical Investigations Section, Archaeological Services Inc., Toronto
- Mary Striegel, Dir. Environmental and Materials Research, National Centre for Preservation Technology & Training
- Scott Weir, ERA Architects, Toronto
- Gail Ballard, Trustee of Old St. Thomas Churchyard, St. Thomas, Ontario

PANELLISTS:

- Doug King, President of Ontario Monument Builders Association
- Denise Mahoney, Supervisor of Cemeteries, Parks Department of the City of Mississauga
- Paul Taylor, Woodlawn Cemetery, Guelph & President of Ontario Association of Cemeteries
- Adele Kon, Director of Parks, Recreation and Culture, City of Niagara Falls
- Sandra Lougheed, Conservator of Outdoor Public Art, City of Toronto

COURSE DESCRIPTION:

This technical workshop will provide information on conserving outdoor stone monuments and demonstrate basic masonry repair skills for historic tombstones that are typically found in Canada and the United States.

Slide presentations will focus on common concerns that cemetery managers/trustees (municipal and not-for-profit) in Canada and the US have with preserving historic cemeteries. The case studies will highlight on project management skills, preparing conservation master plans and as well as preparing RFPs for repair work.

The technical aspects of stone conservation will be explained through slide presentations and hands-on demonstration. You will learn from stones experts about the different stones types commonly used for historic monuments and their decay/weathering characteristics as well as special conditions in cold and sub-tropical climates. Hear about the most current stone conservation research in the US.

A panel discussion with municipal staff, a volunteer cemetery trustee, a monument builder, and cemetery managers about the challenges facing those responsible for the care and long-term maintenance of outdoor stone monuments and historic cemeteries.

We will also have conservators and cemetery staff showing their different methods for recording and documenting damaged stones plus the use of GPR, ground penetrating radar, to help locate unknown graves and buried stones.

The hands-on demonstrations will show stone repairs and treatments including concealed pin repairs, patching and shelter coating for marble and limestone. Participants will have an opportunity to try the repair techniques demonstrated.

WORKSHOP INCLUDES:

- Dinner at the historic Royal Canadian Yacht Club (RCYC) historic Island Clubhouse on Wednesday evening. (Dress code applies: for men jackets, shirts with collars and long pants; for women dresses and dress pants.)
- All lunches and a course manual; and Transportation to and from the Island from the Royal York Hotel.

Stained Glass Conservation Workshop

Gibraltar Point Centre for the Arts,
Toronto, Canada
September 11 – 12

OAA / AIA Continuing Education Credits

COURSE COORDINATOR: Craig Sims, Conservation Analyst, Heritage Conservation Program, Public Works and Government Services Canada, Ottawa

Assistant: Rosanne Dubé, Architect, Heritage Conservation Program, Public Works and Government Services Canada, Ottawa

COURSE LECTURERS INCLUDE:

- Shirley Ann Brown, Ph.D., Associate Professor of Art History Fine Arts, Atkinson College, York University, Toronto.
- Andy Butler, Conservation Technologist, Heritage Conservation Program, Public Works and Government Services Canada, Ottawa
- Arthur Femenella, Femenella & Associates, Inc., Annandale, New Jersey.
- Cathy Jordan, The Art of Glass, Media Pennsylvania
- Carole Lumsdon, Conservation Architect, Heritage Conservation Program, Public Works and Government Services Canada, Ottawa.
- Jean Simonton, Heritage Consultant, Toronto.

This two-day workshop will focus on the major issues involved in the conservation of stained glass windows in North America. The term stained glass will be applied in the broadest sense to include all types of glass mounted in a lead came. The history and influences on the design and construction of stained glass will be described. Recording and documentation, both in-situ and in studio, will be demonstrated. Condition surveys and the preparation of contract documents will be discussed.

The material presented will address issues ranging from panel deflection, broken glass, accretion of dirt and fading paint. The well-intentioned but unacceptable methods for rectifying these problems will be presented, as well as the current conservation philosophy, materials and methods. The types of problems that can be rectified in-situ and those that cannot will be differentiated and discussed. Protective glazing will be discussed in detail including problems, recent studies and recommended details.

Participants will have the opportunity to handle materials, wherever possible. All techniques will be demonstrated, for instance, the annotation of rubbings, glass repair and glass painting. A field trip will allow opportunity to view some local examples of historic stained glass windows and to undertake condition surveys.

The course will be given at Gibraltar Point Centre for the Arts on Toronto Islands. The 15-minute ferry ride to Hanlan's Point will provide an escape and great views of the downtown core of Toronto.

WORKSHOP INCLUDES:

- Dinner at the historic Royal Canadian Yacht Club (RCYC) historic Island Clubhouse on Wednesday evening. (Dress code applies: for men jackets, shirts with collars and long pants; for women dresses and dress pants.)
- All lunches and a course manual; and
- Transportation to and from the Island from the Royal York Hotel.

SYMPOSIUM

ICOMOS Canada

International Responses to Fire: Prevention and Retrofit (learning by fire)

Fairmont Royal York

September 12

ICOMOS Canada

Co-coordinator Richard Unterman, ICOMOS Canada Vice-President

John Blumenson, Consultant AHP, Architecture, History & Planning

Ian McGillivray, McGillivray Architect

ICOMOS Canada presents a one-day symposium on how to prevent or at least reduce loss through proper fire prevention methods for historic buildings. Experts from world heritage sites using case examples from England, Canada and the United States will discuss the impact of fire, smoke and water damage, prevention methods and lessons learned from fire damaged artefacts. Delegates to the 2001 ICOMOS Canada AGM in Halifax and Lunenburg, Nova Scotia met face to face with a catastrophic fire. Lunenburg, a World Heritage Site lost the second oldest church in Canada to a Halloween fire. Eight years ago, the unique St Georges in Halifax was also destroyed by fire and has since been rebuilt. In the last three years two major Nova Scotia landmarks have been lost to fire. How can such tragedies be avoided? Ironically, St John's had recently been retrofitted with a sprinkler system. So what went wrong?

This symposium brings together professionals from all sectors of conservation: architects, engineers, conservators, building managers, emergency response personnel, building officials and from the private sector fire prevention industry.

THIS SYMPOSIUM SPEAKERS ARE:

- John Rubes P. Eng, Leber Rubes Inc., Building Code Consultants
- Kate Frame, Conservator, Historic Royal Palaces, United Kingdom
- Emma Carmichael, Chartered Surveyor, Historic Royal Palaces, United Kingdom
- Bill Hockey, Architect, Parks Canada, Atlantic Region
- Marilyn Kaplan, Architect. Consultant.
- Gorgio Croci, Professor of Structural Engineering, University of Rome, Chair of Structural Restoration and Historic Monuments

Post Conference Tours – Sunday, September 15

Niagara Region: War, Water and Wine

8:30 am – 6:30 p.m.

Sunday, September 15

Location: Bus from Fairmont Royal York Hotel

Fee: \$80.00 CDN \$50.00

The history of the Niagara region has been determined by its geography, this narrow isthmus between the United States and Canada, with the spine of the Niagara Escarpment running down its centre, divides two Great Lakes.

The Niagara River, an early transportation route, divides two nations that were once at war. The Escarpment was a barrier and an asset. Travel on the oldest road in the province (the portage around Niagara Falls), experience War of 1812 battlefields, visit impressive “temples to power” (Niagara hydroelectric generating stations), tour recent restoration projects, and visit a local winery on your day in Niagara.

Our tour of the Canadian Niagara, Rankin Generating Station (1902) may be the last opportunity ever to see 19th century hydroelectric technology in operation. This last working station, on the Canadian side of the Niagara Falls is slated to cease operations in the next few years.

Closed shoes are required with a grip sole, i.e. running shoes.

Grand River: Grand Landscapes: The Challenges and Opportunities for the Heritage of the Grand River Watershed

8:30 am – 6:30 p.m., Sunday, September 15

Location: Bus from Fairmont Royal York Hotel

Fee: \$80.00 CDN \$50.00

Explore the rich heritage of the Grand River, designated a Canadian Heritage River in 1994, and its innovative approaches to preservation. Learn about the flood control measures implemented in the city of Cambridge following the 1974 flood, drive through the charming river towns in the southern part of the watershed, and tour two National Historic Sites: Chiefswood, the birthplace of Mohawk poetess E. Pauline Johnson, and Ruthven Park, a fine Greek Revival mansion set in a rare picturesque landscape

Hamilton: Wet and Wild in Hamilton, Canada's Steel City

8:30 am – 6:30 p.m., Sunday, September 15

Location: Bus from Fairmont Royal York Hotel

Fee: \$80.00 CDN \$50.00

Hamilton's 1857-1938 waterworks is a jewel of industrial heritage. The tour begins with the extensive restorations undertaken in the late 1990s on the tall chimney and the massive beam steam engine. We then move on to the stone lined reservoir, abandoned since the early 20th Century, and now somnolent in gentile dereliction. We lunch in period style at historic Dundurn Castle, a magnificent 1835 Regency-style villa built for railway magnate Sir Allan MacNab.

Hamilton is also Canada's “Steel City” so part of the afternoon will be spent driving past the primary steel producers and the heavy metal-bashing industries they spawned. The day will be capped with a reception and tour at the Old World Stone workshops, a company that has undertaken stone restoration projects across North America.

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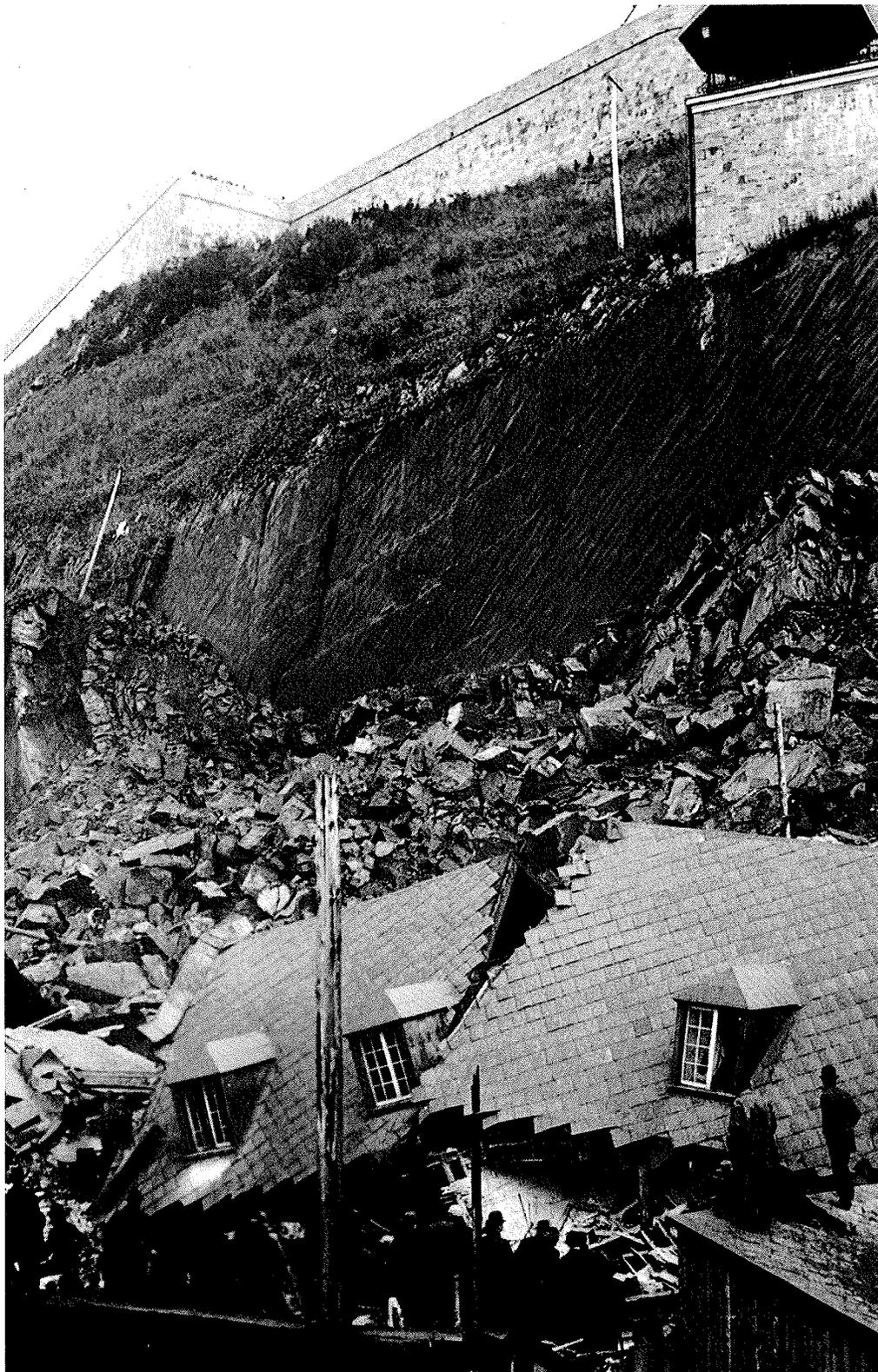
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