

# 2005 CATALOGUE

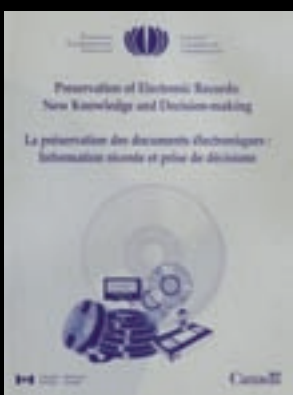
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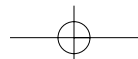
# *Publications and Special Products*



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CONSERVATION

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Dear Colleagues,

It is my pleasure to present CCI's Publications and Special Products Catalogue for 2005. With offerings that range from the popular CCI Notes to the extensive Technical Bulletin series, the products in this catalogue cover a wide selection of topics aimed at helping you preserve your valued artifacts and works of art.

A number of new publications were released in 2004, and all of them have proven to be very popular. In addition, *Preservation of Electronic Records: New Knowledge and Decision-making – Postprints*, the complete text of all papers presented at this recent symposium, has recently become available. Work is also progressing on TB #27 *Remedies for Deteriorated or Damaged Modern Information Carriers* as well as several new CCI Notes. Watch for news of their availability on the CCI Web site or take advantage of our free e-mail notification service.

In addition to the products described in the catalogue, CCI is increasingly utilizing the Internet in its information dissemination activities. Our main Web site ([www.cci-icc.gc.ca](http://www.cci-icc.gc.ca)) is directed to heritage professionals to help them better manage, conserve, and understand cultural property. It is currently being redesigned based on client feedback from an online survey, which will ensure it continues to be a useful resource for conservation information. The new design should appear in the spring of 2005, and will be followed some time later by the addition of a new e-Services function to facilitate interactions with clients. Our other Web site is the award-winning "Preserving my Heritage" ([www.preservation.gc.ca](http://www.preservation.gc.ca)). Intended for general audiences, it offers a variety of exciting and often interactive features that range from advice on caring for family treasures to examples of the creative approaches often used by conservators and conservation scientists in the treatment and analysis of artifacts. If you haven't already, I invite you to visit both of them.

In closing, I hope you will find this new catalogue helpful, and will continue to send your comments and suggestions. Your feedback is always appreciated.

Jeanne E. Inch  
Director General and Chief Operating Officer

Cover photo: Sampling the green patina of an outdoor bronze statue in front of the Supreme Court of Canada, Ottawa. This sample was subsequently analysed by X-ray diffraction to identify the crystalline components of the patina.

### GENERAL INFORMATION

This catalogue contains listings of all English-language CCI publications and special products that are currently available. It can also be viewed on the CCI Web site ([www.cci-icc.gc.ca](http://www.cci-icc.gc.ca)) and orders can be placed directly through the completely secure online Bookstore. Most publications are available in English and in French, but CCI will also issue licences that allow you to translate and produce them in other languages. For more information, contact Raymond Lafontaine [tel.: (613) 998-3721 ext. 103; or e-mail: [raymond\\_lafontaine@pch.gc.ca](mailto:raymond_lafontaine@pch.gc.ca)].

For more information, please contact Publications Sales at:  
Canadian Conservation Institute  
1030 Innes Road  
Ottawa ON K1A 0M5 CANADA  
Tel.: (613) 998-3721 ext. 250; Fax: (613) 998-4721  
E-mail: [cci-icc\\_publications@pch.gc.ca](mailto:cci-icc_publications@pch.gc.ca)

Please use the order form on the last page.  
Prices are subject to change without notice.

Quantity discounts are available for distributors;  
contact CCI for more information.  
*Ce catalogue est aussi offert en français.*

## FEATURE PUBLICATIONS



### **Metals and Corrosion: A Handbook for the Conservation Professional**

by Lyndsie Selwyn

This book discusses the chemical and physical characteristics and the corrosion products of nine common metals: aluminum, copper, gold, iron, lead, nickel, silver, tin, and zinc. It answers questions about these metals and their corrosion problems indoors, outdoors, and in archaeological settings, and is intended as a reference for conservators and conservation scientists: a place to refresh their memory, get started reading the literature, or look up alloys, plating combinations, and particular corrosion problems encountered with metals in museums. It will be an ideal tool for all heritage professionals who survey, care for, or treat metals, or who come across metals during the course of their work.

ISBN 0-662-37984-5 – 21.5 x 28 cm (8.5 x 11") – paperback, 223 pp. – 2004  
In Canada: CAN\$65 – Other countries: US\$65 – Code: 0404



### **TB #26 Mould Prevention and Collection Recovery: Guidelines for Heritage Collections**

by Sherry Guild and Maureen MacDonald

Mould infestation in heritage collections can damage artifacts and may pose a health risk to individuals who work with these collections. This Technical Bulletin presents information on mould morphology, prevention of mould growth, actions to take should mould occur, and health effects relating to mould exposure. It informs the reader how to remove mould growth from artifacts and it describes the appropriate personal protective equipment to wear when working in a mould-contaminated environment or when working with mould-infested artifacts.

ISBN 0-662-35932-1 – 21.5 x 28 cm (8.5 x 11") – paperback, 35 pp. – 2004  
In Canada: CAN\$20 – Other countries: US\$20 – Code: 0301



### **Preservation of Electronic Records: New Knowledge and Decision-making — Postprints**

"Symposium 2003 - Preservation of Electronic Records: New Knowledge and Decision-making" was held in Ottawa, Canada, from September 15 to 18, 2003 for the purpose of increasing awareness of the issues surrounding the preservation of electronic records. This book of postprints contains the complete text of all papers presented at the symposium (in the language of presentation) along with abstracts in both English and French for each. It will be useful for anyone with electronic records in their collections.

ISBN 0-662-68620-9 – 21.5 x 28 cm (8.5 x 11") – paperback, 221 pp. – 2004  
In Canada: CAN\$50 – Other countries: US\$50 – Code: 0403

### **Do you eagerly await the release of new CCI publications?**

We are pleased to provide free e-mail notification of all new releases. We will send you the title and a brief description, along with a direct link to our completely secure online Bookstore to make ordering quick and easy. To subscribe to this free service, visit the online Bookstore ([www.cci-icc.gc.ca](http://www.cci-icc.gc.ca)) to register or e-mail your request to: [cci-icc\\_publications@pch.gc.ca](mailto:cci-icc_publications@pch.gc.ca)

## CCI Notes

*CCI Notes offer practical advice about issues and questions related to the care, handling, and storage of cultural objects. Many Notes are illustrated, and some provide bibliographies as well as suggestions for contacting suppliers.*

*Format: Varies from 1 to 6 pages; 3-holed punched for insertion into a binder.*

*Note: CCI Notes are available in English, French, and Spanish.*

*English and French Notes may be purchased individually for \$2 each*

*(with quantity discounts) or as a complete set (108 Notes in a binder with CCI logo)*

*for \$97. Spanish Notes are offered only as a set (91 Notes in a binder with CCI logo) for \$85. See order form for further information.*



### Care of Collections – General Guidelines

- N1/1 Precautions for Storage Areas 2002
- N1/2 Cleaning Glass and Acrylic Display Cases 1996
- N1/3 Closing a Museum for the Winter 1988
- N1/4 Making Triwall Containers 1997
- N1/5 Applying Registration Numbers to Paintings and Sculptures 1994
- N1/6 Time Capsules 1995
- N1/7 Mercury in Museum Collections 2002

### Preventive Conservation

- N2/1 Ultraviolet Filters 1994
- N2/2 Daylite Fluoro-Spray Floodlight 1988 (discontinued)
- N2/3 Track Lighting 1992
- N2/4 Environmental Monitoring Kit 1998
- N2/5 Using a Camera to Measure Light Levels 1992 (discontinued)
- N2/6 Fire Protection Issues for Historic Buildings 1998
- N2/7 Museum Fires and Losses 1998
- N2/8 Automatic Sprinkler Systems for Museums 1998

### The Museum Environment – Biological Factors

- N3/1 Preventing Infestations: Control Strategies and Detection Methods 1996
- N3/2 Detecting Infestations: Facility Inspection Procedure and Checklist 1996
- N3/3 Controlling Insect Pests with Low Temperature 1997
- N3/4 Psocids or "Book Lice": A Warning of Dampness 1998

### Archaeological and Field Conservation

- N4/1 Identifying Archaeological Metal 2002
- N4/2 Vacuum Freeze-drying Archaeological Artifacts 2002
- N4/3 Conservation of Wet Faunal Remains: Bone, Antler, and Ivory 2002

### Ceramics and Glass

- N5/1 Care of Ceramics and Glass 1997

### Ethnographic Materials

- N6/1 Care of Ivory, Bone, Horn and Antler 1988
- N6/2 Care of Basketry 1988
- N6/3 Care of Canoes, Kayaks and Umiaks 1989
- N6/4 Care of Objects Decorated with Glass Beads 1994
- N6/5 Care of Quillwork 1991
- N6/6 A Replication Technique for Damaged Basketry 1989
- N6/7 Totem Poles Displayed Indoors 2002
- N6/8 Totem Poles Displayed Outside 2002

### Furniture and Wooden Objects

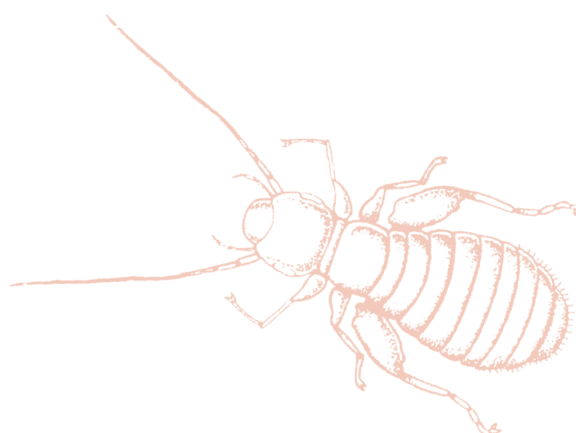
- N7/1 Care and Cleaning of Unfinished Wood 2002
- N7/2 Care of Furniture Finishes 2002

### Leather, Skin, and Fur

- N8/1 Removing Mould from Leather 1993
- N8/2 Care of Alum, Vegetable, and Mineral Tanned Leather 1992
- N8/3 Care of Mounted Specimens and Pelts 1988
- N8/4 Care of Rawhide and Semi-Tanned Leather 1992

### Metals

- N9/1 Recognizing Active Corrosion 1997
- N9/2 Storage of Metals 1995
- N9/3 The Cleaning, Polishing and Protective Waxing of Brass and Copper 1988
- N9/4 Basic Care of Coins, Medals and Medallion Art 1997
- N9/5 Tannic Acid Treatment 1997
- N9/6 Care and Cleaning of Iron 1995
- N9/7 Silver – Care and Tarnish Removal 1997
- N9/8 Mechanical Removal of Rust from Machined Ferrous Surfaces 1996
- N9/9 Care of Objects Made of Zinc 2002





## Paintings and Polychrome Sculptures

- N10/1 Cleaning Paintings: Precautions 1995
- N10/2 Making Padded Blocks 1995
- N10/3 Storage and Display Guidelines for Paintings 1993
- N10/4 Environmental and Display Guidelines for Paintings 1993
- N10/5 Emergency Treatment of Water-Damaged Paintings on Canvas 1997
- N10/6 Condition Reporting – Paintings. Part I: Introduction 1993
- N10/7 Condition Reporting – Paintings. Part II: Examination Techniques and a Checklist 1993
- N10/8 Framing a Painting 1993
- N10/9 Keying Out of Paintings 1993
- N10/10 Backing Boards for Paintings on Canvas 1993
- N10/11 Condition Reporting – Paintings. Part III: Glossary of Terms 1994
- N10/12 Removing a Painting from its Frame 1993
- N10/13 Basic Handling of Paintings 1993
- N10/14 Care of Paintings on Ivory, Metal, and Glass 1993
- N10/15 Paintings: Considerations Prior to Travel 1993
- N10/16 Wrapping a Painting 1998
- N10/17 Know Your Paintings – Structure, Materials, and Aspects of Deterioration 2002

## Paper and Books

- N11/1 Making Protective Enclosures for Books and Paper Artifacts 1996
- N11/2 Storing Works on Paper 1995
- N11/3 Glazing Materials for Framing Works on Paper 1996
- N11/4 Wheat Starch Paste 1993
- N11/5 Matting Works on Paper 1997
- N11/6 Removing Paper Artifacts from Their Frames 1993
- N11/7 Basic Care of Books 1995
- N11/8 Display Methods for Books 1994
- N11/9 Framing Works of Art on Paper 1995
- N11/10 Encapsulation 1995

## Stone and Plaster

- N12/1 Care of Argillite 1992
- N12/2 Care of Objects Made of Plaster of Paris 2002

## Textiles and Fibres

- N13/1 Textiles and the Environment 1992
- N13/2 Flat Storage for Textiles 1993
- N13/3 Rolled Storage for Textiles 1993
- N13/4 Velcro Support System for Textiles 1996
- N13/5 Hanging Storage for Costumes 1994
- N13/6 Mounting Small, Light, Flat Textiles 1995
- N13/7 Washing Non-coloured Textiles 1993
- N13/8 Applying Accession Numbers to Textiles 1994

- N13/9 Anionic Detergent 1992
- N13/10 Stitches Used in Textile Conservation 1995
- N13/11 Natural Fibres 1996
- N13/12 Storage for Costume Accessories 1994
- N13/13 Commercial Dry Cleaning of Museum Textiles 1995
- N13/14 Testing for Colourfastness 1996
- N13/15 Mould Growth on Textiles 1996

## Planning for Disaster Management

- N14/1 Emergency Preparedness for Cultural Institutions: Introduction 1995
- N14/2 Emergency Preparedness for Cultural Institutions: Identifying and Reducing Hazards 1995

## Modern Materials and Industrial Collections

- N15/1 Care of Objects Made from Rubber and Plastic 1997
- N15/2 Care of Machinery Artifacts Displayed or Stored Outside 1993
- N15/3 Display and Storage of Museum Objects Containing Cellulose Nitrate 1994
- N15/4 Indoor Display of Industrial Collections 1998
- N15/5 Lubrication for Industrial Collections 2002
- N15/6 Trade Literature for Industrial Collections 2002
- N15/7 Rubber Components in Industrial Collections 2002

## Care of Photographic Materials

- N16/1 Care of Encased Photographic Images 1995
- N16/2 Care of Black-and-White Photographic Glass Plate Negatives 1995
- N16/3 Care of Black-and-White Photographic Negatives on Film 1996
- N16/4 Care of Black-and-White Photographic Prints 1996
- N16/5 Care of Colour Photographic Materials 1996
- N16/6 Processing Contemporary Black-and-White Photographic Films and Papers 1996

## Spot Tests in Conservation

- N17/1 The Beilstein Test: Screening Organic and Polymeric Materials for the Presence of Chlorine, with Examples of Products Tested 1993
- N17/2 The Diphenylamine Spot Test for Cellulose Nitrate in Museum Objects 1994

## Conservation Equipment

- N18/1 An Inexpensive and Simple Tacking Iron 1995
- N18/2 Making a Mini Vacuum Cleaner 1993
- N18/3 Construction of a “Soft” Profile Gauge 1997

# Preserving my Heritage




The Canadian Conservation Institute launched a new Web site — “Preserving my Heritage” — in 2002. Aimed at helping you care for and preserve your family treasures, heirlooms, and works of art, the site also provides an introduction to the fascinating world of heritage conservation and the work carried out by the Canadian Conservation Institute.

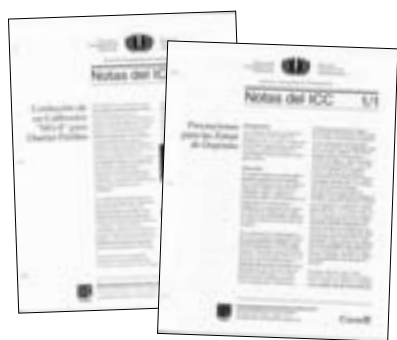
Visit us at: [www.preservation.gc.ca](http://www.preservation.gc.ca)

## Notas del ICC



CCI is pleased to provide 91 (of the 108) CCI Notes in Spanish. The translation was done by the Centro Nacional de Conservación y Restauración (CNCR) in Santiago, Chile, under the auspices of a Memorandum of Understanding with CCI and with funding from the Fundación Andes. Clients in Central and South America and the Caribbean can obtain Notas del ICC directly from CNCR. All other clients can order the set from CCI.

ISSN 0717-3601  
21.5 x 28 cm (8.5 x 11")  
3-hole punched and  
inserted into binder  
1999  
In Canada: CAN\$85  
Other countries: US\$85  
Code: 0103



## CCI Notes Updates

Did you purchase your CCI Notes prior to 1996? If so, your collection may not be complete. The following special packages will bring you up to date with the latest issues.

### 1996 package

includes 14 new  
and revised CCI Notes  
In Canada: CAN\$24.50  
Other countries: US\$24.50  
Code 9601

### 1998 package

includes 7 new  
and revised CCI Notes  
In Canada: CAN\$12.00  
Other countries: US\$12.00  
Code 9806

### 1997 package

includes 11 new  
and revised CCI Notes  
In Canada: CAN\$19.25  
Other countries: US\$19.25  
Code 9706

### 2002 package

includes 15 new  
and revised CCI Notes  
In Canada: CAN\$22.50  
Other countries: US\$22.50  
Code 0201

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Purchase all **4 packages**  
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Other countries: US\$55  
Code 0202

## The Online Bookstore

The online Bookstore has been updated to serve you even better. The personal account feature makes placing orders faster and easier than ever before. Your personal account also allows you to view the status of your current order as well as your order history, and provides an option to receive e-mail announcements of all new CCI publications.

Why not place your next order online? Visit the CCI Web site ([www.cci-icc.gc.ca](http://www.cci-icc.gc.ca)), click on The Bookstore, and let the simple instructions guide you through the process of setting up your personal account and placing your order. You can use your VISA, MasterCard, or American Express with confidence on this completely secure site, or you can provide payment information by telephone or other means if you prefer.

We believe you will be very pleased with this convenient way to order CCI publications and products.

## Technical Bulletins

*Technical Bulletins are published as a means of disseminating information on current techniques and principles of conservation of use to curators and conservators of cultural artifacts. They provide detailed information of a specialized technical nature about selected conservation and care-of-collections topics. The Technical Bulletins are illustrated, and include bibliographies in addition to suggestions for contacting suppliers.*

*Format: All Technical Bulletins measure 21.5 x 28 cm (8.5 x 11") and have b/w illustrations.*

*Note: TBs 1, 2, 3, 5, 6, 7, 8, and 9 are out of print; TBs 4, 12, 14, and 16 are bilingual English/French in recto/verso format; all other TBs are available in English and in French.*



### **TB #4 The Care of Musical Instruments in Canadian Collections**

by R.L. Barclay

Guidelines for looking after a musical instrument collection from the acquisition of the items right through to their cleaning, care, and maintenance are presented, and attention is given to complete and thorough documentation and to the problems of display and storage.

ISBN 0-662-50412-7  
paperback, 18 pp.  
1982  
In Canada: CAN\$6  
Other countries: US\$6  
Code: 8201  
(includes French version)



### **TB #10 Silica Gel**

by Raymond H. Lafontaine

Information on the use of silica gel, how it controls RH, and how it is conditioned for use and maintained, is presented. Specific topics dealt with include: the problems of display case leakage, how silica gel fulfills the requirements of a humidity buffering agent, and the maintenance of a silica gel buffered display case.

ISBN 0-662-53370-4  
paperback, 17 pp.  
1984  
In Canada: CAN\$6  
Other countries: US\$6  
Code: 8401



### **TB #11 Dry Methods for Surface Cleaning Paper**

by Janet Cowan and Sherry Guild

This bulletin is a practical instruction guide for those responsible for the care and preservation of collections of works on paper. The problems caused by dirt are described, as are potential difficulties arising from the nature and/or condition of paper artifacts. Cleaning materials and techniques are discussed, and suggestions are made regarding specific types of works of art and archival material.

ISBN 0-662-30077-7  
paperback, 12 pp.  
Revised 2001  
In Canada: CAN\$10  
Other countries: US\$10  
Code: 0104



### **TB #12 Controlling Museum Fungal Problems**

by Thomas J.K. Strang and John E. Dawson

Fungi can seriously damage artifacts in museums and archives. This bulletin provides guidance on identifying a fungal problem, fungal problems in wood outdoors, and controlling fungi.

ISBN 0-662-54950-3  
paperback, 8 pp.  
1991  
In Canada: CAN\$6  
Other countries: US\$6  
Code: 9101  
(includes French version)

## TECHNICAL BULLETINS



### TB #13 Controlling Vertebrate Pests in Museums

by Thomas J.K. Strang  
and John E. Dawson

When vertebrate animals, particularly rodents, gain access to museum collections, they can soil or destroy artifacts. Prompt identification of the pest and the use of suitable methods to control it are essential. In most cases, nonchemical methods can be used to control vertebrate pests in museums; chemical methods are also discussed.

ISBN 0-662-54951-1  
paperback, 9 pp.  
1991  
In Canada: CAN\$6  
Other countries: US\$6  
Code: 9102



### TB #14 Working with Polyethylene Foam and Fluted Plastic Sheet

by Carl Schlichting

Polyethylene foams and fluted plastic sheet have become widely used in museums for artifact support and storage purposes. This bulletin discusses several techniques and illustrates a series of basic approaches that have been developed for working with these materials. The many detailed illustrations clarify for the reader the fabrication methods described in the text.

ISBN 0-662-61042-3  
paperback, 19 pp.  
1994  
In Canada: CAN\$10  
Other countries: US\$10  
Code: 9401  
(includes French version)

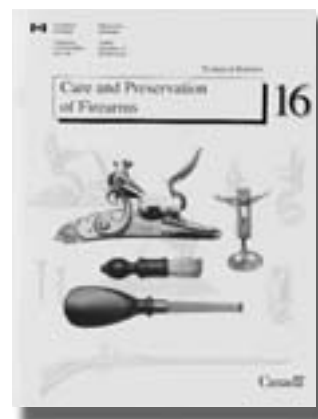


### TB #15 Solving Museum Insect Problems: Chemical Control

by John E. Dawson, revised  
by Thomas J.K. Strang

Insect infestations can severely damage museum collections and buildings. This bulletin is intended to help museum staff understand commercial pest control operations. It describes chemical methods of controlling insects, and includes information on regulations, modes of action, and application methods necessary for the safe use of insecticides. A detailed guide helps in decision-making about the appropriate chemical method of control.

ISBN 0-662-28311-2  
paperback, 28 pp.  
Reprinted 2000  
In Canada: CAN\$15  
Other countries: US\$15  
Code: 9201



### TB #16 Care and Preservation of Firearms

by Philip R. White

This bulletin offers guidelines on the care of firearms to curators, conservators, and others. Topics covered include deterioration, examination, handling, conservation, and storage of firearms. A glossary is included as well as a bibliography for further research on the subject.

ISBN 0-662-61515-8  
paperback, 12 pp.  
1995  
In Canada: CAN\$10  
Other countries: US\$10  
Code: 9501  
(includes French version)







### **TB #17 Threaded Fasteners in Metal Artifacts**

by George Prytulak

In the course of cleaning or restoring historical artifacts, it is often necessary to tighten, loosen, or remove threaded fasteners. The fasteners are often permanently damaged or lost in the process due to the use of improper tools and techniques. This bulletin offers practical guidelines for the removal, cleaning, documentation, and reinstallation of threaded fasteners in metal artifacts.

ISBN 0-660-16950-9  
paperback, 12 pp.  
1997  
In Canada: CAN\$10  
Other countries: US\$10  
Code: 9701



### **TB #18 Fire Prevention Programs for Museums**

by Paul Baril

Fire damages and destroys museum collections every year. This bulletin will help museums develop and implement effective fire prevention programs. The basic elements of a fire prevention program are discussed, as well as the administration of the program. Numerous examples are provided to help museum staff prepare documents and procedures.

ISBN 0-660-16968-1  
paperback, 12 pp.  
1997  
In Canada: CAN\$10  
Other countries: US\$10  
Code: 9702

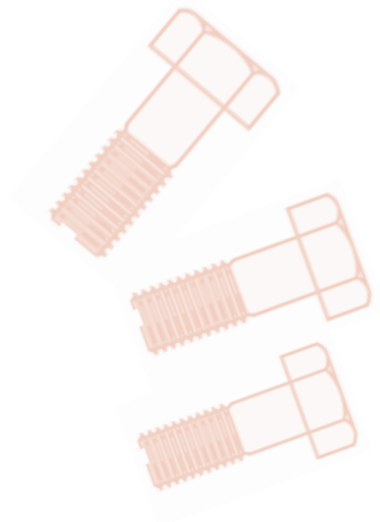
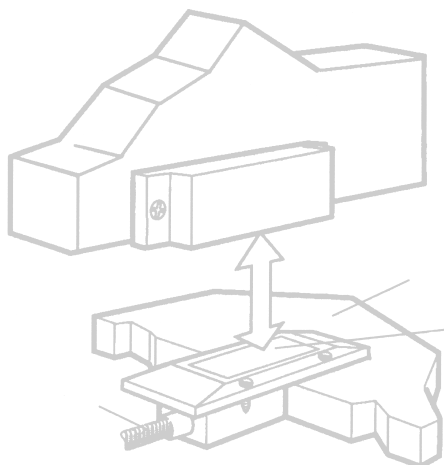


### **TB #19 Security Hardware and Security System Planning for Museums**

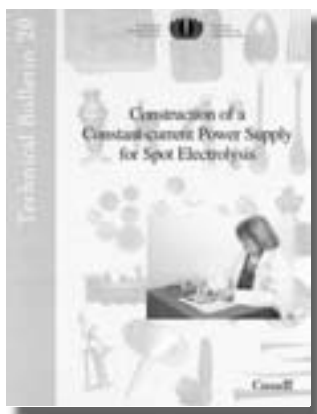
by Wayne Kelly

Theft and vandalism of our cultural heritage is escalating every year. This bulletin will help cultural institutions with their preparations against these threats. Numerous, inexpensive methods of improving security and various types of currently available sensors and computerized alarm systems are illustrated and described. Several kinds of sensors and their placement within a standardized level of protection proposed for each area in a cultural facility are also recommended.

ISBN 0-660-17257-7  
paperback, 16 pp.  
1998  
In Canada: CAN\$10  
Other countries: US\$10  
Code: 9801



## TECHNICAL BULLETINS



### TB #20 Construction of a Constant-current Power Supply for Spot Electrolysis

by Stephen Roberts

Electrolytic reduction has been used to treat corroded metal objects for some time, and a number of articles have been published on the theory and techniques of electrolysis. This bulletin provides a schematic diagram and detailed instructions to build a small, inexpensive spot electrolysis device that controls the current. The device described is a direct-current power supply with a current-limiting control, and has a maximum supply of approximately 120 mA. This device can be used to treat small areas of corrosion on furniture hardware and plated metals, and will be useful in treating composite artifacts and metal archaeological finds.

ISBN 0-662-27651-5  
paperback, 10 pp.  
1999  
In Canada: CAN\$10  
Other countries: US\$10  
Code: 9901



### TB #21 Coatings for Display and Storage in Museums

by Jean Tétreault

Coatings such as paints and varnishes are often used in museums for aesthetic reasons as well as for the protection of buildings and display cases, cabinets, or transportation cases. This bulletin will alert architects, designers, contractors, fabricators, project managers, and museum staff to the damage that coatings might cause to objects, and provide guidelines for the selection of coatings that will help minimize this risk. A list of coatings is provided for many different situations and, when possible, alternative materials and procedures are given. Recommendations are based on the various classes of coatings and resins; trade names are not specified because there is a large variety of coatings on the market and their formulations may change in the future. Tests that will verify coating specifications or monitor the emission of volatile compounds are described, and information on substrate surface preparation is also provided.

ISBN 0-662-27955-7  
paperback, 46 pp.  
1999  
In Canada: CAN\$20  
Other countries: US\$20  
Code: 9902



### TB #22 The Stability of Photocopied and Laser-printed Documents and Images: General Guidelines

by David Grattan

This bulletin reviews the technology of photocopiers and laser printers, and discusses the stability and preservation of copies. The conclusion is that black-and-white copies (i.e. those using carbon-based toner) on alkaline paper form very stable records, but colour photocopies do not. A full-sheet test for assessing the adhesion of toner to paper is described, and the results of testing papers according to the American Society for Testing and Materials (ASTM) standard for permanency of copy paper are given. The bulletin also includes a list of preservation concerns that will be useful to those responsible for the care of photocopied documents, and a number of current technical references that discuss the topic in more depth.

ISBN 0-662-28503-4  
paperback, 8 pp.  
2000  
In Canada: CAN\$6  
Other countries: US\$6  
Code: 0003



### TB #23 Guidelines for Humidity and Temperature in Canadian Archives

by Stefan Michalski

This bulletin discusses temperature and humidity recommendations for archives, and explains how and why they have changed. It also provides practical strategies and straightforward advice to help you meet these new guidelines and protect your collections. Although aimed primarily at those in cold-weather climates, the information is applicable to all archives.

ISBN 0-662-29509-9  
paperback, 20 pp.  
2000  
In Canada: CAN\$15  
Other countries: US\$15  
Code: 0101

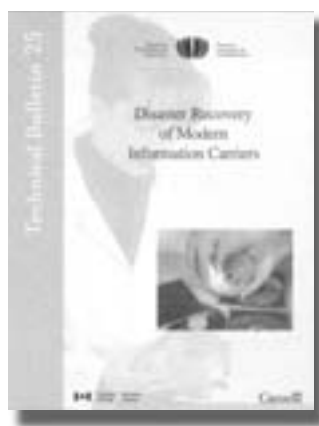


### **TB #24 Water Quality for Treatment of Paper and Textiles**

by Season Tse

The installation of water purification systems in conservation treatment laboratories has become standard practice in recent years. Choosing a suitable system within a given budget requires knowledge of the way the systems work, the factors that influence the quality of water, and the water quality requirements for treatment. This bulletin provides basic information about water purification methods, and guidelines for water quality requirements for treatment of paper and textile artifacts.

ISBN 0-662-30078-5  
paperback, 12 pp.  
2001  
In Canada: CAN\$10  
Other countries: US\$10  
Code: 0102



### **TB #25 Disaster Recovery of Modern Information Carriers: Compact Discs, Magnetic Tapes, and Magnetic Disks**

by Joe Iraci

This bulletin summarizes some procedures for the disaster recovery of modern information carriers such as CDs, magnetic diskettes, and magnetic tapes following immersion in tap water, seawater, and dirty water. Procedures are also given for dealing with media that have hard-to-remove deposits on them or have been exposed to heat, dust/dirt, mould, and shock. These procedures are a compilation of information from the few case histories published, recommendations made by experts in the field, and research performed at the Canadian Conservation Institute. The information in this bulletin represents one piece of a comprehensive disaster plan; for disasters to be handled effectively, other key elements such as those dealing with disaster preparedness also need to be in place.

ISBN 0-662-33031-5  
paperback, 15 pp.  
2002  
In Canada: CAN\$10  
Other countries: US\$10  
Code: 0203

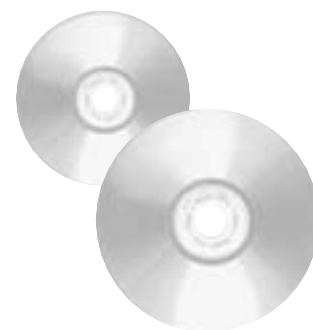


### **TB #26 Mould Prevention and Collection Recovery: Guidelines for Heritage Collections**

by Sherry Guild  
and Maureen MacDonald

Mould infestation in heritage collections can damage artifacts and may pose a health risk to individuals who work with these collections. This bulletin presents information on mould morphology, prevention of mould growth, actions to take should mould occur, and health effects relating to mould exposure. It informs the reader how to remove mould growth from artifacts and it describes the appropriate personal protective equipment to wear when working in a mould-contaminated environment or when working with mould-infested artifacts.

ISBN 0-662-35932-1  
paperback, 35 pp.  
2004  
In Canada: CAN\$20  
Other countries: US\$20  
Code: 0301



## Symposia and Colloquia Publications

The Canadian Conservation Institute organizes symposia and colloquia on topics of interest to the conservation and preservation community. The following publications and products from previous symposia and colloquia are currently available.



### **Saving the Twentieth Century: The Conservation of Modern Materials**

*Proceedings of Symposium 91*  
edited by David W. Grattan

The 36 papers presented at this symposium (Ottawa, September 1991) focussed on modern materials in collections, conservation policies and plans, the history of technology, processes of deterioration, and case studies about specific problems. The authors include experts in science and technology, as well as many museum and archives professionals.

ISBN 0-660-57854-9  
17 x 23.5 cm (6.75 x 9.25")  
paperback, 440 pp.  
1993  
In Canada: CAN\$40  
Other countries: US\$40  
Code: 9301

### **VARNISHES** Authenticity and Permanence

### **Varnishes: Authenticity and Permanence**

*Colloquium and Workshop,*  
September 1994

The 13 papers presented at this colloquium covered a wide range of issues concerning the varnishing of oil paintings. The colloquium was followed by a practical, two-day workshop.

*Abstracts - colloquium*  
paperback, spiral bound, 14 pp.  
also incorporates French version  
21.5 x 28 cm (8.5 x 11")  
In Canada: CAN\$7  
Other countries: US\$7  
Code: 9402

*Workshop Handbook*  
prepared by Dr. Leslie Carlyle  
and James Bourdeau  
21.5 x 28 cm (8.5 x 11")  
64 pp. + appendices  
In Canada: CAN\$20  
Other countries: US\$20  
Code: 9404



### **Fabric of an Exhibition: An Interdisciplinary Approach - Preprints**

*Preprints of Textile Symposium 97*  
various authors

The 26 papers presented at this symposium (Ottawa, September 1997) covered topics ranging from contemporary exhibits to long-term displays, exhibition environments, historic houses, travelling exhibits, support and presentation, and expanding professional roles. Also included is information related to the eight demonstrations and 10 posters that were part of the symposium.

ISBN 0-660-60261-X  
21.5 x 28 cm (8.5 x 11")  
paperback, 206 pp.  
1997  
In Canada: CAN\$40  
Other countries: US\$40  
Code: 9703



### **The Conservation of Heritage Interiors - Preprints**

*Preprints of Symposium 2000*  
various authors

This book contains the complete text of all papers presented at Symposium 2000 (in the language of presentation) and includes an abstract in English and French for each. The order of papers follows the program of the conference: 1) The Preparation: Conservation Assessment; 2) Project Planning: Teams and Partners; 3) Treatment Approaches: Walls and Ceilings; 4) Treatment Approaches: Wallpaper; 5) Treatment Approaches: Furniture and Textiles; 6) Treatment Approaches: Paintings and General; 7) The Interior Environment; and 8) Panel Discussion: The New Orleans Charter. Also included are abstracts (in both English and French) for all posters and demonstrations at the symposium.

ISBN 0-660-18147-9  
21.5 x 28 cm (8.5 x 11")  
paperback, 214 pp.  
2000  
In Canada: CAN\$40  
Other countries: US\$40  
Code: 0001





CCI is pleased to be the distributor for:

**Looking at Paper: Evidence and Interpretation Symposium Proceedings Postprints**

The Looking at Paper symposium in Toronto (1999) brought together paper historians, conservators, scholars, and curators to present recent research on the examination of paper and the interpretation of its evidence. The 26 papers collected in this book cover papermaking technologies, analytical techniques, research methodologies, and case histories, and will be of interest to anyone working with paper-based collections. Edited transcripts of two of the post-conference workshops focussing on examination of western and oriental papers are also included.

ISBN 0-660-18571-7  
21 x 30 cm (8.25 x 11.75")  
paperback, 262 pp.  
110 illustrations  
2000  
In Canada: CAN\$50  
Other countries: US\$50  
Code: 0002



**Preservation of Electronic Records: New Knowledge and Decision-making — Postprints**

*Postprints of Symposium 2003*  
various authors

"Symposium 2003 - Preservation of Electronic Records: New Knowledge and Decision-making" was held in Ottawa, Canada, from September 15 to 18, 2003 for the purpose of increasing awareness of the issues surrounding the preservation of electronic records. This book of postprints contains the complete text of all papers presented at the symposium (in the language of presentation) along with abstracts in both English and French for each. It will be useful for anyone with electronic records in their collections.

ISBN 0-662-68620-9  
21.5 x 28 cm (8.5 x 11")  
paperback, 221 pp.  
2004  
In Canada: CAN\$50  
Other countries: US\$50  
Code: 0403

## Preventive Conservation and the Care of Collections

*The Canadian Conservation Institute offers a range of materials for professional use in the field or laboratory.*

**Preventive Conservation in Museums: Video Handbook**

co-produced by the Centre de conservation du Québec, the Canadian Conservation Institute, and the Université du Québec à Montréal



This manual complements the 19-video series on preventive conservation. Each chapter is the script of one of the videos. Subjects include an introduction to preventive conservation, storage, the condition report, relative humidity and temperature, the care of textiles, protecting objects on exhibit, emergency and disaster planning, and closing a seasonal museum.

ISBN 2-921942-01-1  
20 x 11 cm (8 x 4.25")  
paperback, spiral-bound, 145 pp.  
1995  
In Canada: CAN\$15  
Other countries: US\$15  
Code: 9502

Videos sold by:  
Université du Québec à Montréal  
Audiovisual Department  
Production Services  
Box 8888, Station Centre-Ville  
Montreal QC H3C 3P8  
Tel.: (514) 987-6105

**Framework for the Preservation of Museum Collections Wall Chart**

In an easy-to-use matrix format, this wall chart outlines various methods that can be used to avoid or control potential deterioration of museum objects. The rows list nine agents of deterioration (direct physical forces: thieves, vandals, displacers; fire; water; pests; contaminants; radiation; incorrect temperature and incorrect relative humidity), while the columns present three different levels at which the agents of deterioration can be controlled. The procedures column outlines actions that can be taken.

Framework Wall Chart:  
dimensions: 66 x 92 cm (26 x 36.25")

*English/French version*

Unlaminated  
In Canada: CAN\$20  
Other countries: US\$20  
Code: 9405

Laminated version  
In Canada: CAN\$45  
Other countries: US\$45  
Code: 9405L

*Spanish/English version*  
on Yupo synthetic paper

In Canada: CAN\$25  
Other countries: US\$25  
Code: 9803

As an added service to clients, an electronic version of this framework is available on CCI's Web site ([www.cci-icc.gc.ca](http://www.cci-icc.gc.ca)).



### **The Care of Historic Musical Instruments**

edited by Robert L. Barclay

This book provides thorough and expert guidance on the care of historic musical instrument collections, ethics and the use of instruments, materials, basic conservation treatments, maintenance strategies, and documentation. It was written by seven international specialists in the care and preservation of musical instruments. A bibliography and resources list are also included.

Co-published with the Museums & Galleries Commission (U.K.) and CIMCIM, ICOM's Musical Instrument Museum and Collections International Committee, with financial assistance from the John S. Cohen Foundation.

ISBN 0-660-17116-3  
15.5 x 24.75 cm (6.125 x 9.75")  
paperback, 145 pp.  
illustrated  
1997  
In Canada: CAN\$36  
Other countries: US\$36  
Code: 9705



### **Mount-making for Museum Objects, Second Edition**

by Robert Barclay, André Bergeron, and Carole Dignard

This second edition provides up-to-date advice, ideas, and technical information on the mounting of museum objects for conservators, display technicians, designers, and other museum workers. Topics covered include reasons for supporting objects with mounts, recommended stable materials, tips on the choice of materials and their working properties, and methods for measuring artifacts. Objects with custom-made mounts are illustrated with photographs and line drawings, accompanied by a full description of each mount, the materials and tools used to make it, and the way it was made. A bibliography is also included. New in this second edition are technical updates on recommended materials, further information on mount design, full descriptions of three additional custom-made mounts, and more pictures of good mounts.

ISBN 0-660-18843-0  
21.5 x 23 cm (8.5 x 9")  
paperback, 74 pp.  
2002  
In Canada: CAN\$40  
Other countries: US\$40  
Code: 0204



### **Airborne Pollutants in Museums, Galleries, and Archives: Risk Assessment, Control Strategies, and Preservation Management**

by Jean Tétrault

This book attempts to define the key airborne pollutants for indoor museum environments and provide some basic tools to assess the risk to collections exposed to these pollutants. It also establishes guidelines for control strategies that give flexible, pragmatic solutions and provides a simple tool for cost-benefit analyses that can fulfil the principles and policy of individual museums. It will be an ideal reference for anyone (e.g. museum directors, building and collection managers, conservation professionals, material scientists, exhibit designers, HVAC engineers, indoor air consultants, and architects) involved in making decisions regarding the preservation of collections.

ISBN 0-662-34059-0  
21.5 x 28 cm (8.5 x 11")  
paperback, 168 pp.  
2003  
In Canada: CAN\$50  
Other countries: US\$50  
Code: 0401



### **The Gentle Art of Applied Pressure**

by Robert Barclay, Carole Dignard, and Carl Schlichting

Conservation treatments often involve setting parts of an object in position and applying pressure to them in a gentle and controlled manner. The clamping solutions that have been devised for this purpose are as varied as the practitioners themselves. Yet the art of applying pressure still remains a relatively unexplored topic in the conservation literature. This publication addresses the subject with numerous examples of pressure application devices and procedures drawn from the wide experience of the authors and their colleagues in the museum profession. Illustrated with 81 line drawings and photographs, this book will be a useful resource for anyone undertaking conservation treatments that require joining things together or reshaping them.

ISBN 0-662-36161-X  
21.5 x 23 cm (8.5 x 9")  
paperback, 44 pp.  
2004  
In Canada: CAN\$26  
Other countries: US\$26  
Code: 0402



**NEW!**

**Metals and Corrosion:  
A Handbook for  
the Conservation  
Professional**

by Lyndsie Selwyn

This book discusses the chemical and physical characteristics and the corrosion products of nine common metals: aluminum, copper, gold, iron, lead, nickel, silver, tin, and zinc. It answers questions about these metals and their corrosion problems indoors, outdoors, and in archaeological settings, and is intended as a reference for conservators and conservation scientists: a place to refresh their memory, get started reading the literature, or look up alloys, plating combinations, and particular corrosion problems encountered with metals in museums. It will be an ideal tool for all heritage professionals who survey, care for, or treat metals, or who come across metals during the course of their work.

ISBN 0-662-37984-5  
21.5 x 28 cm (8.5 x 11")  
paperback, 223 pp.  
2004  
In Canada: CAN\$65  
Other countries: US\$65  
Code: 0404



**The Preservation  
and Use of Historic  
Musical Instruments**

by Robert Barclay

The conservation of historic musical instruments can create tension between those who favour their restoration to playing state and those who argue for non-functioning preservation. In this book, the author attempts to reduce the polarity of these views by dissecting the rationales that underlie and drive them. Using detailed case studies from North America and Europe, he offers a fascinating insight into historic musical instruments and paves the way for a balanced and rational approach to their care and interpretation. This publication is an excellent reference and guide for anyone involved in the conservation of historic musical instruments.

Published by Earthscan  
in the United Kingdom  
and the United States.

ISBN 1-84404-127-8  
15.5 x 23.5 cm (6.125 x 9.125")  
paperback, 303 pp., illustrated  
2004  
In Canada: CAN\$65  
Other countries: US\$65  
Code: 0405

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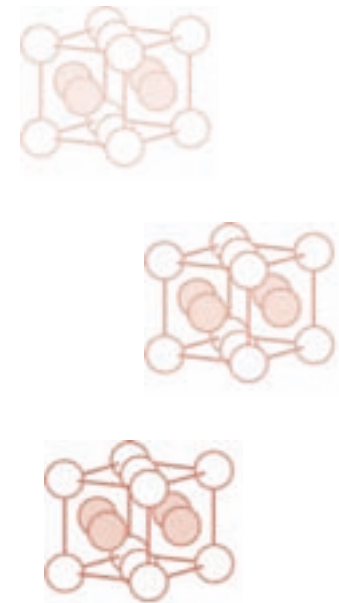
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## Research Reports and Miscellaneous Products

### Towards a Better Emulsion Adhesive for Conservation

*A Preliminary Report on the Effect of Modifiers on the Stability of a Vinyl Acetate/Ethylene (VAE) Copolymer Emulsion Adhesive*  
by Jane Down

For more than a decade, CCI has been trying to find a better PVAC adhesive for use in conservation. A study conducted from 1983 to 1994 led us in the right direction, and for the next 5 years various possibilities were explored. Although the final answer will take more time, some interesting trends and findings have surfaced. This report is a preliminary presentation of the data.

ISBN 0-660-17876-1  
21.5 x 28 cm (8.5 x 11")  
spiral-bound, 27 pp.  
2000  
In Canada: CAN\$10  
Other countries: US\$10  
Code: 0004

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### Vacuum Wash Table

Description and plans for a low-pressure vacuum wash table that was developed and built at CCI to treat a fragile, oversized textile.

21.5 x 28 cm (8.5 x 11")  
booklet  
1997  
In Canada: CAN\$20  
Other countries: US\$20  
Code: 9704

### Analysis of the Chloride Ion Concentration in Aqueous Solutions by Potentiometric Titration

by Lyndsie Selwyn

This report outlines a procedure for quantitatively determining the Cl<sup>-</sup> ion levels in treatment solutions. The method is based on the potentiometric titration of a solution containing Cl<sup>-</sup> ions with a AgNO<sub>3</sub> solution. This procedure is especially useful when studying the effectiveness of new treatment solutions for removing Cl<sup>-</sup> ions in archaeological iron. Appendix 1 provides details about the theory behind potentiometric titrations, the use of Gran's plot paper for hand-plotting the data, and the use of linear least-squares fitting procedures for computer graphing of the data. Appendix 2 describes a procedure for measuring the potential of a reference electrode using quinhydrone.

ISBN 0-660-18620-9  
21.5 x 28 cm (8.5 x 11")  
spiral-bound, 15 pp.  
2001  
In Canada: CAN\$10  
Other countries: US\$10  
Code: 0106

### Evaluation of Commercial Mass Deacidification Processes: Akzo-DEZ, Wei T'o, and FMC-MG<sub>3</sub>

Research reports of a long-term project to evaluate commercial mass deacidification processes.

#### Phase I - Naturally Aged Papers

by Helen D. Burgess, Elzbieta M. Kaminska, and Aranka Boronyak-Szaplonczay  
21.5 x 28 cm (8.5 x 11")  
spiral-bound, 53 pp.  
November 1992

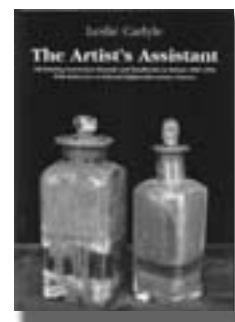
#### Phase II - New and Artificially Aged Modern Papers

by Elzbieta M. Kaminska and Helen D. Burgess  
21.5 x 28 cm (8.5 x 11")  
spiral-bound, 38 pp.  
April 1994

#### Phase III - Evaluation of Media, Bindings and Special Paper Types

by Season Tse, Sherry Guild, Anne-Laurence Dupont, and Helen D. Burgess  
21.5 x 28 cm (8.5 x 11")  
spiral-bound, 141 pp.  
November 1994

In Canada: CAN\$28  
Other countries: US\$28  
Code: 0105  
(includes Phase I, Phase II, and Phase III)



**The Artist's Assistant**  
Oil Painting Instruction  
Manuals and Handbooks  
in Britain 1800-1900  
With Reference to Selected  
Eighteenth-century Sources  
by Leslie Carlyle

From her meticulously researched study of artists' manuals, catalogues, and trade literature produced in Britain (including some American sources), Dr. Leslie Carlyle has compiled a detailed account of oil painting materials and techniques in use between 1750 and 1900. Methods of painting and paint application are described and recipes for varnishes, vehicles, paint mediums, and grounds have been compared and tabulated. The 'artistic' properties of pigments, their working qualities, drying times, and cautionary notes on their use have been included in an extensive appendix.

Published by Archetype  
Publications, London, UK.

ISBN 1-873132-16-6  
22 x 30.5 cm (8.5 x 12")  
hardcover, 589 pp.  
illustrated  
2001  
In Canada: CAN\$130  
Other countries: US\$130  
Code: 0205

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### Available for Free!

CCI is pleased to provide an expanded assortment of free offerings. In addition to CCI Newsletters, Annual Reports, and brochures, you can now order complimentary CCI mousepads as well as mousepads and colour posters promoting CCI's new Web site "Preserving my Heritage" ([www.preservation.gc.ca](http://www.preservation.gc.ca)). To request free items, please visit the online Bookstore or contact Publications Sales at:



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CCI educational initiatives are an essential means of sharing the results of current research and conservation practices with the heritage community, while simultaneously learning about emerging needs and concerns. CCI conservators and scientists work together to bring unique and specialized training to the field of conservation, and can deliver both general as well as highly advanced presentations. Workshops are usually two days in length and are designed to be as interactive as possible.



Descriptions of the available conservation workshops are posted on the CCI Web site ([www.cci-icc.gc.ca](http://www.cci-icc.gc.ca)) under Learning Opportunities. For more information, contact:

Learning and Development Officer  
 Canadian Conservation Institute  
 1030 Innes Road  
 Ottawa ON K1A 0M5 CANADA  
 Tel.: (613) 998-3721  
 E-mail: [cci-icc\\_edu@pch.gc.ca](mailto:cci-icc_edu@pch.gc.ca)

More information about Learning Opportunities and recent issues of the CCI Newsletter can be viewed on the CCI Web site ([www.cci-icc.gc.ca](http://www.cci-icc.gc.ca)).

CANADIAN  
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CONSERVATION

*The Canadian Conservation Institute was created in 1972 to promote the proper care and preservation of Canada's cultural heritage and to advance the practice, science, and technology of conservation. The Institute has worked closely with hundreds of museums, art galleries, academic institutions, and other heritage organizations to help them preserve their collections. As a Special Operating Agency of the Department of Canadian Heritage, CCI has widened its scope of activities and now markets its services and products around the world.*

The services available from CCI are described in a general brochure, and a series of service-specific brochures that are available individually or as part of a full information package.

- Architectural Heritage Conservation Services
- Archival/Library Materials Testing
- Conservation and Scientific Services for Archaeology
- Conservation Services for Aboriginal Cultural Centres and Collections
- Conservation Services for Industrial Collections
- Conservation Treatment and Related Services
- Exhibit Transportation Services
- Library Services
- Museum Objects: Examination and Analysis
- On-site Scientific Services
- Preventive Conservation Services

More information on CCI's services can be found on the CCI Web site ([www.cci-icc.gc.ca](http://www.cci-icc.gc.ca)) under Services.

Free copies of the brochures are available through the online Bookstore or by contacting Publications Sales at:

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