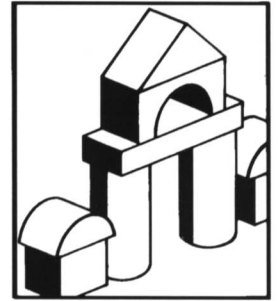

Heritage Notes

Collections

General

Directory of Supplies for Alberta Museums

Mark Hopkins and Eric Waterton



Number 6



Introduction

This directory was prepared in response to the many enquiries received by the Museum Services Programme from community museums in Alberta regarding the availability and sources of various museum materials and supplies recommended for collections care, storage, management, exhibition and security.

While the immediate incentive for the project was the expressed needs of Alberta's museum

community, another important factor was the recent release of two publications: *The ABCs of Collections Care* by Teresa Gillies and Neal Putt, published by the Manitoba Heritage Conservation Service in 1990 and updated in 1991 and the *Standard Practices Handbook for Museums* published by the Alberta Museums Association in 1990. Both of these excellent publications have led to many people in community museums in Alberta asking where materials and supplies could be acquired locally.



Alberta
COMMUNITY DEVELOPMENT

Another publication which results in enquiries regarding local suppliers is *Museum and Archival Supplies Handbook*, published by the Ontario Museum Association and the Toronto Area Archivists Group (3rd Edition, 1985).

In many ways, this directory is also an update of information made available in 1984 through the publication: *Housekeeping Our Heritage: Practical Advice for Alberta Collections*, published by the Provincial Museum of Alberta. Now long out of print, this publication, known informally as "The Red Book," included a list of suppliers of museum materials which was a valuable resource for museums at the time, but is now out of date.

The product descriptions in the directory are not intended to be a "how to" guide regarding conservation or restoration techniques. Rather, it is seen as a companion reference to be used alongside publications such as the *Standard Practices Handbook for Museums* and *The ABCs of Collections Care*.

Those who are unfamiliar with the methods and techniques involved in the use of the products described are urged to consult a museum conservator or other experienced museum professional. Care, handling and preventive conservation practices vary from one artifact to another and expert advice will ensure that proper and appropriate techniques are used.

By making available current information regarding sources of museum materials and supplies relevant especially to Alberta and western Canada, it is hoped that community museums in Alberta will be better able to carry out their responsibilities regarding the long-term care, preservation and public presentation of their collections.

More than 140 companies located in Alberta were contacted in compiling this directory. All were asked to submit a catalogue or product list and confirmation of their address. The companies which responded are the ones included in this directory.

It is understandable that directories such as this will unintentionally overlook some suppliers. If this is the case, please contact Museum Services at the address below. Periodic updates of the directory are planned. Comments, suggestions and additions are also welcome. Please contact:

Manager, Museum Services
Historic Sites and Archives Service
Alberta Culture and Multiculturalism
Old St. Stephen's College
8820 - 112 Street
Edmonton, Alberta
T6G 2P8

Telephone: (403) 431-2327
FAX: (403) 432-1376

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Many thanks are also due to all the volunteers and staff of Alberta's community museums who shared their ideas, concerns and comments in the preparation of this directory.

The Building

Maintaining a proper and secure museum environment for the collections while at the same time allowing for the effective exhibition of museum objects and providing for the health, safety and comfort of the visiting public is a challenge for museums of all sizes and budgets. The following products will assist in monitoring and controlling the museum environment.

Humidity & Temperature

Humidifier

Helps maintain adequate relative humidity. Recommended models will have a revolving drum, rheostat switch and sensor for automatic shut-off at certain humidity levels. Nortec humidifiers are especially recommended for conservation purposes.

Suppliers: appliance & furniture stores, building suppliers

Humidity Indicator Cards

A quick and inexpensive means of checking the relative humidity level in your display or

storage area. Chemically impregnated spots change colour from blue, when dry, to pink, when humid.

Suppliers: Archival Concepts, Bury Media, Conservation Resources, James Dawson Enterprises, Talas

Hygrothermographs

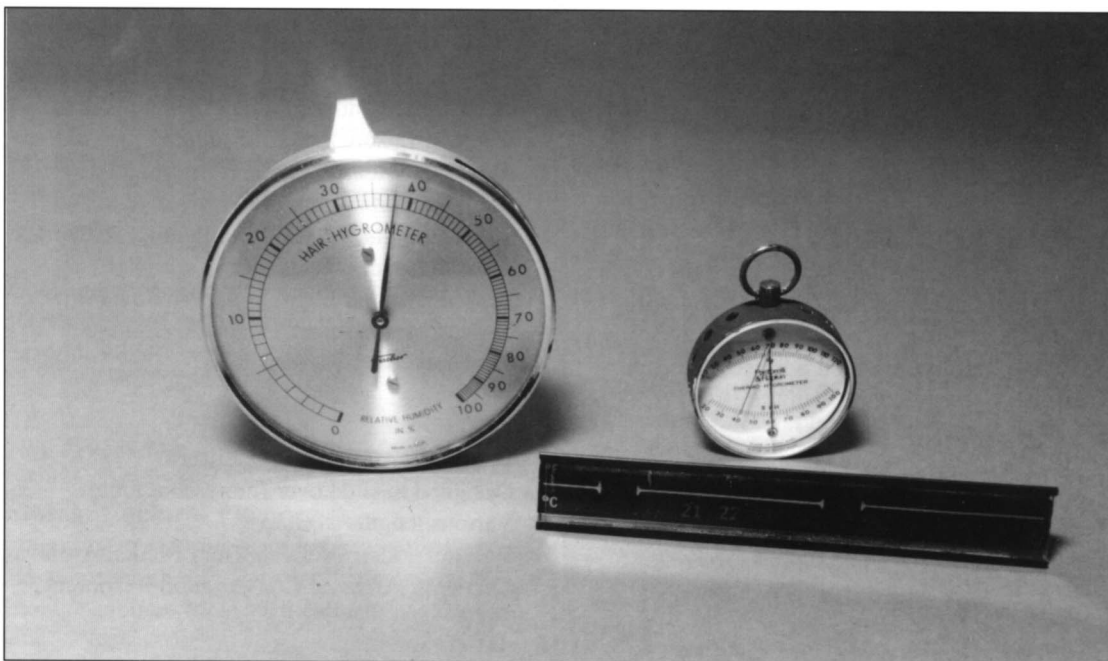
These vary from simple desk or wall instruments with limited accuracy to complex highly accurate recording devices. Recording hygrothermographs are recommended for museum use (see below).

Suppliers: Fisher Scientific, Baxter Canlab, Bury Media, Archival Concepts, Cole Parmer, Conservation Resources, Art Preservation Services, Cansel Survey

Micro-Psychrometer (Reuter-Stokes)

Microprocessor gives direct RH and dew point readings - no calculations needed. Response time is 3 minutes.

Supplier: Fisher Scientific



Novasina MS1-C

Hand held measuring instrument for precise reading of relative humidity, air temperature, surface temperature and dew point. Calibration accessories included.

Supplier: Smart Control Systems

Psychrometer

Battery powered with a fan which draws air over wet and dry bulbs. A relative humidity reading can be taken in 1-2 minutes.

Suppliers: Fisher Scientific, Cansel Survey, Cole Parmer

Sling Psychrometer

A hand held device for measuring relative humidity. Wide selection of models, features and price ranges. Limited accuracy.

Suppliers: Fisher Scientific, Baxter Canlab, Bury Media, Archival Concepts, Cole Parmer

Recording Hygrothermograph

A unit in which temperature and humidity changes are recorded on graph paper. Various models with weekly or monthly readings.

Note: Monthly readings recommended. Highly recommended for museum use.

Suppliers: Art Preservation Services, Bury Media, Archival Concepts, Fisher Scientific, Baxter Canlab, Scientific Sales, Cole Parmer

Light

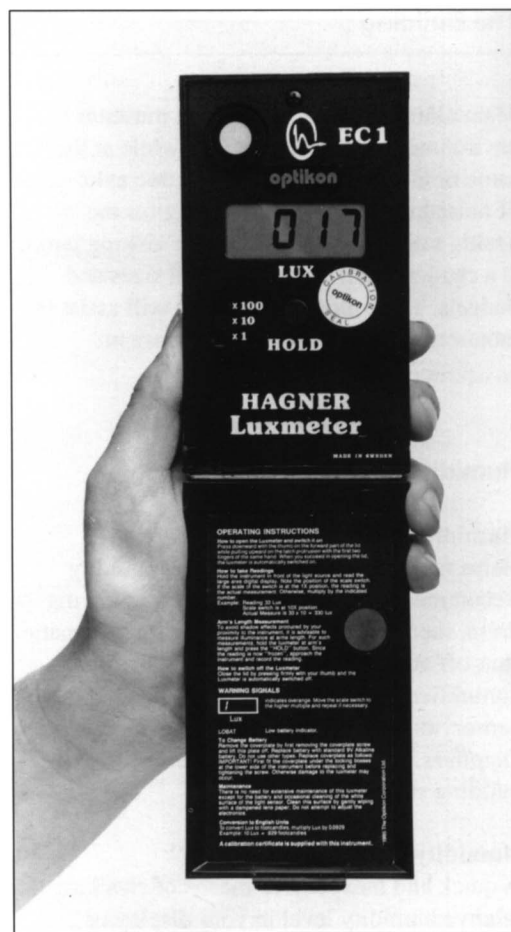
Light Meters/Photometers

Will provide critical information on light levels especially in exhibit areas. Measurements are usually in foot candles or lux.

Suppliers: Art Preservation Services, McBain Camera, Optikon, Conservation Resources, Scientific Sales, Cole Parmer

Plexiglas

See Exhibition & Display Supplies (below).



Solar Control Film

These films are designed to reduce the amount of heat, light and ultraviolet radiation entering a window. Ensure that your supplier provides a film with at least 97% U.V. filtering. Also useful on display cases. However, note that direct sunlight, even when filtered, can damage some museum objects.

Suppliers: Solar Gard, Solar Window Films, Carr McLean, Suntec Products, Archival Concepts, Bury Media, Talas

U. V. Fluorescent Light Filters

Designed to slide over fluorescent tubes. Various lengths available.

Suppliers: Carr McLean, Bury Media, Archival Concepts, Archival Conservation Resources, Talas

U.V. Meters

Measures ultraviolet radiation which lies in the invisible part of the light spectrum. Sensor makes it easy to determine the amount of radiation striking any surface.

Suppliers: Art Preservation Services, Cansel Survey, Conservation Resources, Scientific Sales

Museum Security

Theft Protection

Motion Sensors

Most hardware and home improvement centres carry a line of exterior motion sensors. These will detect motion or body heat and activate an alarm or exterior lights, providing added security at a very inexpensive price.

Security Screws and Bolts

Excellent for display cases or photomounts. The head of these screws and bolts requires a special hex wrench or screwdriver for removal. Greatly reduces the possibility of tampering.
Suppliers: HOC Hardware

Window Guards

Window guards or grilles are a basic security precaution for ground floor windows. While relatively inexpensive, they provide a real deterrent to forced entry.

Suppliers: Husky Security, Advanced Security Systems

Check under Security Control in the Yellow Pages. Most of the companies listed will also carry deadbolts, alarms etc.

Fire Prevention

Storage Cabinets, Flammable

Any museum storing flammable chemicals on the premises should use a safety designed storage cabinet. Most such cabinets are double-

walled with baked enamel finish, security locks and warning logos on the doors.

Suppliers: Pacific Warehouse, Baxter Canlab, Johns Scientific, Fisher, Cole Parmer

General Safety

Eye Wash Stations/Burn Stations

A necessary precaution when handling chemicals.

Suppliers: Fisher, Baxter Canlab, Cole Parmer, most scientific suppliers

Eyewear, Safety

Goggles, face shields, etc. are a necessary safety precaution in both the workshop and laboratory areas.

Suppliers: tool, hardware, safety & scientific suppliers

Fume Hoods

Some form of ventilation is necessary when working with chemicals, especially in closed areas. Fume hoods are also useful for drying and airing smaller items.

Suppliers: Fisher Scientific, Baxter Canlab, Johns Scientific, Cole Parmer

Neederman Fume Extractor

This fume extraction system consists of an adjustable arm attached to a fume extracting hood. The arm design allows it to be mounted on walls, ceilings, floors and workbenches. It can be connected to individual fans or a centralized system. The advantage of this system is that the fume extractor can be moved to the work location rather than working in the confined space of the conventional fume hood. This system is more practical and considerably less expensive than others.

Supplier: Ener-Tech Industries

The Collections

The collections are the core of any museum and the proper care and management of the collections is the most vital long term responsibility of the museum. The products in this section can assist museums in their collections related duties.

Artifact Numbering

Cable Ties

Sometimes known as Tyrap tags, this plastic cable is available in 4", 7" and 11" lengths with a 1/4" width. Once the end has been passed through the buckle it must be cut to be removed. Excellent for tagging large artifacts such as furniture and machinery.

Suppliers: Shippers Supply, Canadian Tire

Liquitex, Rhoplex A-33

Acrylic medium, available in gloss or matte. Used in applying paper number labels to certain types of artifacts.

Suppliers: Talas, Burlington Art, some art supply stores

Museum Storage

Cabinets, Storage

Note: Bottom shelves should be at least six inches above the floor. Shelves should be padded with ethafoam, and plastic or cotton curtains should be made for all units to protect artifacts from dust, light and water damage.

Art-Map Storage Cabinets

Horizontal filing cabinets designed for the dust proof filing and storage of large documents, photographs, prints, etc. They are usually 5-10 drawer units which are stackable. In some cases bases must be ordered separately.

Suppliers: Archival Concepts, Burlington Art, Carr McLean, Crystalizations Systems, Norman Wade, Storage Innovations Ltd., Talas, office equipment suppliers

Banner Museum Collections Storage Cabinets

feature a variety of cabinets and shelving systems. Designed with museum collections in mind. Double wall construction, baked enamel finish and insect proof seals.

Supplier: Wilcor Systems

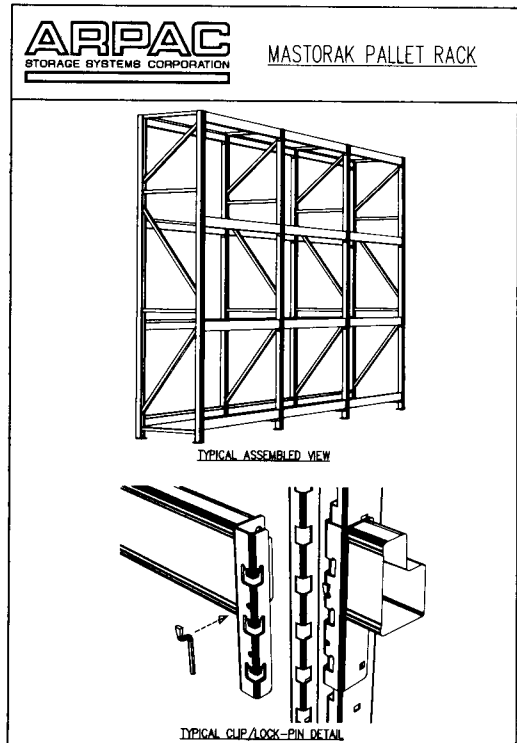
A selection of low (40") and high (72") cabinets with adjustable shelves and key locks is available from:

Suppliers: Pacific Storage, Baxter Canlab, Storage Innovations

Ikea Wardrobes "Ken", "Nils"

These units require assembly. Available in different heights and widths with fittings purchased separately. Constructed from white lacquered particle board. Good for textile storage such as uniforms, etc. Use curtains instead of purchasing the doors, as particle board requires air circulation because of the adhesives used in its manufacture.

Supplier: Ikea



Shelving Systems

Dexion

Uses a system of slotted angles fastened by nuts and bolts. Available in three sizes with the capability of multi-level storage using elevated platforms and catwalks.

Suppliers: Arpac Storage Systems, Pacific Storage

E-Z-Rect

A hand loading, boltless shelving storage system. Easily expanded with a variety of shelving lengths and widths. Can also include a hanging storage system.

Suppliers: Arpac Storage Systems, Commander Warehouse Equipment, Waymarc

Mastorack - Pallet Rack System

A heavy duty pallet storage system. Ideally suited for heavier storage problems such as engines, farm equipment, etc.

Note: A forklift will be required to use this system with heavy artifacts.

Supplier: Arpac Storage Systems

Metalware

Clip type - fully adjustable shelving. No nuts/bolts. Economical (various sizes).

Suppliers: Wilcor Systems, Western Storage Systems

Redirack

This open storage system is no longer made in Canada. However, there are compatible systems for those museums which have Redirack in place and wish to expand.

Suppliers: Pacific Storage, Storage Innovations Ltd., Wilcor Systems

Storage Systems

High Density Mobile Storage Systems

These systems are designed to maximize storage space. Shelves and cupboards run on tracks allowing access aisles to be created

wherever needed. Designed for museum or archival collections; artifacts may need special packaging to prevent damage caused by movement, vibration and shock. While the initial cost is high, these types of storage systems will sometimes outlive the buildings they are installed in.

Suppliers: Allwest (Spacesaver Systems), Carr McLean (Montel Storage Systems), Miller Office Group, Storage Innovations (Create-an-aisle), Wilcor Systems (Drummex, Denstor)

Lista Storage Wall Systems

A modular unit system which contains a number of various sizes of roll out trays and drawers. Used at the Provincial Museum of Alberta for storing coins, medals, jewellery, etc. Baked enamel on steel cabinets.

Suppliers: Wilcor Systems

Mobile Art Storage Systems

These units are designed for the storage of art collections. Panels are mounted on a system of guide rails which allows the individual panels to slide out for easy access.

Suppliers: Montel, Bury Media, Crystalizations Systems, Wilcor Systems (Drummex), Storage Innovations

Note: Crystalizations Systems also has a weapons storage system much like the art storage unit.

General Storage Supplies

Cart, Service/Utility

An essential piece of museum equipment when moving smaller artifacts within the building. Minimal physical handling keeps the risk to artifacts low.

Suppliers: Canlab, Fisher Scientific, Arpac Storage, Pacific Warehouse, Cole Parmer, Carr McLean

Hi-Core

This new product from Matraplast may be the solution to difficult storage problems. Constructed of polycarbonate, a stable and inert

plastic, Hi-Core has the strength to be used as shelving, trays and as custom built boxes. Its depth of 14.2" can be used where 4 mm Coroplast is understrength and wood products are unsuitable. Hi-Core is recommended by the Canadian Conservation Institute and is already in use in major museums.

Supplier: Laird Plastics

Stepladders

A requirement with any storage system in which artifacts are placed above 4 feet.

Suppliers: Arpac, Cole Parmer, Pacific Warehouse Equipment

Localized Environmental Controls

Activated Charcoal Cloth (ACC)

Activated Charcoal Cloth is composed of 100% activated charcoal in a textile form which allows it to be cut, sewn and bonded to other materials. This provides considerable flexibility in storage and display applications.

ACC will absorb vapours and pollutants present in the general atmosphere as well as reducing humidity. The most common application is in retarding metal corrosion, but ACC is also effective with paintings, books and papers. Available in 95 cm wide rolls or cut to size according to customer specifications.

Supplier: Charcoal Cloth Limited

Silica Gel

This is a chemical desiccant. Standard grades can absorb 40% of their weight of water. Colorless Silica Gel will show no change when saturated; Blue Silica Gel will fade to pink when saturated. Both types can be reused after drying/ conditioning.

Note: Do not place in direct contact with artifacts. Consult CCI Bulletin #10 for procedures regarding the use of Silica Gel.

Suppliers: Fisher Scientific, Bury Media,

Archival Concepts, Carr McLean, James Dawson Enterprises, Talas, most scientific suppliers

Zerust

Zerust Vapour Capsules are volatile corrosion inhibitors designed to protect metallic surfaces within an airtight enclosure against corrosion. Various models of Zerust provide a radius of protection from 1-6 ft. with up to a two year life span.

Supplier: James Dawson Enterprises Ltd.

Zerust Polyethylene Film

Once an artifact is enclosed in a Zerust bag or shroud, the film saturates the airspace with VCI molecules. Metal surfaces are continuously passivated from the effects of humidity, salt and acidic atmosphere. Available in bag and shroud film, shrink film and skin packaging film.

Supplier: James Dawson Enterprises Ltd.

Dust and Water Protection

Marvelseal 580

A barrier material that is waterproof, greaseproof and flexible. Bags can be made with a heat sealer. Structure: TYVEK/PE/FOIL/PE/EVA. Custom bags available. Standard sizes: 36" x 200 yards, 48" x 200 yards.

Supplier: James Dawson Enterprises Ltd.

Polyethylene Sheet

An inert, almost transparent sheeting. Most useful in storage areas. Cabinets and racks should be covered to prevent damage by moisture. Sold in clear and black, in various thicknesses.

Suppliers: W.W. Arcade, North West Tent & Awning, Trupak Systems, most hardware and building suppliers

Reinforced Polyethylene Sheet

Reinforced polyethylene film is a synthetic mesh reinforced material offering the same flexibility as construction grade polyethylene sheet, but with greater strength and life. Available in clear or black, and cut to your specifications.

Supplier: Cadillac Plastic

Water Detector

Sold under the name of Water Alert, this dome-shaped unit will sound an alarm if water touches its sensor. Batteries will operate the alarm for 24 hours.

Suppliers: Archival Concepts, Bury Media

Care of Paper, Photographic Prints and Negatives

Note: Most wood pulp papers produced today are inherently acidic. This means they will eventually break down, as well as contributing to the deterioration of the materials they are in contact with. Lignin is the acidic agent in this process. Papers which have the lignin removed are termed acid-free or unbuffered acid-free. The pH of this type of paper is 7.

Buffered acid-free papers have been impregnated with alkali resulting in a pH of about 8.5. This process takes into account the possible introduction of acids from outside sources such as the air. The buffering agents result in a longer lasting paper.

Archival Storage Boxes

Note: There are many companies which carry archival supplies. This list contains only the basic types of boxes and average sizes. All are acid-free and range in pH from 7.5-8.5. Board thickness, actual sizes and minimum order size will vary with each company. For specific information phone or write suppliers for a catalogue or contact Museum Services.

Archival Document Cases

One-piece construction with a hinged lid. Some types are available with metal reinforced edges, pull strings or handles and in two sizes: letter (12 1/4" x 10 1/4" x 5") and legal 15 1/4" X 10 1/4" x 5").

Suppliers: Hollinger, Preservation Materials, Carr McLean, Archival Conservation Resources

Archival Storage Boxes

One-piece with hinged lid, reinforced corners. Used to store documents, magazines, etc. that should be stored flat. Most common sizes are 12 1/4" x 10 1/4" to 17 1/4" x 11 1/2" ranging in depth from 1 3/4" to 3".

Suppliers: Carr McLean, (Century Box Clam Shell Style), Conservation Resources, Preservation Materials, Bury Media, Archival Concepts (Ask for Heritage Portfolio Boxes), Talas

Cartons, Board

Corrugated acid-free fibreboard for storage of permanent and archival files. 10"H x 15"L x 12"W.

Suppliers: Carr McLean, Bury Media, Archival Concepts, Conservation Resources, Preservation Materials, Talas

Cartons, Plastic

Acid-free co-polymer plastic sheeting. Recessed handles and title card holder. 10"H x 15"L x 12"W.

Supplier: Carr McLean

Clamshell Storage Boxes/Flat Document Case

Opens like a book, and has a one-piece hinged lid. Can be used to store documents, pamphlets, magazines, etc. Sizes range from 7 1/2" x 5" to 17" x 20", with depths ranging from 1" - 3 1/2".

Suppliers: Hollinger, Carr McLean, Preservation Materials, Conservation Resources, Archival Concepts, Bury Media, Talas

Colorplast pH Indicator Strips

Used to test the paper or board that will be in contact with the artifact. Accurate to 0.5 pH; test a full pH range or a narrow range with more accuracy. Test acidity of paper or board by wetting the strip with distilled water and pressing it against the test area. Cover with small piece of mylar. 100 strips per box.

Suppliers: Carr McLean, Bury Media, Archival Concepts, Talas

Drop Front Storage Boxes

Two-piece construction with drop front which allows for easy retrieval of items. Used for prints, maps, charts, large documents, etc. Usual sizes from 10" x 8" - 28" x 22", with depths from 1" - 3".

Suppliers: Preservation Materials, Hollinger, Carr McLean, Archival Conservation Resources

Encapsulation Tape 3M #415

A transparent double sided tape recommended for sealing Mylar when encapsulating archival materials.

Suppliers: Archival Concepts, Conservation Resources, Bury Media, Preservation Materials, Talas, General Fasteners, some art and graphic supplies stores

Flat or Newspaper Storage Boxes

Larger size two-piece box with a telescoping lid and reinforced corners. For manuscripts, newspapers and other flat items not found in today's standard sizes. 18 1/4" x 11 1/2" to 19" x 25" and about 3" deep.

Suppliers: Conservation Resources, Hollinger, Preservation Materials, Carr McLean

With a hinged lid, 15" x 22" to 23" x 31" x 3".

Suppliers: Bury Media, Archival Concepts

Kimac Print Protectors

Kimac print protectors are made of polypropylene which won't tear, become brittle or discolour with age. Protectors for virtually every size of print or negative film are available in quantities of 10, 100, 200, 1000.

Individual or page format protectors. Send for information.

Supplier: The Kimac Company, Talas

Insta-Chek Surface pH Pencils

Used to test the paper or board that will be in contact with the artifact. Moisten surface with distilled water (provided) and mark the spot, wait 15 seconds and compare with chart.

Suppliers: Bury Media, Archival Concepts, Talas, Archival Conservation Resources

Mylar Envelopes, Bags

Mylar envelopes are usually available with three sides sealed. Sizes range from 6" x 9" to 24" x 36". Safe for letters, maps, prints and documents.

Suppliers: Talas, Archival Concepts, Bury Media, Carr McLean

Mylar Ribbon

Primarily used for keeping books open while on display. Standard size is .001" thick by 3/4" wide and 200' long.

Supplier: Talas

Note: Virtually all archival supply companies carry some form of plastic ribbon or strips but these might not be Mylar. Consult a conservator before purchasing other forms of plastic strips.

Mylar, Type "D"

Mylar polyester is a flexible, strong, and durable film that will not yellow or become brittle with age. It has numerous applications in the care and preservation of paper, including encapsulation. Mylar is available in various forms and gauges, .003 and .005 being the most often used.

Suppliers: In sheet or rolled form - Cadillac Plastics, Pro-Graphics, Preservation Materials, Archival Concepts, Hollinger, Talas

In page or photo sleeve format - Archival Concepts, Bury Media, Pro-graphics, Carr McLean, Conservation Resources, Franklin Distributors, Hollinger, Talas

Other Types of Boxes

Pamphlet boxes, shoe boxes, special artifact storage boxes, upright file boxes, pamphlet and magazine files, card file boxes and a wide range of photographic negative/print storage boxes can be adapted for use in museums.

Paper and Board pH Testing Pens

Used to test the paper or board that will be in contact with the artifact. Easy to use: draw a line and compare colour when it dries. Turns purple with a pH of 6.5 or above; any other colour indicates a material that is probably unsuitable for conservation purposes.

Suppliers: print and negative archival materials suppliers

Perma-Saf

Perma-Saf is a slide and film storage system. Products are similar to the SAF-T-STOR system but with wider applications. The system will store 35 mm slides and negatives, 120 film negatives, 4" x 5", 5" x 7" and 8" x 10" negatives and prints. The system will also accommodate baseball and other sports cards. Accessories include hanger bars, portable file binders, light tables, filing cabinets and index tabs. Send for catalogue.

Suppliers: Franklin Distributors Corp., Carr McLean

Permalife Paper

This acid-free paper is buffered with calcium carbonate to a pH of 8.0 to 8.5. It is available in cover stock, sheets, envelopes and folders in various sizes. White and off-white colour. *Suppliers:* Hollinger, Talas, Carr McLean, Archival Concepts, Archival Conservation Resources

Saf-T-Stor

This product is a chemically safe system developed for archival storage of 35 mm slides, originally designed for the Library of Congress slide collection.

SAF-T-STOR Pages - rigid plastic pages 9 1/2" x 11 1/2" which

protect slides in individual pockets.

Album-O holds up to 20 pages in a 3-ring format.

Desk Top File - a polypropylene file box which holds 50 pages.

Hanger bar and index tabs attach to pages for an inexpensive filing system.

A Portable Light Table and File Cabinet are also available.

Suppliers: Carr McLean, Franklin Distributors Corp., Archival Concepts, Bury Media, Talas, Archival Conservation Resources

Skum-X

This product is a powdered eraser used for the light cleaning of paper items. It is packaged in a bag or container which allows a small quantity to be sprinkled on the paper and then rubbed gently. Note: Do not use bag as an eraser.

Suppliers: Talas, art & drafting supply stores

Solander Boxes

Strong, high quality and occasionally hand made boxes, with acid-free lining. Available in sizes from 8" x 10" to 24" x 30". Some with carrying handles.

Suppliers: Conservation Resources, Bury Media, Archival Concepts

Textile Storage Boxes

Large boxes with reinforced corners and telescoping lids. 30" x 18" and 60" x 18" with depths of 5", 6", and 10".

Suppliers: Bury Media, Archival Concepts, Carr McLean

Care of Textiles

ABS Pipe

Plastic pipe has many uses in a museum. ABS pipe is recommended in the construction of rolled storage systems.

Suppliers: Home Building Centre, Canadian Tire, most building suppliers

Acid-Free Buffered Tissue

Usually with a minimum pH of 8.5. Available in either sheets or rolls. Ideal for interleaving documents, manuscripts and works of art.

Suppliers:

Sheet - Bury Media, Archival Concepts, Preservation Materials, Conservation Resources, Talas, Hollinger
Roll - Conservation Resources, Bury Media, Archival Concepts

Acid-Free Tissue

Acid-free tissue is a white tissue with neutral pH. It is available in roll or sheet form and has a shelf life of about 2 years when exposed to pollutants. Numerous uses in collections care and storage of artifacts.

Suppliers:

Sheet - Preservation Materials, Bury Media, Conservation Resources, Archival Concepts
Roll - Bury Media, Archival Concepts, Opus, Hollinger, Talas

Acid-Free Tubes

These heavy duty tubes are used in rolled storage systems. They are acid free and lignin free. Can be cut to size. Polyethylene tube plugs are also available.

Suppliers: Bury Media, Archival Concepts, Talas

Cerex

100% nylon spun bonded textile, used for drawer lining and between layers of garments. Comes in different weights.

Supplier: HTC Textiles Ltd.

Cheesecloth

Used to cover the nozzle of a vacuum cleaner when using on a textile.

Suppliers: most fabric stores

Citadel Animal Shampoo

A neutral soap, dissolves easily in water. Recommended for washing textiles and cotton gloves.

Suppliers: Shur Gain Feed Mills, Preservation Materials, Talas, most UFA (United Farmers of Alberta) Farm Supply Stores, High Mountain Feed Distributors

Cotton, Quilted

Excellent for use in padding hangers for textile storage. Tested and used by the Provincial Museum of Alberta.

Supplier: Matthew & Co.

Cotton, Unbleached (Muslin)

100% cotton cloth in different weights. Wash before using.

Suppliers: Preservation Materials, Matthew & Co., Talas, fabric stores

Cotton, Unbleached, Tape (Twill Tape)

This unbleached 100% cotton tying tape contains no dyes or abrasives. Spools of 100 yards in widths of 5/16", 7/16" and 5/8".

Suppliers: Conservation Resources, Bury Media, Archival Concepts, Talas, Fanny's Fabrics, Davey Fabrics, Preservation Materials, Matthew & Co.

Crepeline, Fabric

100% plain woven silk available in cream or brown. Minimum order: 1 yard.

Supplier: Talas

Crepeline, Ribbon

Supplier: Bally Bandfabrik, Switzerland

Fibrefill

A 100% polyester batting, providing soft cushioning. White only. Note: Must not contain any type of adhesive.

Suppliers: Preservation Materials, Fanny's Fabrics, some fabric stores

Fibreglass Screen

Used to cover textiles to reduce fabric stress while vacuuming with a brush or upholstery nozzle.

Suppliers: Canadian Tire, hardware and building suppliers

Hanger, Coat Men's Suit

A medium size black plastic coat hanger, tested and used by the Provincial Museum of Alberta.

Suppliers: Allied Store Equipment (Code #313, #2024)

Hanger, Fur

This is a heavy duty fur coat hanger used (when padded) for heavy textiles at the Provincial Museum of Alberta.

Supplier: Allied Store Equipment (Code #202)

Hanger, Shirt & Dress

A heavyweight clear plastic hanger. Tested and used by the Provincial Museum of Alberta.

Supplier: Allied Store Equipment (Code #5010)

Holleytex

When used with Krylon, Holleytex is excellent for typing accession numbers onto and sewing to textiles.

Suppliers: Conservation Materials, Talas

Krylon No 1303 Clear Lacquer

Krylon is applied to Holleytex in the preparation of accession tags for textiles. Spray before and after typing the number on Holleytex.

Note: Must dry at least 24 hours before sewing to artifact.

Suppliers: Fisher Scientific, Norman Wade, art supply stores

Needles

A wide range of needles is required in all standard shapes and sizes.

Suppliers: fabric stores

Needles, Dressmaker #12

These are extra fine needles for beadwork.

Suppliers: Talas (25 per package), Fanny's Fabrics

Pellon

Pellon is a trade name for many types of interfacing. Be sure to specify 100% polyester "sew-in" (non-fusible) pellon. For use as labels for textiles.

Suppliers: Most fabric stores

Remay

100% polyester spun bonded textile, in different weights, used in same manner as cerex or for labels.

Supplier: HTC Textiles Ltd.

Stabiltex

Stabiltex is a polyester monofilament fabric similar to crepeline. Write for catalogue and samples.

Supplier: B & SH Thompson, Talas

Surgical Stockinette

This product has a number of uses. ABS pipe is covered with stockinette before being used in rolled storage. Mannequins constructed from ethafoam and padded with cotton are sometimes encased with stockinette.

Suppliers: Canada Medical, some medical supply companies

Textile Fading Cards

Supplier: Talas

Thread

100% cotton or silk threads are recommended for most museum applications.

Suppliers: Fanny's Fabrics, Talas, fabric stores

Velcro Strip

Hook and loop attachment and closure system. Ideal for hanging textiles, etc.

Suppliers: Preservation Materials, Fanny's Fabrics, most fabric outlets

Velcoins (Circles)

Velcoins are small coin-shaped velcro pads with adhesive backing and neutral pH.

Suppliers: Bury Media, Archival Concepts, Preservation Materials

Care of Wood and Metals

Aerowax Non-Yellowing Paste Wax

Stable wax used for protective finishes on metals and some finished furniture.

Suppliers: grocery and hardware stores

Pacific Silver Cloth

A napped cloth with built in tarnish inhibitors. Used as lining in drawers, display cases and as storage bags for silver artifacts.

Note: Always appears to be in short supply!

Suppliers: Birks Jewellers, Bury Media, Archival Concepts

Renaissance Wax

Renaissance Wax was developed by the British Museum. It is used as a protective coating for certain materials. Some, but not all types of Renaissance Wax can lift grime and other deposits from surfaces such as wood, metal, ivory, plastics and leather. It is not recommended for shell or stone. Apply sparingly.

Note: Because of the variable characteristics of this product, consult a conservator before using.

Suppliers: Archival Concepts, Bury Media, Carr McLean, Archival Conservation Resources, Talas

The Exhibits

While museums must ensure the preservation of their collections, they must also make their resources accessible to the public. In museums this is primarily done through exhibitions. The following products are relevant to the museum's exhibition function.

Exhibit and Display Supplies

ABS Sheet and Rod

As a replacement for wood, this product offers many new possibilities in fabricating exhibits.

Suppliers: Cadillac Plastic, EM Plastic

Acrylite

Manufactured by CYRO Canada Inc. Much of the same features as plexiglass. Acrylite Op-2 filters 98% U.V. radiation. Full range of colours and sizes. Countless design and exhibit applications.

Supplier: Cadillac Plastic

Crezone

Plywood covered with resin-impregnated paper used for display cases.

Supplier: Alpine Forest Products

Display Cases

Anodized aluminum and glass exhibit/display cases. Various models of showcase and table-showcase units with glass shelving, locks and some with interior lighting. Can be designed to your specifications.

Suppliers: Archival Concepts, Carr McLean, Bury Media

Hardwood framed cases in walnut or birch.

Suppliers: Bury Media, Archival Concepts

Lexan

A clear, unbreakable, impact resistant polycarbonate sheet. Available in various colours and U-V resistant. An added feature is that Lexan sheet can be bent to simple curves

while cold and held by a curved framing or retention system.

Supplier: Cadillac Plastic

Medex Medium Density Fibreboard (MDF)

The Canadian Conservation Institute now recommends the use of overlaid Medex (MDF) medium or high density plywoods (MDO, HDO). The adhesives in Medex do not release formaldehyde as is the case with other brands of fibreboard. Acetic and formic acids from other fibreboards can cause visible damage to metal artifacts if they are stored in a closed environment. While MDF, MDO and HDO boards may be slightly more expensive, they are the preferred choice for the construction of museum display cases.

Suppliers: The Moulding Store, P.J. White Hardwoods

Plexiglas

Plexiglas is the registered trademark for an acrylic plastic sheet produced by Rohm & Haas Company. It is available in sheets, rods or tubes and in clear, semi-opaque colours, white translucent sheets, transparent colours and patterned sheets. Plexiglas UF-1, UF-3, UF-4 absorb ultraviolet radiation. Can be sawn, drilled and machined like wood as well as silkscreened and painted. Bends to any form when heated.

Note: should not be in direct contact with artifacts.

Suppliers: Cadillac Plastic, EM Plastic, Universal Plastics

Plexiglas Accessories

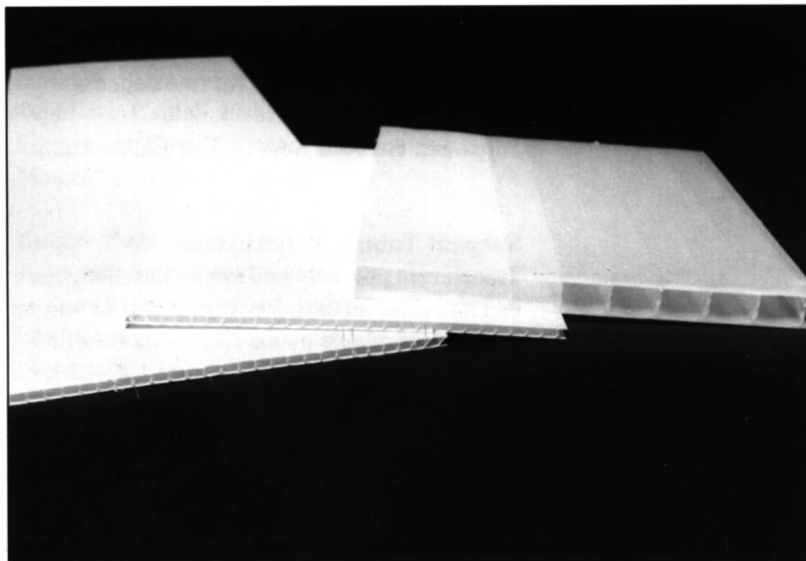
Items such as plexiglas cutting tools, buffing kits, cement, solvent cement, etc.

Supplier: Cadillac Plastic

Plexiglas Display Accessories

These include book cradles and wedges, document display holders, protective shields, display easels and display cubes.

Suppliers: Archival Concepts, Bury Media



Propane/Butane Torches

Cutting plexiglas will leave opaque edges which must be heated gradually until they clear. Most hardware, tool and home improvement retailers carry a variety of hand torches appropriate for this purpose.

Suppliers: Canadian Tire, House of Tools, most hardware outlets

Some of these outlets may carry Micro-Torches, extremely small torches sometimes used by jewellers. Useful for fine delicate work.

Suppliers: Bedrock Supply, Lee Valley Tools

Surgical Tubing, Polyethylene

Translucent polyethylene tubing has many uses in a museum, including covering pins or wire in exhibits. Available by the foot or spools of 50-100 feet and in sizes ranging from 1/8" - 2 1/4". Note: Silicone or polyethylene tubing is recommended over other types and "Tygon" should be avoided.

Suppliers: Baxter Canlab, Cadillac Plastic

Art and Graphics Supplies

Acid Free Mat Board (Colored)

Most archival and art supply stores carry acid-free mat board in a wide range of colors. These are usually a 100% rag board with surface papers resistant to bleeding or fading. Mylar should be placed between the colored mat board and the art work.

Suppliers: Burlington Art, Mona Lisa, Opus

Acid Free Mat/Mounting Board

This is a 100% rag board with a neutral pH of 7.0. Excellent for the mounting and preservation of fine prints, documents, photographs and textiles.

Suppliers: Burlington Art, Nordraft, Mona Lisa, Opus (Rising Museum Mounting Board 40" X 60"), Bury Media, Archival Concepts (8" X 10" TO 32" X 40")

Acid Free Mat/Mounting Board (Buffered)

100% rag board with 3% calcium carbonate added as a buffer. The pH level of 8.5 resists fading and discoloration. Ideal for matting and mounting prints, documents, letters or photographs. Available in 2 or 4 ply with sizes from 8" x 10" and up.

Suppliers: Bury Media, Archival Concepts, Burlington Art, (Bainbridge), Archival Conservation Resources (Lig-Free Type I), Nordraft, Mona Lisa

Archival/Conservation Mounting Board

This quality non-rag board is acid free and buffered with 3% calcium carbonate. A soft white board with a smooth vellum surface and available in 2 ply (1/32") and 4 ply (1/16") board with sizes ranging from 8" x 10" to 40" x 60".

Suppliers: Bury Media, Archival Concepts, Carr McLean, Opus (Conservamat)

Archival Corrugated Board

Available in single (1/8") or double wall thickness, Perma/Dur corrugated board is acid free, lignin free and alkaline buffered with 3% calcium carbonate. Sturdy and light it is an excellent choice for picture hanging, box making, etc.

Suppliers: Some Art Supply Stores, Carr McLean, Bury Media, Archival Concepts, Archival Conservation Sources

Cutting Mats

Excellent for cutting mat board and many other materials, provides a non-slip surface. Available in a self-healing mat.

Suppliers: Art & Graphic Suppliers, Preservation Materials

Mat Board Cutters

For high quality precise cuts of mat board. Available at most art supply stores and archival product suppliers.

Suppliers: Opus ("Logan" Series Mattcutters), Carr McLean ("X-Acto"), Archival Concepts, Bury Media, ("Dexter", "Logan", "Alto") Talas ("Dexter", "Logan", "Olfa"), Burlington Art, Nordraft, Fine Lines

The Museum Workshop

All museums which generate their own exhibitions and which manage their own collections must maintain a workshop. These products can be used for many purposes throughout the museum.

Acetone

Highly flammable, mildly toxic. Use in ventilated area.

Suppliers: scientific suppliers such as Canlab, Talas

Acid-Free Labels/Tags

Made from 10 point archival stock, which is both acid- and lignin-free. 6" cotton strings. Available in 3 sizes: 3/4" x 7/8", 1 1/2" x 3" and 3" x 5". Priced per 100.

Suppliers: Archival Concepts, Bury Media, Carr McLean

Alcohol, Ethyl

Also known as ethanol or grain alcohol.

Suppliers: scientific suppliers

Blower Brushes

An air blowing bulb attached to a brush. Used for dusting camera equipment, film negatives, etc.

Suppliers: photographic stores



Boxes, Tote (Utility Carrier)

For moving smaller artifacts within the museum. Sizes and prices vary.

Suppliers: Canlab, Fisher, Northland Equipment, Carr McLean, Preservation Materials, Arpac, Coroplast

Bubble Pack

A polyethylene sheet to which sealed air pockets have been added. Bubble pack is best used for protecting fragile artifacts in shipping containers.

Note: Bubble Pack should not be placed in direct contact with artifacts.

Suppliers: Trupak Systems, Shippers Supply, Crown Zellerbach, Carr McLean

Cloth Diapers

Diapers are ideal as a soft general-duty cloth.

Suppliers: Most diaper services will accommodate those looking for worn diapers.

Coroplast (Corex)

Coroplast is a twin-wall plastic sheet of polyethylene. The standard thickness is 4mm. It has many uses in display, screen printing and is often used as a backing on canvas paintings. Readily cut with standard knives.

Suppliers: Cadillac Plastic, EM Plastic, Waymarc Industries, Preservation Materials

Ethafoam

A low density polyethylene foam in a variety of thicknesses. White is recommended for museum use. Can be used to line drawers or shelves. When stacked and carved ethafoam produces satisfactory mannequins. Ethafoam is available in either plank or rolled form. Also available in a high density for heavy-duty applications, Nalgene.

Note: Obtain correct procedures and materials before attempting to construct mannequins.

Suppliers: Preservation Materials, Trupak Systems, North West Tent & Awning, Cadillac Plastic, Shippers Supply

Fome-Cor

Consists of two sides of acid-free paper with an inert core of foamed polystyrene. Usually found in sheet form. Fome-Cor is rigid, lightweight and cuts easily with basic tools.

Note: Be sure to specify acid free paper.

Suppliers: Cadillac Plastic, Bury Media, Burlington Art, Archival Concepts, EM Plastic, most art supply stores

General Fabrics

For pure and consistent quality fabrics of all kinds try Testfabrics Inc. This company specializes in providing fabrics for use in research applications. Send for samples.

Suppliers: Testfabrics Inc.

Gloves, Cotton

Cotton gloves should be worn when handling most artifacts. Oils, acid and moisture from bare hands are extremely damaging to leather, metals, paper, textiles and many other materials.

Suppliers: Preservation Materials, Watson Gloves, Bury Media, Archival Concepts, Mr. Glove, Conservation Resources, Talas

Gloves, Vinyl (Tru-Touch)

Generally used when handling slippery or corroded artifacts. Should be worn when handling artifacts which have been recently fumigated.

Suppliers: Johns Scientific, Conservation Resources, Cole Parmer

Heat Guns

Can be used to melt the surface of ethafoam so two pieces can be joined.

Suppliers: Cadillac Plastic, Fisher Scientific, Talas, Cole Parmer

Heat Sealers

A variety of makes and models are available. When used with polyethylene tube you can make airtight plastic bags. Foot or hand operated.

Suppliers: Al's Industrial Maintenance, Baxter Canlab, Trupak, Cole Parmer

Kimwipes II Wipers

These are a low lint, pure cellulose tissue. Their primary use is in the cleaning and polishing of delicate surfaces which may be damaged by abrasion.

Suppliers: Baxter Canlab, Johns Scientific

Laboratory Coats

Always a good idea when handling dirty artifacts. Usually available in small, medium and large sizes.

Suppliers: Baxter Canlab, Fisher, Preservation Materials, Cole Parmer

Monel Staples

Chisel point staples which are 100% rustproof. Numerous applications.

Suppliers: Carr McLean, Talas

Polyethylene Tubing

Comes in various widths. Used with a heat sealer, various sizes of plastic bags can be made.

Suppliers: Fisher Scientific, Western Concord

Tannic Acid

Suppliers: scientific suppliers

Tools, Precision

Precision tools such as tweezers, scalpels, magnifiers, pliers, cutters, etc. are very useful in any museum.

Suppliers: Bedrock Supply, Baxter Canlab, Fisher

Tools, Woodworking

Most hardware and home improvement centres stock basic woodworking tools. For specialized woodworking equipment of all types try Lee Valley Tools. Send for a catalogue.

Suppliers: Lee Valley Tools

Trays, Polypropylene

These come in a large variety of styles and sizes. Prices vary. Ask suppliers for details.

Suppliers: Canlab, Fisher, Northland Equipment Sales and Service

Tyvek

A family of tough, durable sheet products of high density polyethylene fibres which have been bonded together with heat and pressure. Available in rolled form cut to your request.

Suppliers: Cadillac Plastic, Archival Concepts Envelope form

Suppliers: Archival Concepts, Bury Media, Carr McLean

Tape with acrylic adhesive

Suppliers: Archival Concepts, Bury Media

Tags

Supplier: Trupak Systems

Work Benches

Suppliers: Lee Valley Tools, Pacific Warehouse Equipment, Ikea

Suppliers**Advanced Security Systems**

12001 - 149 Street
Edmonton, Alberta
T5L 2J2
Phone: (403) 447-1945

Al's Industrial Maintenance Ltd.

8639 - 64 Avenue
Edmonton, Alberta
T6C 0H4
Phone: (403) 469-3297

Allied Store Equipment Ltd.

11408 - 119 Street
Edmonton, Alberta
T5G 2X6
Phone: (403) 453-5702
FAX: (403) 454-9470

Allwest (Western Distributor)

14325 - 112 Avenue
Edmonton, Alberta
T5M 2V3
Phone: (403) 452-8212
1-800-232-7380
FAX: (403) 447-5503

Alpine Forest Products (1987) Ltd.

12224 - 142 Street
Edmonton, Alberta
T5L 2G9
Phone: (403) 453-3776

Archival Conservation Resources

P.O. Box 2506, Stn. D
Ottawa, Ontario
K1P 5W6
Phone: (613) 523-9260
FAX: (613) 739-1578

Arpac Storage Systems Corporation
12948 - 148 Street
Edmonton, Alberta
T5L 2H8
Phone: (403) 454-8566

Art Preservation Services
253 East 78 Street
New York, NY 10021
U.S.A.
Phone: (212) 794-9234
Fax: (212) 794-3045

B & SH Thompson Ltd.
8148 Devonshire Road
Mount Royal, Quebec
H4P 2K3
Phone: (514) 739-1971

Bally Bandfabrik AG.
Posfach 5012
Schonenwerd, Switzerland
Phone: 064 41 35 35
Fax: 064 41 40 72

Baxter Canlab Corporation
11620 - 181 Street
Edmonton, Alberta
T5S 1M6
Phone: (403) 453-3921
FAX: (403) 453-7210

Bedrock Supply Ltd.
9617 - 63 Avenue
Edmonton, Alberta
T6E 0G2
Phone: (403) 434-2040

Behrends Bronze Ltd.
2207 - 91 Avenue
Box 8717, Station L
Edmonton, Alberta
T6C 4J5
Phone: (403) 464-5177
FAX: (403) 467-6516

Birks Jewellers
126 Edmonton Centre
Edmonton, Alberta
T5J 2Y8
Phone: (403) 426-7290

Burlington Art & Drafting Supplies Ltd.
10040 - 104 Street
Edmonton, Alberta
T5J 0Z2
Phone: (403) 428-1748
1-800-661-9660
FAX: (403) 424-1931

Bury Media and Supplies Ltd.
B5 - 4255 Arbutus Street
Vancouver, B.C.
V6J 4R1
Phone: (604) 731-3439
(604) 731-5838
FAX: (604) 736-7492

Cadillac Plastic
11629 - 149 Street
Edmonton, Alberta
T5M 1X1
Phone: (403) 451-1650
FAX: (403) 454-6025

Canada Medical Ltd.
9445 - 47 Street
Edmonton, Alberta
T6B 2R7
Phone: (403) 465-2020
1-800-232-7286
FAX: (403) 468-0991

Canadian Tire Stores
9857 - 50 Street
Edmonton, Alberta
T6A 3X5
Phone: (403) 465-0731
FAX: (403) 469-8198

Cansel Survey Equipment
9612 - 45 Avenue
Edmonton, Alberta
T6E 5Y9
Phone: (403) 437-7406

Cansel Survey Equipment
4722 - 1 Street S.W.
Calgary, Alberta
T2G 0A2
Phone: (403) 243-1836

Carr McLean Ltd.
461 Horner Avenue
Toronto, Ontario
M8W 4X2
Phone: 1-800-268-2138
(416) 252-3371

Cole-Parmer Instrument Co.
7425 North Oak Park
Chicago, Illinois 60648
Phone: 1-800-323-4340 (in Canada)

Cole-Parmer Instrument Co.
P.O. Box 490 Station A
Scarborough, Ontario
M1K 5C3

Commander Warehouse Equipment Ltd.
3604 - 74 Avenue
Edmonton, Alberta
T6B 2P7
Phone: (403) 468-4395
FAX: (403) 465-9164

Conservation Materials Ltd.
Box 2884 - 240 Freeport Blvd.
Sparks, Nevada 89431
U.S.A.
Phone: (702) 331-0582

Conservation Resources International
8000- H. Forbes Place
Springfield, Virginia 22151
U.S.A.
Phone (703) 321-7730
1-800-634-6932

Coroplast
700 Vadnais Street
Granby, Quebec
J2J 1A7
Phone: (514) 378-3995

Crystalizations Systems Inc.
1595A Ocean Avenue
Bohemia, New York 11716
U.S.A.
Phone: (516) 567-0888

Davey Fabrics Inc.
103 Fashion Centre
10403 - 172 Street
Edmonton, Alberta
T5S 1K9
Phone: (403) 484-4422
FAX: (403) 484-4442

E-Z-Rect Manufacturing Ltd.
94 Riverside Drive
North Vancouver, B.C.
V7H 2M6
Phone: (604) 929-5461

EM Plastic and Electric Products Ltd.
9160 Yellowhead Trail
Edmonton, Alberta
T5B 1G2
Phone: (403) 474-8245
1-800-232-9449
FAX: (403) 479-0015
1-800-661-0041

Ener-Tech Industries Alberta Ltd.

17321 - 106 Avenue
Edmonton, Alberta
T5S 1E7
Phone: (403) 483-0141
FAX: (403) 489-4302

Fanny's Fabrics

L1, 10320 - 102 Avenue
Edmonton, Alberta
T5J 4A1
Phone: (403) 420-0014

Fine Lines Art and Graphics Supplies Ltd.

10820 - 82 Avenue
Edmonton, Alberta
T6E 2B3
Phone: (403) 433-4774

Fisher Scientific Ltd.

10720 - 178 Street
P.O. Box 3840, Station "D"
Edmonton, Alberta
T5L 4K1
Phone: (403) 483-2123

Franklin Distributors Corp.

P.O. Box 320
Denville, New Jersey 07834
U.S.A.

General Fasteners

16007 - 118 Avenue
Edmonton, Alberta
T5V 1C7
Phone: (403) 453-6141
FAX: (403) 454-0569

Hi Signs Manufacturing Ltd.

4403 - 84 Avenue
Edmonton, Alberta
T6B 2S6
Phone: (403) 468-6181
1-800-232-9471
Fax: (403) 468-6745

High Mountain Feed Distributors

4801 32nd Street S.E.
Calgary, Alberta
T2B 2X3
Phone: (403) 248-0900
1-800-661-6788

Hollinger Corporation

P.O. Box 6185
3810 South Four Mile Run Drive
Arlington, VA 22206
U.S.A.

Home Building Centre

9601 - 51 Avenue
Edmonton, Alberta
T6E 4W8
Phone: (403) 438-6333

House of Tools Ltd.

8737 - 50 Street
Edmonton, Alberta
T6B 1E7
Phone: (403) 468-4628
FAX: (403) 465-5663

House of Tools Ltd.

100 Mayfield Common
Mayfield Road and 102 Avenue
Edmonton, Alberta
T5P 4K9
Phone: (403) 486-0123
FAX: (403) 486-2275

House of Tools Ltd.

136 - 8828 Macleod Trail S.E.
Calgary, Alberta
T2H 2B8
Phone: (403) 258-0005
FAX: (403) 252-0149

House of Tools Ltd.
Bay 5, 2930 - 32 Avenue N.E.
Calgary, Alberta
T1Y 5J4
Phone: (403) 250-6683
FAX: (403) 250-8048

HTC Textiles Ltd.
5575 Casgrain Avenue
Montreal, Quebec
H2T 1Y1
Phone: (514) 279-7297

Husky Security
10575 - 106 Street
Edmonton, Alberta
T5H 2X5
Phone: (403) 451-4499

Ikea
Northgate Village
555 - 36 Street N.E.
Calgary, Alberta
T2A 6K3
Phone: (403) 273-4338

Ikea
West Edmonton Mall Phase III
2556, 8770-170 Street
Edmonton, Alberta
T5T 4M2
Phone: (403) 444-2345

James Dawson Enterprises Ltd.
280 Consumers Rd.
Ste. 200
Willowdale, Ontario
M2J 4R4
Phone: (416) 491-2496

Johns Scientific Inc.
Bay A, 6810 - 6th Street S.E.
Calgary, Alberta
T2H 2G4
Phone: (403) 253-0900
(403) 459-4081 (Edmonton)
FAX: (403) 255-9657 (Calgary)

Kimac Company
478 Long Hill Road
Guilford, Connecticut 06347
U.S.A.

Laird Plastics
16212 - 116 Avenue
Edmonton, Alberta
T5M 3V4
Phone: (403) 451-4569
FAX: (403) 454-6154

Laird Plastics
Bay 1, 4709 - 14 Street N.E.
Calgary, Alberta
T2E 6S4
Phone: (403) 250-9298
FAX: (403) 250-1025

Lee Valley Tools
2680 Queensview Drive
Ottawa, Ontario
Phone: 1-800-387-8980

Lee Valley Tools
10103 - 175 Street
Edmonton, Alberta
T5S 1L9
Phone: (403) 444-6153

Lundia Inc.
600 Capital Way
Jackson, Illinois 62650
U.S.A.
Phone: (217) 243-8585

Matthew & Co. Ltd. (Wholesale)
10934 - 120 Street
Edmonton, Alberta
T5H 3P7
Phone: (403) 452-7200

McBain Camera Ltd.
10805 - 107 Avenue
Edmonton, Alberta
T5H 0W9
Phone: (403) 420-0404

Miller Office Group
4990 - 92 Avenue
Edmonton, Alberta
T6B 2W1
Phone: (403) 468-8888
FAX: (403) 468-8866

Mona Lisa Artists Materials
1518 - 7th Avenue S.W.
Calgary, Alberta
Phone: (403) 228-3618

Montel
2225 - 4th Avenue
C.P./P.O. Box 130
Montmagny, Quebec
G5V 3S5
Phone: (418) 248-0235

Mr. Glove & Safety Ltd.
9683 - 45 Avenue
Edmonton, Alberta
T6E 5Z8
Phone: (403) 436-9660

Nordraft Art & Drafting Supplies Ltd.
10660 - 105 Street
Edmonton, Alberta
T5H 2W9
Phone: (403) 426-7820
1-800-661-9945
Fax: (403) 425-0513

Norman Wade Co. Ltd.
10545 - 108 Street
Edmonton, Alberta
T5H 2Z8
Phone: (403) 426-0410
FAX: (403) 420-1120

North West Tent & Awning Ltd.
14545 - 115 Avenue
Edmonton, Alberta
T5M 3B8
Phone: (403) 451-6828

Northland Equipment Sales & Service Ltd.
8307 Coronet Road
Edmonton, Alberta
T6E 4N7
Phone: (403) 465-6516
Fax: (403) 466-7885

Optikon Corps Ltd.
410 Conestogo Road
Waterloo, Ontario
N2L 4E2
Phone: (519) 885-2551

Opus Framing Ltd.
1360 Johnson Street
Vancouver, B.C.
V6H 3S1
Phone: (604) 688-0931

P. J. White Hardwoods
7374 Tranmere Drive
Mississauga, Ontario
L5S 1K4
Phone: (416) 673-5660
(403) 454-6561 (Edmonton)

Pacific Warehouse Equipment
17424 - 105 Avenue
Edmonton, Alberta
T5S 1G4
Phone: (403) 483-7051
FAX: (403) 483-7236

Preservation Materials
92 Poplar Street
Drumheller, Alberta
T0J 0Y1
Phone: (403) 823-2640

Pro-Graphics (1977) Ltd.
150, 614 - 6 Avenue S.W.
Calgary, Alberta
T2P 0S4
Phone: (403) 253-1339

Ramtron Pre-Entry Alarm System
4435 - 99 Street
Edmonton, Alberta
T6E 5B6
Phone: (403) 448-0888

Ramtron Pre-Entry Alarm System
201, 2915 - 21 Street N.E.
Calgary, Alberta
T2E 7T1
Phone: (403) 250-5925

Revere-Seton
P.O. Box 3307
310-A Alden Road
Markham, Ontario
L3R 4C1

Shippers Supply Inc.
6, 3401 - 19 Street N.E.
Calgary, Alberta
Phone: (403)291-0450

Shippers Supply Inc.
5215 - 82 Avenue
Edmonton, Alberta
T6B 2J6
Phone: (403) 465-0927
(403) 465-0527

Shur Gain Division/Canada Packers
2727 Centre Avenue S.E.
Calgary, Alberta
T2A 2L4
Phone: (403) 272-4076

Shur Gain Division/Canada Packers
1903 - 121 Avenue
Edmonton, Alberta
Phone: (403) 472-6600
Fax: (403) 477-3708

Smart Control Systems
10703 - 46 Street
Edmonton, Alberta
T6A 1Y7
Phone: (403) 469-9253

Smart Control Systems
100, 9805 Horton Road S.W.
Calgary, Alberta
T2V 2X5
Phone: (403) 255-0605

Solar Window Films/Alberta Sun Control
13328 - 107A Avenue
Edmonton, Alberta
T5M 2A5
Phone: (403) 454-6786

Solar Gard
8747 - 51 Avenue
Edmonton, Alberta
T6E 5H1
Phone: (403) 465-9345

Spacesaver Corporation
1450 Jannesville Avenue
Fort Atkinson, Wisconsin 53538
U.S.A.
Phone: (414) 563-6362

Storage Innovations Ltd.
P.O. Box 5922, Station A
4049 - 11 Street S.E.
Calgary, Alberta
T2H 2N6
Phone: (403) 243-5507
FAX: (403) 243-9817

Suntec Products Inc.
35 Deercroft Close S.E.
Calgary, Alberta
T2J 5S2
Phone: (403) 278-0155

Talas
213 W. 35 Street
New York, New York 10001
U.S.A.
Phone: (212) 736-7744

Test Fabrics Inc.
P.O. Box 420
200 Blackford Avenue
Middlesex, NJ 08846
U.S.A.
Phone: (201) 469-6446
Fax: (201) 469-1147

The Bookbinders Warehouse Inc.
31 Division Street
Keyport, New Jersey 07735
U.S.A.
Phone: (908) 264-0306
Fax: (908) 264-8266

The Moulding Store
17216 - 107 Avenue
Edmonton, Alberta
T5S 1E9
Phone: (403) 484-4245
Fax: (403) 486-5789

Trupak Systems (Edmonton)
2988 Parsons Road
Edmonton, Alberta
T6N 1B1
Phone: (403) 461-4478
Fax: (403) 450-2605

Trupak Systems
1314 - 40 Avenue N.E.
Calgary, Alberta
T2E 6L1
Phone: (403) 291-1171
FAX: (403) 291-1163

United Farmers of Alberta (U.F.A.)
Farm Supply Stores
11111 - 86 Avenue
Fort Saskatchewan, Alberta
T8L 2S2
Phone: (403) 998-3437

United Farmers of Alberta
Farm Supply Stores
4635 - 1 Street S.E.
Calgary, Alberta
T2G 2L2
Phone: (403) 243-4636

Universal Plastics
4634 - 90A Avenue
Edmonton, Alberta
T6B 2P9
Phone: (403) 465-1488
FAX: (403) 465-0789

W.W. Arcade/Imperial Lumber
7915 - 104 Street
Edmonton, Alberta
T6E 4E1
Phone: (403) 433-8444

W.W. Arcade
15420 Stony Plain Road
Edmonton, Alberta
T5P 3Y9
Phone: (403) 489-1901

Watson Gloves
2828E - 54 Avenue
Calgary, Alberta
T2C 0A7
Phone: (403) 279-2262
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