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# APPENDIX A

## Age-structure preparation: Equipment and supplies

### Fish processing

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#### Coin envelopes for age samples

#1 ungummed, flap extended, printed.

Available from

Crest Envelope  
2125 Highlands S.E.  
Kentwood, MI 48508

or

Massachusetts Envelope Co.  
30 Cobblehill Rd.  
Sommerville, MA 02143

#### Thin-sectioning

Isomet low-speed saw with swivel-arm assembly and flanges.

Available from

Buehler Ltd.  
41 Waukegan Road  
P.O. Box 1  
Lake Bluffs, IL 60044

Specifications or model numbers:

Isomet low-speed saw #11-1180  
Swivel-arm assembly #11-1181  
Chuck #11-1187

Flanges 2½" diameter, recessed, set of two, #1180-S48

Diamond blades.

Available from

Norton Company  
Worcester, MA 06106

(also available through local distributors)

Size and specifications of those currently used:

FO565977 Norton Diamond blade  
3 × 0.006 × ½ Type 1A1  
Blueprint ME 120929  
M4D 10/20M1-N50M9-1/8

Paraseal Wax for canning and candles. Available in local markets.

Dennison Marking Tags - white, No. 12-105-1.

Available from office supply stores.

Carbon Decolorizing, Nuchar S-N (from coal) C-177.

Available from Fisher Scientific Co. and other scientific suppliers.

Calcium Oxide Powder, Technical C-114.

Available from Fisher Scientific Co. and other scientific suppliers

Scotch double-sided tape. Available from office supply stores.

Glycerin. Available from chemical supply companies.

Clear, liquid dishwashing detergent. Available from local markets.

Adjustable-temperature hot plate, Thermolyne, Type 1900,  
#HP-A1915B, 115V AC 700W.

Available from scientific suppliers.

Double boiler or egg poacher. Available from houseware stores.

#### Impressing scales

Jeweler's press, flat rolling hand mill.

Available from

Wm. Dixon Company  
Carlstadt, NJ 07072

Cellulose Acetate plastic, 0.040 inch thick, 22×52" sheets.

Available from

Commercial Plastics Co.  
21 Main Street  
P.O. Box 24  
Cherry Valley, MA 01611

Laminated plastic

Curform Grade 7781, 8.0 mil polyester/0.1 mil saran/1.25 mil polyethylene.

Curform Grade 7770, 8.0 mil polyester/0.1 mil saran/0.75 mil surlyn.

Both available from

Curwood Inc.  
718 High Street  
New London, WI 54961

Curlam Grade 7780, 7.5 mil polyvinyl chloride/2.0 mil surlyn.

Curlam Grade 7710, 7.5 mil polyvinyl chloride/2.0 mil polyethylene.

Both available from

Tenneco Chemicals  
Nixon Lane  
Nixon, NJ 08817

#### Embedding otoliths

Permout, SP15-500. Available from Fisher Scientific and others.

Xylene X-5. Available from Fisher Scientific and others.

Molded plastic otolith trays, 10×5, circular depressions, jet black color.

Available from

Can-Am Containers  
P.O. Box 340  
Spring Hill, Nova Scotia B0M 1X0  
or  
Sheepscots Machine Works  
P.O. Box 406  
Boothbay, ME 04537

## Baking otoliths

Toaster oven (any type that will heat to 550°F.)

or

Scientific oven, Dryco 20W 115V, or other types may also be used.

Available from

Dryco Products Inc.  
65-37 Fresh Meadow Lane  
Fresh Meadow, NY 11365

## Bivalve processing

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Raytech 10" slab & trim saw, model #AL-P105, catalogue #20-023.

Available from

Raytech Industries, Inc.  
P.O. Box 6  
Stafford Springs, CT 06075

Diamond blades

For rough cuts: Red Blazer 10×028×038× $\frac{5}{8}$ × $\frac{1}{2}$ , cat.#33-090.

For fine cuts: Red Blazer 4×012×020× $\frac{1}{2}$  4" diam. cat.#33-061  
or Red Blazer 5×012×020× $\frac{1}{2}$  5" diam. cat.#33-069.

Available from

Raytech Industries, Inc.  
P.O. Box 6  
Stafford Springs, CT 06075

Di-acetate sheets 19×24×0.005" thick for acetate peels.

Available from

Commercial Plastics and Supply Corp.  
352 McGrath Highway  
Sommerville, MA 02143

Epon 815 and DTA hardener.

Available from

Miller-Stephenson Chemical Co., Inc.  
P.O. Box 950  
Danbury, CT 06810