

IV: List of Major Components Used in Experimental and Operational Boats

Engine-Generator

1. Model FS 180-1A
2. Rating: 4.5 kVA, 0.9 PF, 4 kW, 230 V, 3 phase, 180 Hz ac and 55 A, 12 V dc.
3. Source: T&J Manufacturing, Inc., Oshkosh, Wisconsin 54901.

Transformer and Pulser (Bernstein and Miller, 1973)

1. Source: Instrumentation System Center, University of Wisconsin-Madison, Madison, Wisconsin 53706.

Safety Mats

1. Floor mats: Model 1423-12H or Model 1830-12H (need 2).
2. Seat mat: Model 824-26L (need 1).
3. Source: Recora Company, Inc., Powis Road, St. Charles, Illinois 60174.

Dip Net Handles

1. Chance epoxiglas poles, Model H4539-2, 2.8 cm (1¼ inch) diameter, 240 cm (7 ft, 11 inch) length, makes two handles.
2. Source: Graybar Electric Company, Inc., 1301 West Badger Road, Madison, Wisconsin 53701 or

local source.

Safety Mat Plugs

1. BTO 6JF-8-2P-0 Burndy (need 1).
2. BTO 22P-8-25-0 Burndy (need 1).
3. Source: F.J.R. Midwest Inc., 9340 William St., Rosemont, Illinois 60018.

Safety Switches and Covers

1. Hubbell 1281-MO (need 1).
2. Hubbell 1281-MC (need 4).
3. Hubbell 1750 (need 5).
4. Source: Harvey Hubbell Incorporated, Bridgeport, Connecticut 06602 or local source.

Anode Cross Piece and Droppers

1. Stainless steel tubing welded type 304, 1.6 cm (5/8 inch) O.D., 22 gauge, SAE 30304.
2. Source: Central Steel and Wire Co., P.O. Box 5310A, Chicago, Illinois 60680.

Anode Ring

1. Aluminum, 1.2 cm (½-inch) O.D.,

91 cm (36-inch) diameter ring.

2. Source: Dot Line Mfg. Co., Box 567, Silver Lake, Wisconsin 53170.

Plugs and Receptacles

1. Hubbell marine grade, all twist-lock type.
2. Source: Harvey Hubbell Incorporated, Bridgeport, Connecticut 06602 or local supplies.

Booms

1. 2.8 cm (1 1/8-inch) aluminum tubing wrapped with 7 wraps of fiberglass, 4.8 cm (16 ft) length.
2. Source: St. Croix Corporation, 9909 Southshore Drive, Minneapolis, Minnesota 55441.

Lamps (Night Fishing)

1. Sealed beam, General Electric No. 4478.
2. Source: local supplier.

Wire

1. Rated for 600 V, oil resistance.

Cord Connectors

1. Grouse-Hinds type, CGB, aluminum.
2. Source: local supplier.