

The Binnacle

APRIL 1994



NEXT MEETING MAY 12TH, 1994 7:30 p.m.
ROYAL OAK SCOUT HALL

VICTORIA MODEL SHIPBUILDING SOCIETY
BOX 45083 MAYFAIR POSTAL OUTLET
VICTORIA, B.C.
V8Z 7G9

Executive Committee 1994

PRESIDENT	BILL HUCKIN		652-5264
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	BILL BIRCH	ENTERTAINMENT	592-6456
	DICK BRYANT	SPECIAL EVENT	656-9908
	CHRIS TAYLOR		652-1331
	GEOFF WALTON	ROVING REPORTER	592-5874

UPCOMING EVENTS

April 14th, to 17th, 1994.

Victoria Hobby Show

Victoria Curling Club

14th, 15th, & 16th, 10:00 a.m. - 9:00 p.m.

17th, 10:00 a.m. - 5:00 p.m.

August 6th, & 7th, 1994.

Port of Sidney Marina Regatta

Port of Sidney B.C.

Fun Run mini regatta rules

10:00 a.m. - 4:00 p.m. both days.

Sept. 10th, & 11th, 1994.

V.M.S.S. Annual Regatta,

Elk Lake Rowing Club Wharf, Victoria, B.C.

Saturday, Sept. 10th, 1994. 12:00 - 4:00 p.m.

Sailing preliminaries.

Sunday, Sept. 11th, 1994. 8:00 a.m. - 4:00 p.m.

Sailing cup finals, Static Judging & R.C. Power

& Steering Course, prize Giving and Closing ceremonies.

Winter months till June

First and Third Sunday

Sailing South end of Elk Lake, 1:00 - 3:00 p.m.

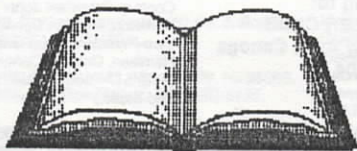
Every weekend (weather permits)

R.C. Power / 1m R.C. Sailing

Pond, Colwood Center

Spring Brake

Over the Spring brake this year, at the Maritime Museum, some of our members: Derek Baker, Jack Lenfesty, Jack Plummer, Ron Armstrong and John Gough, donated more than 70 hours over a 4 day period at the museum. This years FUN EVENT attracted some 450 future model makers, of all ages and sizes. Well done fellows, and Thanks John, for setting this up.



Library Report

The latest addition to the club library is called "**Modern Ship Model Construction- techniques for people with limited free time to build models of todays ships using today's materials**" by Ralph Williams. This new book was written because many of the model shipbuilding books currently available are out of date. The author gives considerable information on the latest materials and techniques that he has found to be useful in his experiences as a professional model builder, where construction time is limited. There are not many diagrams in the book because the author feels that diagrams in model shipbuilding books are often pointless, as they are usually specific to a particular model. This is an excellent book for those who have had some model building experience and would like some fresh new ideas regarding new materials for your latest model project.

MODEL BOATING ORGANIZATIONS

APBA
**American Power
Boat Association**
(R/C Model Racing Commission)
5001 Stormy Ct.
Bakersfield, CA 93309
Contact: Wally Stewart
Vice President
805-398-1266

NAMBA
**North American
Model Boat Association**
1815 Halley St.
San Diego, CA 92154
President: Doug Twaits
Vice President: Alan Hobbs
Contact: Cathie Galbraith
619-424-6380

Doug Dyer,
Librarian
April, 1994

PBA
**Professional R/C
Boater's Association**
833 Acadia
Plano, TX 75023

AMYA
**American Model
Yachting Association**
1884 Campus Ct.
Rochester Hill, MN 48063
President: Edward Helmle Jr.
Contact: Patricia Hein
Membership Secretary
313-642-6688

SSMA
**Scale Ship Modeler's
Association**
3936 Constellation Road
Lompoc, CA 93436
Contact: Gene Schlimmer

CLUB DIRECTORY

SCALE SHIP MODELER invites all model clubs to be included in this free directory.
Send your listing to:
**SCALE SHIP MODELER CLUB
DIRECTORY, 7950 Deering Ave., Canoga
Park, CA 91304**

AHEYA, American Hydro Electric Yachting Association, 10822 E. Riverside Dr., A-205, Bothell, WA 98011. Contact: President Lyle M. Bowman, or Executive Secretary Ann Bowman at (206) 481-0905. (Electric, 3-point hydroplane racing.)

Alaska Anchorage R/C Model Boat Association. Contact: Jay Turner, 7350 Bulen Drive, Anchorage, AK 99507, (907) 344-8297.

American Model Yachting Association (AMYA). Contact: Membership Secretary, Harry Robertson, 2793 Shellwick Court, Columbus, OH 43235.

AMYA Fleet 094, Mount Laurel, NJ. Contact: T. Coe, 4 Arthur Ct., Medford, NJ 08055, (609) 953-8973. (R/C sail models.)

Associação de Nautimodelismo Guanabara, Rio de Janeiro, Brazil. Contact: President Alvanir Carvalho, Rua Marques de Abranches, 173, Ap. 1001, Flamengo, 22230, Rio de Janeiro, Brazil.

Atlanta Model Boaters, Atlanta, GA. Contact: Joe Lovelace, (404) 921-4451.

Badgers of Wisconsin. Contact: Gary Mueller, 29306 Durand Ave., Burlington, WI 53105, (414) 763-7744. (Gas-powered R/C; an I.M.P.B.A. affiliate.)

Bay Area Electric Boaters, 6708 Orchard Drive North, St. Petersburg, FL 33702. Contacts: Commodore Jerry Cooklock, Past Commodore Arthur Cunliffe. (Member of Scale Modelers Association.)

Bay of Quinte Marine Modelers. Contact: Don Dodge, 51 Highland Ave., Belleville, Ontario, Canada, K8P 3R2, (613) 967-1219; Bob Wager, 37 Rodgers Dr., Stirling, Ontario, Canada, (613) 395-5627; Robert Faulkner, R/R4 Picton, Ontario, Canada, (613) 476-5663.

Buffalo Model Powerboat Club, Inc. Contact: Commodore Donald Spielberger, P.O. Box 453, Getzville, NY 14068; (716) 594-2771, or (716) 689-8924. (Sail, Scale and Power Fleets.)

Burnaby Association of Marine Modelers. Contact: President John Tarvin, 5209 Rumble St., Burnaby, British Columbia, Canada V5J 2B7.

Calgary Model Boat Racing Association, 42 — Armstrong Cres. S.E., Calgary, Alberta, Canada T2J 0X3, (403) 253-9031.

Canadian Marine Modelers, 302-235E, 13th, N. Vancouver, British Columbia, Canada V7L 2L5. Contact: President Mark Eisinger, (604) 980-3801.

Capital Marine Modelers Guild, Ottawa. President, Bill Williams. Contact: Secretary/Treasurer Dave Omond, 192 Maleking Ave., Ottawa, Ontario K1K 1K7, (613) 749-2604; or Events Coordinator: Mike Godding, 13 Irving Ave., No. 1, Ottawa, Ontario, Canada, K1Y 1Z2, (613) 729-3178. (R/C Electric Boats and Submarines, and Static.)

Coastal Carolina Model Yachting and Social Club. Contact: Commodore John Mahoney, Star Route 6, Box 286-D, Beaufort, SC 29902, (803) 522-0204. (Radio control model yachting and fine scale marine modeling.)

Commodores R/C/Scale Model Boat Club. Contact: Bill Roehr, 416 South Avenue, Holmes, PA 19043, (215) 532-7724. (Electric, Sail, Steam — no gas.)

Confederation Marine Modelers of Hamilton. Contact: President John Thoms, 55 Cardinal Dr., Hamilton, Ontario, Canada L9A 4H6, (416) 383-1244; or Vice-President Doug Grinyer, 127 Craigroyston Rd., Hamilton, Ontario, Canada L8K 3J9, (416) 547-7686. (Scale, Sail, Fast Electric and Static.)

Diablo Model Boat Club. Contact: Barry A. Roth, Commander, P.O. Box 30114, Walnut Creek, CA 94598. (R/C, Scale, Sail, and Fast Electric.)

Edmonton Model Boat Racing Association. (EMBRA), 8719-160 St., Edmonton, Alberta, Canada T5R 2H4, (403) 483-8392.

El Paso Dry Land Navy, El Paso, TX. Contacts: Gas — Jim Johnson, (915) 591-0198 (APBA); Sail — "Stormy" Storm, (915) 598-7152; Scale and Electric — Bill Holcombe, (915) 598-3245.

Emerald R/C Boats, 32 E. 11th Ave., Eugene, OR 97401. Contacts: Commodore Dale Remiro, (503) 689-6945; Secretary Mark Agter, (503) 344-2117.

Empire State Model Mariners, P.O. Box 071, Whitestone, NY 11357-0071. (R/C/Scale Fast Electric, Sail, and Static.)

Fox Valley R/C Boaters, Chicagoland, IL. Contact: Chuck Bullis, 3 East Brookwood Dr., Arlington Heights, IL 60004, (708) 870-1946.

Garden State Model Boaters, Spring Lake, NJ. Contact: Dave Kammerer, 371 Euclid Ave., Manasquan NJ 08736.

Great Lakes Warship Combat Club, Birmingham, MI. Contact: President John K. Clippert, (313) 647-2387, or Vice-President Jake Des Marais, (313) 274-9006.

Greater Montgomery County Maryland Model Boaters, 111017 Treva Court, Germantown, MD 20876. Contact: Captain Jim Snell, 11017 Treva Court, Germantown, MD 20876, (301) 972-1993; or 1st Officer D.S. Gomes, 3601 Gallatin St., No. 712, Hyattsville, MD 20782, (301) 927-1934. (Scale Electric, Fast Electric, Sail, and Submarines.)

Greater Portland Radio-Controlled Boaters. Contact: Mike Jasulo, P.O. Box 1496, Scarborough, ME 04070, (207) 883-8303.

Greenville Model Boaters, Greenville, SC. Contact: Wayne Medford, (803) 967-7600.

Houston Model Yacht Club. Contact: Todd Barnes, (713) 641-1960; or Ted Cooper, (713) 342-1658. (Sail and Scale; Monthly Regattas.)

Huntsville Model Boat Association, Huntsville, AL. Contact: John Equi, (205) 536-7957. (Gas, IMPBA-sanctioned races.)

The Imperial Dreadnaught Flotilla. Contact: Cliff Holmes, 81 Miller St., Quincy, MA 02169, (617) 0286. (R/C Warship Combat.)

Indy Model Boat Club, Indianapolis, IN. Contact: Bernard Bathauer, (317) 861-3628.

International R/C Warship Combat Club. Contact: D.W. Fluegel, 3524 Gray Drive, Mesquite, TX 75068, (972) 444-1144. (Radio Control Combat in 1/144th scale.)

Jersey Wave Busters, Hopalong, NJ. Contact: John S. Gill, 16 Roosevelt Ter., Hopalong, NJ 07843, (201) 770-1784. (Static, Scale, Sail, Gas, Electric.)

Kelowna Model Boat Club. Contact: John Harland, 448 Avery Road, RR No. 4S2C16, Kelowna B. C., Canada V1Y 7R3, (604) 764-7366. (Static, Scale.)

LaCrosse R/C Model Boat Club. Contact: President Scott King, W5836 Cedar Rd., LaCrosse, WI 54601, (608) 787-1737. (Gas-powered, I.M.P.B.A.)

Lake Area Racers, Sulphur, LA. Contact: A.K. N. (813) 478-3632.

Lake Cindy Model Yacht Club, P.O. Box 71, Haverhill, MA 01830. Contact: Commodore Bill Rader, (404) 4502; Secretary Judy Wiese, (404) 981-9545; Treasurer Jean Long, (404) 946-3890. (Sailboats.)

Northern Nevada Nitro Boaters, 17395 Whipple Lane, Reno, NV 89506. Contact: Mitch Vizenor, (702) 265-4864; or Becky Coddington, Secretary, (702) 0439. (Radio Control gas and electric boats.)

Northwest Commodores. Contact: Leonard DeCommodore, 7345 N. Oriole, Chicago, IL 60648, (774) 0335.

Northwest R/C Ship Modelers, 21426 NE 16th St., Redmond, WA 98053. (Scale Gas.)

Oklahoma City Model Boat Association. Contact: Commodore Shawn Thompson, P.O. Box 8500, Yukon, OK 73085, (405) 728-7553.

Orlando Scale RC Boat Club. Contact: Wayne 1426 28th Street, Orlando, FL 32805, (407) 246-1426.

Oxford Port Tackers, 1227 Littlebrook La., Birmingham, AL 35235. Contact: Commodore Andy Hatley, (205) 8528; or Secretary William Whitter, (205) 853-6128.

PBA, Professional R/C Boater's Association, 833 Acadia, Plano, TX 75023.

Port City Model Boaters, Mobile, AL. Contact: Storer, (205) 476-0062.

Portland Model Power Boat Association, Portland, OR. Contact: Mark Cauthron, Secretary/Treasurer, N.E. 40th Ave., Hillsboro, OR 97124, (503) 693-1111. (R/C Electric and Live Steam Scale Models.)

Puget Sound Model Boat Club. Contact: David 8907 34th Ave., South, Tacoma, WA 98409, (206) 9563. (APBA, Gas, Fuel, and Electric.)

Red River Racing Association, Shreveport, LA. Contact: Secretary Don Stamper, (318) 868-1649. (Bimonthly club races.)

Rehman Antique Model Shipwright, 7725 S.W. 99 Court, Miami, FL 33173, (305) 218-4773.

River City Racing Club, P.O. Box 3471, Evanston, IL 60201, (708) 47733.

Rogaland R/C Boat Club, Fr. Nansensvei 15, Stavanger, Norway. Contact: President, (Hydros, Outriggers, Deep-Vees.)

Sacramento Model Shipwrights. Contact: Alan Johnson, Captain, 913 Haggin Ave., Sacramento, CA 95853, (916) 922-3382. (Scale, Sail, Electric, Steam, and Static.)

Sacramento Model Yacht Club, Sacramento, CA. Contact: Commodore Cy Jannke, (916) 485-9367; or Secretary/Treasurer Evelyn Montague, (209) 478-9032.

Saint Louis Admirals R/C Model Boat Club. Contact: Admiral Roy J. Brandhorst, 14358 Summerfield No. 6, Brissant, MO 63033, (314) 838-8093; or Secretary Larry M. Hull, 115 E. Third St., O'Fallon, IL 62269, (618) 624-9993.

Saint Louis Thunderboaters. Contact: Secretary Bill Zuber, 3707 Herbert Ave., St. Louis, MO 63114, (314) 426-0167. Officers: Ron Rayl, 2340 O'Hare Ave., Granite City, IL 62040, (618) 452-0499; Leon Kettle, 2000 Avon Dr., St. Louis, MO 63033, (314) 838-8358.

Saint Michaels Model Boat Club. Contact: Robert L. Roberts, P.O. Box 781, Easton, MD 21601, (410) 822-0943. (Sailing one design model shipjacks.)

San Diego Ship Modelers Forum. Contact: Mike Rivera, 11647 Via Jacquelina, El Cajon, CA 92019, (619) 670-6863, or Daniel M. Lepage, 8851 Halsted St., San Diego, CA 92123, (619) 279-7497.

San Diego Ship Modelers Guild, c/o Maritime Museum Assoc. of San Diego, 1306 North Harbor Drive, San Diego, CA 92101. Contact: Jim Hawkins, First Mate, (619) 282-9008.

San Francisco Model Yacht Club, 450 Taraval St., Suite 235, San Francisco, CA 94116. Contact: Ivan Van Perre, Commodore, (415) 873-9450. (Sail, Electric, Steam, and Limited Gas.)

Savannah Prop Twisters, 1840 Skidaway Road, Savannah, GA 31404. Contact: Richard Miller, (912) 897-7184; or Frank Stetson, (912) 233-4243.

Scale Model Ship Masters, 518 East Northwest Highway, Mount Prospect, IL 60056. Contact: President G.E. Kaufman, Jr., (708) 577-8044.

The Ship Model Society of Northern New Jersey, Milburn Public Library, Milburn, NJ. Contact: President Bob Fivehouse, (201) 927-3426; or Secretary Dan Pariser. (Meet fourth Tuesday each month; primarily Static display; also R/C Steam and Sail.)

Shipcrafters of Broward, Ft. Lauderdale, Hollywood J Miami. Contact: Herb Leach, 15630 Hunt Ridge Road, Davie, FL 33331, (305) 680-8275. (SSMA; Scale Electric, Steam, and Sail.)

South Bay Model Shipwrights, 1523 Ben Roe Ave., Los Altos, CA 94022. Contact: President Jean Eckert, (415) 964-0561; Paul Jossi, (408) 241-0610; or George Swierczynski, (415) 591-2540. (Builders and admirers of scale, display wooden models of old sailing ships — solid hull, plank-on-frame, kit or scratchbuilt.)

South Jersey Model Boat Association, 220 Pitney Rd., Absecon, NJ 08201. Contact: Fritz Hanaman, (609) 266-8638.

South Orange Seaport Society, South Orange, NJ. Contact: Commodore Ron Hermann, 63 Saxonia Ave., Wyckoff, NJ 07481, (201) 891-3020; or Secretary Sam Karpel, 11 McNeille Dr., Parsippany, NJ 07054, (201) 335-6946.

Southern Tier New York R/C Model Boaters, Elmira, NY. Contact: Pete Forcier, 2858 Harris Hill Rd., RD3, Del. 95, Elmira, NY 14903, (607) 562-3409; or Lew Van Duzer, 913 W. Broad St., Horseheads, NY 14845, (607) 739-3482.

Southernmost R/C Boat Association, 1213 14th St., Lot 102, Key West, FL 33040. Contact: President Glenn J. Budde, (305) 296-2560 or, after 6 pm, (305) 294-7717. (I.M.P.B.A. races for gas-powered boats.)

Spokane Sail Scale & Steam Model Boats Club. Contact: Don Hartley, Past Commodore, 3928 E. Lane Park Road, No. 43, Mead, WA 99021.

Summer Thunder R/C Model Power Boat Club, Chicago, IL metropolitan area. Contact: Bob Brocato, 944 Maple Lane, Bartlett, IL 60103, (708) 213-7194. (I.M.P.B.A. member specializing in glow engine power boat racing.)

The Subcommittee Report. Contact: Marshall Clark, Editor, 561 Santa Ynez Way, Sacramento, CA 95816-3907. (R/C and Static Submarines.)

Syracuse Model Boat Club. Contact: Ed Mervine, 4133 Reddeer Road, Liverpool, NY 13090, (315) 622-1624. (All forms of model boating.)

Task Force 50. Contact: Tom Foller, RD No. 6, Box 56, York, PA 17404, (717) 792-1831.

Task Force 100, P.O. Box 425, Mount Holly, NJ 08060. Contact: Commodore Dom Baysic, (609) 267-6136.

Timberlake Amp Eaters Fast Electric Boat Club, Downers Grove, IL. Contact: Ron West, Club Secretary, (708) 719-0108. (I.M.P.B.A.-Sanctioned, Fast Electrics.)

Valley Forge Model Ship Society, Kimberton, PA. Contact: Corresponding Secretary Ernest Morris, R.D. 4, Box 82, Spring City Road, Phoenixville, PA 19460-1848, (215) 948-8107.

Victoria Model Shipbuilding Society, Box 45083, Mayfair Postal Outlet, Victoria, BC V8Z 7G9 Canada. Contact: President Bill Huckin, (604) 652-5264; or Secretary Jack Plummer (604) 592-2021. (R/C Scale Power, R/C Racing Sail, Static Scale, no gas or hydroplanes. Monthly meeting, Annual Regatta.)

Watts Wake Scale Model Boat Club, Naperville, IL. Contact: Kurt Van Dahm, 237 South Lincoln Street, Westmont, IL 60559, (708) 968-3189.

Western New York Model Power Boat Club. Contact: President Mike Wangler, 521 Morgan St., Tonawanda, NY 14150, (716) 695-2096; or Treasurer Bob Miller, 143 Dexter Terr., Tonawanda, NY 14150, (716) 695-5949. (I.M.P.B.A. Member; Gas-Powered R/C; would like to exchange newsletters with other clubs.)

Willowbrook Watt Wizards, Staten Island, NY. Contact: Joseph Savage, (718) 356-4838. (Biweekly Racing, Fast Electrics, NAMBA-sanctioned.)

Wisconsin Scale Boating Association, Milwaukee, WI. Contact: William G. Ward, President, 12320 Diane Dr., Wauwatosa, WI 53226, (414) 774-2850. (Construction of static and operating scale model boats.) SSM

Lake Windermere R/C Electric Boat Club, Box 415, Windermere, British Columbia, Canada V0B 2L0. Contact: Dwayne Zahara, (604) 342-6217.

Las Vegas Mini Mariners. Contact: President Mike Cohen, 2033 Sweeney Ave., Las Vegas, NV 89104, (702) 386-8974. (NAMBA member.)

Las Vegas Model Boaters. Contact: Stormi Paykoff, 2983 Burnham Ave., Las Vegas, NV 89109, (702) 735-6043.

Lilac City Model Boat Club, S. 6217 Thor Court, Spokane, WA 99223. Contact: Mike Shane. (APBA)

Lone Star Model Boat Club, Houston, TX. Contact: President Bob Morrow, 423 Shenandoah, Richmond, TX 77469, (713) 343-1102.

Long Island Model Yacht Club. Contact: Jim Dempsey Secretary, 29 Bayside Ave., Port Washington, NY 11050, (516) 767-0664. (Marblehead 50 inches, 800-square-inch sail area; Della 600-square-inch sail area, unlimited-length class.)

Marine Modelers Club of New England, Medfield, MA. Contact: Louis Hill, Commander, (508) 520-0340.

Maritime Modelers. Contact: Bob Herrera, 2554 Lincoln Blvd., Suite 215, Marina Del Rey, CA 90291.

Maritime Ship Modelers Guild, 1675 Lower Water Street, Halifax, Nova Scotia, Canada B3J 1S3.

Maryland Attach Group. Contact: President Martin A. Hayes, 1113 Crestview Drive, Annapolis, MD 21401, (410) 757-5593. (Combat, Sail, and Scale Electric.)

Maumee Valley Model Boat Club, 5905 Reinwood Drive, Toledo, OH 43613. Contact: R. Feder, (419) 841-4527; or A. Harris, (419) 472-1331. (Scale, Steam, Electric, Sail.)

Mercer County R/C Model Boat Club, Trenton, NJ. Contact: President Bob Toth Sr., 23 Manor House Dr., Trenton, NJ 08638, (609) 771-9368; or Secretary/Treasurer Lou Bercy Jr., 1053 Chambers St., Trenton, NJ 08611, (609) 392-0892/394-3795. (I.M.P.B.A.- and NAMBA-sanctioned races for fast electrics.)

Metro Marine Modelers of Toronto. Contact: Presider Bob Farrant, 2211 Sherbooe Rd., Mississauga, Ontario, Canada L5A 2H5, (416) 270-0874; Scale Captain Dan Sinstead, 733 Millwood Rd., Toronto, Ontario, Canada M4G 1V7, (416) 483-6702. (Scale, Sail, Fast Electric and Static.)

Michigan Miniature Mariners, P.O. Box 69017, Pleasant Ridge, MI 48069-0017. Contact: Joseph Merucci, President, (810) 398-2901; or Tom DeClerq, Secretary/Treasurer, (810) 797-5294 (Scale Electric, or Steam; an I.M.P.B.A. affiliate).

Midwest Model Yachts, Kansas City, MO. Contact: Richard Campbell, (913) 631-5159. (Sailboat racing.)

Minute Breakers of Illinois. Contact: Dirk A. Christensen, 947 Forest Ave., Oak Park, IL 60302.

Minuteman Model Yacht Club, c/o Needham Park & Recreation Commission, Town Hall, Needham, MA 02192, (617) 455-7421. Contact: Commodore George Carney, 35 Lakeview Ave., Bellingham, MA 20219, (508) 883-8401.

NAS Bermuda Scale Modelers. Contact: President, Don Mullins, USNAS, PSC 1002, Box 2364, FPOAE 09727-2364. (Static display models only.)

Nautical Research Guild, Inc. International nonprofit membership organization for model builders and historians. Quarterly journal and annual conference. Membership information: 152 Brayton Road, Brighton, MA 02135-3049.

Niagara Marine Modelers. Contact: Gary Archer, 16 Baxter Crescent, Thorold, Ontario, Canada L2V 4R6, (416) 227-8110.

North Texas Model Power Boat Association. Contact: President Bob Deavers, 2736 St. Louis, Ft. Worth, TX 76110, (817) 923-0788; Secretary Gary G. Bass, 2729 Meadow Green, Bedford, TX 76021, (817) 540-3376. (Monthly club races gas-powered, I.M.P.B.A.-sanctioned.)

North Texas Model Shipwrights. Contact: Juan Moya, Commodore, 1212 Horizon Tr. No. 3610, Arlington TX 76011, (817) 860-4257.

Making Multiple Parts - Casting with Epoxy

By Doug Dyer

All model makers are aware that a lot of their time is devoted to boring repetitive tasks to produce more than one identical part. Often when working in this manner there are subtle differences between the parts, some may be warped, others may have excess glue showing, and some may have been discarded during the frequently heard strings of four letter words!

Over the summer I experimented with a new technique, casting with epoxy. It is a relatively simple process. First one produces the plug or master, this is then used to make a mold out of a latex rubber compound, then the part is cast in the rubber mold using epoxy. The result is a part which is identical to your master, AND I MEAN IDENTICAL, you can reproduce textures and details that are smaller than rivets or wood grain on the surface of the casting.

STEP 1 MAKE THE MASTER.

The master can be made out of any material you wish. I was casting bollards so I used aluminum tubing for the "posts" and a piece of styrene for the base, see fig 1. Other suitable materials could include wood, plastics, plaster, automotive filler, any kind of metal etc. The secret is to produce one perfect part, and I suggest that you take the extra time here to ensure that it is flawless, as the effort will pay off in the final product. If the master is made of wood it should be sealed with paint. A flange must be added to the master on to which the latex rubber can be brushed to create a "lip" or edge around the mold, see figures 1 + 2

STEP 2 MAKE THE MOLD

The Latex rubber I used comes in the form of a liquid product called Mold Builder which is sold at Industrial Plastics on Quadra Street for \$9.95. This is the same compound used to make surgical rubber gloves, or rubber balloons. The liquid is brushed on in successive coats, the first coat should be brushed very thinly to avoid bubbles. A mold of 3" or less should have about six coats. A mold larger than 3" should have 8-10 coats. Usually on a dry sunny day one coat can be added every hour, provided the mold is allowed to dry in the sun. It is important that the last coat be allowed to dry for 24 hours before the mold is removed from the master. The rubber mold can be removed from almost any shape because of its amazing flexibility, and it's ability to turn inside out. Surprisingly the stretching and bending of the mold does not distort it's shape. Talcum powder, or corn starch should be brushed into the newly exposed surfaces as the mold is removed from the master. Finished molds should be stored in plastic bags to prevent them from drying out.

TO BE CONTINUED NEXT MONTH

FIGURE 1.

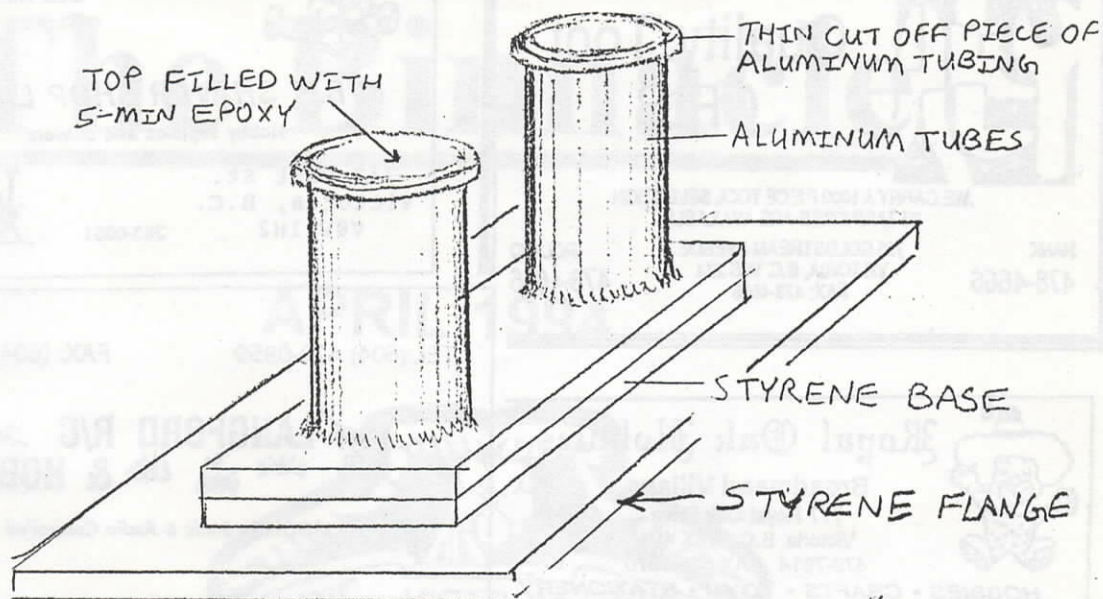
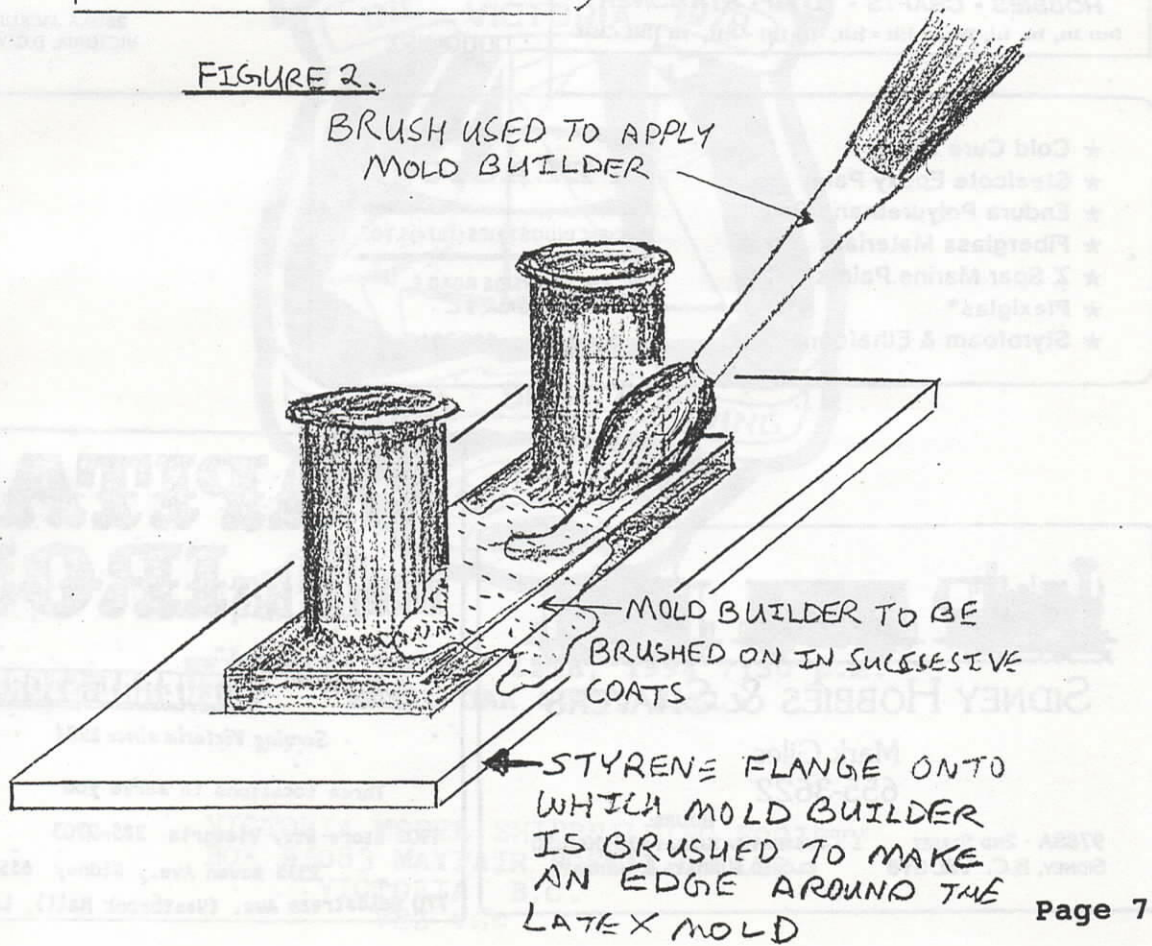


FIGURE 2.





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2353 Bevan Ave., Sidney 655-7115

770 Goldstream Ave. (Westbrook Mall), Langford