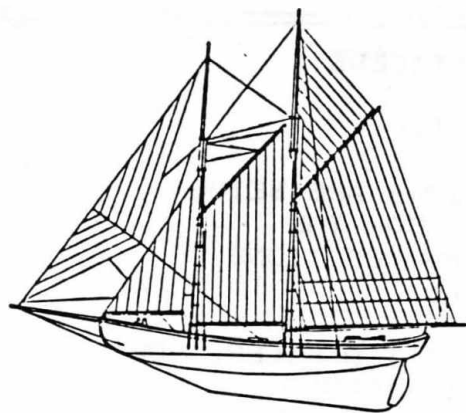
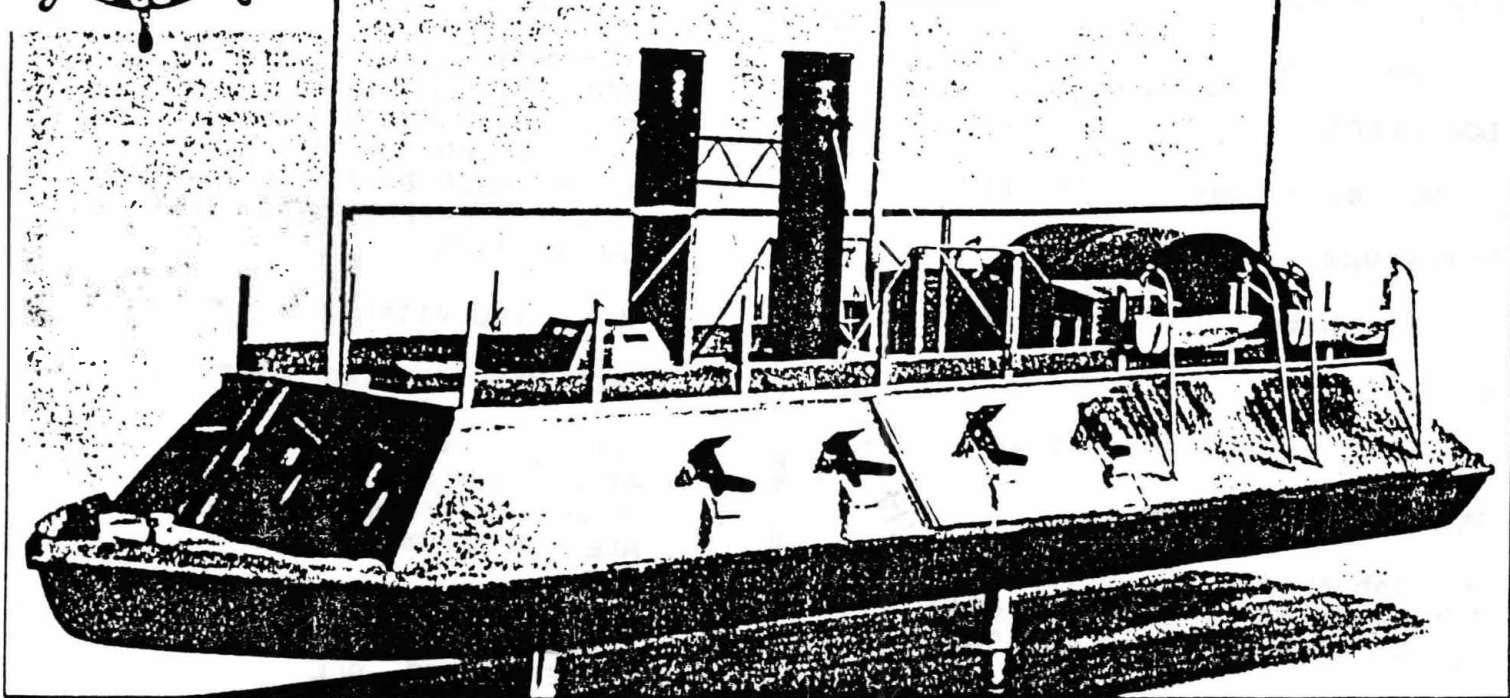


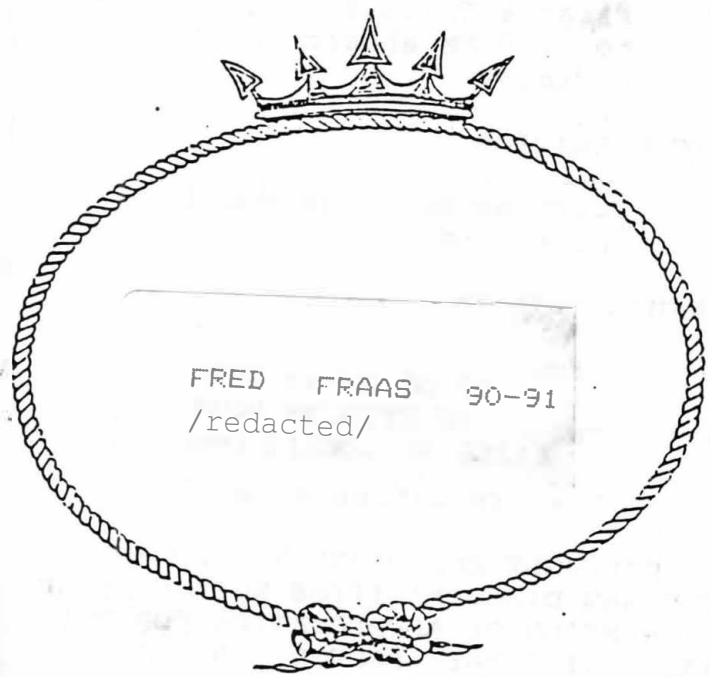


San Diego Ship Modelers' Guild

VOL 16 NO. 9, 10 & 11 92



SWAP MEET NITE: BRING YOUR SALEABLE ITEMS TO THE NOV. 19, MEETING AND MAKE ROOM FOR ALL THE NEW GOODIES YOU'VE BEEN WRITTING TO SANTA FOR IN DECEMBER.....



MASTER

Bob Crawford /redacted/

FIRST OFFICER

Bob Wright /redacted/

LOG KEEPER

Walter Briese /redacted/

TREASURER

Ed White /redacted/

EDITOR

Mike Rivera /redacted/

STEERING COMMITTEE

Bob Wright /redacted/

Ed White /redacted/

Bob O'Brien /redacted/

SCHEDULE OF ACTIVITIES

Guild Meeting Third Thursday of the Month

7:00 PM Social

7:30 PM Meeting

STATIC WORKSHOP

First & Third Tuesday 7:00 PM to 9:00 PM aboard the Ferry Berkeley.

R/C OPERATION

Saturday Mornings Model Yacht Pond

ANNUAL REGATTA

Third Weekend in June.

MEMBERSHIP

Due are \$15.00 Annually

WE STRONGLY ENCOURAGE ALL TO JOIN THE SAN DIEGO MARITIME MUSEUM AS AN EXPRESSION OF APPRECIATION FOR THE FACILITIES THEY PROVIDE US.

DECEMBER 17, 1992

CHRISTMAS PARTY!!!!!!

YOUR SAN DIEGO MODELERS GUILD WILL PROVIDE DINNER AND DRINKS FOR IT'S MEMBERS AND A GUEST. PLEASE HELP BY PROVIDING US WITH THE FOLLOWING INFORMATION:

WILL YOU ATTEND?

HOW MANY IN YOUR PARTY?

PLEASE CALL MIKE RIVERA AT /redacted/. LEAVE YOUR NAME AND HOW MANY IF YOU ARE COMING OR IF YOUR NOT.

THERE WILL BE A RAFFLE OF SCALE PRIZES, ALL PROCEEDS WIL GO TO THE GUILD. YOUR COOPERATION WIL BE GREATLY APPRECIATED.

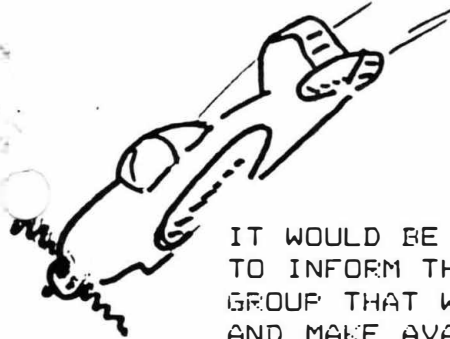
GUILD OFFICERS

ELECTIONS:

NOMINATIONS ARE BEING ACCEPTED FOR THE FOLLOWING POSITIONS AT THE GUILD:

MASTER, 1ST OFFICER, LOG KEEPER IT IS MOST IMPORTANT THAT WE ALL ATTEND THE NOVEMBER MEETING AND VOTE!!!!!!

ITS BEEN OF SOME CONCERN TO SOME GULD MEMBERS; THAT A NEW R/C FLYINGFIELD IS NOW LOCATED NEAR THE SEA WORLD COMPLEX (ABOUT 1 MILE FROM OUR POND) MORE THAN EVER WE SHOULD OBSERVE THE PROPER FREQUENCIES WHEN SAILING.



IT WOULD BE A GOOD IDEA TO INFORM THIS R/C FLYING GROUP THAT WE ARE NEAR BY AND MAKE AVAILABLE TO THEM A COPY OF OUR SAILING SCHEDULE....FOR INFORMATION SAKE...

FLASH A FIRST !!!!!!!



DAN LEFAGE, HAS MADE AVAILABLE TO US ALL THE 1993 BOAT FOND CALENDAR "WHY IN ALL MY YEARS I NEVER" COULD IT BE THAT DAN HAS SOMETHING ON OLD KING NEPTUNE??? BOY!! A 1993 CALENDAR IN NOV, 1992.



HERE ARE THE S.D.S.M. GUILD OPERATIONAL GUIDE LINES...WE WOULD LIKE ALL MEMBERS TO READ THEM AND GIVE US SOME FEED BACK, LIKES, DISLIKES, OPINIONS, A LOT OF THOUGHT AND HARD WORD HAS GONE INTO THIS TEXT, SO PLEASE WE WOULD LIKE YOUR OPINION VIA PHONE, POST CARD OR LETTER DIRECTED TO THE GUILD, OR IN PERSON.....

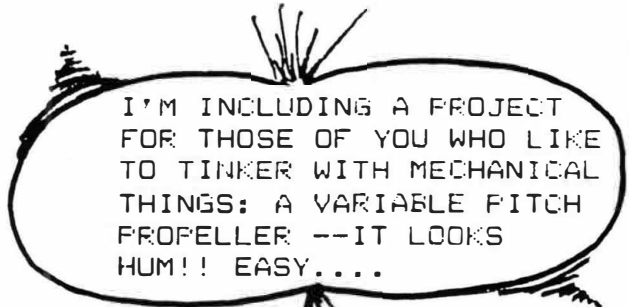


THIS MONTH THE NEWSLETTER HAPPENS TO BE A LITTLE FATTER THAN USUAL I'M TRYING TO COVER A THREE MONTHS PERIOD.

GUEST SPEAKER



DAVE MANLY WILL BE OUR GUEST SPEAKER: HOW TO MAKE THOSE RESIN FITTINGS--FROM MASTER, TO MOLD MAKING TO PRODUCTION COPY. COME TO THE MEETING AND LEARN THE FACTS.....



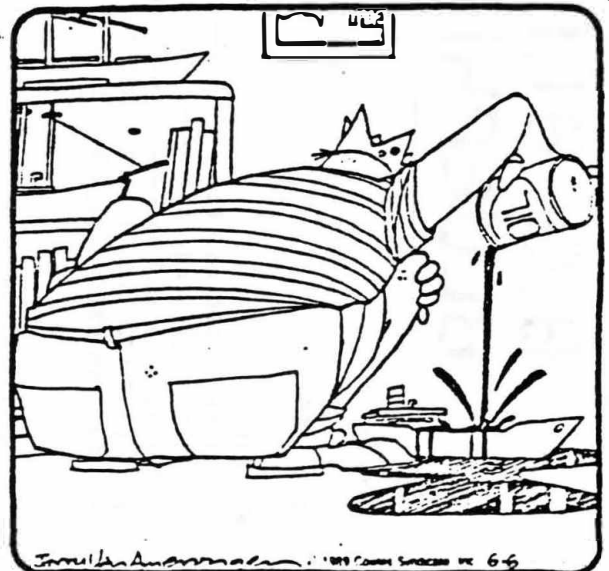
I'M INCLUDING A PROJECT FOR THOSE OF YOU WHO LIKE TO TINKER WITH MECHANICAL THINGS: A VARIABLE PITCH PROPELLER --IT LOOKS HUM!! EASY....



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IF YOU REQUIRE A PRINT ENLARGED, REDUCED OR COPIED----CALL "BIG BLUE" OR BETTER YET DROP BY AND HAVE IT DONE WHILE YOU WAIT. PRICES WILL MEET ANY BUDGET, THEY MEET MINE....low..low...low....



the neighborhood_ Jerry Van Amerongen



Curtis is a stickler for realism.

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04/1/92

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Flatbed Composite Exposures 40.00 per/hr
Screens ----- 3.00 each
Plus media used.

See prices under Diazo services.

-4-



San Diego Ship Modelers' Guild

1306 N. Harbor Drive

San Diego, CA 92101

SAN DIEGO SHIP MODELERS GUILD OPERATIONAL GUIDELINES

ARTICLE I NAME AND PURPOSE

A. TITLE - This organization shall be known as the San Diego ship Modelers Guild.

B. PURPOSE -The San Diego Ship Modelers Guild is an association of craftsmen that share the common interest - ship modeling and the related interests of ship construction, maritime history and lore of the sea.

C. LOGO - The logo of the Guild shall be a bow oblique view of the steam yacht MEDEA within a ships helm emblazoned with the title "San Diego Ship Modelers Guild".

ARTICLE II MEMBERSHIP

A. MEMBERSHIP - Membership shall be open to any person without regard to sex, age, color, race, creed or national origin.

B. ADMISSION - A member shall be admitted upon paying the current dues.

C. DUES - Annual dues are \$15.00 per year or \$7.50 for a person joining after July 1. In recognition of the support and facilities provided by the San Diego Maritime Museum, Guild Members are encouraged to join the Museum.

D. LIFE MEMBERS -A life membership may be granted by a vote of the membership.

ARTICLE III OFFICERS AND DIRECTORS

A. GUILD OFFICERS - Guild officers shall consist of:

1. Master - Presides over steering committee meetings and general meeting and otherwise co-ordinates the activities of the Guild and its members. The Guild Master will act as the official spokes person for the Guild.

2. First Mate - performs the duties of the Master in his or her absence.

3. Secretary - keeps minutes of the steering committee and general meetings and forwards a report to the newsletter editor.

4. Purser/treasurer - Collects, records and distributes funds. Expenditures of more than \$100.00 for un-budgeted items shall be approved by and signed off by at least two other Guild officers.

5. Log Keeper/Newsletter Editor - compiles newsworthy

stories, publishes, and distributes a newsletter approximately 1 week prior to each general meeting. Maintains correspondence with other clubs with similar interests where ever they may be found.

6. Committee chairpersons - heads committees deemed necessary by the membership. At the writing of this charter these committees are in existence:

- a. Regatta committee
- b. Pond committee
- c. charter committee

The necessity of such committees can diminish or rise, resulting in their establishment or elimination according to the memberships needs.

B. TERM OF OFFICE - Officers and committee chairpersons shall serve a term of one year, from the January meeting of one year to the January meeting the next. There will be no restrictions on the number of terms served.

C. ELECTIONS OF OFFICERS - The secretary shall notify members one meeting in advance of the nominating meeting. Nominations may be made from the floor or by mail. Prior to the election meeting ballots with the names of the nominees shall be mailed to all members. Voting at the election meeting may be made at the meeting or by mail-in ballot. Proxy votes are not permitted.

D. VACATED OFFICE -In the event that the Master is unable to serve, the First Mate shall succeed the office. Un-expired terms of other officers of committee chairs shall be filled by appointment by vote of the membership.

E. STEERING COMMITTEE -The steering committee shall be made up of the above mentioned officers, committee chairpersons, and any other San Diego Ship Modelers Guild member who wishes to attend. The committee shall meet in the half hour immediately prior to each general meeting to discuss the required business and other events pertinent to the club. The secretary shall make a report to the general membership and get their approval for the actions recommended by the committee.

In addition to the half hour general meeting night steering committee meeting, an extended quarterly meeting should be held the the Monday prior to the first general meeting of each quarter to set the program agendafor the remainder of the quarter and resolve any subjects not resolved during the short meetings. A member may request an emergency meeting of the steering committee for the consideration of urgent matters.

ARTICLE IV **MEETINGS AND ORGANIZATION**

A. MEETINGS -The general meetings shall be conducted on an informal basis, but should include introductions of guests (who should sign the quest register) , a trouble shooting session, presentation of the minutes from the steering committee, etc. The Guild Master shall act as moderator, encourage participation and discourage splinter meetings and other likewise rude behavior.

B. MEETING TIME -The meetings shall be held aboard the 1623 steam ferry BERKELEY at 7:00 P. M. on the third thursday of each month. In the event of another event having been booked aboard the BERKELEY, the meeting shall be held on the 1863 Bark STAR OF INDIA.

C. SUBSCRIPTIONS - As part of our original charter with the Maritime Museum Association of San Diego, the Guild shall maintain a membership in the Nautical Research Guild. In addition, priority should be given to maintaining subscriptions to modeling magazines with any funds left from the previous years dues. Magazines should be maintained in the Guild library in the model shop aboard the BERKELEY.

ARTICLE V
AMENDMENTS

A. PROCEDURES FOR AMENDING THIS CHARTER - This document may be amended by:

1. Reading of the proposed change at a regular meeting and receiving membership approval.

2. Publication of the proposal in the news letter along with a ballot which must be returned to the secretary before or at the next meeting.

3. A two-thirds majority of the votes cast is required for passage of the amendment.

ACKNOWLEDGEMENT

This document was compiled through the efforts of the following members, as requested by the membership and submitted for approval by the members of this committee October 7, 1992:

Bob Crawford

Bob Wright

Bob O'Brien

Ed White

John Fluck

Bob Cornell

Doug McFarland

Dan LePage

Walter Briese

Mike Rivera

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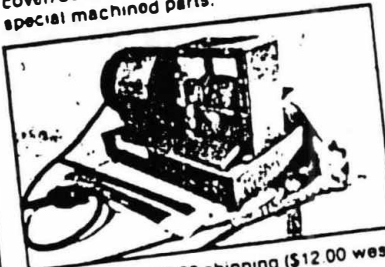
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Hudson River Sloop <i>Victorine</i> (solid hull)	3 sheets	3/16" scale	\$15.00*

*Plus \$2.50 shipping & handling. Please add sales tax for your area.

Send check or money order to:

P. Takadjian, c/o General Delivery, North Truro, MA 02652

San Deigo Ship Modelers Guild
Pond Events & Important Dates!

January 1993

- 2 Saturday
SDSMG AM/SAIL PM
- 3 Sunday
SAIL POINTS AM/PM
- 9 Saturday
SDSMG AM/SAIL PM
- 10 Sunday
POWER AM/PM
- 16 Saturday
SDSMG AM/SAIL PM
- 17 Sunday
POWER AM/PM
- 21 Thursday
7:00 PM SDSMG MEETING
- 23 Saturday
SDSMG AM/SAIL PM
- 24 Sunday
POWER AM/PM
- 30 Saturday
SDSMG AM/SAIL PM
- 31 Sunday
POWER AM/PM

February 1993

- 6 Saturday
SDSMG AM/SAIL PM
- 7 Sunday
SAIL POINTS AM/PM
- 13 Saturday
9:00 AM SCYA MIDWINTER
MARBLEHEAD REGATTA
- 14 Sunday
9:00 AM SCYA MIDWINTER
MARBLEHEAD REGATTA
- 18 Thursday
7:00 PM SDSMG MEETING
- 20 Saturday
8:00 AM SDSMG REGATTA, PICNIC
- 21 Sunday
POWER AM/PM
- 27 Saturday
SDSMG AM/SAIL PM
- 28 Sunday
POWER POINTS AM/PM

March 1993

- 1 Monday
HOLD MEETING WITH VOLUNTEERS
- 2 Tuesday
PREPARE PUBLICITY RELEASE
- 6 Saturday
SDSMG AM/SAIL PM
- 7 Sunday
POWER AM/SAIL PM
- 13 Saturday
SDSMG AM/SAIL PM
- 14 Sunday
POWER PRACTICE AM/PM
- 18 Thursday
7:00 PM SDSMG MEETING
- 20 Saturday
SDSMG AM/SAIL PM
- 21 Sunday
POWER PRACTICE AM/PM
- 27 Saturday
SDSMG AM/SAIL PRACTICE PM
- 28 Sunday
POWER POINTS AM/PM

April 1993

- 3 Saturday
SDSMG AM/SAIL PM
- 4 Sunday
POWER AM/SAIL PM
- 10 Saturday
SDSMG AM/SAIL PM
- 11 Sunday
POWER PRACTICE AM/PM
PALM SUNDAY
- 15 Thursday
7:00 PM SDSMG MEETING
- 17 Saturday
9:00 AM SPRING REGATTA S/B &
C4914
- 18 Sunday
9:00 AM SPRING REGATTA S/B &
CR914
- 24 Saturday
SDSMG AM/SAIL PM
- 25 Sunday
POWER POINTS AM/PM

May 1993

-
- 1 Saturday
SDSMG AM/SAIL PM
 - 2 Sunday
POWER AM/SAIL PM
 - 8 Saturday
SDSMG AM/SAIL PM
 - 9 Sunday
POWER PRACTICE AM/PM
 - 15 Saturday
SDSMG AM/ SAIL PM
 - 16 Sunday
POWER PRACTICE AM/PM
 - 20 Thursday
7:00 PM SDSMG MEETING
 - 22 Saturday
SDSMG AM/SAIL PM
 - 23 Sunday
POWER AM/PM
 - 29 Saturday
8:00 AM POWER REGATTA OUTBOARD
SERIES
 - 30 Sunday
8:00 AM POWER REGATTA OUTBOARD
SERIES
 - 31 Monday
8:00 AM SCSA SCALE HYDRO RACE

June 1993

-
- 5 Saturday
SDSMG AM/SAIL PM
 - 6 Sunday
POWER AM/SAIL PM
 - 12 Saturday
9:00 AM SUMMER REGATTA US1M &
50/800
 - 13 Sunday
9:00 AM SUMMER REGATTA US1M &
50/800
 - 17 Thursday
7:00 PM SDSMG MEETING
 - 19 Saturday
8:00 AM SHIP MODELERS GUILD
ANNUAL REGATTA
 - 20 Sunday
8:00 AM SHIP MODELERS GUILD
ANNUAL REGATTA
 - 26 Saturday
SDSMG AM/SAIL PM
 - 27 Sunday
POWER POINTS AM/PM

July 1993

-
- 3 Saturday
SDSMG AM/SAIL PM
 - 4 Sunday
POWER PRACTICE AM/PM
 - 10 Saturday
SDSMG AM/SAIL PM
 - 11 Sunday
POWER AM/SAIL PM
 - 15 Thursday
7:00 PM SDSMG MEETING
 - 17 Saturday
SDSMG AM/SAIL PM
 - 18 Sunday
POWER PRACTICE AM/PM
 - 24 Saturday
SDSMG AM/SAIL PM
 - 25 Sunday
POWER POINTS AM/PM

August 1993

-
- 1 Sunday
POWER AM/SAIL PM
 - 7 Saturday
SDSMG AM/SAIL PM
 - 8 Sunday
POWER PRACTICE AM/PM
 - 14 Saturday
9:00 AM MID-SUMMER REGATTA S/B
& US1M
 - 15 Sunday
9:00 AM MID-SUMMER REGATTA S/B
& US1M
 - 19 Thursday
7:00 PM SDSMG MEETING
 - 21 Saturday
8:00 AM SDSMG REGATTA, PICNIC
 - 22 Sunday
POWER PRACTICE AM/PM
 - 28 Saturday
SDSMG AM/SAIL PM
 - 29 Sunday
POWER POINTS AM/PM

September 1993

-
- 4 Saturday
8:00 AM POWER REGATTA HEAT
RACING SERIES
 - 5 Sunday
8:00 AM POWER REGATTA HEAT
RACING SERIES
 - 6 Monday
8:00 AM SCSA SCALE HYDRO RACE
 - 11 Saturday
SDSMG AM/SAIL PM
 - 12 Sunday
10:00 AM SAIL PICNIC /AM & SAIL
POINTS /PM
 - 16 Thursday
7:00 PM SDSMG MEETING
 - 18 Saturday
8:00 AM SCSA SCALE HYDRO RACE
 - 19 Sunday
POWER PRACTICE AM/PM PARKING
\$10.00
 - 25 Saturday
SDSMG AM/SAIL PM
 - 26 Sunday
POWER POINTS AM/PM

October 1993

-
- 2 Saturday
SDSMG AM/SAIL PM
 - 3 Sunday
POWER AM/SAIL PM
 - 9 Saturday
SDSMG AM/SAIL PM
 - 10 Sunday
POWER PRACTICE AM/PM
 - 16 Saturday
SDSMG AM/SAIL PM
 - 17 Sunday
POWER PRACTICE AM/PM
 - 21 Thursday
7:00 PM SDSMG MEETING
 - 23 Saturday
9:00 AM FALL REGATTA S/B & US1M
 - 24 Sunday
FALL REGATTA S/B & US1M
 - 30 Saturday
SDSMG AM/SAIL PM
 - 31 Sunday
POWER POINTS AM/PM

November 1993

-
- 6 Saturday
SDSMG AM/SAIL PM
 - 7 Sunday
POWER AM/SAIL PM
 - 13 Saturday
8:00 AM SMG REGATTA, PICNIC
 - 14 Sunday
POWER PRACTICE AM/PM
 - 18 Thursday
7:00 PM SDSMG MEETING
 - 20 Saturday
SDSMG AM/SAIL PM
 - 21 Sunday
POWER PRACTICE AM/PM
 - 27 Saturday
SDSMG AM/SAIL PM
 - 28 Sunday
POWER POINTS AM/PM

December 1993

-
- 4 Saturday
9:00 AM SCRS #4 REGATTA
MARBLEHEAD
 - 5 Sunday
9:00 AM SCRS #4 REGATTA
MARBLEHEAD
 - 11 Saturday
SDSMG AM/SAIL PM
 - 12 Sunday
POWER AM/SAIL PM
 - 16 Thursday
7:00 PM SDSMG MEETING
 - 18 Saturday
SDSMG AM/SAIL PM
 - 19 Sunday
POWER POINTS AM/PM
 - 25 Saturday
SDSMG AM/SAIL PM
 - 26 Sunday
POWER PRACTICE AM/PM

VARIABLE PITCH PROPELLER

A VARIABLE Pitch Propeller is the simplest method of acquiring complete control of a vessel, without the use of complicated gear boxes, clutches, etc.

This particular propeller is quite easy to construct using a propeller shaft and stern tube only, no control tube being necessary. The propeller shaft is coupled to the engine by a sliding coupling. The propeller can be synchronised to the throttle by using a common servo, Fig. 9. This method is used in the Gunboat P.107 described in the June 1962 issue of *Radio Control Models & Electronics*, and has proved itself over the last four years.

Construction is described from the propeller end; dimensions given here are as used for P.107, the hull of which is 4 ft. 1 in. in length, 10½ in. beam; it is only necessary to change the size of the blades to suit other hull sizes.

The ¾ in. bore stern tube is fitted with bushes bored to ⅞ in. and the propeller end bush is extended past the stern tube to hold the ¾ in. bore by ⅞ in. ball race, as in Fig. 1. The outside diameter of the ball race supports the propeller shell Fig. 2 which, therefore, spins on the stern tube.

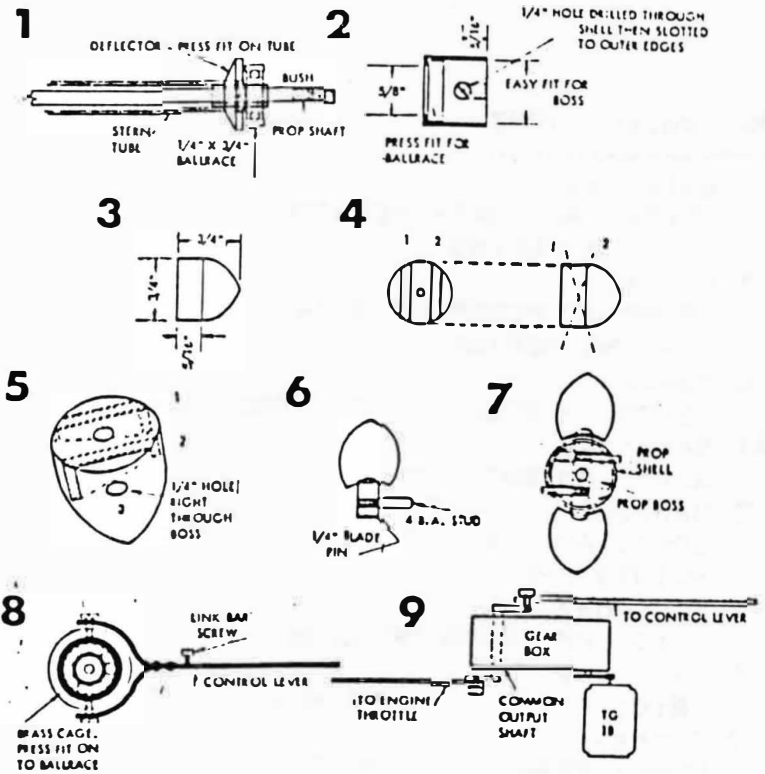
The propeller boss runs in this shell, being supported by the propeller shaft. The boss itself is ¾ in. in diameter for ⅞ in. of its length then shapes off to a point. Fig. 3. Looking at the flat end of the boss, the centre is drilled and tapped ⅞ in. B.S.F. to a depth of ¼ in., then midway, and to either side of this hole, slots are milled — this operation can be carried out by inserting three blades into a hacksaw — to give slots wide enough to clear 4 B.A. rod. Fig. 4. Note that these slots are cut at approx. 30 deg. to the flat end of the boss, from opposite sides. Fig. 5 will clarify this. The next step is to drill a hole ¼ in. in diameter right through the boss, at right angles to the slots, at a distance of ⅞ in. from the centre to the flat edge 3 in Fig. 5.

The boss shell is ¾ in. in length and approx. ½ in. in outside diameter and is first bored through its length to a diameter of ⅞ in. It is then bored to within ⅞ in. of one end, this bore to be a tight press fit for the ¾ in. ball race. The shell is now bored again to within ⅞ in. of the same end, to clear ¾ in. This is to allow the boss to slide freely in the shell. At X in Fig. 2 a ¼ in. hole is drilled right through the shell, these holes then being slotted out to the edge.

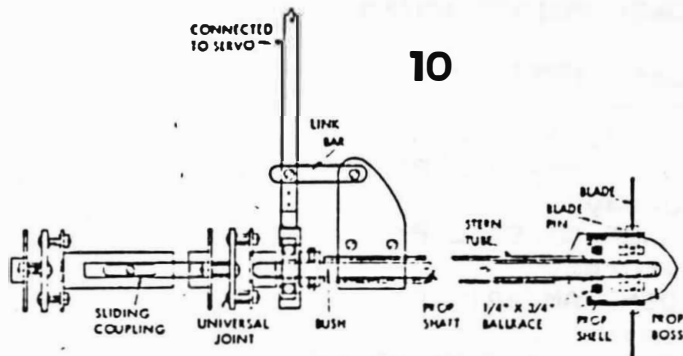
The boss is now threaded on to its shaft, and the shell passed over the end of the shaft and on to the boss. It will be noticed that the slotted holes in the slotted hole in the shell, the same procedure being carried out for the other side; these two pins carry the propeller blades, after being slotted with a hacksaw on the outer ends Fig. 6.

The boss is now removed from the shell with the blade pins still in place. They will be seen to pass through the two slots cut in the flat end of the boss and each pin is now marked in the centre of its slot. The pins are now removed from the boss, and drilled, tapped 4 B.A. on these marks and *parallel to blade slot* as in Figs. 6 and 7. A stud is fitted into this hole, facing the deepest end of the slot in the propeller boss. The remaining process at this end is to drill a clearance hole in the shell to allow the 4 B.A. stud to pass through and into the blade pin. Enough clearance must be left here to enable the boss to slide freely.

Another ballrace is used in the control gear; this race, Fig. 8, has a bush inserted in the centre, with an extension which, by means of two grub screws, holds the race to the propeller shaft. The outer diameter of this race is enclosed by a brass cage. Two screws in this cage support the fork (and also



the shell coincide with the ¼ in. holes bored through the boss and although the propeller shaft now passes through this hole, a piece of ¼ in. stock brass or stainless, is inserted into one side, its inner end touching the shaft. This ¼ in. material is cut off ⅜ in. outside



allow it to swivel) which in turn is connected to the servo, as is shown in Fig. 10. Also shown in Fig. 10 is the sliding coupling. This is simply a tube fitted with a rod which has a pin through it, this pin riding in slots, cut in the tube. These slots need be no longer than ½ in. for the total movement of the propeller shaft is only about ¼ in. The universal joints are made from Meccano flange wheels, the flexible discs being of laminated rubber.

The common servo for throttle and propeller, Fig. 9 has proved highly successful in P.107, only one control being necessary at the transmitter end, for, in neutral pitch, the boat is stopped, with engine ticking over, on forward command being given the throttle opens and the pitch goes ON — I have found in practice, to set the propeller and controls so that very little reverse pitch is obtained and the engine is still ticking over when reverse command is given — if the reason here is not obvious, the amount of water in the stern will be. The synchronisation of propeller and throttle is achieved by varying the length and position of the arms on the common output shaft of the gear box in Fig. 9.