



San Diego Ship Modelers' Guild

2960 Chicago Street, San Diego, Calif. 92117

Volume 12 Number 7

July, 1988

July Meeting: Friday, July 15, 1988

Birthday Party, 7:30 P.M.

Main Deck of the *Star of India*



Happy Birthday

To Us !

Another year has rolled around and its time yo celebrate the anniversary of our Guilds founding 17 years ago ! As has been our custom for the past several years, the July meeting will be a birthday party aboard the Star of India. Bring enough of your favorite "munchie" to share with others, and bring your wife or girl friend to watch the sun set over Point Loma and enjoy the balmy evening breezes and the twilight activities on the bay. Beverages will be provided by the Guild. Also, this year our new "Rogues' Gallery" bulletin board will be ready to receive your candid photographs of members and events over the years. We know some of you have some great pictures squirreled away, so lets break them out and put them on the board where everyone can enjoy them !

Results Regatta '88 !!!

(See inside)

Log of the June meeting

Tim Pettit

Dan LePage gave a final update on regatta preparations including the status of new docks, islands and a shipwreck tableau especially created for the 1988 regatta. Doug McFarland confirmed that we were "go" for a night run in the lagoon at Princess Hotel - always a popular event for both the modelers and the spectators.

Bud Bailey, a visitor showed off his collection of model ships and other items constructed entirely from match sticks. The ship models were all sailing ships complete with wind filled sails, which, like the hulls were constructed entirely of match sticks. The ships, mostly fishing schooners were approximately 8 inches in length. Hulls were hand formed without frames and sails were built around a wire frame which was removed when the sails were complete. Other items displayed included a harmonica case, napkin rings and holder and a ships wheel and binacle. Bud explained some of his construction techniques and showed photographs of a full rigged ship built entirely of match sticks. From humble beginnings when the only material he could afford was match sticks, Bud now buys the sticks by the case before the heads of the matches are added. Altogether a most interesting variant on our hobby and some very impressive work!

George Barber, another guest provided information about his establishment. George's shop carries ships photos, post cards, nautical certificates, note cards and stationary, embroidered patches and emblems, plaques, key chains, tie bars, cuff links and other ship related memorabilia. George's shop is called Marine Photos and Publishr. Associates and is located off 24th Street and Interstate 5 south at 2525 Southport Way, Suite D, National City, 92050. The store is open from 9 to 5 dally and 10 to 3 on Saturday.

Doug McFarland brought in *Hotspur* to show his continued progress in rigging the ship. Doug also brought photos of his recent visit to the aircraft carrier *U. S. S. Constellation* and announced that he was attempting to line up a Guild tour of the ship.

Doug Smay brought and demonstrated an inexpensive, two transistor speed control designed by Guild member Arthur Yeend. (See article In this issue)

Dan LePage indicated the following as a good source for micro-miniature light bulbs. According to Dan these are very tiny and very bright. The bulbs are stock number CK1010-13(50), operate on 1.5 volt dc and come in packages of 50 ea. for \$39.95 from

CIR-KIT CONCEPTS
407 14th Street Northwest
Rochester, Minn. 55901

Hint of the month Use unscented kitty litter in one of your wives pans (just don't let her catch you at it) to support metal parts and act as a heat sink while brazing. Mik Rivera

Regatta Results

The following letter was received from Dan LePage - 1988 Regatta Commodore:

All the hard work and effort has made our ELEVENTH ANNUAL REGATTA a big success. I would like to extend a BRAVO ZULU to all those who helped make the REGATTA a success.

Arthur Valdc	Judge
Dennis Kyle	Judge
Richard Zimmerman	Judge
Roger Smith	Judge/Set Up
Norm Hiatt	Judge/Set Up
Jay McMasters	Judge/Set Up
Jim Hawkins	Judge/Set Up
John Turner	Islands/Set Up
Roy Nilson	Sign/ Miscellaneous Guidance
Doug McFarland	Night Run/Demo

Thats to name a few. There are many other unsung helpers. BZ. I would also like to thank the following manufacturers who contributed prizes:

Roy Nilson	Plastic
Phoenix Publications	Ten Magazines
Dumas	Two Belt Buckles
A.J. Fisher	\$25.00 Gift Certificate
Robbe	50% Discount on parts
Model Expo	Two \$25.00 Gift Certificates
Phoenix Publications	One year subscription to Model Ship Builder
Taubman Plan Service	\$25.00 Gift Certificate
Futaba	50% Discount
Floating Drydock	Fletcher Class Destroyer Plan Book
Warship Hulls Unlimited	Russian Icebreaker Hull, ATF Hull
Pandora Models	Four Electric Motors, T Shirt

We had a very good turn out at the REGATTA. The stats on the REGATTA are as follows:

37 Entries in the R/C competition
19 Entries in the static competition

There were also the winners.....

Civilian Electric

1st	Sam Bompensiero	Ann Tuna Clipper
2nd	Butch Blake	Western Passage
3rd	Gary Conrady	Angela M

Submarine

1st	Michael Dory	U-Boat
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Sail

1st	Bob Cornell	Inga
2nd	Jim Hawkins	Ketch
3rd	David Endert	Spindrift

Junior Modeler

1st	Dennis Dory	Yamato
2nd	Dean Dory	DKM Reider
3rd	John Agee	Algi

Work Boat Salvage Tug

1st	Arthur Yeend	1912 Tug
2nd	Michael Ploeger	YTL Tug
3rd	Frank Caprehio	Amster Dam

Steam

1st	Paul Thompson	Africa Queen
2nd	Paul Thompson	Creole Queen

Military Electric

1st	Rich Layriano	Shelter Island Coast Guard 44 Footer
2nd	Sam Bompensiero	U.S.S. Shamrock Bay CVE 84
3rd	Charles Brown	PT 503

Static

1st	Jay McMasters	English Galleon
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Spectators Favorite

	Jay McMasters	English Galleon
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Modelers Favorite

	Sam Bompensiero	USS Shamrock Bay
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Best of Show

	Jay McMasters	English Galleon
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BZ to all the winners. It was my pleasure to be the Regatta Commodore for 1988. I would like again to thank all for their help and support.

Fair winds and following seas.

Daniel M. LePage
Regatta Commodore 1988

Ed. Note.

We all owe Dan a debt of gratitude for a job very well done indeed. Numerous comments were heard during the regatta as to how well this years event was organized. Everything was ready on time and all the events went off smoothly and on schedule. This was no mean feat, especially when one considers that Dan is on active duty with the Navy and was stationed in Long Beach during the entire period when the regatta was being planned and organized! This was truly a fine event. Congratulations Dan!

As many of you may already know Dan's ship will depart shortly for the Persian Gulf. On behalf of the club I would like to take this opportunity to wish Dan smooth sailing and a safe return from this troubled part of the world. Our thoughts will be with you and your family until you are back among us again.

Darlington Circuit Speed Control

Doug Smay

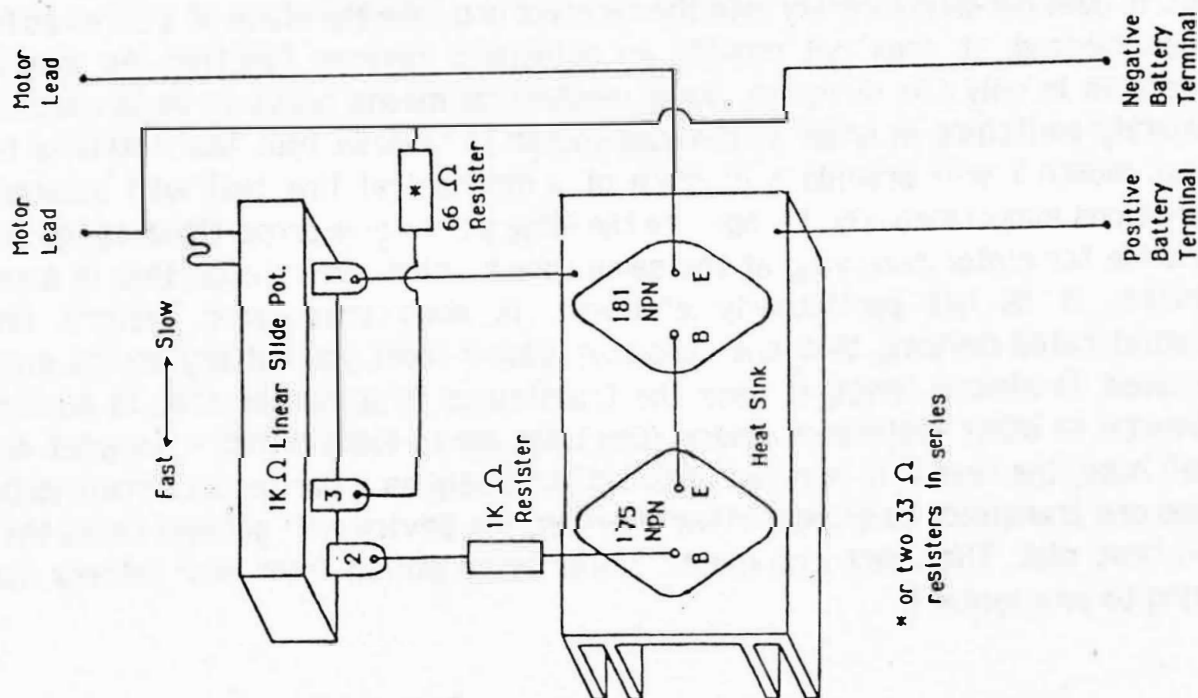
Several years ago fellow Guild member Val Peterson gave me some information about a very interesting speed control device for dc permanent magnet motors. This was at the time when solid state motor speed controls were just beginning to make their appearance for use in model ships and boats. There were only a few such devices on the market and those were very expensive. Having experimented with a number of different rheostats, switches and other ideas - all with limited success - I was intrigued with the design that Val showed me. It had two sterling attributes. One it was SIMPLE, and two it was CHEAP. These were top priorities in my book because i was electronically IGNORANT and relatively POOR! Val, being the modest gentleman that he is, hastened to tell me that the design was not his. In fact it had been passed along to him by a friend and fellow Guild member Arthur Yeend. It was Arthurs interest and research into the subject of solid state motor control that led to the design of this circuit. Arthur, not to be outdone in modesty by Val, steadfastly refuses to take credit for "inventing" the circuit, because as he says, no one truly invents a circuit, they simply build upon the work of others. Ok, lets just say that Arthur designed this circuit after studying the work of some unknown predecessors! The bottom line is that it works like a charm !!

Now, a few caveats are in order. The circuit works beautifully, it has very few parts, and it's cheap and easy to assemble, even for someone who is electronically missing in action, as I am. But it does have a few draw backs. First of all, it should not be compared to the sophisticated speed control that Doug McFarland builds and sells. It is not in the same league! First, this control requires a mechanical link to a servo to operate the slide pot. It does not plug directly into the receiver and take the place of a servo as Dougs unit does. Second, it does not provide an automatic reverse function. As diagrammed it operates in only one direction. Some mechanical means needs to be devised to provide polarity switching in order to run your motor in reverse. (But fear not! Help is at hand. Next month I will provide a diagram of a mechanical link that will accomplish both functions simultaneously, i.e. operate the slide pot to give proportional speed control and provide for motor reversing at the same time.) Third, even though this is a solid state device, it is not particularly efficient. It does drain your battery. Unlike the sophisticated devices, this one consumes power from you battery on its own. This is because in simple terms it uses the transistors in a manner that is analogous to a rheostat or other resistance device. (Don't ask me to explain that - its what Arthor told me!) Also, the reason it is referred to rather losely as a Darlington circuit is because it uses one transistor to drive another. Anyway, the device will get hot! Hence the need for the heat sink. That heat represents power being pulled from your battery that is not going to your motor !

Despite these draw backs the unit works very well, controlling motor speed very smoothly from dead stop to full RPM's. I've built two of them. One I have used in a small model boat and the other currently controls the speed of a dc "Dremel" type tool on my work bench. I have found it to be an excellent means of controlling the speed of the tool for doing fine drilling and other chores. I have not tested the unit in the boat very extensively, but the few times I have used it, it has worked quite satisfactorily. And at a total cost of only \$8.30 for parts you can hardly go wrong!

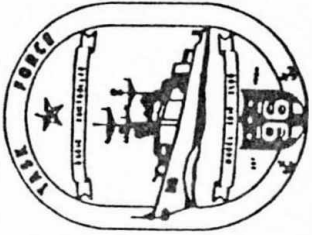
Parts List

1 ea.	1K	Linear slide potentiometer Calectro Stk. No. B1-708	Gateway Electronics \$1.00
1 ea.	1K	Resistor (3 watt) Sprague Stk. No. QR1-E1K	Gateway Electronics \$0.35
1 ea.	66	Resistor (or 2 ea. 33 Resistors RCA Stk. No. 831033)	Gateway Electronics \$0.25
1 ea.		Transistor Sylvania ECG 175 NPN (or equivalent NTE175)	Western Radio Electronics \$2.55
1 ea.		Transistor Sylvania ECG 181 NPN (or equivalent NTE 181)	Gateway Electronics \$2.95 Western Radio Electronics \$7.50
1 ea.		Heat sink for two transistors	Gateway Electronics \$1.25



TASK

FORCE



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**PRESENTS
SCALE SHIPS '88'**

**THIS YEARS REGATTA IS TO BE HELD
ON SEPT. 4, 1988
AT CERRITOS REGIONAL PARK
19700 so. BLOOMFIELD ave. CERRITOS CA.**

(PAGE 82 OF THE THOMAS BROS. MAP BOOK)

THIS YEARS EVENT WILL BE FILLED WITH PRIZES AND TROPHIES

THE REGATTA WILL START PROMPTLY AT 8:30 AM

THERE WILL BE TWO CATEGORIES OF COMPETION

**ADULTS: JUDGED ON NAVIGATION ABILITY
AND MODEL APPERANCE**

JUNIORS: JUDGED ON NAVIGATION ABILITY ONLY

ADVANCE REGISTRATION \$3.00 PER MODEL
AND \$4.00 ON THE DAY OF THE REGATTA

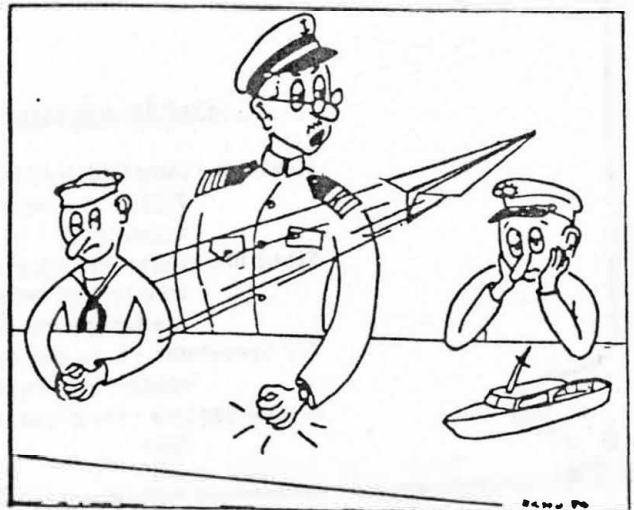
MAKE CHECK PAYABLE TO TASK FORCE 96 MAIL ENTRY FORM AND FEES TO: (NO CASH PLEASE)

TASK FORCE 96 C/O MICHAEL PLOEDER 18337 BERNWOOD DR. MOORPARK CA. 93021

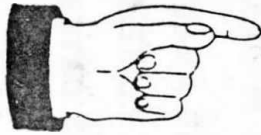
ALL USES				AIRCRAFT USE ONLY			
Frequency	Channel No.	Frequency	Channel No.	Frequency	Channel No.	Frequency	Channel No.
26.995	A1	27.145	A4	72.550	38	72.750	48
27.045	A2	27.195	A5	72.550	40	72.790	50
27.095	A3	27.255	A6	72.630	42	72.830	52
				72.670	44	72.870	54
				72.710	46	72.910	56
AIRCRAFT USE ONLY NARROW BAND				BOAT/CAR USE ONLY			
Frequency	Channel No.	Frequency	Channel No.	Frequency	Channel No.	Frequency	Channel No.
72.030	12	72.270	24	75.430	62	75.750	78
72.070	14	72.310	26	75.470	64	75.790	80
10	16	72.350	28	75.510	66	75.830	82
50	18	72.390	30	75.550	68	75.870	84
72.190	20	72.430	32	75.590	70	75.910	86
72.230	22	72.470	34	75.630	72	75.950	88
				75.670	74	75.990	90
				75.710	76		

SHOW & TELL

by Nilson



'LETS REMEMBER THIS IS A BOAT CLUB'



**San Diego Ship Modelers Guild
Officers for 1988**

Master
Mate
Purser
Logkeeper
Newsletter Editor
Steering Committee

Mike Rivera /redacted/
Roger Smith
Bob Hanley /redacted/
Tim Pettit /redacted/
Doug Smay /redacted/
Norm Hiatt /redacted/
Doug McFarland /redacted/
Roy Nilson /redacted/
Fred Fraas /redacted/

Schedule of Activities

Meetings - Third Friday of the month
7:30 PM social, 8:00 PM
meeting
Static Workshops - Every other Tues.
7:00 to 9:00 PM aboard
the ferry Berkeley
R/C Operations - Saturday mornings
Model Yacht Pond
Annual Regatta - Third weekend in
June

Membership

Dues are \$10 annually

We strongly encourage all to join the San Diego Maritime Museum as an expression of appreciation for the facilities they provide us.

