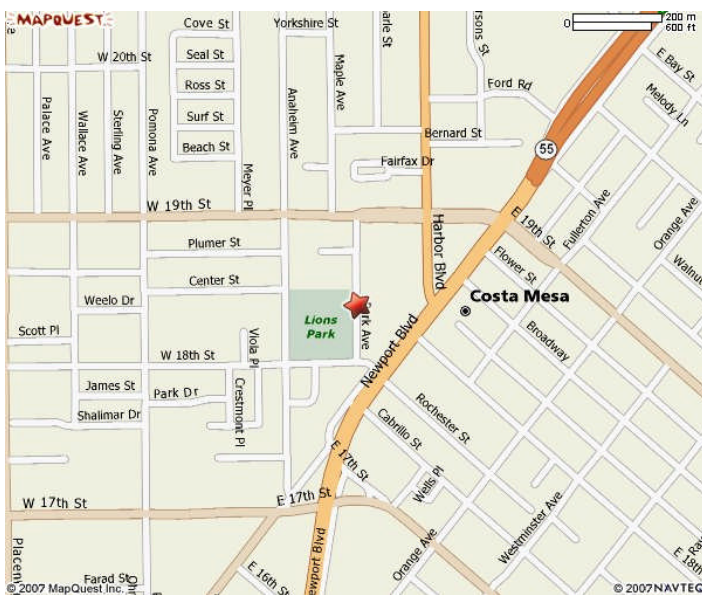




HSS is the oldest AMA chartered R/C Soaring Club in the USA

July 2008

VOLUME 44 ISSUE 7



This months meeting will be held at the
 Costa Mesa Community Center
 1845 Park Ave.
 Costa Mesa
 Thursday, July 3rd At 6:30 pm
 Next months meeting will also be here on
 Aug. 7th at 6:30 pm in the Dakota Room

HARBOR SOARING SOCIETY
 Minutes of Club Meeting, June 5, 2008

- I. Business session called to order by President Jim Hanson at 6:30 p. m. in the Harper Room of Costa Mesa Community Center.
 - A. Jim Hanson announced that, due to family health matters, Gary Gullikson will no longer be able to act as Newsletter Editor. We are looking for numerous people to step up and take some of the club responsibilities. Meanwhile, Jerry Laux will fill in as editor, with the Jim Hanson assisting him.
 - B. The date of the next contest will be June 14, not June 10 as announced. Sorry for the mis-print.
 - C. We will need judges for that event.
 - D. Business session was adjourned at 6:45.

II. General meeting



A. In attendance were Charlie Grove, Frank Colver, Jerry Laux, Myrle Holloway, Joe Taylor, Gytis Tamulaitis, Ross Thomas, Dennis Anderson, Jim Hanson, Ted Broberg, and Todd MacAndrew. John Simons stayed for a few minutes before leaving for another appointment.

B. Motors, speed controls, and other matters electrical: Jim Hanson showed a variety of samples, explaining their uses and differences.

1. Motors and Engines: Jim showed samples of several classes of motors and engines.

a. Motors are Electric. They include "can" motors, cheap brushed power units made by Mabuchi, and sold under various brand names; Cobalt motors, a bit more powerful; in-runners, whose armatures turn inside the field, and spin at relatively higher speeds but with less torque than out-runners, and often require a gearbox to gear them down to practical propeller speeds, and out-runners, whose larger rotors have magnets attached inside the "bell" that spins more slowly than the shaft of an in-runner, but with greater torque.

b. Engines. These are internal combustion power units, using either fuel or compressed gases, as in CO2. (Example: his Baby Cyclone ignition engine.)

2. Motocalc: Jim Hanson and Jerry Laux did a demo on Jim's laptop of this program that is available on-line to help choose batteries, motors, propellers, and speed controllers for a given size, type, and weight model plane. It can be tried for 30 days free, or purchased for about \$35. Data include estimated flight time, prop revs, current draw, thrust, etc. As you change the factors you input, Motocalc recalculates for the new data. Contact MOTOCALC.com.

C. "Show and Tell": several fliers brought things to share.

1. Dennis Anderson brought his Mini **Funtana X** sport plane, with lateral force generators on the wingtips. He also showed the fixture he made to hold propellers safely while he mills the blades back so a spinner can fit close enough for the prop adaptor nut to fit. One fine detail on this Funtana: instead of Phillips-head screws, he uses tiny hex-head button screws that take an Allen wrench, and paints the screws the color of the surface they fasten. The canopy and cowling are fastened with these, and they look really sharp. (Micro fasteners have these, as well as Allen-head servo screws with flanges.) The plane has an E-flite 480 motor, 3-cell LiPo, and cranks out 250 watts, with a Castle Creations **60 amp ESC**. (Dennis likes to have plenty of extra rating, to prevent burning one out if anything stops the prop momentarily. The added bonus is that big ESCs are more efficient, have lower line resistance, and run cooler than smaller ones.)

2. Ross Thomas showed a beautiful **THERMIC 100** sailplane from the mid 1930's. He told about the history of the plane, and its construction. The forward fuselage is made up mostly of hollowed balsa blocks!

3. Todd Mac Andrew debuted his new **123 inch DANNY** sailplane that he built with Ross's help. (Late news: It flew Friday, June 6, and did very well! Congratulations, Todd!)

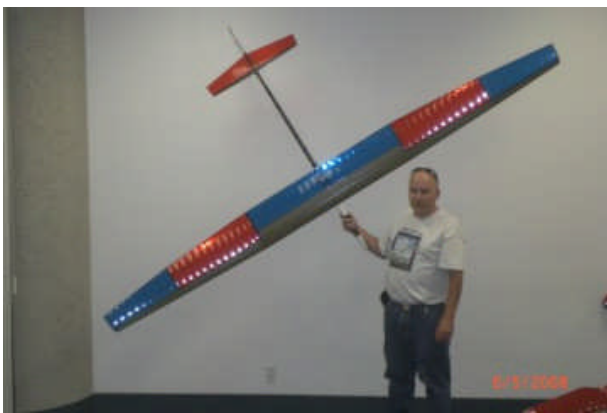
4. Ted Broberg showed his House of Balsa **Messerschmitt BF 109E**, with a KMS Quantam 2212/09 motor, 950 mAh LiPo Impulse battery, and a 9-6 APC prop cut to 8". Tim Beegan modified a metal spinner for a 3-blade Master Airscrew prop, and used a different method of gaining prop adaptor threads for the nut: he turned the nut's inner end smaller for 1/8", and counter bored the prop hub to match; it picked up 3 or 4 threads. The three-blade set-up is for a more scale look; it's much heavier, and upsets the CG. (It, too, had a successful flight Friday, after one landing mis-hap).

5. Jim Hanson showed a Map Source program via a projector and his laptop



computer. He demonstrated how it shows flying sites around Southern California, as well as how he uses it in conjunction with his hand-held Garmin GPS receiver when he goes GeoCaching. He down-loads the latitude and longitude coordinates from the laptop to the GPS unit. The Garmin can be hand-carried, or clipped to his bicycle or motorcycle.

III. Meeting adjourned at 9:00 p.m. Respectfully submitted, Ted Broberg, Secretary pro tem.



Todd Mac Andrew with **123 inch DANNY**



Ross Thomas with **THERMIC 100**



Ted Broberg with **Messerschmitt BF 109E**



. Dennis Anderson with Mini **Funtana X**





June 23rd 2008 Woodie-RES Awards Ceremony.

Left to Right:
 Alex Chapple 1st place woodie
 Jim Hanson score keeper/prez
 Ross Thomas 2nd place res
 Mike Morjoseph 2nd place woodie, and 3rd place res
 Todd McAndrew holding somebody's plaque ?
 Not in picture
 Chris Adamczyk 1st place res
 Bruce Schaffer 3rd place woodie

Contest Results for: HSS RES WOODY
Date: June 23, 2008

ID	Class	Name	RD 1	RD 2	RD 3	RD 4	Total	Norm by Contest	Norm by Class
1	R	ROSS	815	890	863	563	3,130	929	929
2	W	ROSS	435	890	338	470	2,133	633	743
3	R	DAN	895	600	905	460	2,860	849	849
4	R	MICHAEL	598	918	918	523	2,955	878	878
5	W	KARL	365	533	880	433	2,210	656	770
6	W	MICHAEL	770	425	898	763	2,855	848	995
7	R	CHRIS	923	890	640	915	3,368	1,000	1,000
8	W	BRUCE	885	863	535	473	2,755	818	960
9	W	TODD	800	355	603	723	2,480	736	864
10	W	ALEX	833	890	458	690	2,870	852	1,000



Upcoming Events

August 24th HSS at SWSA, SC² TD, Jim Hanson CD. Go to <http://www.sc-2.org> for map

Items of interest

From Larry Tuohino. OCSA President

Best Soaring Simulator yet ? <http://www.cumulus-soaring.com/condor.htm>

If you love P-51's and their pilots, go to <http://www.graveagles.org/video.htm>

Hello Fellow Club Members:

This is a link to a web page I have created to place Club photos for you to view and enjoy. If you have any photos I can post please e-mail them to me @ tog4rc@pacbell.net.

For you who do not have internet access too bad. Get with the program!!

<http://picasaweb.google.com/rc.goat>

Jim Hanson
You're Prez.

Anybody interested in Auto Gyros? Gary Gulickson suggests the " Soda Pup-E" featured at <http://www.flyrc.com>

Hello fellow Club Members:

Karl Hawly is looking for anyone who is willing to speak, do a show and tell, or a how to demonstration, on any topics related to our hobby, at one of our club meetings. Any persons interested contact Karl Hawley at (949) 574-9379 or talk to him at the flying field.

Classified Ads

If you wish to place a free ad in our news letter contact our editor Gary Gullikson! See list of Club officers.

Tim Beegan, HSS Member: Do you have a need for machine work? I can do small parts for R/C planes. Call me at (949) 646-6285 or see me at the field for consulting.

Tom Copp At f3x.com has a selection of electric A.R.F. Kits available at great prices if you are interested contact him @ 949- 645-7032 e-mail tom@f3x.com.

Chris Johnson has a Century Swift 16 Helicopter for sale no electronics \$150.00 call (714) 329-6984.



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