



AMA Charter Club #128
<http://www.1hss.org>



HSS is the oldest AMA chartered R/C Soaring Club
 in the USA. Founded 1964
 Silver Leader Club since 2009
 Gold Leader Club since 2011

March 2013

Volume 50

THIS MONTH'S HEADLINES

Dick Odle has volunteered to handle the club's E-mail blast capabilities. We will now be able to communicate urgent messages with members much more rapidly now.

Plane Rap Index

Check out the following articles:

- Minutes for Feb 5 Executive and General Meeting. P 2-3
- HSS Walk of Fame Donation P 4
- 2013 RCX Exposition. P 4
- Fairview Park Developments. P 5-6
- 2013 City Park Permits. P 7
- SC2 2012 Competition Schedule P 6
- Orange County Youth Festival. P 6
- 2013 Fish fry at Fairview Park P 7
- Mar 5 Meeting Announcement P 8.
- 2013 HSS Membership. P 8
- Early American Aviation History P 9
- Seen Around the Field. P 11
- Scale Squadron Fly-in. P 13
- Parks Department Brochure. P 14.
- For Sale and Classified Ads. P 15
- Sponsors. P 17
- HSS Membership Application. P 20

Coming Events and Soaring Competitions

March - May 2013

- Tuesday Mar 5. HSS monthly meeting, Round Table Pizza, 11095 Warner Ave. General meeting, 7 PM. Exec meeting, 6:00. See P.8.
- Sunday Mar 17. Third 2013 SC2 soaring competition. Hosted by V V R C. See notes on P.6, or web site <http://site.sc2soaring.com>.
- Tuesday April 2. HSS monthly meeting, Round Table Pizza, 11095 Warner Ave. General meeting, 7 PM. Exec meeting, 6:00. See P.8.
- Sat-Sun 13-14 April. OC Youth Festival. See P.6.
- Sunday April 21. Fourth 2013 SC2 soaring competition. Hosted by TPG. See notes on P.6, or web site <http://site.sc2soaring.com>.
- Tuesday May 7. HSS monthly meeting, Round Table Pizza, 11095 Warner Ave. General meeting, 7 PM. Exec meeting, 6:00. See P.8.
- Sunday May 19. Fifth 2013 SC2 soaring competition. Hosted by TOSS. See notes on P.6, or web site <http://site.sc2soaring.com>.



Field Maintenance February 8, 2013

At February's club meeting, someone suggested that the field needs some attention. The grass and weeds are narrowing our landing strip. On Friday, February 8, three of our members met and worked in the rain to get a start on some of the needed work. Jim Sonnenmeier cleaned out and salvaged parts from some of the many glider wings and fuselages, and he and John Rittenhouse and Ted Broberg repaired the flat tire on the mower, got it running, and cleared large areas of the landing strip, re-striping the center line. Ted had several copies of the container's lock's keys, for other fliers who want to take on some of the work. Contact him if you wish to help in this continuing work. Hats off to the guys who work to keep the field usable!

Executive and General Meeting Minutes for 5 February, 2013

- I. Business Meeting: 6:30; JOHN ANDERSON led a meeting on coming events. Those in attendance included President Walt Cloer, Vice President Jesse Calleros, Treasurer Dennis Anderson, John Rittenhouse, Randy Wilbur, and Secretary Ted Broberg.
- A. Blimp hangar: CITY OF TUSTIN; their plan has MCAS TUSTIN SPECIFIC PLAN, 458 pages; The north hangar we are interested in is part of the 84 acre plan of the County.
- People to know: Todd Spitzer , was with Boy Scouts; John A. is working with plans. Robert Knapp, Recreation guy;
 - STEM and SCIENCE SPECIALISTS GROUP: John A. is reaching out to many important contacts; Perhaps the resources of Recreation/Parks and the STEM can mutually support what we want to do.
 - Is there a place for AEROBOTICS in our plans?
 - The SCIENCE OLYMPIAD is involved with many things that would fit with the Hangar. Sea Base Newport is reaching into schools now. Tie them in?
 - The Register is running articles on the AIRSHIP that has been built in the hangar.
 - Hobby industry ought to be involved.
 - Corporate sponsorship?
- B. Parks and Recreation meeting, February 19, will be important. We need to plan toward this. (As of now, it's not clear whether this is on or not. But we should have a presentation prepared.)
- C. Great Park: Keep an eye on what's going on in the planning for this. Things are changing.
- Business meeting adjourned at 7:10 p.m.
- II. General session: called to order at 7:10. by President Walt Cloer. In addition to the above, these folks attended: Henry Capili, Joni Whitsitt, Mike Fox, Ross Thomas, David Whittington, Jeff Greene, Gary Gough, Roger Nahas, Bob Voss, William Vincent II, and Jim Sonnenmeier.
- A. Program: Show and tell: Members brought several aircraft projects and told about them.
1. Henry Smith 3:
- CHAMP fuselage, with electronics: "Brick" and motor. Works with SPEKTRUM and JR transmitters. Henry told about this last month, and showed the fuselage this evening. It's a good way to save money on buying the electronics, as it's cheaper to buy this than the components that are included.
 - Free-flight models, converted to R/C: Henry talked about Ted's Guillow's REPUBLIC P-47 THUNDERBOLT. He builds every plane from the start to be Radio Controlled, not free-flight, so he lightens everything, and makes it so servos and battery can be serviced, by making a hatch just aft of the motor and battery bay. Lightening ideas include scalloping the formers and bulkheads with a Dremel tool. He suggests replacing the stock vinyl spar with a plywood one, patterned from the vinyl ones in the Guillows kit. As the weight of a plane goes up, so does the landing speed, so build it strong enough to land. It needs ailerons to give it the control needed. Servos: HS 55 or smaller is fine. Target weight: 10-16 ounces. He chooses his motor based on the size battery that will fit the fuselage, and figures the wattage he'll need from that info. He says while building, "If I make a mistake, I muscle through it. Many guys start the building over. For cement/glue, some guys have gone to Aliphatic glues rather than CA.



-- CHAMPION 85: He lightens the ribs by drilling holes in them. He put a "carry-through" element from one wing-strut anchor to the other, to stiffen the wings. He used So-Lite MICRO-LITE to cover it. Pilot is carved out of foam. Wheel pants are carved from balsa. Its weight now is 2.5 ounces.

-- Information sources: HIP POCKET, R/C GROUPS, SMALL FLYING ARTS, FLYING ACES; Building with Foam book.

2. David Whittington: 2-meter GNOME: Ross told about the construction.

3. Jim S.: Fiberglass DISCUS 2 fiberglass 100" , 28 ounce, sailplane, which he'd like to aero-tow with Ted's TELEMMASTER Senior. It has a release for the towline in the nose. It's 1/6th scale, so it's hard to find a scale pilot.

B. Business topics: .

1. Jim Sonnenmeier: Model aviation as a vehicle for education: He and Dick Odle have been talking about the importance of getting people involved with making interesting things, designing things. We are educating every time we talk with someone about flying. Compliments to all of you who have been involved in this endeavor.

2. John A. spoke about ways to involve people with basic design. "Get them to think." (See item 4 below.)

3. Henry 4: Almost everyone I know who is involved in aviation has come through model aircraft.

4. John A.: Many people who want to get into flying want to start in R/C; and they never learn about the basics. Better to start with designing/making your own thing: rather than starting with a step-by-step kit, he prefers "Junk-yard Wars" as a method of developing original thinking: start by putting a stack of pieces on the table, and telling people to make something that flies. (Index cards, coffee stirrers, clay, and more). He has some small rubber band power sticks that can be attached to the inventions.

5. Joni W.: I'd like to see you get this going with an event to do this. Start with this group! I can get some money from Hobby People to get things started. Publicize it and get it going.

C. Parks and Recreation meeting: John Rittenhouse said the Commissioners for this have not been elected yet, so we are not sure whether the Commission will meet then or not. If so, we ought to attend. We are asking for a five-year renewal. Since the Use Permit states that our contract can be terminated at any time, there was no need for the "one-year" arrangement we got last year.

D. Blimp hangar: We are looking into corporate sponsorship for the site. More later. We'll want connections with industry and anyone else from the aviation community. Send ideas to John Anderson, or any officer.

E. Walt: Our field is getting overgrown and rough. We need to do some work on it. We should get a bunch of guys with rakes and shovels. Let's put up signs and have a work day.

F. FIELD MAINTENANCE: John R. asked Ted to put an appeal in the next Plane Rap, with Joni, to stir up interest in the work, and the education ideas we talked about. We'd stop flying for the work times. We'll pick a day, and put up posters, when the weather favors it. The mower needs a tire fixed.

G. RIDES NEEDED: John A.: We occasionally have a person or two who need rides to AMA and R/C X convention, CHINO Air Show, etc. . William Vincent, at (949) 375-4364), would like a ride to anything like this.

III. Raffle: Each month, we hold a free raffle of model materials, planes, kits, etc., given by other fliers. Winners select whichever item they want, so everyone gets his/her first choice of prizes! **WE PRESENTLY ARE OUT OF RAFFLE PRIZES. PLEASE CONTACT TED BROBERG, 714-235-6430 if you have something to contribute.** Thanks to the many who have given donations in the past. Today's prizes and winners:

A. Airtronics VG 600, from Ted B.: Jesse Calleros.

B. Me 109, from Henry 4: Henry Capili

C. Glider wing, donated by Mike Fox: chosen by Gary Gough.

D. Hangar 9 meter, also from Mike Fox: won by Dave Whittington.

-- Meeting adjourned at 8:45 p.m. Respectfully submitted, Ted Broberg, Secretary.



HSS Walk of Fame Brick

Several months ago, our members voted to make a \$100 donation to purchase an AMA "Walk of Fame" brick. We have just been notified by Mandee Mikulski, AMA Development Communications Coordinator, that our brick has been engraved and installed at the Muncie, Indiana facility. She sent us a photo, at right, of how it looks in the walk.



2013 RCX Exposition

The Radio Control Expo (RCX) is returning to the Long Beach Convention Center. The schedule is as follows:

Saturday, June 1, 2013	10am – 6pm
Sunday, June 2, 2013	10am – 4pm

Tickets

General Admission Tickets: \$15 at the door (Children under 12 are free)
\$5 off when purchased on line at www.rcx.com

Location: Long Beach Convention Center, 300 E. Ocean Ave. Long Beach, CA 90802

AMA District X Website

The following is taken from the July 2011 edition of "AMA Today", the electronic membership newsletter.

AMA District X Vice President Lawrence Tougas wants to invite AMA members from all districts to enjoy District X's new website. "We have a lot of great articles in our blog, plenty of pictures in our photo albums, and a spot where you can learn more about our associate vice presidents and myself," says Lawrence, District VP. All of the information is at www.ama10.org. Why not consider helping your district with its website?

Be a Concerned Enthusiast – Support the AMA

As discussed in the April 2012 issue of Model Aviation (the AMA publication sent to all AMA members), the federal government has passed the FAA Modernization and Reform Act of 2012, which includes Sec. 336 Special Rule For Model Aircraft. This law prevents the FAA from passing any rule that controls model aircraft being flown under the AMA safety code. The details appear on pages 14 and 15 of the April 2012 issue of Model Aviation. This Act resulted in part by the 90,000+ letters written by AMA members to their representatives.

The AMA will shortly be facing a new FAA regulation called the "small Unmanned Aircraft Systems" (sUAS) rule. In the next several months the FAA will post the preliminary regulation for public review. At this time the AMA will initiate a concerned citizens organization made up of AMA members to express their opinions of the preliminary regulation. To do this rapidly, the AMA will again contact all members by E-mail with instructions on comments and congressional contacts, which means the AMA needs everyone's current E-mail address. If you are not presently receiving occasional E-mail from the AMA, please go to www.modelaircraft.org and update your personal information. It is important for all of us to actively support the AMA especially in this endeavor.



New Developments at Fairview Park

For the past year, the City of Costa Mesa has been making changes to the North end of Fairview Park. Among the new developments have been the construction of a number of pools or small lakes. Recently, the city began filling some of the lakes, and in mid-January Robert Staples requested HSS to make some aerial photos of the lakes. Jim Hanson responded to the request, so we expect to have a more complete report soon. In the meantime, your editor made a few not so aerial photos, shown below.

What is interesting is the layout of the Northern section of Fairview Park. There are 3 to 4 small lakes, plus a meandering stream. It is not clear if the stream will have flowing water, but it looks nice. The lakes have sloping concrete sides, the surrounding land is planted with native vegetation, and there are a number of paved walkways. It appears that some of the landscaping will be grass, and nearly everything has protective fencing. While only a few lakes contain water presently, the depth appears to be between 4 to 8 feet. The city will note the depth. When all lakes are filled, this area will be spectacular.

As a passing thought, your editor could not help to note that the lake shown below has a width of 75 to 100 feet, and a length of 400 or more feet. Even more significant is its position with a heading of South-West, straight into the prevailing breezes. Perish the thought of electric powered float planes?



New Developments at Fairview Park (Continued)

John Rittenhouse has supplied the following photos, much closer than those of your editor. The unfilled lake at the bottom looks fairly large. Thanks, John.



2013 City Flying Permits Available Now

Robert Staples has sent us the announcement (below) stating that City Flying Permits for 2013 are available now for the new price of \$25 per year. Remember to bring your new AMA license. Note that renewal by mail is now allowed. Submit application (available on line), copy of AMA license, and payment.

RENEWAL NOTICE:

The City of Costa Mesa will be accepting renewals for the 2013 Flying Permits beginning about October 20, 2012, at the following locations:

Costa Mesa City Hall (77 Fair Drive, Costa Mesa 92626) – 3rd floor Recreation Counter, during regular business hours from 8:00am – 4:30pm (excluding City observed holidays). Call 714-754-5300 for details.

Temporary permits are issued at the Downtown Recreation Center (1869 Anaheim Avenue, Costa Mesa 92627) between the hours of 10:00am – 1:00pm on Saturdays. For information, call 714-327-7560.

Joyce M. Santos Administrative Secretary - City of Costa Mesa - Recreation Division
77 Fair Drive, Costa Mesa 92626 Phone: 714-754-5009 Fax: 714-754-5166

Note that to fly at Fairview Park you need the above permit, liability insurance (preferably AMA), and you need to follow City of Costa Mesa Ordinance No. 07-01, City Regulations for Issuance, Suspension and Revocation of Permits to Fly at Fairview Park, Academy of Model Aeronautics Safety Code, and the Fairview Park Flying Field Rules which are all posted at Fairview Park and on our web site at www.1hss.org. You do not need to be a Harbor Soaring Society member (but it is good to have you join us).

SC2 Competition Schedule for 2013

Here is the schedule for your Southern California Soaring Clubs (SC2) monthly contests for 2013. Check the SC2 web site at <http://site.sc2soaring.com> for further details and competition results. Check individual club web sites for directions to their flying field.

2013 Contest Schedule

January 20, 2013 Hosted by SULA	July 21, 2013 Hosted by HSS at SWSA
February 17, 2013 Hosted by SWSA	August 18, 2013 Hosted by ISS
March 17, 2013 Hosted by VVRC	September 15, 2013 Hosted by VVRC
April 21, 2013 Hosted by TPG	October 27, 2013 Hosted by DSH at TPG
May 19, 2013 Hosted by TOSS	November 17, 2013 Rain Date
June 15-16, 2013 Hosted by SULA (2-day MOM)	Dec. 2013 Toys for Tots Hosted by SULA & DSH

SWSA - Silent Wings Soaring Association - West Covina – www.silent-wings.org
 VVRC – Victor Valley RC Flyers – Victorville – <http://www.vvrcf.org>
 ISS - Inland Soaring Society - Riverside – www.glideiss.us
 TPG - Torrey Pines Gulls - Torrey Pines, San Diego – www.torreypinesgulls.org
 TOSS - Thousand Oaks Soaring Society - Thousand Oaks – www.toss.freesevers.com
 SULA - Soaring Union of Los Angeles - San Pedro – www.sulaclub.org
 HSS – Harbor Soaring Society – Costa Mesa – www.1hss.org
 DSH – Downey Soar Heads – Downey

The year end final results for 2012 are available at web sites: <http://sc2soaring.com> and www.1hss.org.

Orange County Youth Festival, April 13-14

Once again Joni Whitsitt is managing a booth at the Orange County Youth Festival held at the Orange County Fairgrounds, on Saturday and Sunday, April 13-14. HSS volunteers are needed to man the booth to demonstrate the flight simulator and talk about aircraft on display. These are 4 hour shifts, and are a lot of fun meeting visitors and advancing model aviation. Contact Joni at rwwjo@socal.rr.com if you wish to help. This type of public service is part of what keeps us as a Gold Leader Club.



2013 Fish Fry at Fairview Park

We invite our members to look over the activities listed below, and consider what part you would be interested in contributing to. The event is planned for May 31, June 1, and June 2. Think about manning the booth for a few hours, and then consider demonstrating your favorite type of aircraft. We have a broad group of enthusiastic pilots, and to go out and fly for the fun of it while performing a public service is a nice deal. While the RCX Expo is unfortunately planned for the same Saturday and Sunday, consider how you might fit our Fish Fry event into your schedule.

Lyons Fish Fry Event Plan For Harbor Soaring Society Participation, June 2013

The following plan is proposed as the Harbor Soaring Society (HSS) requirements and activities to participate in the 2013 Lyons Fish Fry, promoted by the City of Costa Mesa. Anticipated dates and times are as follows: Friday May 31 (9AM – 6PM?), Saturday June 1 (9AM – 6 PM?), and Sunday June 2 (9 AM – 6 PM?). Note: We are aware that a cross country foot race on Sunday may draw 5,000 people. The flying venue will not be operational at that time.

HSS will support two venues. The first would be a static model display in the central event area.. HSS plans on providing the following models as part of the static display.

- A flyable scale model of a four engine B-17 with a 10 foot wing span. This spectacular model was on the lead float at the nationally televised Huntington Beach July 4th parade, 3 separate times.
- A solar powered electric research plane with a 14 foot wing span. This model can be statically demonstrated by holding it in the sunlight and exercising the various controls.
- One or more three meter radio controlled sailplane with a 10 foot wing span.
- Several electric powered helicopters will be on display, with knowledgeable members available to describe the models.
- A collection of smaller gliders and electric powered planes, all radio controlled. We will have club members available to explain the basics of flight, and assist visitors in operating the controls.
- Members will have literature about HSS and answer questions about flying. They will then invite the public to walk over to our runway and flying field where we will give flying demonstrations and offer free flying lessons. The second HSS venue description follows.

The second venue will be our runway and flying field. Activities at the flying field will consist of at least the following.

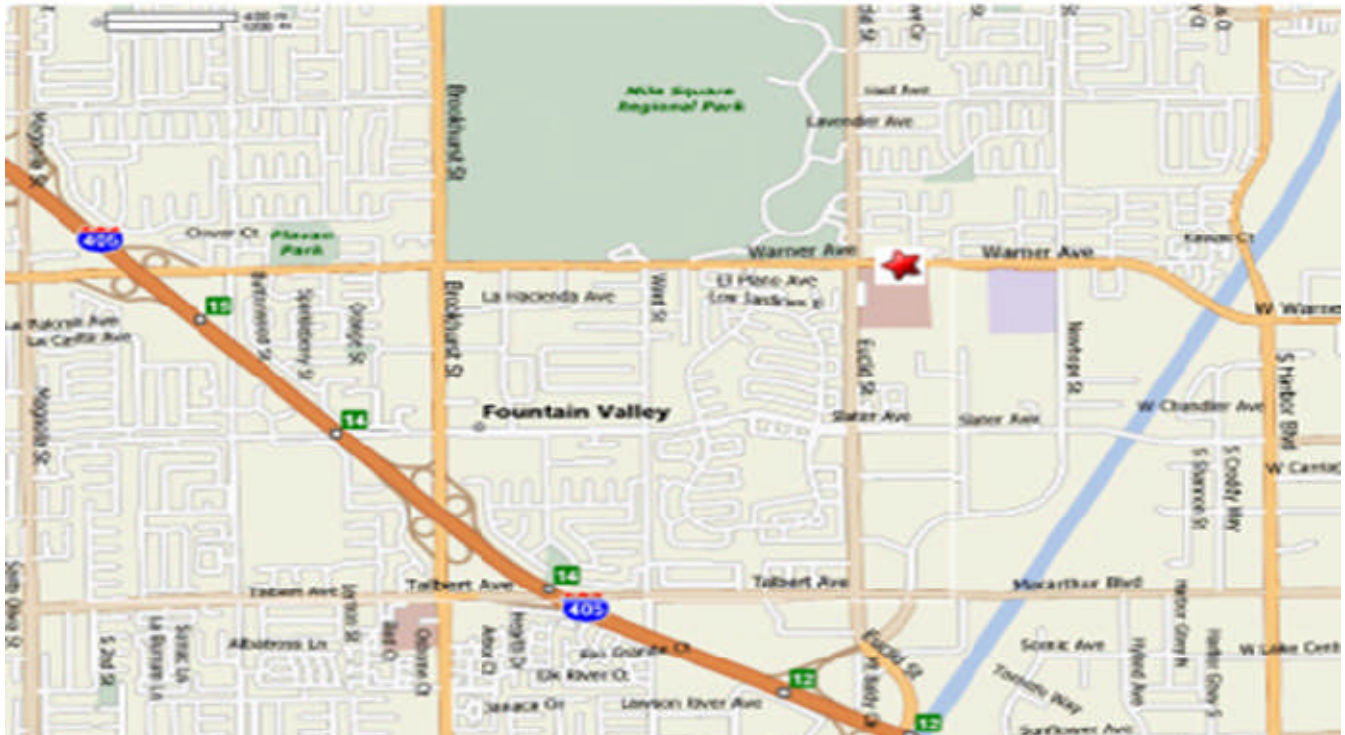
- Electric powered helicopters will be demonstrated by our skilled helicopter pilots who have performed at such events as the Science Fair held at the OC Fairgrounds.
- Electric powered stunt planes will be flown, demonstrating a crowd-pleasing display of aerobatic maneuvers.
- Ducted fan electric powered jet planes may be demonstrated.
- The beautiful sailplanes will be demonstrated with their astonishing high altitude winch launch process, followed by the thermal soaring elegance of these models.
- An aero-tow demonstration will be performed in which an electric powered model tows a 100" span glider from take-off on the runway to a 400 foot altitude, releasing the glider which then soars quietly overhead.
- Optional demonstration of the solar powered model, and drone type aircraft.
- Hand launched gliders will be demonstrated with the discus style of launching.

The public will then be invited to fly a radio controlled electric powered plane or a glider, under supervision of a certified instructor who uses a special dual control transmitter which assures the novice that they can fly the plane without the fear of crashing.



General Meeting Announcement For March 5th 2013

We are returning to our regular schedule with the next meeting on the first Tuesday March 5th at Round Table Pizza, 11095 Warner Ave. & Euclid (North-east corner) in Fountain Valley. Phone number is (714) 839-0276. The Family Night rate is all-you can-eat pizza, plus one salad bar, for \$6.99. Fountain drinks are an additional \$1.99, self-service, or \$2.99 per liter. Beer and wine are available. Bring your wife, family, friends, etc. Bring your favorite plane for show-and-tell. There may be a raffle. The location is shown in the map below. The executive/steering committee meeting begins at 6:15 PM.



2013 HSS Membership

Our 2013 HSS membership enrollment season is in full swing. A membership application is included in the last pages of this newsletter. These can be mailed in to our post office box shown on the last page, or given to a club officer. Alternately, HSS and AMA membership applications can be obtained from any club officer, or available on our club web site at www.1hss.org. Applicants must be members of the AMA prior to joining HSS. **AMA and HSS applications received during October – December 2012 are good for all of 2013 as well.** AMA Membership applications can also be obtained at the AMA web site www.modelaircraft.org, download document No. 902 from the publications page. Or you can apply on line. If you renew your AMA membership online, be sure to print the receipt that they provide as proof that you paid. And, don't forget your City of Costa Mesa Flying Permit. Details are shown on page 4 of this newsletter.

INTERESTING EARLY AMERICAN AVIATION HISTORY

How many of you know that in 1910, mighty Martin Marietta got its start in an abandoned California church? That's where Glenn L. Martin with his amazing mother Minta Martin and their mechanic Roy Beal constructed a fragile biplane that Glenn taught himself to fly.

It has often been told how Douglas Aircraft started operations in 1920 in a barbershop's backroom on L.A. 's Pico Boulevard. Interestingly, the barber-shop is still operating. The Lockheed Company built the first of their famous Vegas' in 1927 inside a building currently used by Victory Cleaners at 1040 Sycamore in Hollywood.



INTERESTING EARLY AMERICAN AVIATION HISTORY (Continued)

In 1922, Claude Ryan, a 24 year old military reserve pilot, was getting his hair cut in San Diego, when the barber mentioned that the 'town's aviator' was in jail for smuggling Chinese illegals up from Mexico. Claude found out that if he replaced the pilot 'sitting in the pokey,' that he would be able to lease the town's airfield for \$50 a month - BUT he also needed to agree to fly North and East - BUT not South!

Northrop's original location was an obscure So California hotel. It was available because the police had raided the hotel and found that its steady residents were money-minded gals entertaining transitory male hotel guests.

Glenn Martin built his first airplane in a vacant church, before he moved to a vacant apricot cannery in Santa Ana . He was a showman and he traveled the county fair and air meet circuit as an exhibitionist aviator. From his exhibition proceeds, Glenn was able to pay his factory workers and purchase the necessary materials.

His mother, Minta and two men ran the factory while Glenn risked his neck and gadded about the country. One of his workers was 22-year old Donald Douglas [who WAS the entire engineering department]. A Santa Monica youngster named Larry Bell [later founded Bell Aircraft which today is Bell Helicopter Textron] ran the shop.

Part of Glenn Martin's business was a flying school with several planes based at Griffith Park , and a seaplane operation on the edge of Watts where his instructors taught a rich young man named Bill Boeing to fly.

Later, Boeing bought one of Glenn Martin's seaplanes and had it shipped back to his home in Seattle . At this same time, Bill Boeing hired away Glenn's personal mechanic. Later, after Boeing's seaplane crashed in Puget Sound , he placed an order to Martin for replacement parts.

Still chafing from having his best mechanic 'swiped,' [a trick he later often used himself] Martin decided to take his sweet time and allowed Bill Boeing to 'stew' for a while. Bill Boeing wasn't known to be a patient man, so he began fabricating his own aircraft parts, an activity that morphed into constructing entire airplanes and eventually the Boeing Company we know today.

A former small shipyard nicknamed 'Red Barn' became Boeing Aircraft's first home. Soon, a couple of airplanes were being built inside, each of them having a remarkable resemblance to Glenn Martin's airplanes .. that, interestingly, had its own remarkable resemblance to Glenn Curtiss' airplanes.

A few years later, when the Great depression intervened and Boeing couldn't sell enough airplanes to pay his bills, he diversified into custom built speed boats and furniture for his wealthy friends.

After WWI, a bunch of sharpies from Wall Street gained control of the Wright Brothers Co in Dayton and the Martin Company in L.A. and 'stuck them' together as the Wright-Martin Company.

Wright-Martin began building an obsolete biplane design with a foreign Hispano-Suiza engine. Angered because he had been out maneuvered with a bad idea, Martin walked out .. taking Larry Bell and other key employees with him.

From the deep wallet of a wealthy baseball mogul, Martin was able to establish a new factory. Then his good luck continued, when the future aviation legend Donald Douglas, was persuaded by Glenn to join his team. The Martin MB-1 quickly emerged from the team's efforts and became the Martin Bomber.

Although too late to enter WWI, the Martin Bomber showed its superiority when Billy Mitchell used it to sink several captured German battleships and cruisers to prove it's worth. He was later court martialed for his effort.

In Cleveland , a young fellow called 'Dutch' Kindelberger joined Martin as an engineer. Later, as the leader of North American Aviation, Dutch became justifiably well-known.

Flashing back to 1920, Donald Douglas had saved \$60,000, returned to L.A. and rented a barbershop's rear room and loft space in a carpenter's shop nearby. There he constructed a classic passenger airplane called the Douglas Cloudster.

A couple of years later, Claude Ryan bought the Cloudster and made daily flights between San Diego and Los Angeles. This gave Ryan the distinction of being the first owner/operator of Douglas transports. Claude Ryan



INTERESTING EARLY AMERICAN AVIATION HISTORY (Continued)

later custom built Charles Lindbergh's 'ride' to fame in the flying fuel tank christened: The Spirit of St. Louis. In 1922, Donald Douglas won a contract from the Navy to build several torpedo carrying aircraft. While driving through Santa Monica 's wilderness, Douglas noticed an abandoned, barn-like movie studio. He stopped his roadster and prowled around. That abandoned studio became Douglas Aircraft's first real factory.

With the \$120,000 contract in his hand, Donald Douglas could afford to hire one or two more engineers. My brother, Gordon Scott, had been schooled in the little known science of aviation at England 's Fairey Aviation, so he hired Gordon.

My first association with the early aviation pioneers occurred when I paid my brother a visit at his new work place. Gordon was outside on a ladder washing windows. He was the youngest engineer. Windows were dirty. And Douglas Aircraft Company had no money to pay janitors.

Gordon introduced me to a towhead guy called Jack Northrop, and another chap named Jerry Vultee. Jack Northrop had moved over from Lockheed Aircraft. And all of them worked together on the Douglas Aircraft's world cruiser designs.

While working in his home after work and on weekends, Jack designed a wonderfully advanced streamlined airplane. When Allan Loughhead [Lockheed] found a wealthy investor willing to finance Northrop's new airplane, he linked up with Allan and together, they leased a Hollywood workshop where they constructed the Lockheed Vega. It turned out to be sensational with its clean lines and high performance. Soon Amelia Earhart and others flew the Vega and broke many of aviation's world records.

I had the distinct pleasure of spending time with Ed Heinemann who later designed the AD, A3D and A4D. He told me how my Dad would fly out to Palmdale with an experimental aircraft they were both working on. They would take it for a few hops and come up with some fixes. After having airframe changes fabricated in a nearby machine shop, they would hop it again to see if they had gotten the desired results. If it worked out, Mr. Heinemann would incorporate the changes on the aircraft's assembly line. No money swapped hands!

In May 1927, Lindbergh flew to Paris and triggered a bedlam where everyone was trying to fly everywhere. Before the first Lockheed Vega was built, William Randolph Hearst had already paid for it and had it entered in an air race from the California Coast to Honolulu .

In June 1927, my brother, Gordon, left Douglas Aircraft to become Jack Northrop's assistant at Lockheed. While there, he managed to get himself hired as the navigator on Hearst's Vega.

The race was a disaster and ten lives were lost. The Vega and my brother vanished. A black cloud hung heavily over the little shop. However, Hubert Wilkins, later to become Sir Hubert Wilkins, took Vega #2 and made a successful polar flight from Alaska to Norway. A string of successful flights after that placed Lockheed in aviation's forefront.

I went to work for Lockheed as it 26th employee, shortly after the disaster, and I worked on the Vega. It was made almost entirely of wood and I quickly become a half-assed carpenter.

At this time, General Motors had acquired North American consisting of Fokker Aircraft, Pitcairn Aviation [later Eastern Airlines] and Sperry Gyroscope and hired Dutch Kindelberger away from Douglas to run it. Dutch moved the entire operation to L.A. where Dutch and his engineers came up with the P-51 Mustang.

Interestingly, just a handful of young men played roles affecting the lives of all Americans as it initiated the So California metamorphosis, from a semi-desert with orange groves and celluloid, into a dynamic complex, supporting millions.

Although this technological explosion had startling humble beginnings, taking root as acorns in - a barber shop's back room - a vacant church - and an abandoned cannery - but came to bear fruit as mighty oaks.

Source: Denham S. Scott, North American Aviation Retirees' Bulletin.



Seen Around the Field

Rob Askegaard's member photos. More next month. Thanks Rob. - Ed.



Erv Szego's 3 meter Shadow.



Erv heading for a launch.



Bret Bayless and his 3-D Hobby Shop Extra/AJ Slick. 71" span, Hacker 850 motor and an 18 x 10 prop.



Sven Backlund and one of his favorite planes.



Looks similar to a Senorita?



Scale Fly-in, Prado Airpark, Chino

Randy Wilbur is Event Director for the annual Scale Fly-in at the Prado Airpark in Chino. This is a great opportunity for HSS members to fly their large scale models that might be too heavy for Fairview Park. Details are shown below.



SCALE SQUADRON OF SOUTHERN CALIFORNIA



7TH ANNUAL SCALE FLY-IN

7, 8, 9 JUNE 2013, PRADO AIRPARK, CHINO, CA

"All Hail to Scale!"



Spectators Welcome! Free Admission!
\$30.00/Pilot Landing Fee, Includes Parking. No Hook-Ups Camping: \$10.00.

"Attention Pilots!"

- Scale Aircraft Only
- Free Pilots-Only Gas Card Giveaway
- Free Pilots-Only Giveaway Drawing
- Free Event T-Shirt for the First 75 Pilots (subject to size limitations)
- Current AMA Required
- 9 Awards Presented:
 - ★ Commander's Award
 - ★ Best Jet
 - ★ Best Biplane
 - ★ Best Military Prop
 - ★ Best WW-I
 - ★ Best Civilian
 - ★ Best Multi-Engine
 - ★ Best Detailed ARF
 - ★ People's Choice
- **NOTE:** No 3D Flying. No Turbines.

Schedule:

Friday: Registration starts at noon. Open flying with PVMAC club members.

Saturday: Registration starts at 7:30 a.m.. Pilots' meeting at 8:30. Noon-time demonstrations.

Saturday Night: Pilot's banquet—only \$20.00 per person for food, fun, and song! And the FAMOUS Squadron Hobby Auction!

Sunday: Flying starts at 8 a.m.. Awards at 10 a.m.. Event flying until 2 p.m..

Food will be available on site for purchase

Details & Registration:
scalesquadron.com

Director: Randy Wilbur
(949) 683-9662
events@ScaleSquadron.com

SPONSORS:
Hobby People, Airtronics, Horizon, Zap, Great Planes, Goodwine Glass, Gyro Hobbies



MAP NOT TO SCALE



Costa Mesa Parks Department Brochure

As was mentioned last month, Robert Knapp, Recreation Manager for the Costa Mesa Public Services Department, had asked for a one page advertisement featuring HSS activities and public services. Below is the advertisement we have submitted. This will be published quarterly in the Parks Department Activities brochure.



COME FLY WITH US!

- As a club, Harbor Soaring Society is celebrating 50 years of model aviation.
- We fly at Fairview, the only park approved for model aircraft in Costa Mesa.
- We have a 50 by 500 foot runway, a 400 foot glider winch launch, and a beautiful cliff for slope soaring.

If you fly radio controlled model aircraft, join us.

- We fly every day, dawn to dusk, in the South West corner of Fairview Park.
- We fly gliders, electric powered planes, helicopters, first person view drones, and indoor.
- We do not allow fuel-powered aircraft, turbojets, or rockets.
- You need a Costa Mesa City Permit, and an Academy of Model Aeronautics (AMA) license.



If you wish to learn to fly:

- We offer free flying lessons to all ages. Our instructors are AMA certified and insured.
- We explain the basic controls of an aircraft.
- We provide the glider or power plane with "buddy box" transmitters. This ensures that you can fly, and the instructor takes over if you get into a problem. Buddy box instruction shown at right.
- We provide free liability insurance. There is no risk to you.

Contact: Walt Cloer (714-865-6411) to join HSS.

Ted Broberg (714-235-6430), Bruce Schaefer (714-814-6412), or John Krug (714-974-3779) for flying lessons.

www.1hss.org for more information about HSS.



Plane Rap Classified Ads and Services - For Sale

This area of the newsletter is free to club members to sell planes, related equipment, and services. Contact Fred Hesse at fhesse@socal.rr.com with any material that you wish to insert here.

Glider Winch For Sale – Reduced Price

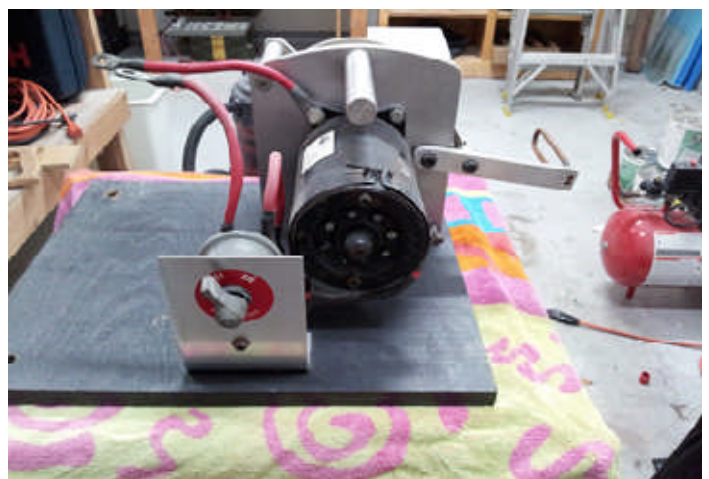
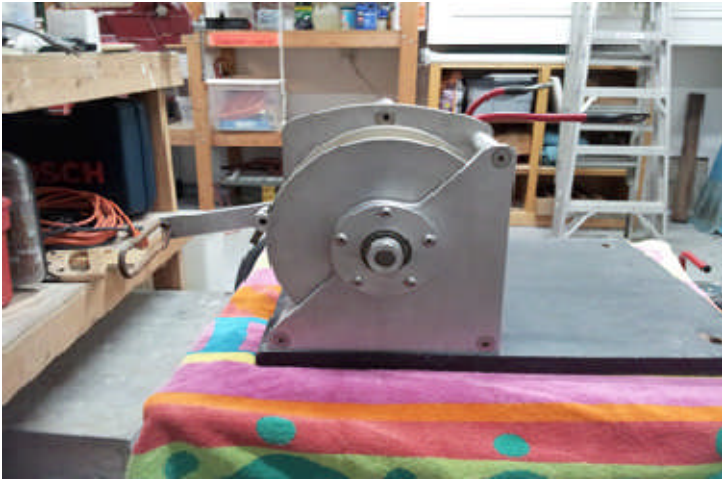
Skip Lindsey is offering the following glider winch for sale. He describes it as follows.

This is an original Basic Aircraft Technology winch built by Bob Harmon in Salt Lake City. These things are industrial works of art.

The winch is equipped with an end plate support bearing which makes for very smooth operation. Powered by a Ford long shaft motor. It should launch just about anything you've got. It should probably be restrung, as I have not had it out for years. It includes a foot switch and turn around. I'd like \$500 for it.

Please call or I'm the original owner and it was used as my "personal" unit when i wasn't flying with the club (Soaring League of North Texas). Please call or text Skip at [949-235-8543](tel:949-235-8543), or Email: skip.lindsey@gmail.com

. The following photos show the winch components.



Custom laser cutting services are now provided by GDH Planes, in addition to manufacturing kits. With the currently weak Canadian dollar (we are a Canadian company), it is a great time to use our services and take advantage of the exchange rates, adding to our already reasonable rates (US\$1 is currently equal to about \$1.157 Canadian). Should any of your members require this service, please have them visit our web site at www.gdhplanes.com or email us at LaserCutting@gdhconsulting.ca . Regards, Glen Harbottle President GDH Consulting Corp. Tel: 905-668-2326 glenh@gdhconsulting.ca



Plane Rap Classified For Sale (continued)

Super Stearman for sale by Michael Fetyko phone: 949-295-6607, email: mfetyko@yahoo.com

Can come with or without electronics.

\$1,100 Bind and fly

\$1,400 With Qty (2) 10s Lipos

\$350 Great Planes 1/5 scale Super Stearman

\$450 Neu Motor - 1515 2Y 1100 KV with 6.7:1 gearbox (Fin version)

\$150 Castle ESC - HV85

\$175 Polycon Lipo 10S 5000 mah 30C

\$100 (4) JR DS821 servos

\$75 Spektrum AR7000

\$50 Spectrum TM1000 Telemetry module with Heat and Volts



HSS Sponsors

The following companies are the proud sponsors of Harbor Soaring Society. They give us special offers, and make contributions to our Adopt-A-School program. In return, please support them, and mention that you saw them advertised in the HSS Plane Rap newsletter.

ROB'S R/C HOBBIES

Sales / Parts / Repair

**Radio Control Airplanes, Helicopters, and Cars.
15071 Goldenwest St. Huntington Beach
S.W. Corner of Goldenwest & Bolsa Ave
(714) 372-3777**

All HSS Club members with proof of club membership, will get a 10% discount on most parts and accessories. Discount does not apply to plane kits, helicopter kits, radios, and other already marked down products. Please ask staff if you have any further questions.

Robsrchobbies.com

robsrchobbies@earthlink.net

ADChobbystore.com
ADC Signature Series ARF Kits
ADC Vinyl
 Free Shipping on All Orders Exceeding \$100.00 or more to the lower 48 States in the USA (Oversize Orders Excluded)
<http://www.adchobbystore.com/> Phone 949-285-9849

HOBBY CLUB

"Only the best from around the World"

Alberto Dona

Director *www.HobbyClub.com*

P.O. Box 6004



HSS Sponsors (continued)

RC Electric Supplies
Motors, Batteries,
Propellers, etc.
Vinyl Lettering
Decals
Carbon Fiber
Landing Gear



Competitive Prices!

Goat Hill Hobbies & Graphics

Jim Hanson
331 Hamilton St.
Costa Mesa, CA 92627
(949)294-8365
e-mail tog4rc@pacbell.net

GYRO HOBBIES

23052 LAKE FOREST DRIVE, UNIT 2-C

(Lake Forest Drive and Moulton Parkway, by the 5 Freeway)

LAGUNA HILLS, CA 92653

Phone: 888-748-7697

www.gyrohobbies.com



HSS Sponsors (continued)



CLUB MEMBER NEWS

★ New Products ★ Deals ★ Events ★ Coupons ★

March 2013

New Servo Line at Hobby People!  **In Stores Today!**



Value Without Compromise.

<p>LS-37A BB Standard Servo, Analog No.180137 Weight: 1.3oz (37g) Size: 1.59x.78x1.52in 4.8V Speed: 0.16sec/60° 6.0V Speed: 0.14sec/60° 4.8V Torque: 83oz-in 6.0V Torque: 97oz-in List \$17.40 Our Price Only 13⁹⁹ Compares To Hitec HS-485HB @ \$17.99 You Save \$4⁰⁰</p>	<p>LS-11A BB MG Micro Servo, Analog No.180110 Weight: 0.39oz (11g) Size: 0.91x0.47x0.98in 4.8V Speed: 0.12sec/60° 6.0V Speed: 0.10sec/60° 4.8V Torque: 31oz-in 6.0V Torque: 35oz-in List \$16.20 Our Price Only 12⁹⁹ Compares To Hitec HS-65MG @ \$30.99 You Save \$18⁰⁰</p>	<p>LS-9A Micro Servo, Analog No.180109 Weight: 0.32oz (9g) Size: 0.91x0.47x0.98in 4.8V Speed: 0.11sec/60° 6.0V Speed: 0.09sec/60° 4.8V Torque: 26oz-in 6.0V Torque: 29oz-in List \$9.40 Our Price Only 7⁹⁹ Compares To Hitec HS-55 @ \$9.99 You Save \$2⁰⁰</p>	<p>LS-11D BB MG Micro Servo, Digital No.180309 Weight: 0.39oz (11g) Size: 0.91x0.47x0.98in 4.8V Speed: 0.12sec/60° 6.0V Speed: 0.10sec/60° 4.8V Torque: 31oz-in 6.0V Torque: 35oz-in List \$21.10 Our Price Only 16⁹⁹ Compares To Hitec HS-5065MG @ \$37.99 You Save \$21⁰⁰</p>	<p>LS-17D BB MG Micro Servo, Digital No.180317 Weight: 0.62oz (17g) Size: 1.16x0.46x1.19in 4.8V Speed: 0.13sec/60° 6.0V Speed: 0.11sec/60° 4.8V Torque: 42oz-in 6.0V Torque: 49oz-in List \$24.90 Our Price Only 19⁹⁹ Compares To Hitec HS-5085MG @ \$46.99 You Save \$27⁰⁰</p>	<p>LS-50D BB MG High Torque, Digital No.180345 Weight: 1.76oz (50g) Size: 1.57x0.78x1.61in 4.8V Speed: 0.16sec/60° 6.0V Speed: 0.15sec/60° 4.8V Torque: 195oz-in 6.0V Torque: 209oz-in List \$43.50 Our Price Only 34⁹⁹ Compares To Hitec HS-5645MG @ \$46.99 You Save \$12⁰⁰</p>
--	--	--	---	---	---

LHS Servos: More Power at a Lower Price!



Hobby People CLUB COUPON



Hi-Energy Receiver Battery 6.0V
2200mAh NiMH
Flat, JR/Z Conn
No. 233808
Reg \$19.99



Half Price, Only \$9⁹⁹ ea.

With This Coupon. No Limit.

March 1 through March 31, 2013
Retail store sales only, must present coupon at time of purchase for discount.
Cannot be combined with other offers.

To be on our mailing list, please fill out the form below.
 I am already on your mailing list. You have my information.

Name: _____

Address: _____

City: _____

State: _____ Zip: _____

E-mail Address: _____

All information will be held strictly confidential.
We will not sell or share this information outside Hobby People.

Find A Store: 1-866-HOBBY4U

hobbypeople.net





HARBOR SOARING SOCIETY MEMBERSHIP APPLICATION FOR 2013

P.O. Box 1673
Costa Mesa, CA 92626
AMA Chartered Club # 128

AMA's Oldest Chartered Soaring Club Gold Leader Club, 2012; Silver Leader Club Since 2009

I understand that by applying for membership in the Harbor Soaring Society, I must be a current member of the AMA. Please Print

NAME Home Ph.#

ADDRESS Work Ph. #

CITY STATE Zip E-MAIL

AMA # (PROOF OF STATUS REQUIRED, Xerox copy OK)

DATE OF BIRTH Frequency channels used

- NEW APPLICANTS (Without Name Tag)--(17 years and older) = \$20.00
SENIOR MEMBER (Renewal W/O Name Tag)(17 years and older) = \$20.00
JUNIOR MEMBER -----(16 years and under), = \$10.00
Optional or Extra HSS Name tag----- = \$15.00; including mailing
I hereby give my permission to publish my [NAME], [ADDRESS], [PHONE], [E-MAIL ADDRESS] in the monthly newsletter.
I request E-mail delivery of the monthly newsletter.
I request printed copy of the monthly newsletter by U.S. Mail.

My interests in radio control flying include (Check all that apply including future interests):

- Thermal Duration Gliders Slope Soaring Gliders RES Gliders
Large Scale Gliders Hand Launched Gliders Electric Motor Gliders
Park Flyer Electric Planes Acrobatic Electric Planes Scale Electric Planes
Electric Pylon Racing Indoor Electric Planes Electric Helicopters

New applicants making application between November 1st and December 31st will pay the annual rate indicated above and such dues will make the new member paid in full from November 1st through the following year.

The undersigned attests that: I will operate my model using only radio control frequencies currently allowed by the FCC. Further, any transmitter that I use at any designated HSS flying field must be manufactured to meet the AMA/FCC specifications for model aviation.

SIGNATURE: DATE

Total dues owed and attached: \$

SIGNATURE OF CLUB OFFICER RECEIVING APPLICATION



HARBOR SOARING SOCIETY OFFICERS FOR 2013

President	Walt Cloer	714-865-6411	waltcloer@gmail.com
Vice President	Jesse Calleros	714-543-0581	jesscall@sbcglobal.net
Treasurer	Dennis Anderson	714-531-1320	dba999@pacbell.net
Secretary	Ted Broberg	714-235-6430	tbroberg@earthlink.net
General Director	Henry Smith III	714-322-6537	henry.smith.3@earthlink.net
Contest Coordinator	Henry Smith III	714-322-6537	henry.smith.3@earthlink.net
Safety Officer	Dave Whittington	949-872-0182	pincus4iondave@yahoo.com
Editor	Fred Hesse	714-963-5838	fhesse@socal.rr.com
Publisher	Mike Gaczkowski	949-582-9390	mgaczkowski@cox.net
Club Photographer	Rob Askegaard	714-968-1973	rmaskegrd@gmail.com
Web Site Administrator	Henry Smith IV	714-865-9624	hank.4th@gmail.com
Assistant Web Admin.	Dick Odle	714-960-5161	thermals1@verizon.net
Flight Instructor	Ted Broberg	714-235-6430	tbroberg@earthlink.net

See our web site at www.1hss.org, our photo site at <http://picasaweb.google.com/rc.goat> ,
and our YouTube site at <http://www.youtube.com/user/hssletsfly> .

NEXT CLUB MEETING WILL BE:

TUESDAY MARCH 5th 2013, AT ROUND TABLE PIZZA, 11095 WARNER AVE.

HUNTINGTON BEACH, GENERAL MEETING 7-9 PM, EXEC MEETING 6 PM.

BRING YOUR FAMILY, WIFE OR GIRL FRIEND (DEPENDING ON WHOSE TURN IT IS), AND FRIENDS FOR DINNER. BRING YOUR FAVORITE PLANE FOR SHOW AND TELL. WE MAY HAVE A RAFFLE. SEE DETAILS AND INSTRUCTIONS TO LOCATION ON PAGE 7.

SEE THE COLOR NEWSLETTER SENT BY E-MAIL AND AVAILABLE ON OUR WEB SITE.

