



1/12th scale electric-powered P2V-7/SP-2H

Dave Plummer
Bellevue, WA



Cactus Classic - Flying Circus



March, 2006
Volume xiv, Issue 3

PEAK CHARGE

Monthly Meeting
Aerospace Museum
Balboa Park
4th Tuesday
7:00 PM, March 28

*Dedicated to the promotion of electric propulsion
in all types of aeromodeling*

Electroglide
Saturday
following Meeting
9:30 AM, April 1



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Mission Statement

The objective of the Silent Electric Flyers of San Diego is to promote and further the technology of electric powered R/C aeromodeling; encourage competition in Electric Soaring, Pylon Racing, FAI-F5B/D, Scale, Old Timer, and Pattern Electric categories by hosting major Industry-sponsored events and sanctioning "Fun-Fly" types of contests; provide forums for the exchange of technical information, instruction and experience; and participate in demonstrations of electric propulsion in area-wide model aviation events.

The Cover

by Bill Fee

Over the years, I have tried to add a little spice (or at least variety) by occasionally selecting cover backgrounds other than Mission Bay.

When our F5 teams returned from Switzerland it was an Alpine waterfall. Two years later it was York, England. More recently I have Used San Diego Harbor and the Wild Animal Park.

This time I take you to the North County city of Encinitas and an uninhabited area right off I5 known as "the Hall property". This shot was taken from the Southeast corner looking West from Somerset. It would make a nice small regional flying field, but the city intends to proceed soon with their recreational park development plans.

Much of America flysover undeveloped land like this. We are truly fortunate to have our Mission Bay site. Be considerate of our neighbors and observe all club flying rules. Otherwise, we may be put out to pasture (see cover) somewhere in East county.

Aerospace Museum
Monthly Meeting site



Field

AMA Charter Club 3078
Flying Field GPS Coordinates
Latitude 32.7625480 Longitude 1721415
web site: <http://sefsd.org/> Zip Code 92109

Schedule of Events

March 18 Eteetric T-6 Race Palomar R/C Field
March 18- 19 IMAC event Bakersfield CA.

April 1-2 IMAC event Las Vegas Bennett field LV NV.
April 8th Fun fly Races Chula Vista Model & R/C Club field
April 15 Eteetric T-6 Race SEFSD Field
April 29-30 IMAC event Tucson, AZ

May 4-6 MWE Spring Fling SEFSD Field
May 20-21 IMAC event Riverside CA
June 24 Eteetric T-6 Race Weed Wackers Field.

June 10-11 Flying Cirkus event Chula Vista Model & R/C Club field
June 24 IMAC event Whittier Narrows Whittier CA

August 17- 26 Electric World Championships Petesti Romania
August 19 Eteetric T-6 Race Miramar R/C Flyers Field



You know him



Jim Luster's 13 ft wingspan electric **P-38G**

It will have Fowler Flaps, Century Jet retracts, Neu motors, with 30x20, 2 blade props. The main gear wheels are 8.5 inches in diameter

Pictures by Don Madison



Do you know this young man?
If you can identify this famous person (it's NOT Shirley Temple) and the plane, you may be eligible to win an unidentified prize .

In a future issue all will be revealed: the individual's identity, the plane and its history. Those were the days when airplane was spelled aeroplane, and aluminum was aluminium.

We plan to offer something old and something new. They say you can't please everybody, but we're gonna try.

The President's Corner

By Steve Manganelli



Greetings all. Let's start with the poop about the poop! As of today and on an ongoing, indefinite basis, we have our own sanitary facility, as decided upon by the Board of Directors. No more walks to the boat launch ramp for those calls to nature. There are have been some reservations about the permitted location at the Southwest corner of the pit area, but that was non-negotiable from the City Management. Suffice to say that the S__house is not a target for Kamikaze missions, OK?

Next, I'd like to thank all those who've already signed up for helping out at MWE coming up fast on Cinco de Mayo Weekend, 2006. The response at the February meeting was excellent! I've deliberately broken up the work into 1/3rd day increments with the intent that you be able to work a little and fly a lot! This event is not just for out of towners, it is for all of us. We have all the usual assortment of fun events to be interspersed among the fun flying. Scale promenade, Electroglide, T-6 racing demos, Fastest Foamy, 3D demos and of course, the crowd favorite, the dreaded Limbo-Combat. Something new this year and thanks to Pedro Brantuas, we already have merchandise sponsors to third place for all events! Check out the advertisement on our Website and for an event listing and a schedule of events; I'm excited already! A precise amount hasn't been decided yet, but the entry fee will be discounted for club members and even further for the members who work. There are still plenty of worker slots available on all three days and no experience is necessary. So give me a call or E-mail me as to when you'd like to participate, OK?

If you recall, last October's meeting, Ms. Sarah Houts, leader of the UCSD American Institute of Aeronautics and Astronautics Student Design/Build/Fly

Team, gave us some insight into this International competition of undergraduate teams. The competition is really heating up now with papers describing the design-development process due last week—and forty some odd student teams did so, a participation record! One of the reasons the event is getting so popular is that participation is a stepping stone to employment in the red-hot UAV field. Summarizing the competition, this years mission requires as light an electric powered model airplane as possible that can carry a 24" wood "4 X4", (2) or more 2 liter soda bottles (yeah, full bottles) and (48) tennis balls in separate sorties. The model with each payload must be wheels off in 100' further complicating the design. The scoring is based on the paper score, the time of the payload changes between missions, and the lightness of the model. The competition will take place this year at the Cessna Aircraft facility in Wichita Kansas on April 22nd through 24th. I'm their senior design advisor and Steve Neu is their pilot; expect to see test flights of "Tempes Volat" at our field in April and a report on the competition in May's PEAKCHARGE. I've been doing this for several years now and each time the variety of models the students cook up to execute the same mission astounds me! If you want to read up on the Competition go to www.ae.uiuc.edu/aiaadb/ . If you take the trouble to look at the website, don't miss the Question and Answer Archive to get some insight on what the students are thinking relative to designing their entry.

Next, I want to briefly mention a new event on our Calendar scheduled for one day, the 22nd of July. My hero of the 2006 F-5B Team Selection Contest Jim Bonnardel is organizing a fun event to collect up some of the virtual posters of the Watts Up Flyers and get 'em out in real life to show off their stuff. This will be the kind of low pressure, fun event along the lines of what Tim Attaway has done for us in past. Jim being very organized, has already got info to our

webmaster so you can see the details there. The Board has elected to sponsor this event somewhat to defray entry fees so obviously, SEFSD members are encouraged to participate.

Finally, I want to thank those whom have already contributed photos for "Silent Electric Flyers of San Diego Historical Photo" section of PEAKCHARGE. Recognizing the realites of printing a publication, there will always be corners here and there for small articles, photos, etc. The more of these we get, the more PEAKCHARGE will be about us and the less it will be filler that's not about us and probably available off the almighty Internet. Bill suggested I clarify the rules of engagement, so verbatim, here are the rules as listed on the top of the Input form. " Please make yourself infamous by sending in your stories and photos about yourself in aviation related subjects of yesteryear; associated with either model or full scale. The picture will be scanned and returned to you, and a story will be composed using this information. If you want to be anonymous, you may, or we'll ask people to guess who it is. Simple rules : the picture must include a recognizable face (at least by his wife and/or dog) of a member and be at least 20 years old if of a model and any age if of a 40 year or older full scale subject. Can't guarantee the story will appear in the immediately succeeding issue of PEAK CHARGE, but it will appear." The rest of form then just collects basic news type "Whom-What-When- Where". Thinking about it, a modern photo of you standing next to a 40 year old airplane in a museum wouldn't be appropriate unless you flew in one yourself way back, and have a story to tell about it. I know of at least 2 members who have their own 40 year old airplanes, we'd love to hear about adventures with those, what do you think?

San Diego Electroglides -- February
4 March 2006

In the many months since starting the Open Electroglide Class, and the two months since starting the Standard Class, we haven't had a great rush of competitors! The "regular" San Diego Electroglide still seems to be preferred. This month we decided to fly the two newer classes together, and they are so indicated on the following score sheet. Unless we have a much bigger showing next month, we will follow this format. However, I urge you all to seriously consider the Easy Glider as a fine associate with your regular Electroglide vehicle. You can set the whole ship up for less than \$150, and trust me, it's great fun to fly and a good performer as well.

The March Electroglides will be Saturday, April 1. Join us for all three events, with the San Diego Electroglide starting at 9:30.

Don Wemple

The February San Diego Electroglide

| Pilot | Freq. | Model | Toss 1 | Toss 2 | Toss 3 | Total |
|----------------|-------|------------|--------|--------|--------|-------|
| Pedro Brantuas | 48 | Lil Bird | 49 | 40 | 36 | 125 |
| Don Wemple | 43 | Sky Sergio | 46 | 26 | 34 | 106 |
| Zeke Mazur | 29 | Lil Bird | 26 | 26 | 40 | 92 |
| Frank Smith | 30 | ? | 19 | 24 | 48 | 91 |
| Roger Pedersen | 55 | Pulsar | 18 | 41 | 32 | 91 |
| Fred Daughery | 15 | Ascent | 23 | 24 | 22 | 69 |
| Dick Kantner | 32 | Thud III | 0 | 31 | 24 | 55 |

The February Open and Standard Class Electroglide

| | | | | | | |
|--|----|-------------|----|----|----|----|
| Zeke Mazur (14 Oz. outrunner motor) | 29 | Lil Bird | 24 | 39 | 21 | 84 |
| George Sullivan (with Lipo's) | 12 | Easy Glider | 22 | 27 | 33 | 82 |
| Don Wemple | 43 | Easy Glider | 23 | 27 | 23 | 73 |
| Jim Shadwick (with Lipo's) | 45 | Easy Glider | 18 | 27 | 13 | 58 |

4

Don't aim it at the plane!

Ever had the situation where your plane is flying just fine and you are coming in low for a landing, when all of a sudden the plane does something really weird...totally out of your control? You probably thought your plane received a radio interference "HIT." More than likely, you caused the out-of-control situation by pointing your transmitter's antenna at the plane!

Just last week, at our flying field I saw a fellow totally destroy a beautiful pattern plane when it violently augered into the ground. The plane had been flying low, toward the pilot, and the pilot was pointing his transmitter antenna at his plane. Since the plane's receiver antenna was basically streaming along the plane's centerline, both transmitter and receiver antennas were, for the moment, pointed at each other resulting in total loss of communication...and of course, any control of the plane.

Did you know that the thirty-to-forty inch (quarter wavelength) antenna on your radio radiates essentially ZERO radio energy in the direction pointed? Maximum energy from a quarter wavelength antenna occurs at a right angle (90 degrees) from the axis of the antenna. There is an almost straight line relationship between energy transmitted (or received) and the angle from the antenna axis. It starts at zero output in the direction of the antenna's axis; then it goes up to a maximum at 90 degrees from that axis.

So now, when you are flying, especially when coming in on a low approach for landing, be sure to position your antenna at a right-angle to the plane. Do this every time and you will likely never again be plagued by a so-called radio "HIT."

Walt Jellison

Those of you who missed the February meeting missed out! Bob from Astro flight gave a great presentation and some insight on lithium battery care. He donated a 109 lithium charger for the raffle. Steve Belknap donated a NEU motor which will be one of the prizes for March. Tool night for the March raffle. We will have an assortment of hobby tools for you: a bench top drill press, a mini grinder with flex shaft, a Roto tool, a Roto accessory kit, a drill / driver set, cold heat solder tool with solder, a couple of "performance" tested brushless motors, and some miscellaneous items. Hope to see you on the 28th for the March meeting. Don't forget to sign up for help with the upcoming MWE 2006.

There were some comments on the shortage of the NUMBER of prizes for the Raffle. Well the RTF helo was \$150.00 out the door and the clamp on multi-meter was \$50.00 out the door. I run the raffle on the amount of ticket sales from the prior month. Low sales = low prizes, simple as that! Lots of little stuff or a couple of big items, your call! I just work here for free.

FYI. To those of you who live in Santee, We have been working with the AMA, the Parks and Recreation Department and the City Council laying the ground work for a permanent Electric flying site. We currently fly at the city park next to the YMCA off Cuyamaca / Hoffman Ln. on Sunday mornings + / - 8:00 Am. 619- 562-3774 for more info. My home number. Leave message.

Safe Landings, *Robert Abel, Raffle*

Minutes from the February Meeting

by David Fee

Introduction-

Steve Manganelli called the February meeting to order on 2/28/06 at 7:02PM. The "usual suspects" were in attendance. There were no visitors who wished to make themselves known, but we had a headcount of 40. It was quite a nice turnout for our guest speaker.

General Announcements-

Our very own Pedro Brantuas placed First in Intermediate Class at the recent aerobatic competition in Arizona. Congratulations Pedro!!

The first Electric T-6 race is coming soon! Dates and locations are as follows: March 18 Palomar R/C field, April 15 Silent Elect.Flyers, May 6&7 Silent Elect.Flyers, June 24 WeedWackers Field (tentative), Aug 19 Miramar R/C Flyers. See the Electric T-6 website for more information. <http://www.electrict6racing.com/>

Steve announced the historical photo worksheet he has been passing out recently. If you are one of our more senior members and have a vintage photo of yourself with either a model or full-scale aircraft then please fill out this form and submit it, along with the photo, for publication in Peak Charge. The photo will be returned to you in perfect condition. Have no fear.

The MWE/Spring Fling is coming May 5-7. Volunteers are needed to help with impound, registration, as well as everything else! Please contact Steve Manganelli if you can help out.

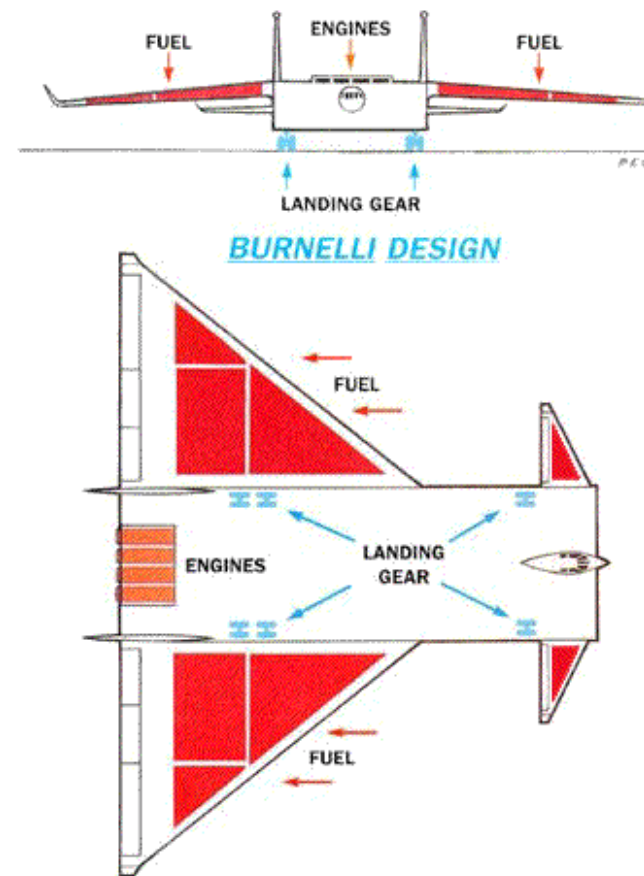
There have been requests from the membership that the club rent a Port-a-Potty. This will cost roughly \$70 per month and the city has required that it be placed at the West end of the runway, in the pits. The Board of Directors has voted to rent one on a trial basis to determine the long-term practicality for our club.

Show & Tell-

Steve Neu brought a new F5B model from Sergey Sobakin. The new models are longer and skinnier, with a greatly increased aspect ratio on the wing. The tailboom is also longer than before. The result is a very fast and stable model which is able to enter the course in a more controlled fashion with reduced sideslip. This means more speed!

Steve also brought the new "Swift" helicopter from Century RC Helicopter Products. It is a LOGO-10 size heli and is available in ARF form for only \$250!

Also new and exciting are some 3000mAh Lithium round-cells available from Milwaukee power tools. These are capable of 10-15C discharge rates and have a very nice price.



Burnelli design segregates main fire causes

This Month's Program

by Doug Rubin

This month's guest speaker is Gary Goodrum from TPPACK.COM. Gary makes electric conversion kits for many helicopters. He will be showing his newest batteries and motors and conversion kits and we will have some cool videos to see!

Tell everyone about our meeting and please bring a friend!
See you in the pits!