

PEAK CHARGE

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

SEFSD Newsletter

May 2000

Volume X Issue IV

CALENDAR

MAY 2000

May 17 meeting

JUNE 2000

June 21

May Meeting

Agenda

Some old business
and
Some new business
and

ANNUAL SWAP MEET

Raffle Prizes

"Miss 2" Old timer ARF
Astro Flight 215D ESC
Slot Machine
(2) Hitec HS-81 Servo
Hitec Feather Flight
Pack with Receiver + 2
HS-55 servos

CALCULATE YOUR WING AREA

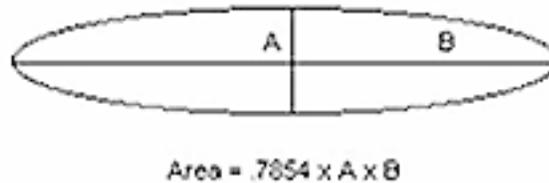
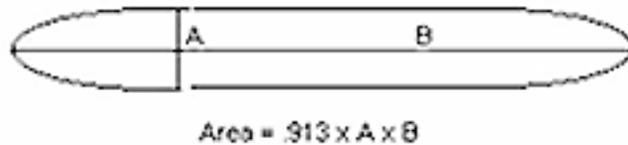


Figure wing area using formulas above by picking the wing shape that best matches your plane.

Wing loadings are figured by dividing the wing area of your plane by 144 to convert square inches to square feet. Then divide the weight of your airplane by your wing area in square feet. Wing area in sq. in. / 144 = wing area in sq. ft. Weight of model in ounces / wing area in sq. ft. = ounces / sq. ft. of wing loading.

To figure a minimum weight for a wing area, you divide wing area in square inches / 144 to get wing area in square feet. Multiply wing area in square feet by minimum weight in ounces per square foot desired which equals target minimum weight. Sq in. wing area / 144 = ounces / sq ft. ; ounces / sq ft. x min ounces per sq ft desired = target minimum weight.

(example: a plane with 485 sq in of wing area and we want a target minimum wing loading of 20oz / sq ft. (485 sq.in. / 144 = 3.37sq. ft. x 20 oz. per sq.ft. = 67oz target minimum weight of airplane.)

Silent Electric Flyers of San Diego

Club Information

Web Site: <http://sefsd.org/>

2000 Officers:

President Wayne Walker

284-6119 wayne.walker@daou.com

Vice President Bill Knoll

582-2443

Secretary Cliff Vaughn

449-6941 pcat18@concentric.net

Treasurer Mike Neale

674-1378 MichaelWNeale@aol.com.

Co-editors Charlie White

223-8903 charliwhite@home.com

Bob Davis

277-8034 RD5677@aol.com

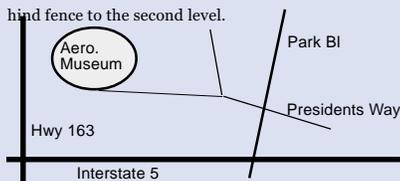
Safety Steve Neu

284-0816 SNEU@aol.com

Monthly Meeting

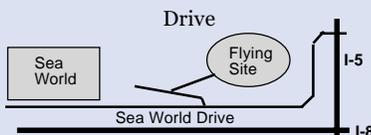
Held third Wed. of each month
(no Dec. meeting), 7:00 PM at the
San Diego Aerospace Museum.

Park at the rear left (south-west side) - use stairs behind fence to the second level.



Flying Site

Located one half mile East of Sea World
on Sea World Drive at South Shores



Membership or Subscription:

\$25 per year, \$15 for subscription only. \$10 for under
18 or additional family member. Contact Mike Neale at
17140 Tam O'Shanter Dr., Poway, CA 92064.

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.



President's Corner

Wayne Walker

Here it is spring already and Daylight Savings Time is upon us, that means some of us will be out at the Mission Bay Flying Field after work on Thursdays and will give instruction to anyone wanting advanced or competition training.

The last two Saturday afternoons several of us have gone over to UCSD to put on demonstrations for the School of Engineering's Outreach program. I would specifically like to thank Bruce Cronkhite for the help with supplying the trainers, a very big hit! Bill Knoll, Steve Neu, Jeff Keesaman, and Steve Belknap all donated their time, efforts and aircraft to make this a great hit with the High School Students that came out to get an overview of what engineering and a career in engineering is all about. The program was organized and led by Andrew Mye, the Team leader of the UCSD AIAA student Design, Build, & Fly contest that they just completed for this year. The full report of their success in the International Contest will be in the Peak Charge. They've already started making plans for the next contest. The school has given permission for there to be a course and continued funding next year, so it looks very promising. Next year they're going to get a 1st place!!

I just got a copy of Paul Naton's "Electric Airshow" video. It's the best done electric video I ever seen!! It's very professionally made and really catches the excitement of flying electric models. He shows off the best of all types of models and the great flying we had at the Midwinter Electric Fly In. We'll try to show some of it at the June meeting. Paul has a web site at "RadioCarbonArt" but I can't find the exact address, I or Steve B. will have it at the meeting for sure.

The May Meeting will be our Annual Swap Meet, so be sure to bring that little jewel that you no longer fly or needs some TLC to get it back in good condition. Now's the time to clean out the shop and bring your piggy bank to buy someone else's neglected treasure!

Letters To The Editor

The following letter(s) represent the viewpoints of the individuals who wrote them, and should not be misinterpreted as those of the club as a whole, Peak Charge, or the editor. Letters are always appreciated.

Last month PEAK CHARGE presented a proposal for an additional/replacement logo for the club. At that time a request was made for comments. The following was the only comment received.

I am the originator of the present logo.

I got the plane picture and lightning bolt from its designer Brian Chan. The current logo can be put on any thing you want and worn to represent the club. It can be silk screened or done in embroidery.

We do not need another logo it would just cause confusion.

I know that some people do not like the cartoonish plane emblem. The plane could be changed, however, I believe it signifies the fun that we have with our hobby. Also, the lightning bolt signifies electric power and the antenna signifies radio control.

We do not need the confusion of two logos.

Chuck Grim

One of the four founding members of SEFSD



April Meeting Minutes

By Cliff Vaughan

The April meet had a turnout of 35 people, three less than last month.

Don Wemple announce the start of a new monthly contest to be held the Saturday after the monthly meeting. A LMR (limited motor run) using speed 400 planes (6.0 volt motors) and seven cell packs, no prizes or ribbons, just bragging rights. Looks to be real fun.

Harold Reed presented tool time and gave a demonstration on making gear box/ motor adapter using hand tools.

Ron From the Hobby People (Shack) Kearny Mesa Store along with Mike Greenshleds The product Manger of Hobby People gave a nice over view of new products for electric flight, several new planes, some

available now and the rest in the next few months. They also contribute a ARF motor glider kit and many other fine prizes to the nights raffle. Not only that they also gave each member in there two bottles of CA glue and a folding Prop!

Show and tell had Mike Holland with his Whisper motor glider and Wayne Walker and Bill Knoll with their new speed 400 Adrenlian planes A video on the Student Design / Build / Fly Competition held in Kansas was the highlight of the evening, very entertaining.

All I can say is The raffle was great, with great prizes and from what I could see lots of tickets sold. Ya Should've been there!

One old chestnut that PSA revitalized was the old one about the anonymous voice that comes over the radio and says, "Tower, what time is it?"

The tower responds, "Who is this?"

The answer comes back, "It doesn't make any difference who this is, what time is it?"

"Well", says the tower, "if you are Cessna 1234A, it is 2 in the afternoon, if you are the Army helicopter, it is 1400, and if you are the Marine helicopter, Mickey's big hand is on the twelve and his little hand is on the two..."

To which PSA added "... and if you are PSA, it is still Tuesday."



SANYO
NORTH AMERICA GROUP

A party you won't want to miss!

August 2-13, 2000

International Electric Flight Festival 2000 — August 3 - 6
Non-World Championship Event all competitors are invited!

Thursday, August 3: Sunrise to Sunset Contest, F5D, F5B, F5B 600 & F5B 7-Cell, Beach Party and BBQ, Sunrise to Sunset Awards

Friday, August 4: F5D, F5B, F5B 600 & F5B 7-Cell

Saturday, August 5: Class A Old Timer, Class A and B Sailplane, Sport Sailplane

Sunday, August 6: Fun Scale (Electric), F5A, Speed 400 Pylon, Racing and F5C Demonstration

Ron Scharck, Director
Electric Flight World
Championships 2000
E-mail: scharck@kw.com

Wayne Walker, President
Silent Electric Flyers of San Diego
(619) 284-6119
E-mail: wayne.walker@dacu.com

For complete details, accommodations, activities and maps
please visit our website at: <http://www.sefsd.org>

2000 F5B / F5D World Championships — August 6 - 12

Sunday, August 6: F5B Processing, Official F5D Practice, Aerospace Museum
Tour/Reception Balboa Park

Monday, August 7: F5D Processing, Official F5B Practice, Official Tour Day
Sightseeing of San Diego, Opening Ceremony, Initial Briefing for F5B/F5D Team
Managers

Tuesday, August 8: F5B / F5D World Championships

Wednesday, August 9 - Friday, August 11: F5B / F5D World Championships

Thursday, August 10: F5B / F5D World Championships, F5B F5 Subcommittee
Meeting

Saturday, August 12: F5B / F5D World Championships, Final Round, Closing
Ceremony, Banquet

Sunday, August 13: Model Air Show, Contestants Departure

<http://www.sefsd.org>

Aveox

hitec
The King's Pastime

NEAC

LEGISLATION

SPEEDOR

SEMOMODELLER

"ELECTRIC FUN FLY"

DATE: SATURDAY, JULY 8th , 2000
TIME: 8:00 AM

PLACE: CASTAIC MODEL AIR FIELD
Castaic Lake Recreation Area

RAFFLE, STATIC CONTEST, & LUNCH

THERE IS A \$10.00 LANDING FEE FOR PILOTS, THIS INCLUDES A LUNCH TICKET AND A RAFFLE TICKET, ADDITIONAL RAFFLE TICKETS CAN BE PURCHASED. THERE IS, HOWEVER, A \$6.00 PARK ENTRANCE FEE FOR ALL NON-CANYON CROSSWIND MEMBERS.

ALL ELECTRIC PLANES WELCOME, LARGE, SMALL, FAST AND SLOW!

REGISTRATION WILL BE AT 8:00 AM FOLLOWED BY A PILOTS MEETING.
AMA MEMBERSHIP REQUIRED.

Website: www.canyoncrosswinds.com

CONTEST DIRECTOR STEVE CIAMBRONE 661-294-9547

For Sale:

New, in the box Airtronics Vanguard 4 Channel system: Transmitter, FM narrowband receiver, 4 servos, batteries, switch. (charger missing, but any standard charger can be adapted). This is an older model system that has never been used. Batteries have been cycled 5 times and show a capacity as good as new packs I've had.

Tx is plain vanilla - no dual rates, no end point adjustment. Nothing fancy or complicated!

Channel 46

Flight pack alone is worth the price of only \$100!

(reasonable offers to swap engines, planes, kits, radios can be considered, but cash is king.)

Respond to Dave Snyder

dsnyder@nmbtech.com

work: 818.341.3355 ext 4555

home: 661.253.3033

Now available is a MWE 2000 video. This video will be shown at the May SEFSD meeting.

Paul Naton
president-Radio Carbon Art

Producers of High Quality R/C Silent Flight Videos

<http://www.radiocarbonart.com>

Paul@radiocarbonart.com

Tel: 541-752-9661

Visa/Mastercard Accepted

Armando Carrillo selling his NORA (a slow flyer) with 280 geared motor for \$35 or best Tel..858-279-3251

Below is the list of all members who have qualified under the club standards of qualification. If your name is not on the list, check with the SEFSD flight instructors to confirm your qualifications or get checked out.

SEFSD flight instructors are listed on page 6

Tim Ardoin	Steve Belknap
Dick Cassity	Minton Cronkhite
Pete Day	Joe DeMarco
Tom DeShon	John Ellis
Don Haines	Fred Harris
Howard Harvey	Jack Hawks
Jack Hix	John Hood
Jeff Keesaman	Bill Knoll
John McKinney	Mike Morgan
Lee Norton	Steve Nue
Jack Roesch	Ralph Schierhold
Francis Smith	Ray Stelzner
Terry Thomann	Dudley Uphoff
Cliff Vaughn	Wayne Walker
Don Wemple	Mike Zimmer

The AMA National Model Aircraft Safety Code (page 129 of JUNE 2000 issue of MODEL AVAITION) are the safety standards that SEFSD use for qualification and are those applied by AMA insurance

A LETTER FROM JACK ROESCH.
(Jack died April 7, 2000 of cancer.)

It has been an unique pleasure being a member of the Silent Electric Flyers of San Diego. Flying from our field is to have a good flying site, great guys to visit with, experts in the hobby who share their knowledge freely, and builders who show wonderful engineering and modeling skills. Add to this an enjoyable monthly meeting with first-rate board members, the good turnout when work projects are needed, and newsletter that is up there with the best.

You should agree this club is special.

I am no longer able to fly because of health problems. The enjoyable experiences I've had with my fellow flyers is with me. I want to thank you all for memories.

This was written sometime in either February or March. The last time Jack was at the field was MWE.

ROESCH, MAJOR JACK E.
September 2, 1928 to April 7, 2000
Retired U.S. MC Major Jack E. Roesch of El Cajon died of cancer on April 7, 2000. Major Roesch was born and raised in St. Paul, Minn. After graduating from high school, he joined the Marine Corps attending Boot Camp in San Diego. He served a stint on Guam before serving with The First Marine Division in Korea, participating in the invasions of Inchon and Wansong as well as UN Evacuation from Hungnam. He was commissioned a second Lieutenant in 1953 and remained with the Marine Corps until retiring in 1968 as a Major with 20 years service.
Major Roesch went on to a second 20-year career servicing the State of California's Telecommunications Systems until retiring October 1995. He has resided in El Cajon the last 30 years.
Of his many interests, aviation was his passion. He was a commercial rated pilot and his lifelong hobby was building and flying model airplanes. He was a member of The R/C Weedwackers Club of Lakeside and The Silent Electric Flyers of San Diego.
Survivors are his wife Sue and his 91 year old mother Ila Webb, both of El Cajon and his three sons, John of Carlsbad, Martin of Austin, Texas and David of San Diego. Other loved family members live out of the area.
He was a loving husband, father, mentor and friend and will be sorely missed.
His ashes will be scattered at Sea. Donations may be made in his name to San Diego Hospice, San Diego Symphony or San Diego Master Chorale.



SEFSD Instructors

Give these folks a call if you need the talents of a flight instructor. They are just itching to help!

Bruce Cronkhite
619-278-6643
Bob Davis
619- 277-8043
Bill Knoll
760-966-6884
Steve Belknap
858-693-3739
Steve Neu
619-284-0816
Pete Day
619-274-3016
Ron Stark
454-4900

"Stocks have reached what looks like a permanently high plateau."

--Irving Fisher,
Professor of Economics,
Yale University, 1929.

SEFSD VIDEO LIST

See Fred Harris
Librarian
One month free borrow.

A Celebration of Eagles (AMA)
Float Flying (John Sullivan)
Airborne R/C Video(Fred Harris)
Gas to Electric Conversion
Airplane (Joe Wurts)
Getting Started in Electric
Flight
Air Force Top Gun
1994 KRC Electric Fly
A-10 Warthog
1996 KRC Electric Fly
Basic Construction for Beginners
Lets get Serious About Electric
Flight
Basic Flight Training for begin-
ners
Monokote
Byron Originals Show Season 1985
Monokote-II
Cutting Foam Cores
1996 NATS-Video Highlights
Desert Storm-Tornado
Polyspan Covering Instructions
Double Eagle
Power for Performance
Electric Flight
R/C Flying
Electric Flight & Schneider Cup
The Schneider Sport Electric
Electrifying the Fantasy
T-Birde (Thunderbirds)
F-16 Falcon

Scale effect, or boy that flies just like the real one.

We hear from time to time that a model is flying at the scale speed of the original and many attempt to duplicate this phenomenon. If true scale effect is your goal then boot-up you computer and go to <http://blue.imbg.ku.dk/~ib/scalespeed.html>. This web site presents not only a very good discussion of scale effect but offers to the non-engineering types a good discussion of achieving scale effect without using your slide ruler (remember those?).

SEFSD LIST SERVER

SEFSD is now setting up a List Server. This will enable all the individuals in the club and elsewhere to receive important bulletins via e-mail. Of course, the same information will always be provided in the newsletter as well. The main reason for the list server is to inform electric-minded individuals all over the world. Individuals will be able to subscribe and unsubscribe to the service at their own will. Information will be provided

in each e-mailing on how to do that. All the members that we have e-mail address for will be subscribed automatically.

I'll be sending out a test message in the next week or so. If you do not get a test message, then you can subscribe yourself. Send the following message to: maiser@pcml.com

To subscribe, type only the following in the message box:

SUBSCRIBE SEFSD

(The message must be followed by a blank line!)

To unsubscribe, type only the following in the message box:

UNSUBSCRIBE SEFSD

(Follow with a blank line)

Steve Belknap

San Diego Electroglide
April results

#1	Pete Day	flying a Skimmer	42, 20, 57 = 119
#2	Bob Davis	flying a Tlush Mite	43, DNS, 11 = 54
#3	Cliff Vaughn	flying a lo-wing Skimmer	DNS, DNS, 41 = 41
#4	Don Wemple	flying a modified Flick	DNS, DNC, DNC = 0

(Three launches make up the monthly Electroglide. DNS means there was no score for that launch -- remember that each flight must land at the field with no motor run other than the initial one to score points regardless of how long the flight. DNC means did not compete) non-speed 400 pilots, flying with us just for the fun of it -- All are welcome!

In review, if you missed the initial article on the San Diego Electroglide in the last issue of Peak Charge, all competitors launch at the same time and the CD yells out when to stop the motors. The scoring is 6 points per minute with a 30 point bonus for landing between the two lines across the runway.

Two requirements -- a speed 400 motor, and 7 cells. The Electroglide will be held the first Saturday after the monthly SEFSD Meeting -- for May, that will be the 20th, weather permitting.

Chief Flight Instructor, Bruce Cronkhite, has mentioned that he's seen altogether too many pilots solo out, get enough proficiency so that they don't carry home a black bag filled with wreckage every day, but then eventually get bored with our sport and disappear from our field and our Club meetings. He suspects that the boredom might result from them just get tired

of cutting blue holes in the sky! In short, they find no further challenges with electric flight once they get to a competence level that allows them to get off the ground, fly around a little, and then land with an intact model.

San Diego Electroglide provides a way to sharpen your flying skills and consistently challenge you, I guarantee it!

Put together something with a sp400 and 7 cells and join us on May 20th.

Don Wemple and Pete Day

Here is the article about Glenn Ritchie:

When SEFSD member Glenn Ritchie isn't building or flying model planes, he likes to spend some time as a Weapons Officer in an F-18 Hornet for the US Marine Corps. Recently he has been assigned to spend a few months in the fun-filled garden spot called Kuwait. Glenn flew in the F-18 on a 9 hour jump across the Atlantic.

"I only flew in the Hornet during the second leg, the one over the Atlantic. We took off at 0300 EST and flew until 1730 Spain time. That was a 9.2 hour flight. It was really hard to stay awake. We flew a lot of night form which went IFR a lot. There were 3 tankers with us. One KC-10 primary, a spare, and a KC-135 (Satan's Flagship for Hornet guys) which is the hardest to refuel off of. We are here deployed in support of Operation Southern Watch (the enforcement of the No Fly Zone).

G.R. Ritchie
 "Spine Ripper"
 Major, US Marine Corps"



Hornets in flight into Moron, Spain.



Membership Application

NAME: Last _____ First _____ Middle Initial _____

ADDRESS: _____

CITY _____ STATE _____ ZIP _____

PHONE: (H) _____ (W) _____

FAX: _____ E-MAIL _____

AMA NUMBER: _____ Dues Paid _____

Date of birth _____ Date _____

Note: AMA Membership **Required**

Flying membership \$25, Newsletter Only membership \$15. Join after July \$10. Bring to club meeting or mail with copy of AMA card and check to: Mr. M. W. Neale, 17140, Tam O'Shanter Drive, POWAY, CA 92064.

SEFSD c/o Charlie White
4420 Ladera Street
San Diego CA 92107