

# PEAK CHARGE

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

SEFSD Newsletter

November 2000

Volume X Issue XI

## CALENDAR

### November 2000

November meeting Tuesday  
November 28, 2000 at the  
Automotive Museum

Electro Glide November 25, 2000

---

## FUTURE EVENTS

### MWE

February 16, 17, 18, 19 2001

December 3, 2000 Annual  
Christmas dinner at Tom Ham's  
Lighthouse.

No December meeting

January meeting  
Tuesday January 23, 2001

February meeting  
Tuesday February 27, 2001



It is closer than you think. Thanksgiving is upon us, Christmas is not far behind, and New Years is only six weeks away. Time to start thinking about the MWE and how you can help and participate in this 2001 event. Member support is the stuff that makes the MWE successful. It is projected that the 2001 MWE should have around 100 pilots enter the event. Don't be shy, step up and join in the activities.

# 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  
582-2442

**Secretary** Cliff Vaughn

**Treasurer** Mike Neale  
674-1378 mneale@energydyne.com

**Newsletter editors** Charlie White  
223-8903 charliewhite@home.com

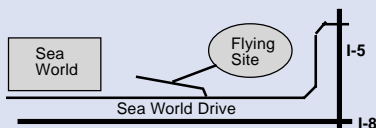
Bob Davis  
277-8034

**Safety** SteveNue  
284-0816 SNEU@aol.com

**Subscription Secretary** Dennis Collins

### Flying Site

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



Membership or Subscription  
\$25 per year, \$15 for subscrip-  
tion only. \$10 for under 18 or ad-  
ditional family member. Mail to  
the Subscription Secretary: Dennis  
Collins, 5150 Corte Playa Catalina,  
San Diego, CA 92124.

## 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

### New Meeting Site

Don't forget our new meeting place at the **Automotive Museum next door** to the Aerospace Museum. And that we are now meeting on the **4<sup>th</sup> Tuesday night of the month**. The new **meeting room is upstairs and to the LEFT as you come out of the stairwell. The entrance is on the Right side of the Main Entrance of the Auto Museum**; parking is in the central parking lot in front of the Museums. There will be **an MWE meeting at 6PM** for all those helping to put on the MWE this year; please be there so we can sort out what needs to be done.

### *Sepulveda Basin Fly In.*

Steve Belknap and myself made the trip up to Van Nuys for the largest turn out yet at the Black Sheep Squadron's annual Fun Fly. **It is always worth the trip.** (See page 6 for some photos) This year we saw the much rumored "**Micro Electric Spy Planes**"! They really exist! They're made by AeroViroment, Burt Rutans's Commercial Products company. They're called the "**Black Widow**", and are about 5" by 5" in size. They have the ability to fly autonomously up to 1/2 hour or more and relay real-time TV from the on-board systems. They're designed for field recon use by ground troops to "Look Over the Hill" and the square flying wings use a **cassette style launcher** to send them out and do recon as needed. The little motor & battery are the size of indoor equipment, but fly about 20-30 MPH. **Very, Very COOL!** You had to see one of the clear mock-ups to realize the electronics design that went into one of these **Mini Spy Planes!** If you want one they're only about \$10,000/ea and you still have to buy the transmitter, \$250, and the TV receiver unit, \$2,000 or so! Not for the faint of heart, for sure!

The remainder of the fly-in was ordinary in comparison, but the **popularity of the new Slow-Flyers, and Park-Flyers** was defiantly established as I think I was the only one there without a Slow-Fly plane! The most notable was a **12" P-51 Mustang** that was made from a rubber band kit and used the Hobby People B-2 motor and a servo gear set to fly around at about 10-15 MPH beautifully. Painted silver it really looked like the real thing and did impressive **loops and rolls** and then was **hand caught to top it off**. There were several very well done scale planes and sport electric's as well as a 12-ft wingspan glider that got the "**Best**

# October Meeting Minutes

By Cliff Vaughan

By Cliff Vaughan (a.k.a. The Butcher)

The October meet had a turnout of 32 people at the new location. (Upstairs at the Auto munsemen ). We had only one guest/possible new member Jeff Lee; he is a transplant from the upper half of the state (California).

Old Biz:

Was to update the club on the ongoing progress of relocating the field to the northeast by about 100 feet to improve parking and better access along with some needed extras.

New Biz:

A short discussion of the soon to be here midwinter electric's and a request for volunteers.

A tour of TRACON at Miramar. They handle all of the arrival and departures in southern California. The Xmas Dinner is schedule for December 3 at Tom Homs Lighthouse. The room has been reserve on the second floor over looking the bay. Sign up early at the next meeting, as the seats are limited.

The Main Event:

The presentation for the evening was by the local chapter of the AIAA. First the results of last years entry to the student design / build / fly at Wichita and over view of this year's entry for the student design / build / fly to be held in Maryland at Webster field. Which is part of the Patuxent River Naval Base.

Show and Tell:

Steve New brought his new Helicopter a Logo 16 and an F-16 Kitted in Denmark.

Bill Knoll has his flying boat (it's now doing sea/air trials. Bill also had a new (to him) A-4 Skyhawk.

Mike Morgan brought a little indoor free flight kit that he plans to convert to electric indoor.

The raffle was great, with great prizes. Ya Should've been there!

**glider" trophy.**

## ***Veterans Day Fly-In at the Weedwhackers Field.***

Four of us went to the **San Diego County Association of Model Clubs is having a Scale Fly-In** on Saturday Nov. 11<sup>th</sup>. This was a great time to get to meet all the other clubs and we all had a great time showing off the fast A-4's of Steve Neu & Bill Knoll, as well as Bill's fully scale Grumman Albatross and Steve's C-130, BF 110 and Mosquito.

## ***Annual Christmas Party!***

Don't forget to bring your orders to the Nov. 28<sup>th</sup> meeting for our **Grand Christmas Party at Tom Ham's Lighthouse** on Harbor Island. **Sunday Dec. 3 rd. at 6 PM.** It's only \$20 per person, with your choice of **seafood, chicken, steak, or prime rib!** All the extras are included and there will three door prizes as well!

The first is a fully built **very big glass glider with motor and speed controller;** A brand new **computer radio from Hitec RCD;** and at **1010-2Y Aveox motor and controller** set to round it all out! Be sure to come and get a chance to win one of these great Christmas gifts that only our own Santa knows how to give!

SEFSD VIDEO LIST  
See Fred Harris, Librarian  
One month free borrow

### ***Directions to the Automotive Museum***

From Interstate 5 South: Take the 10th St. exit; turn left on A St.; turn left on 12th St. (which becomes Park Blvd.); turn left at President's Way (you are now in Balboa Park); when you come to the stop sign, the museum will be to your left with parking right in front.

From Interstate 5 North: Take the B St. Pershing exit; stay on B St; turn right on 12th (which becomes Park Blvd.); turn left at President's Way (you are now in Balboa Park); when you come to the stop sign, the museum will be to your left with parking right in front.

From Interstate 8 (either direction): Take 163 South exit; take the 4th Ave/Park Blvd. exit; turn left onto President's Way (you are now in Balboa Park); when you come to the stop sign, the museum will be to your left with parking right in front.

From State Highway 163 South: Take 4th Ave./Park Blvd exit; turn left onto President's Way (you are now in Balboa Park); when you come to the stop sign, the museum will be to your left with parking right in front.

From Interstate 805: Get on I-8, I-5 or ST HWY163 and follow directions above.

From State Highway 94 West: Take the highway into downtown San Diego; turn right onto 12th St (which becomes Park Blvd.); turn left at President's Way (you are now in Balboa Park); when you come to the stop sign, the museum will be to your left with parking right in front.

From Harbor Drive (either direction): Turn east onto Laurel St.; follow it through downtown and over the Laurel St. bridge into Balboa Park; turn right and follow the road to the end of the Park until you reach the museum.

When you have finally found the museum, park anywhere in the parking lot. The Automotive museum is on the West side of the parking lot. Enter by main entrance.

### **End-to-end soldering of batteries**

If you find it difficult to solder batteries end-to-end (+ to -) go to:

<http://members.home.net/solderingtips/index.html>

I have established this web site to demonstrate how simple it really is to solder batteries end-to-end when you have the correct tools - soldering tips. And remember - experience is something you don't get until just after you need it.

Charlie White



If God meant for man to fly model jets, he'd have given him more

ENDLESS LIFT II  
ELECTRIC AIR SHOW / MWE 2000  
QSSAA FLY-IN 1994 VOL I & II  
LET'S GET SERIOUS ABOUT ELECTRIC FLIGHT  
1994 KRC ELECTRIC FLY  
1996 KRC ELECTRIC FLY  
1997 KRC ELECTRIC FLY  
BUILDING WITH FOAM  
AIRBORNE VIDEO/FRED HARRIS  
F-16 FALCON  
POLYSPAN COVERING INSTRUCTION  
ELECTRIC FLIGHT & SCHNEIDER CUP  
A CELEBRATION OF EAGLES (AMA)  
AIR FORCE - TOP GUN  
VACUUM BAGGING  
DOUBLE EAGLE  
SPEEDY BEE/LAZY BEE VIDEO  
S.D. MIDWINTER ELECTRICS 2000  
BASIC CONSTRUCTION FOR BEGINNERS  
MINIMAX CONSTRUCTION  
ELECTRIFYING THE FANTASTIC  
ELECTRIC FLIGHT  
U.S.AIRCORE, BASIC BUILDING TIPS  
MONOKOTE I & II  
WAR BIRDS OVER SCHENECTADY  
DESERT STORM- "TORNADO"  
T-BIRDS  
SCHNEIDER SPORT ELECTRIC  
BYRON ORIGINALS SHOW SEASON 1985  
SPEEDY BEE/LAZY BEE VIDEO  
A-10 WART HOG  
JOE WURTZ-AIRPLANE  
GAS TO ELECTRIC CONVERSIONS  
POWER FOR ELECTRIC  
FLOAT FLYING

### **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

# hitec

# San Diego Mid-Winter Electrics

Presented by  
the Silent Electric Flyers of San Diego, Hitec RCD and Model Airplane News

Come to warm, sunny San Diego, California for 4 days of Electric aircraft flying at beautiful Mission Bay. What a great family vacation destination, just minutes from the world famous San Diego Zoo, Balboa Park, Sea World, San Diego Aerospace Museum and world class shopping malls.

## Events and Demonstrations

Check website for schedule

- Scale Event
- Funtec Sky Scooter Pylon Racing
- Funtec Sky Scooter All-up, Last down
- Show us yer Sky Scooter contest
- Speed 400 Pylon Racing, 7 cell
- Electric Sailplane Limited Run Motor Event
- Killer Kombat: Mad Dogs, Zagis, etc.
- F5B 7-10, 27 cell Sailplanes
- F5D 7 cell Pylon
- Aerobatics
- Electric Ducted Fan Jets
- Electric Helicopters
- Lots of Open Flying



## Prizes

Come and join us for the best electric event on the West Coast, featuring over \$3,000 in raffle prizes.

## Supplier Booths

R/C Direct, Hobby People, Dymond Modelsport, Electric Jet Factory, Cavoza's Sailplane Design, Hobby Club, Diversity Model Aircraft, Leisure Electronics of Downey, EMS/Jomar, Peak Electronics, and more.

For information on events, schedules, accommodations and for pre-registration form, see [www.sefsd.org](http://www.sefsd.org)

or contact **Bill Everitt** at:

Phone (760) 753-1055

Fax (760) 633-2271

Email [billeveritt@cs.com](mailto:billeveritt@cs.com)

or **Glen** at (858) 748-6948 x310

SPECIAL THANKS TO:

**Model Airplane**  
NEWS



## When

President's Day Weekend  
Friday thru Monday  
Feb. 16, 17, 18 & 19, 2001  
Open Flying on Monday  
No Events  
Mexican Fiesta Dinner  
Saturday Night

## How Much

\$15 a day or  
\$25 for all 3 days  
Mexican Fiesta Dinner \$15

## Indoor Flying

Fri. & Sun. 2PM - 7PM  
Courtesy of CAF



CAF Air Group One  
World War II Flying Museum  
[www.cafairgroup1.org](http://www.cafairgroup1.org)



SEFSD F5B September Contest/Practice report.

We had a very good turnout for our 1st monthly F5B practice/contest with 10 signed up. We flew all the "classes" as one group but scored them as separate. Jeff Kessamn, Blake English, and Bill Knoll Flew in the 7-cell class with Blake flying a S400 powered glider in his first contest. Wayne Walker(AKA crash Walker) , Bob Mosley, Mike Morgan and Bob Sliff flew 10 cell powered planes. Thomas Pils, Jeff Kessman and Steve Neu flew open class planes with up to 27 cells.

We are using parts of the 2001 rules for the 1st few contests and will switch to the full 2001 rules early next year after people get use to the changes. We are using the new landing circle along with the starting of duration after the distance without the limbo. We will add the longer distance time(200 seconds) and the 10-min duration later.

Most everyone got the chance to time and help other pilots — this lets people see how others fly and learn how to improve their own flying.

The results were as follows:

- 7 cell class:
  - 1) Bill Knoll
  - 2) Jeff Kesaman
  - 3) Blake English
- 10 cell class:
  - 1) Bob Mosley
  - 2) Bob Sliff
  - 3) Mike Morgan
- Open Class:
  - 1)Thomas Pils
  - 2) Steve Neu
  - 3) Jeff Kesaman

October F5B Contest/Practice

The third Sunday of October was a great day for F5B flying. There were fewer pilots present likely due to some other events taking place on the same weekend (Miramar air show). In any event we had pilots flying in both 7 cell and open class. We also had a chance to try out our automatic lap counting computer. It ties the buttons form each of the bases into a laptop computer that keeps track of the # of laps each pilot gets. The next version will do the keep the time for the distance event and stop counting laps after 3 minutes has ended. The system worked great thanks to the work of Jeff Kesaman and Steve Neu.

Bill Knoll flew 2 planes in the 7 cell class and as a result took 1st and 2nd places—Wayne(Crash) Walker had a unplanned vertical landing which needed more repair work than could be made at the field.

Jeff Kesaman and Steve Neu did battle in the open class. Jeff started out with 31 bases then went up to 33 bases and then back to 29 bases —he found just how far he could push his luck on base B—the result was 2 cuts in round 3. Steve Neu did 33,34 and 35 bases—shows how more flying helps.

The next F5B contest practice will be the 3rd Sunday of November—the 19th. Bring what ever you have to fly and have some fun.



## TREASURERS REPORT 2000.

The bank account began the year at \$5,157 and I estimate it will close the year at approximately \$17,438.

Thus our net income has been \$12,281 – well done!

Subscriptions, 194 flying members (\$25) and 14 newsletter only members (\$15), accounted for \$5,060 income. The other main income sources were the Mid Winter Electrics (net income \$2,477) and the International Electric Flight Festival (net income \$6,876).

Our most significant expenses have been the Peak Charge newsletter (\$1,810) and our membership of the Automotive Museum (\$150).

As before Bill Everitt has run an excellent raffle using the sales of raffle tickets to buy the next month's prizes. So we have broken even on the raffle.

Can anyone wishing to spend money on the club's behalf please contact me before making the commitment. Without prior agreement and an invoice or bill I may not be able to refund any expenses.

For 2001 onwards Dennis Collins has volunteered to take on the duty of Subscriptions Secretary. If you mail in your renewal then send it to:

Dennis Collins, 5150 Corte Playa Catalina, San Diego, CA 92124.

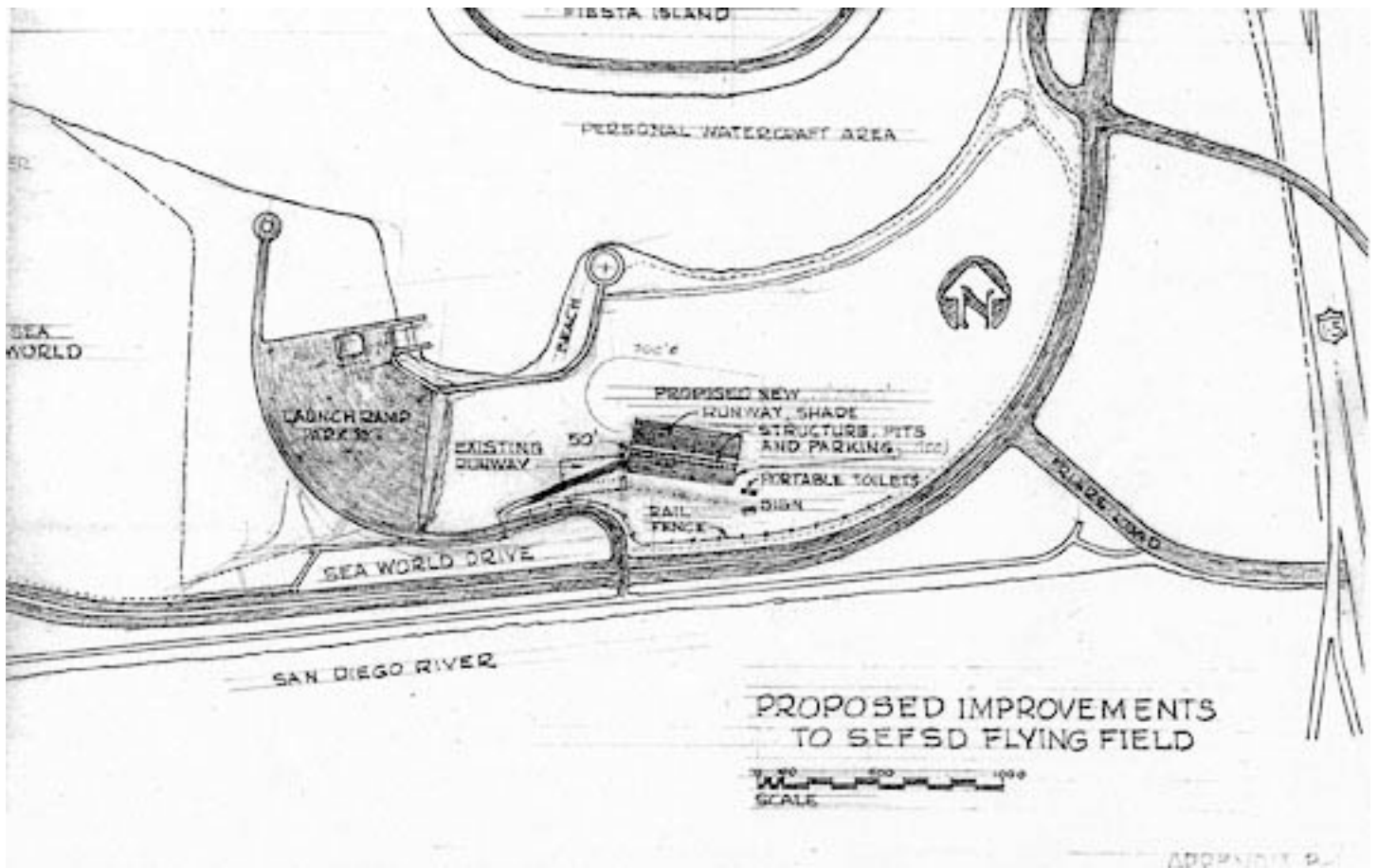
He and I will also be accepting renewals at the club meetings in the new year.

As we did this year I propose we stream line the membership renewal process by eliminating the need for current members to fill in application forms. Just send Dennis any changes to your information when you renew. SEFSD membership runs from January to December. If you do not renew your membership by March we will stop sending you Peak Charge and assume you are no longer a member.

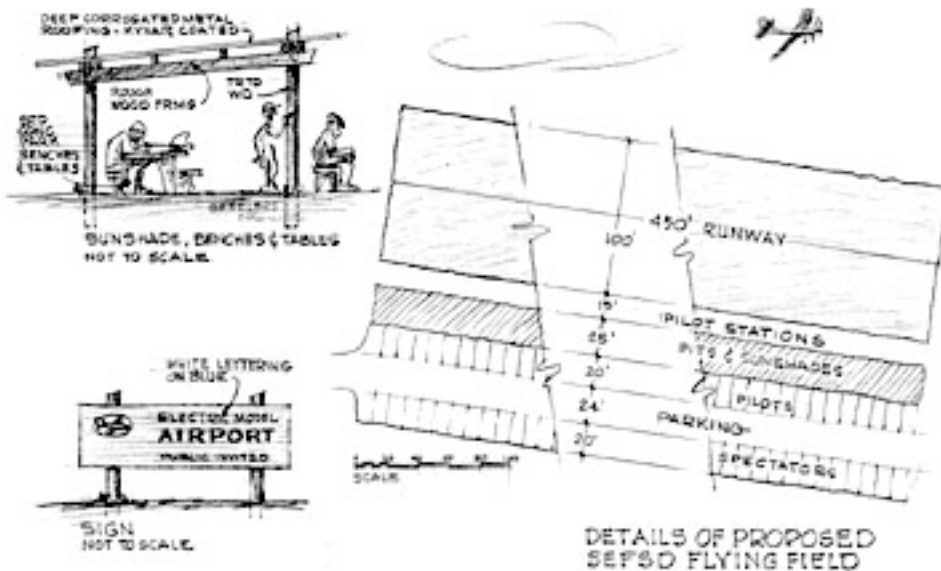
Flying membership is \$25. Non flying, newsletter only, membership is \$15. New members joining latter than July will get a reduced membership fee of \$10. New members joining in November or December will get free membership until the next January when they join up with everyone else.

---

If this is December there will be no club meeting but rather a dinner on Sunday Dec. 3rd, at Tom Hams Lighthouse on Harbor Island across from the airport. The dinner is \$20/ea and is choice of 5 entries, 2 seafood, chicken, Steak, or Prime Rib, with salad, coffee & dessert. 6 PM-No Host Bar, dinner at 7 PM. And all this with door prizes. If you wish to join in the festivities, sign up at the meeting Nov. 28 or catch Wayne on the field.



Proposals for development of the South Shore flying site. These improvements are the current thinking and are subject to member suggestions. Got ideas?

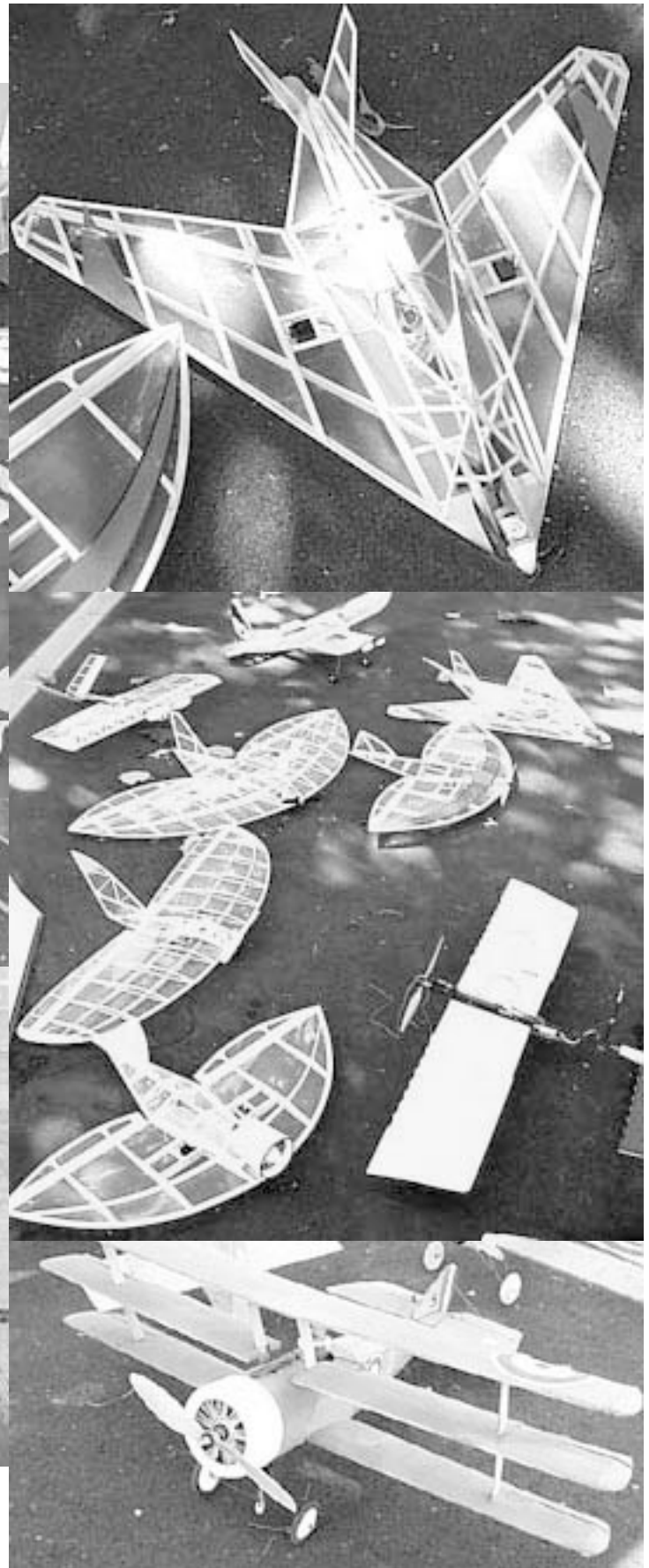


Additional photos from the Black Sheep Squadron's annual Fun Fly



Jeffery Alesos' Fleet 38.  
MEC Turbo-10 w/10 P-3000 cells.

*These photos are the handie work of Steve Belknap*



## ***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 Subscription Secretary: Dennis Collins, 5150 Corte Playa Catalina, San Diego, CA 92124.

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