

EL TORBELLINO

NEWSLETTER OF SAN DIEGO ORBITEERS FREE FLIGHT CLUB

APRIL 2016



The Prez's Corner – Don Bartick

Let me first of all welcome new member Kang Lee to the Orbiteers. For those of you out there in Orbiteers land that haven't heard of Kang Lee, he is currently the reigning world champion in the prestigious FAI indoor event F1D. Kang came onto the world stage in record time. He was introduced to free flight modeling as the result of being a parent of a Science Olympian participant a few years back. His ingenuity is causing the world to rethink what is possible for indoor aircraft.

This is Thursday, April 14th. Arline and I are heading to the San Valeers Annual at Lost Hills tomorrow. The contest offers AMA, Nostalgia and FAI event. This is always a well run contest. It's important for us to support as many contests as we can in order to keep them recurring from year to year. It is also an opportunity to promote the Dual-club Free Flight Bonanza that will be held May 14th and 15th.

Talking about the Dual-club contest, all preparations have been made. All we need is a good turnout. With that said, I sure hope the participation of the Orbiteers increases. This is our 58th annual. Attendance by our own club at our own annual has a lot to desire. Come on out!

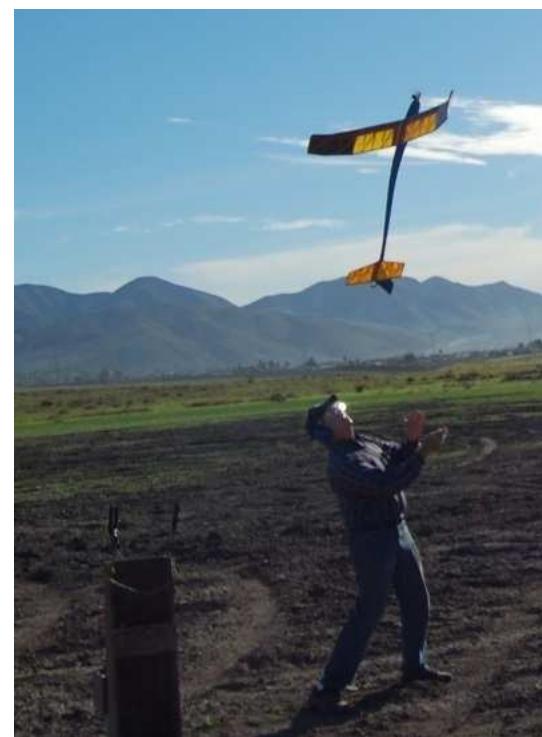
We had an opportunity to sell the modeling estate of past Orbiteers member Don Riodan. His widow Adria gave me a call and asked if the Orbiteers could help her dispose of Don's kits, engines and building hardware. I called upon John Hutchison to assist. We made arrangements to go to Don and Adria's home to assess his model estate. Well, he had a ton of stuff. There were engines, new in the box. A whole bunch of very old kits that he acquired via ebay over the past dozen years. Even "N" gage trains and RC equipment. Plus, tools, paint and balsa that he accumulated over the years building airplanes. Adria donated the tools, paint and balsa to the club and agreed to split the proceeds of the sale of all the other stuff.

As it turned out, there was a model swap meet, held by the Weedwacker RC club coming up in a

week. This would be a good opportunity to sell all the stuff we gathered up from Adria. John and I agreed to make this a joint effort between the Orbiteers and Scale Staffel's clubs. The 2 clubs would split the portion going to the clubs. To make a long story shorter, we sold 98% of the stuff in 3 hours. Each club netted over \$800 and Adria received \$1503. She was very pleased. Our club treasures are very happy also.

That's a wrap for now.

Remember: "What we have done for ourselves alone dies with us; what we have done for others and the world remains and is immortal" - Thomas Paine
-Thomas Paine



Don Bartick Power Launch
(Photo by Arline Bartick)



BOARD OF TRUSTEES

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Newsletter Editor / Membership Coordinator

Howard Haupt(858) 272-5656
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ORBITEERS MEMBERSHIP DUES

Annual Membership - \$20
Lifetime Membership - \$250
Non-Member Newsletter Subscription - \$15
Junior Members 16 years old or younger - Free

Submit Dues to Club Treasurer:

Howard Haupt
3860 Ecochee Avenue
San Diego, CA 92117-4622

THE FINE PRINT THE FINE PRINT

El Torbellino is the official newsletter of the San Diego Orbiteers, an Academy of Model Aeronautics (AMA) Charter Club (#1113) and a California not for Profit Corporation. This newsletter is sent monthly to all paid members, selected exchange and magazine editors. Non-Members may subscribe at \$15.00 per year within the U.S.A., offshore price will be adjusted to reflect the postage required. Materials from El Torbellino may be reproduced on an unlimited basis by other publications, but proper credit is requested.

ORBITEER WEB SITE

www.SanDiegoOrbiteers.com

Webmaster: Kathy McLaughlin



MARCH 2016 OUTDOOR MONTHLY

(March 20, 2016)

COUPE

1) Greg Hutchison	342
2) Mark Chomyn	302
3) John Hutchison	290
4) Don Bartick	50

POWER

*) No entries

GLIDER

1) Mark Chomyn	165
2) Don Bartick	76

PHOTOS BY ARLINE BARTICK



John Hutchison Coupe Launch



Mark Chomyn winding and launching his Coupe Model



Mark Chomyn Catapult Glider



Don Bartick Coupe Launch

APRIL 2016 INDOOR MONTHLY

(April 3, 2016)

CD: William Scott

Phantom Flash:

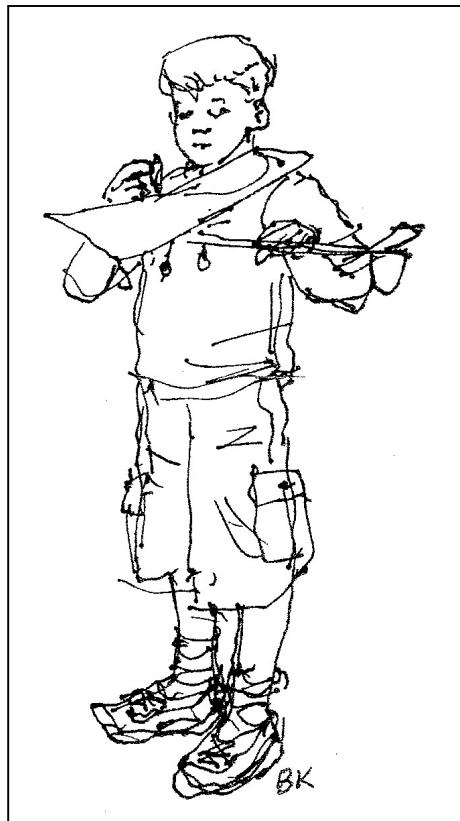
(Best three of six flights)

1) Stan Buddebohm	86	85	100	-271
2) Greg Hutchison	74	74	76	-224
3) Steve Shepersky	66	67	74	-207
4) Richard Wood	58	59	51	-168
5) John Hutchison	48	50	66	-164
6) Nick Panousis	50	55	55	-160
7) William Scott	46	53	59	-158

A-6:

(Best two of five flights)

1) Greg Hutchison	161	256	-	417
2) Richard Wood	194	189	-	383
3) Steve Shepersky	181	178	-	359
4) John Hutchison	154	151	-	305



2016 COMBINED FLYING SCHEDULE

Apr 24 - **P-30 Memorial Oldenkamp Hot Box Contest**
Power & Glider
(No Rain Date)

May 14/15 **Dual Club FF Bonanza**, Lost Hills CA

May Rotation Skipped: (Old Time Nostalgia Rubber)

May 21/22 **Scale Staffel FAC Scale Contest***
(2 of 3)

June 12 - **Coupe**
Power & Glider
(June 28TH rain date)

July 4 - **Walt Mooney Annual Scale Contest***

July 17 - **P-30**
Power & Glider
(Rain date Jun 24TH)

Aug 14 - **Old Time Nostalgia Rubber**
Power & Glider
(Rain date Aug 21ST)

* Non-Club Points Event
Otay Field Weather (619) 661-8297

2016 INDOOR FLYING SCHEDULE

May 1 - Penny Plane, No-Cal*

June 5 - Catapult Glider, Embryo*

July 3 - A-6, Phantom Flash*

Aug 7 - Penny Plane, No-Cal*

Sept 4 - Catapult Glider, Embryo*

Oct 2 - A-6, Phantom Flash*

Nov 6 - Penny Plane, No-Cal* and
Canard One-Design* (Wrisley Zephyr)

Dec 4 - Catapult Glider, Embryo*

*Non-ORBITEER Points Event

San Diego Orbiteers Board of Trustee Meeting

3/16/16

Meeting called to order at 7:37p.m.

Minutes of the previous board meeting were approved as published

Treasurer's Report: approved as distributed to the board members.

Membership Report: we have one new member, Mr. Kang Lee. Welcome Mr. Lee!

Old Business:

Don Bartick reported that the Dual Clubs Annual is all set and ready to go May 14th and 14th at Lost Hills.

Membership campaign: Linda has made some beautiful flyers to be put in various locations; including the Flying Leathernecks Museum, 5 different hobby shops, the San Diego Air and Space Museum, as well as the Gillespie Field and Ramona airport lobby/terminal areas. Looking into placing them in the Craftsman Museum in Carlsbad as well. Kathy is working on business cards, with the Orbiteers info on one side, and Scale Staffel on the opposite side. Many thanks to both of these ladies for all their work!

Recommendations for one additional board member: None made.

New Business:

Revisited entry fees and payoffs for outdoor contests. It was decided to increase the entry fee for all three events at our monthly contest to be \$5.00 each, which will increase the payouts to winners. The club will get \$1.00 per entry, and the payouts will be based on a \$4.00 entry fee. The motion was made by Mike Pykelny, 2nd by John Hutchison, and the motion passed unanimously.

The April contest was moved from April 17th to April 24th. The main event is the John Oldenkamp memorial Hot Box P-30. Standard P-30 will also be flown, as well as power and glider.

The next board meeting is scheduled to take place on June 15th, at the Jester's home.

Contest Reports: John Hutchison talked about the Scale Staffel contest in Perris last February. He said it had great weather, no wind, and temps. in the mid-70's. Unfortunately, there were only 11 people flying, hoping for a better turn out at the next contest May 21st and 22nd. Jim Leuken wants to sponsor a Stringless Wonder contest in honor of Bill Hannan's 85th birthday at that contest as well. John also reported that indoor participation is up at the Grossmont College gym on the first Sunday of the month.

Open Discussion: the G-30 glider was discussed, as a possible new contest event. We all want to see one built, and see how it flies before committing it to a new entry.

Meeting adjourned at 9:05p.m.

Submitted by John R. Merrill, Secretary





Coupe d'Hiver

By Mike Jester

The intriguing Coupe d'Hiver rubber power free flight event is flown every three months at the club's outdoor monthly contests at the SCAMPS field in Perris, California. This event is also known known as F1G under the FAI international rules. The F1G rules are simple - an air frame that weighs a minimum of 70 grams and a rubber motor that weighs a maximum of 10 grams. That's it! The Coupe d'Hiver event originated in France around 1938. Designs for qualifying models have evolved over the years. They range from what are called "vintage" coupes to modern high tech coupes. Coupes typically have a wing area of approximately 180 square inches or more and a folding prop, both of which are designed to maximize the glide. A vintage Coupe d'Hiver (coup ancien) is a stick and tissue coupe that was designed and flown in France before January 1957. Set forth hereafter is a picture of a vintage coupe called the Barbar. For some reason the builder took this picture before covering the fuselage. Note the French Tricolour flag design on the fin and the single bladed prop which was a common feature in the early years of the coupe event. Note also the wine glass sitting next to the wing.



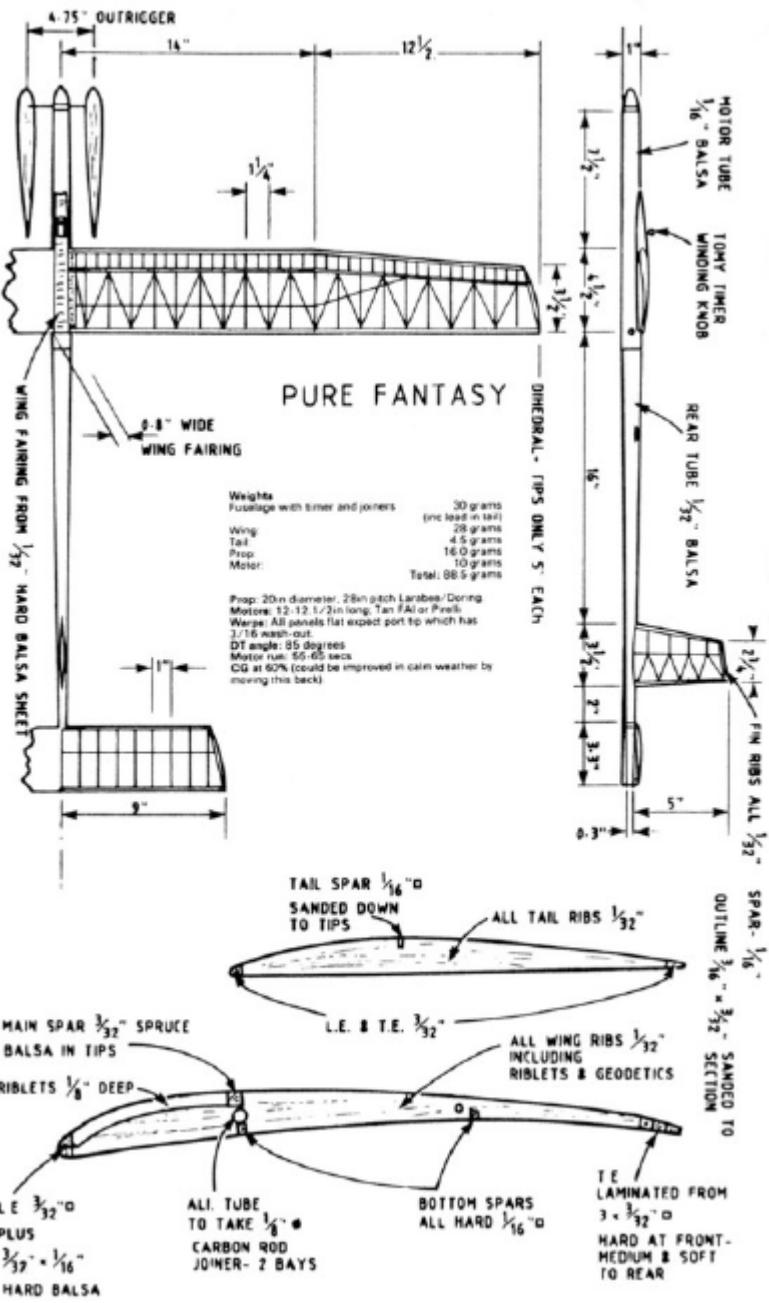
Vintage Coupe d'Hiver – Barbar built from Vol Libre plan

A modern high tech coupe has carbon fiber wing spars, a tubular carbon fiber fuselage and a high aspect ratio under-cambered wing with Mylar covering. It also carries an RF tacker beacon, and a timer for activating a delayed prop release, wing wiggler, variable incidence tail (VIT) and DT. High tech coupes are manufactured in the Ukraine and can be purchased in the United States from Starlink Flitetech. Several years ago I bought a Candy G coupe from Starlink Flitetech and have been very happy with its performance and durability. It is sort of an intermediate coupe in that it made of high tech materials but only uses one moveable surface in the form of a tilt up stab for DT. Set forth hereafter is a picture of me launching my Candy G coupe at the club's old flying field at Otay Mesa, California.



Mike Jester launching his Candy G coupe at Otay Mesa, California

There are lots of free plans for building coupes available on the Hip Pocket Aeronautics and Outerzone web sites. The designs in these plans vary from simple box fuselage configurations with folding prop mechanisms like those used in Old Time Rubber models to very sophisticated designs like PURE FANTASY, the plan for which is reproduced hereafter. Note its high aspect ratio wing with an under-camber airfoil shape. The prop blades of its 20 inch diameter prop pivot to the rear from the ends of outrigger arms. You'll probably learn about the Montreal Stop prop hub mechanism if you get serious about the coupe event.



Plan for the PURE FANTASY F1G by David Hipperson

After a few years of success flying my Candy G coupe I thought it would be fun to enter the F1G event at the Southwest Regionals Model Airplane Championships in Eloy, Arizona in January 2015. I also brought another half dozen airplanes to fly in other events at that contest. My wife, Dorothy, kindly agreed to retrieve my coupe for me and to report my times to the contest director, Peter Brocks. He prepared a score sheet with all of the competitors' names listed for recording their flight times. I was pretty naive and had no idea what I was up against. This was a real America's Cup F1G competition flown under the grand authority of the FAI. I am not sure what all that meant. Fliers had to put in flights in each of five consecutive rounds, one round taking place each hour from 8:30 a.m. until half past noon. A flight that was 120 seconds or longer was a "max." The weather at Eloy was sunny and gorgeous on the morning of the F1G contest. The temperature rose from about 45 degrees F. to about 70 degrees F. during the competition. The wind was variable and consistently under 5 mph. I started winding about fifteen minutes before the end of the first

round as I wanted to launch my first flight when the desert air had warmed up a bit. BANG, I blew the rubber motor just as I was putting in the last few turns. Thanks to Don Bartick's help in getting the broken rubber motor remnants removed from the fuselage, I was able to get my first round flight off with only 3 - 4 minutes to spare.

During the F1G contest at Eloy, I noticed that coupes were being thrown straight up. They were literally climbing vertically. In contrast, my Candy G climbed at a steep angle, and in circles, more like a well-trimmed P-30 would fly. Undaunted I put in a few maxes with my Candy G coupe, but "dropped" one or two rounds (meaning I didn't get maxes in those rounds). During the F1G competition at Eloy I asked my wife how I was doing based on the reported scores she had seen. She told me that I was doing really well. It turned out she didn't realize that a red ink stamp on the score sheet meant that a flier had a gotten max. The score sheet was mostly red ink stamps when I looked at it towards the end of the competition. I began to appreciate that I was up against word class F1G competitors whose models had all the bells and whistles.

Many of the F1G fliers who came to Eloy in 2015 were there just to fly in the F1G contest. They were totally focused on that one event. Six fliers were "clean" after five rounds including Mike Pykelny, a longtime member of the Orbiteers. The F1G winner at Eloy that year was Alan Peterson, who won two rounds of fly offs. Alan's winning flight was 4 minutes long. Sadly Mike Pykelny's F1G flew OOS after he had maxed in all five rounds. His F1G was never recovered even though it carried an RF locator beacon. I ended up finishing ninth out of ten F1G competitors with a five-round score of 523 seconds out of a possible five-round score of 600 seconds. The last place finisher was a Junior competitor, i.e. he was under the age of 18. That youngster put in a fine showing in the F1G contest at Eloy, including a max in one round. Peter Brocks, and his wife, Brigitte, could not have been any nicer to Dorothy and me. Maybe they felt sorry for me but I still enjoyed my learning experience in F1G.

Don't be dissuaded from competing in the coupe event because you don't have a high tech coupe. I don't recall anyone flying a high tech coupe at our very casual F1G contests in Perris. Even if they do, many very experienced fliers have said that winning in an F1G event is all about picking air. Apparently a recent winner of a big European championship in F1G flew a stick and tissue coupe. You can buy the KIWI-KOOP kit from BMJR Models for \$59.75. This beginner's F1G kit includes a separate folding prop kit. Wonderful illustrated instructions in separate booklets are included for building the air frame and the folding prop. See my article published in the January 2016 edition of the El Torbellino that describes the build of my KIWI-KOOP. I won't get into how you should trim and fly a coupe because it very much depends on the model. Also, as you will appreciate from the previous paragraphs, I am far from being an accomplished F1G flier.

Coupe is one of my favorite outdoor free flight events. If you have not tried it yet, you should. The members of the Orbiteers hope to see you at the SCAMPS field with your coupe.



DUAL-CLUBS

FREE FLIGHT BONANZA

A National Cup Event

**SAN DIEGO ORBITEERS 58th ANNUAL - CLASS AA, CATEGORY 2
SPONSOR OF AMA, CLASSIC & MINI-FAI EVENTS**

*

**FRESNO GAS MODEL CLUB 77th ANNUAL - CLASS AA, CATEGORY 2
SPONSOR OF NOSTALGIA, TEXACO & OLD TIME EVENTS**

*** MAY 14th& 15th, 2016 ***
*** LOST HILLS, CA ***

SATURDAY ONLY 7 AM - NOON, 1 - 5 PM LUNCH BREAK W/ICE CREAM SOCIAL	EITHER DAY MUST FINISH EVENT THE SAME DAY	SUNDAY ONLY 7 AM - 3 PM	
1/2A GAS(1) C/D GAS P-30 (1) VINTAGE FAI POWER CATAPULT GLIDER (1) ½ A TEXACO DAWN P-30 MASS LAUNCH NIGHT GAS (COMBINED) TWIN PUSHER MASS LAUNCH	SMALL OT RUBBER STICK SMALL OT RUBBER CABIN LARGE OT RUBBER STICK LARGE OT RUBBER CABIN ¼ A NOSTALGIA ½ A NOSTALGIA A NOSTALGIA B NOSTALGIA C NOSTALGIA E-36 F1Q/A/B ELECTRIC (COMBINED)	.020 REPLICA A PYLON B-C PYLON A FUSELAGE B-C FUSELAGE RUB/WAKEFIELD NOS CLASSIC TOWLINE ½ A CLASSIC POWER JOHN OLDENKAMP MEMORIAL P-30 (2) 36" HIGH START GLIDER	FIG (COUPE) F1H (TOWLINE) F1J (POWER) A GAS B GAS HAND LAUNCH GLIDER (1) FULL SIZE TEXACO MULVIHILL DAWN MULVIHILL GOLLYWOCK MASS LAUNCH

(1) Junior & Senior/Open Event

(2) Cash Awards

See Special Instructions on backside

**** AN ORBITEER TRADITION LIVES ON ****

JOIN US FOR SATURDAY ICE CREAM SUNDAE SOCIAL ON US (NOON - 1 PM)
also

SATURDAY NIGHT FOOD FEST POTLUCK ORGANIZED BY DAN HEINRICH (6:00 -7:00 PM) (*Main course provided*) (*Bring a side dish or dessert*) (*Let Dan know what you're bringing at aeronutd@cs.com*)

AWARDS FOR FIRST 3 PLACES (except as noted)
Ceremonies at: 3:15 PM Sunday

**\$20 REGISTRATION Sr. & Open / \$2 Jr
\$5 per Event Sr. & Open / \$1 Junior -
Optional: \$40 for Registration & Unlimited Events**

For Information Contact:

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(H) 559-251-0787
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Web:FGMAC.tumblr.com

LOST HILLS MODEL AIRFIELD ASSOCIATION CARD REQUIRED (\$25 AT FIELD TO JOIN)

SPECIAL INSTRUCTIONS

SATURDAY NOON to 1 PM LUNCH BREAK & SUNDAE SOCIAL

The contest will be suspended for 1 hour for lunch and the San Diego Orbiteers famous ice cream social. This is a great time to relax, cool off, have lunch and enjoy the ice cream sundaes. We will provide ice cream, & sundae fixings, napkins, plates and plastic ware.

PRIZE DRAWING

The Fresno GMC once again has collected an enormous amount of model stuff for their drawing. For up to 3 events entered that are sponsored by them, the contestant will receive a drawing ticket. Drawing to be held right after Sunday's award ceremony.

BILL BOOTH, SR. MEMORIAL

High time in Old Time Gas. Includes 020 Replica, but not Texaco. Winner will receive a special award from the Fresno GMC.

JOHN OLDENKAMP MEMORIAL P-30

Only John's Hot Box P-30 is eligible for this event. Flown to AMA rules. Cash awards for the top 3 places. Hot Box P-30 plans available through AMA's plans service – Plan #773 or in PDF format from Don Bartick. Email: dbartick@4-warddesign.com.

HAND LAUNCH GLIDER & CATAPULT GLIDER

Hand Launch Glider & Catapult Glider will be launched from an established glider pen on the field. Max's are 120 seconds and all flights count.

NIGHT GAS FLYING

All engine classes combined. Event window between 6:30 pm – 9pm. Engine runs in accordance with aircraft classification; i.e., AMA or Nostalgia.

MINI FAI EVENTS - Low stress format

F1G, F1H & F1J: **First five (5) flights must be flown from the established line between 7:00 – 12:00 AM. 120 sec max**

Fly-off in $\frac{1}{2}$ hour rounds starting at 1:00 PM. 15min rounds in sequence. 15min between end of round and beginning of next one. Fly-off round max: 1st 150sec, 2nd 180sec, 3rd 210sec, 4th 240sec, 5th 300sec, 6th 360sec and so on. Fly-off rounds may be compressed by consensus of the participants and the CD.

VINTAGE FAI POWER Low stress format

For rules, please go to this website:

http://freeflight.org/Competition/NFFS%20Competition%20Rules%202015_2016%20Rel1.pdf. A copy of the rules will be available at the CD's table. **First five (5) flights must be flown from the established line between 7:00 – 12:00 AM.**

DAWN P-30

Saturday morning 7:30 AM sharp. Mass launch from glider pen; 1 flight, no max.

DAWN MULVIHILL (Timer can ride with contestant)

Sunday morning 7:30 – 7:50 AM launch window, 1 flight, no max.

TWIN PUSHER MASS LAUNCH

Saturday morning 8:30 sharp. Mass launch from glider pen; 1 flight, no max.

GOLLYWOCK MASS LAUNCH

Sunday morning at 8:00 sharp. Mass launch from glider pen; 1 flight, no max.

TEXACO (Timer can ride with contestant)

1/2A Texaco: Saturday 7:00-10:00 AM launch window, 8cc fuel; Full Size Texaco: Sunday 6:00-10:00 AM launch window, $\frac{1}{4}$ oz per pound – max 1.75 oz fuel.

36" HIGH START GLIDER

Any design as long as the projected wingspan doesn't exceed 36". Organizers will provide a pylon with 75' non elastic cord attached to 25' of 1/8" FAI rubber will constitute the High Start mechanism. Bob Holman www.bhplans.com has plans for the WREN from Frog models UK.

NEW CONTEST DATES

FLYING ACES
SQUADRON 41



SAN DIEGO *Scale Staffel*



May (Gray) 2016: Outdoor Flying Contest

Saturday and Sunday, May 21 and 22, 2016, 7:30 a.m. to 12:00 p.m.

Taibi Flying Field, Perris CA, Location (33.7803656,-117.1972964)

Events Prizes

Awards for first to third place.

Fees

\$8 for contest including entry for one event, \$3 for each additional event, \$20 maximum to cover contest entry and 5 to 11 events

Contest Directors

George Mansfield
gmansfield75@gmail.com
phone (858) 453-3857

William Scott
wscott127@yahoo.com
phone (619) 469-9681

Awards Presentation

Immediately following the contest's final gun on Sunday

Hotel Accommodations

Red Lion
480 S. Redlands Ave, 92570
(Less than 2 miles from the flying field)
(951) 943-5577

Lunch is at the flier option for both days

Pilot's Meeting: 8 a.m. on both days

FAC Single Model Events

Fly any event on either day, but all flights for a given event must be flown on the same day

1. FAC Rubber Scale #2
2. FAC Jumbo Scale #3
3. FAC Power Scale (90 second max) #5
4. Golden Age Monoplane #13
5. Old Time Rubber Stick and Fuselage (hand launch) #21/22
6. FAC 2-Bit(+1) Rubber, 1/2 Wakefield (ROG) #23
7. Jimmie Allen (ROG) #24
8. No-Cal (no max) #33
8. Embryo Endurance (ROG) #35

Mass Launch Events

Saturday

10. FAC World War I Combat:
Wind at 8:20 a.m., Launch at 8:30 a.m.
11. FAC World War II Combat:
Wind at 9:20 a.m., Launch at 9:30 a.m.

Sunday

12. Double Trouble (Twins)
Wind at 8:20 a.m., Launch at 8:30 a.m.
13. FAC Greve/Thompson Race:
Wind at 9:20 a.m., Launch at 9:30 a.m.

*Earn points towards your GRAND CHAMPIONSHIP. This contest's scores coupled with those of the later Scale Staffel contest held in 2016 will determine our annual Grand Champion. The trophy will be presented after the last event of 2016 to the flier who garners the most 1st to 3rd place points in the 2016 Scale Staffel contests.

NEW CONTEST DATES

SAN DIEGO ORBITEERS
Howard L. Haupt / Editor
3860 Ecochee Avenue
San Diego, California 92117-4266



Non Sequitur by Wiley Miller



WHAT'S HAPPENING - APRIL / MAY 2016

Apr. 24 - **Orbiteer Outdoor Monthly**,
SCAMPS Field, Perris CA., 8:00 am.
Feature Event: **P-30 Memorial Oldekamp Hot Box Contest**
Other Events: **Power & Glider**
(No rain date)

May 1 - **Indoor Flying**, Grossmont College (Upper Gym), 7:30 am to 11:30 am.
Feature Event: **Penny Plane**, Other Event: **No-Cal Scale ***

May 14 / 15 SAN DIEGO ORITEERS 58th ANNUAL - DUAL-CLUBS FREE FLIGHT BONANZA
Lost Hills, CA
(See enclosed contest flyer for all the details.)

May 21 / 22 Scale Staffel FAC Scale Contest, 2ND in the three contest series.
Taibi Flying Field, Perris CA.
(See enclosed contest flyer for all the details.)