

EL TORBELLINO

NEWSLETTER OF SAN DIEGO ORBITEERS FREE FLIGHT CLUB

FEBRUARY 2016



The Prez's Corner - Don Bartick

. The joint Orbiteers and Scale Staffel Award Banquet has come and gone. Indoor and Outdoors contests have come and gone. Plus, for Arline and I along with Bill Booth can say the SW Regionals have come and gone. As usual, the Awards Banquet was a great event. Good food, good comradery and wonderful drawing prizes. My thanks to Linda Piazza for decorating the tables. Thanks to Mike, Linda, John and Kathy for the drawing prizes. Also to those that brought in drawing prizes anonymously. This year we had 17 paying participants. We did not reach the 20 minimum, so the clubs took a hit. Fortunately, the drawing proceeds helped considerably, to offset the losses. You want to get close to John Merrill. He won a goodly share of the prizes. Please consider next year to go to the banquet. For the price you just can't go wrong. Plus, we need you.

Indoor and Outdoor contests had good participation. The Outdoor competition draws some of the Perris crowd. Guys like Stan Buddenbolm and Ralph Ray sure up the challenge. Indoor continues to grow as new faces are popping up each month. Got to give Dick Wood a lot of credit for coming each month from Phoenix. This time he was heading up to Lost Hills after the indoor session for the week of FAI competitions.

Arline and I went to the Southwest Regional. As usual, the mornings are cold, but warmed up to 60-70 by mid-afternoon. All 3 days were flyable. I came away with a 2nd place in P-30 flying a Hot Box. Also finished 3rd in F1J out of 5 flyers. Would have done better, but I missed the 2nd round because of engine issues. All other rounds were clean. Bill Booth won 1st in F1B out of 16 flyers.

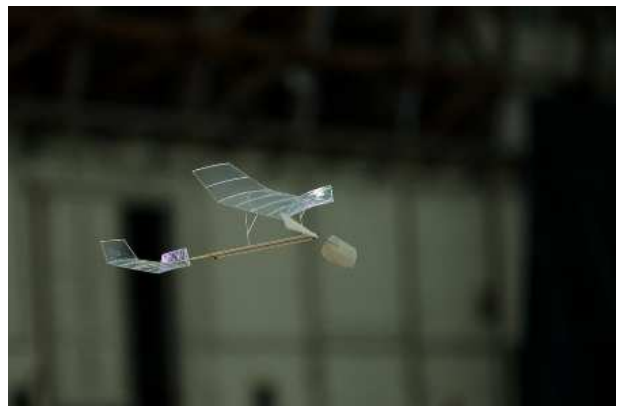
Look for the wonderful promotional flyer created by Linda Piazza in hobby stores throughout San Diego. Thank you Kathy for updating the website and thank you Arline for the wonderful action photos taking at our events.

This is a wrap for now.

Remember: "They always say time changes things, but you actually have to change them yourself.

-Andy Warhol

Don



Penny Plane climbing to the ceiling

INDOOR MONTHLY

(February 7, 2016)

Penny Plane:

(Best two of five flights)

1. Greg Hutchison	263	312	-	575
2. John Hutchison	250	291	-	541
3. Mike Jester	254	251	-	505
4. Don Bartick	185	173	-	358
5. Richard Wood	138	138	-	276



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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

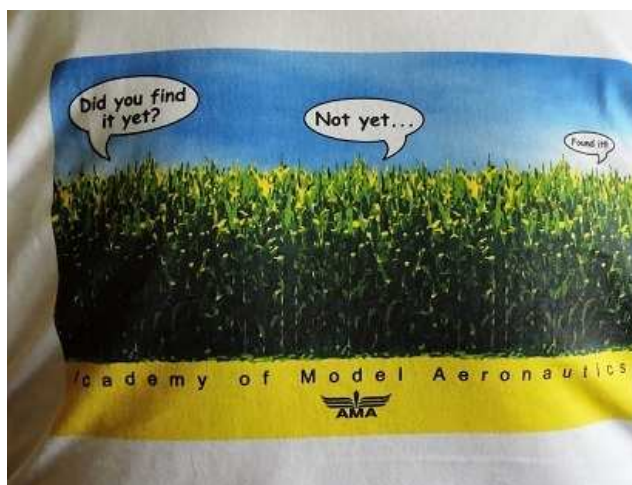
THE FINE PRINT THE FINE PRINT

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



As seen at annual banquet

FEBRUARY 2016 MONTHLY

Don Bartick, CD

Main Event was P-30

Seven entries in P-30 made for a well contested event. The weather was great. The drift was to the north. Thermals were hard to find. Clint Brooks gave us all a lesson flying his Boomer P-30. This is the plane he has kitted and sells. Very simple design that works well. Your humble CD had a mishap with his stooge that came loose from the truck tailgate while winding his plane. Fuselage aft end destroyed. With a little cyno, borrowed sticks from Mike J and magic mending tape it was back together. A little late for more than 1 trim flight. The results speak for themselves.

Results:

P-30

1 Clint Brooks	510	Boomer
2 Stan Buddenbohm	345	Air Shark
3 Greg Hutchison	315	Original
4 John Hutchison	306	Pirate
5 Mike Jester	302	Pirate
6 Don Bartick	286	Hot Box
7 Mike Pykelny	262	Hot Box

Power

1 Ralph Ray	480	Apache
2 Clint Brooks	410	Apache II
3 Mike Pykelny	301	Ebox

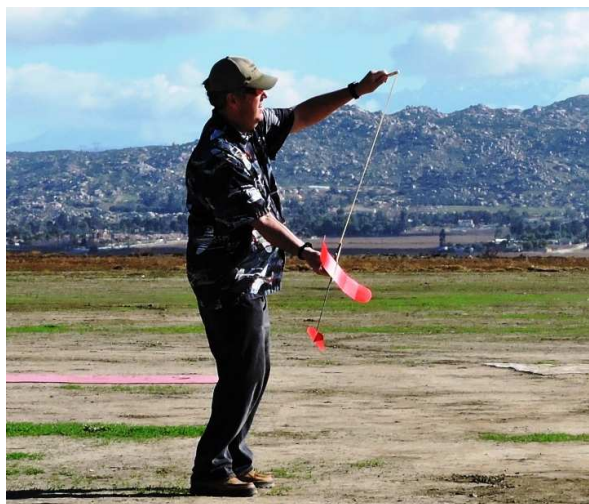
Glider

Stan Buddenbolm	308	Raven
Mike Jester	187	Path Finder
Greg Hutchison	165	Original



PICTURES BY ARLINE BARTICK

FEBRUARY 2016 MONTHLY (Pictures continued)



ORBITEER & SCALE STAFFEL ANNUAL BANQUET

Pictures by Arline Bartick



John Merrill with banquet door prizes



D.Bartick, M.Jester, & R.Willis with display



L.Miller, R.Willis & M.Jester
Raffle drawing in progress!



ORBITEER & SCALE STAFFEL ANNULA BANQUET (Continued)

Indoor - Penny Plane

1. Greg Hutchison
2. Mike Jester
3. Richard Wood

Indoor - Catapult Glider

1. Greg Hutchison
2. John Hutchison
3. Don Bartick

Indoor - A-6

1. Richard Wood
2. John Hutchison
3. Greg Hutchison



Indoor - Club Champion 2015

1. Greg Hutchison
2. John Hutchison
3. Richard Wood



Outdoor - P-30

1. Mike Jester
2. John Hutchison
3. Greg Hutchison



Outdoor - Coupe

1. Greg Hutchison
2. Mike Pykelny
3. Mark Chomyn



Outdoor - Nostalgia

1. Mike Jester
2. Mark Chomyn
3. Mike Pykelny



Outdoor - Glider

1. Greg Hutchison
2. Mike Jester
3. Mark Chomyn

**ORBITEER & SCALE STAFFEL
ANNUAL BANQUET (Continued)**



Outdoor - Club Non-Power Award
1. Mike Jester



Outdoor - Club Power Award
1. Mike Pykelny
2. Don Bartick
3. Larry Miller



Mark Chomyn launching an OT model
at a club Sunday contest.



ORBITEER OF THE YEAR 2015

GREG HUTCHISON



Richard Wood, the club member who travels
from AZ to attend our Sunday indoor
sessions.

**ORBITEER & SCALE STAFFEL
ANNUAL BANQUET** (Continued)
Pictures by Arline Bartick



John Hutchison 2ND P-30



Mike Pykelny 2ND Coupe



Larry Miller 3RD in Power



Don Bartick 2ND Power
Banquet Master of Ceremony
Orbiteer Chairman of the Board of Directors



2016 INDOOR FLYING SCHEDULE

Mar 6 - Catapult Glider, Embryo*

Apr 3 - A-6, Phantom Flash*

May 1 - Penny Plane, No-Cal*

2016 OUTDOOR FLYING SCHEDULE

Feb 28 - **Old Time Nostalgia Rubber**
Power & Glider
(No rain date)

Mar 20 - **Coupe**
Power, & Glider
(No rain date)

Apr 17 - **P-30 Memorial Oldenkamp Hot Box
Contest**
Power & Glider
(Rain date Apr 24TH)

Optimum Rubber Motor Weight

By Mike Jester



The weight of the rubber motor can have a large effect on the flight duration of rubber powered models, and in particular, on the flight duration of indoor models. The rubber motor stores all the energy for propelling the model, yet the weight of the rubber motor must be carried throughout the entire flight. There is a sweet spot in terms of the percentage of the weight of the rubber motor relative to the weight of the air frame for a given model depending on its type. For example, a Limited Penny Plane might fly for the longest duration with a rubber motor that is as much as 80% of the weight of the airplane (excluding the weight of the rubber). In this example the rubber motor could weigh 2.4 grams. Lew Gitlow's book sets forth a nice chart that shows the optimum rubber motor weight for most classes of indoor models. Some indoor classes, such as F1D, have a maximum rubber motor weight.



Outdoor flying is a whole different ball game. F1B, F1G and P-30 have maximum rubber motor weights and you need to use a rubber motor weighing very close to the maximum allowed in order to achieve the highest duration. Other outdoor rubber powered classes have no limit on the weight of the rubber motor. Depending on the type of outdoor model (e.g. scale, Old Time Rubber, etc.), somewhere between 25 - 40% would generally be the optimum range for the weight of the rubber motor compared to the weight of the model (excluding the weight of the rubber). In his book, Don Ross states "As a rough approximation, your motor should weigh between 25 and 30% of the weight of the finished model including rubber. Some large competition models go as far as 40%." There are always exceptions to rules of thumb. For example, some huge open class models can have a rubber motor that weighs close to 100% of the weight of the air frame (excluding rubber).

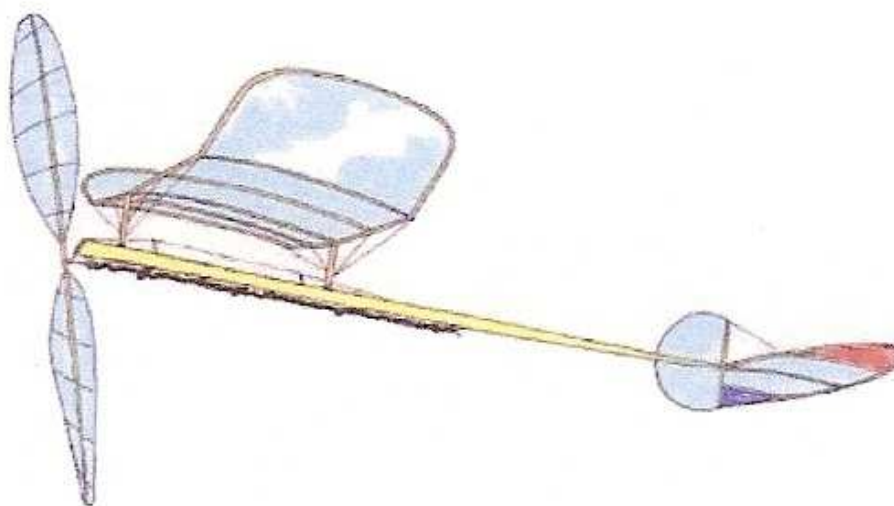
Of course matching prop to motor after optimum trim has been achieved is the ticket to the longest duration. Indoor fliers typically use a single loop of rubber and either vary the cross section of the rubber or the length of the rubber motor. When flying indoor duration models in low ceiling venues the airplane should climb very slowly, circle just below the beams and light fixtures, and land with some turns remaining. Outdoor free flight models typically use rubber motors made of multiple loops of rubber. The rubber motor for an outdoor model can have an overall cross section that provides a rapid climb and a shorter motor run, a

slow climb and a longer motor run, or an in between performance. For example, many P-30 fliers use a 6 x 1/8 inch rubber motor while others, like Don DeLoach, use a 6 x 3/32 inch rubber motor. Outdoor models usually land with a relatively small number of unused rubber motor turns left by a tensioning mechanism that folds the prop in the case of an F1B, F1G or an Old Timer model like a Gollywock. The GizmoGeezer prop assembly used in many scale models also leaves a small number of unused turns, but this is a small price to pay for reliable free-wheeling and avoidance of rubber motor braiding.

In the end, the stop watch will determine the optimum weight of the rubber motor for each of your models. Keep written records and evaluate the results. I learned the advantages of doing this early on from the late, great Cezar Banks, pictured below.



Cezar Banks - seven time second place finisher in the world F1D championships

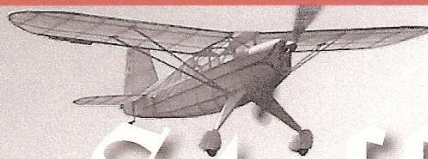


NEW CONTEST DATES

**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 1 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



First Weedwacker Aerosquadron

Lakeside, CA

SWAP MEET

Sat. March 19, 2016

Rain Date Mar. 26, 2016

**Site: Ron Smith Memorial Field
(SD County Cactus Park, Lakeside)**

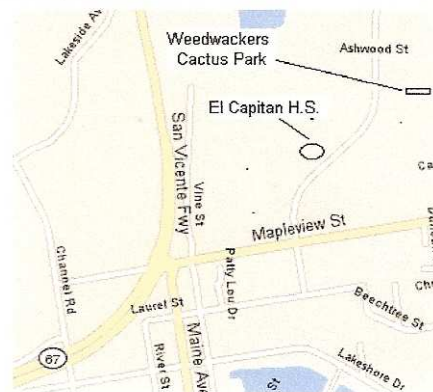
Hours: 7:30 am – 11:30 am

\$5 Seller's Fee ----Buyers Free

Refreshments Available

Information:

DON MADISON (619)-296-1510



**SAN VALEERS 67th ANNUAL & 34th ANNUAL 7 ROUNDER
APRIL 16th & 17th, 2016 - LOST HILLS, CA.**

A NFFS NATIONAL CUP, AMERICAS CUP & AMA AA SANCTIONED CONTEST
(SCAMPS/SCIFS contest same weekend with SCAMP CD Dan Heinrich 909 593-5789)

AMA CAT II & NOSTALGIA CAT II (WEATHER PERMITTING)**

SATURDAY 8 TO 5

1/2A GAS

B GAS

C GAS

1/2A Nostalgia**

1/4A GAS(15sec VTO,12sec HL) 1/4A flyoff Sun(7:30-7:45am)

SLOW GAS* (9 Sec all flights) (Slow gas flyoff Sat at 5:30 PM)

SUNDAY 8 TO 3

A GAS

D GAS

ABC Nostalgia**

BOTH DAYS

P-30 & HL Glider

Catapult Glider

Nostalgia Rubber

**(all flights same day
for each entry)**

F1A NORDIC - FIB WAKEFIELD - F1C/F1P POWER SATURDAY 8 AM TO 3 PM (7 rounds)

1st Round at 8am, F1A 210 secs, F1B & F1C 240 secs. Flyoff begins at 4:00pm

**F1G – F1H – F1Q SUNDAY 8 AM TO 11:45 (5 rounds 45 minutes ea) flyoff at 1:00 pm Champagne flyoff 7:30 to 8:00
am for tie breaker (if needed after 2 fly off flights)**

VINTAGE FAI

SATURDAY 8:00 am-1:00pm (5 1hr rounds) All flights 180 secs flyoff at 1:00pm

HUNTER MEMORIAL SUNDAY MORNING(weather permitting)-Sponsored by Mike Thompson

**RULES: Any gas free flight airplane. 15 second VTO, 12 second H.L. Highest single flight time (no max)
Starts Sunday at sunrise with 1 hr window (start time announced). Entry fee (\$1.00 per flight)**

***SLOW GAS RULES: No auto surfaces, single bypass stock engines only (except TD's .049&.051), 15%
Nitro max,3 maxes & 1 flyoff to the ground. 9sec motor runs all flights(including flyoffs)**

****NOSTALGIA per latest rulebook except motor runs which shall be 10 sec HL, 13 sec VTO for 1st 3
flights, 7 & 9 secs on all flyoff flights. Classes scored separately for National cup but awards given for
1/2A Nostalgia and ABC Nostalgia combined.**

MERCHANDISE AWARDS (engines, kits, fuel, wood, \$\$\$, etc)

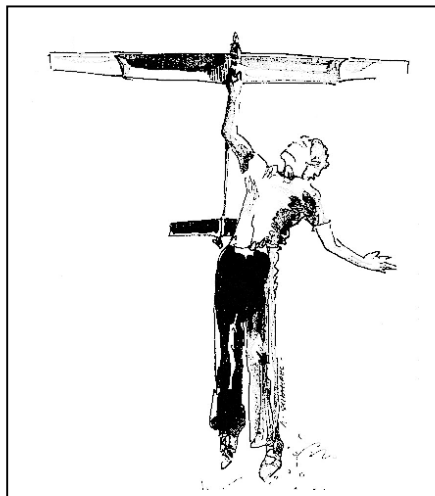
*****3.5 K&B motor RAFFLE (1 ticket for each event entered, or \$3 ea, or \$5 for 2, or \$10 for 5)*****

AMA/NOST CD: Ted Hidingier (602) 316-4430 FAI CD: Mike Thompson (805) 404-6173

**AMA & Nostalgia: 1ST event: \$10.00, Additional events: \$5.00 per event or \$35 unlimited entry, JRS
FREE, FAI events: 1st event \$20 and additional events \$10.**

"JUST BRING YOUR MODELS AND SLEEPING BAG AND HAVE FUN"

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



WHAT'S HAPPENING - FEBRUARY / MARCH 2016

Feb. 28 - **Orbiteer Outdoor Monthly**,
SCAMPS Field, Perris CA., 8:00 am.
Feature Event: **OT / Nostalgia Rubber** Other Events: **Power & Glider**
(No rain date)

Mar. 6 - **Indoor Flying**, Grossmont College (Upper Gym), 7:30 am to 11:30 am.
Feature Event: **Catapult Glider**, Other Event: **Embryo ***

Mar. 16 - **Orbiteer Board Meeting**, 6:00 pm.
Mike Jester's residence, 11 Buccaneer Way, Coronado CA 92118

Mar. 20 - **Orbiteer Outdoor Monthly**,
SCAMPS Field, Perris CA., 8:00 am.
Feature Event: **Coupe** Other Events: **Power & Glider**
(No rain date)