

EL TORBELLINO

NEWSLETTER OF SAN DIEGO ORBITEERS FREE FLIGHT CLUB

AUGUST 2016



The Prez's Corner – Don Bartick

For those of you who are members of the National Free Flight Society and those of you who should be members, our own Arline Bartick, free flight photographer extraordinaire, made the front and rear covers of the May/June NFFS Digest. Quite an honor for her. She was thrilled.

I finally got a little flying in at the August Indoor meet. It's been a bit of a dry spell since the club went dark for July/August outdoor contests and the Grossmont gym not available for July. Felt good winding rubber. On top of that, I put in some decent Penny Plane flights. Not good enough to win, but the best so far for me. Look for some pictures of the event somewhere in this ET. The Scale Staffel and Orbiteers participate together to give the indoor flyer plenty of action. Just think about it, you don't have to chase a model, nor worry about the weather. This makes indoor flying very appealing. Those of you that haven't tried indoor, take the opportunity and come to the monthly indoor contest held the first Sunday of the month starting around 7:30 am and ending at noon. It's easy to get the bug.

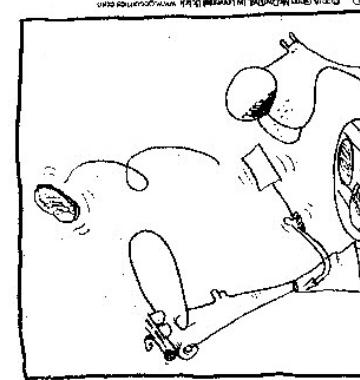
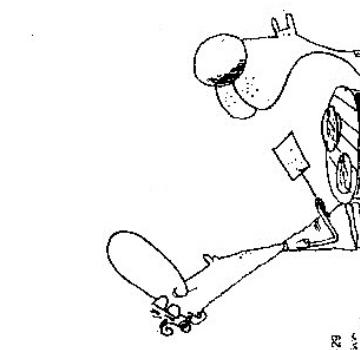
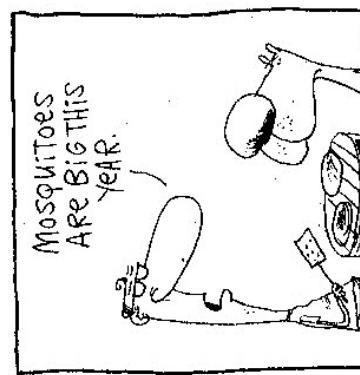
Dog days of summer are about over and the fall outdoor contests held at Lost Hills are around the corner. Look for some flyers somewhere in this ET of coming events. One specific is the US Free Flight Championships held 23-25 September. It is the largest on the West coast for all venues of Free Flight. Awards are cash. Try it, you may really like it.

The Summer Olympics are almost over. I would doubt in the near future there will be an event for Drones. I've noticed that they have Drone races and obstacle courses. My my, what a waste of time when they could be building and flying free flight.

That's a wrap for now.

Remember: "You can tell more about a person by what he says about others, then by what others say about him."

-Leo Aiken





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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

Marmaduke by Brad & Paul Anderson



"No, we don't need to call the fire department."

AUGUST 2016 INDOOR MONTHLY
(August 7, 2016)
CD: William Scott

PENNY PLANE:

(Best two of five flights)

- | | | | | |
|-------------------|-----|-----|---|-----|
| 1) Mike Jester | 289 | 311 | - | 600 |
| 2) John Hutchison | 287 | 312 | - | 599 |
| 3) Don Bartick | 276 | 393 | - | 569 |
| 4) Greg Hutchison | 270 | 293 | - | 563 |
| 5) Richard Wood | DNF | | | |



No-Cal in flight

PHOTOS PROVIDED BY ARLINE BARTICK

NO-CAL:

- | | | | | | | |
|-------------------|------------------|----|----|----|---|-----|
| 1) John Hutchison | Waterman Gosling | 74 | 74 | 80 | - | 228 |
| 2) Mike Jester | Pilatus Porter | 81 | 81 | 53 | - | 215 |
| 3) Richard Wood | Zero | 72 | 70 | 63 | - | 205 |
| 4) Nick Panousis | Curtiss P-40 | 18 | 18 | 19 | - | 55 |



Penny Plane pushing the ceiling



Penny Plane getting ready



Mike Jester No-Cal preparation



Greg Hutchison hand winding PP

The P-30 Free Flight Outdoor Event

By Mike Jester



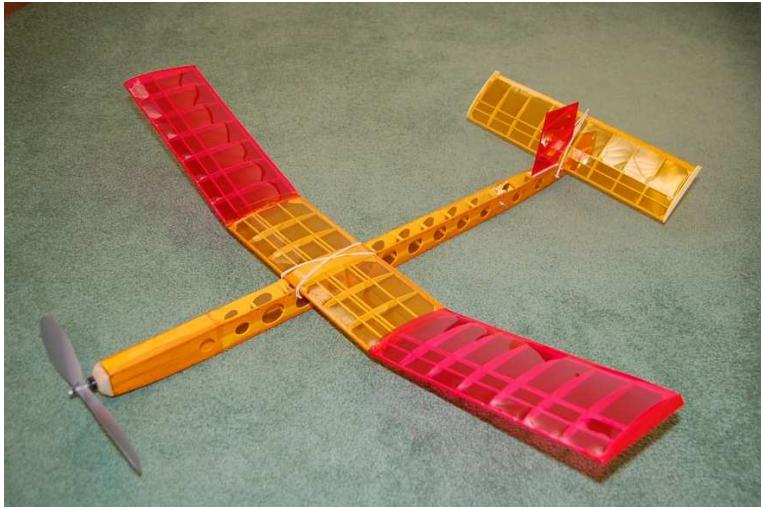
This article summarizes the basics of the P-30 event in the hopes of enticing those who have not tried this event to get on board. It was originally created and developed by the San Diego Orbiteers club in the 1970's as an entry level event suitable for small flying fields. The P-30 event is now popular all over the world. The rules are simple. When assembled the P-30 airframe is limited to a maximum dimension of 30 inches in any orientation. The prop must be a commercially available plastic freewheeling propeller with a diameter between 9.05 and 9.84 inches. The maximum weight of the lubricated rubber motor is 10 grams and the minimum weight of the model, without the rubber motor, is 40 grams. In a P-30 contest the flier's score is the total of three official flights, each with a two minute maximum. There is a fly-off to break a tie score in which 30 seconds are added to the maximum in each round until a winner is declared.

Over several decades many different P-30 models have been designed that have flown successfully. Quite a few P-30 plans have been published and are still readily available. Lots of P-30 models have been kitted. See p30page.weebly.com for pictures and descriptions of many popular P-30 models. They basically fall into two separate categories: 1) those with built-up stick and tissue fuselages; and 2) those with rolled tube fuselages. One of the earliest P-30 models is the HOT BOX designed by the late San Diego Orbiteer, John Oldenkamp, who was a very accomplished modeler and flier. It is still being flown by club members to this day, and is very competitive. An example of this model is the beautiful HOT BOX P-30 built by Mark Chomyn that is pictured below.



HOT BOX P-30 Built by Mark Chomyn

My first P-30 was a Square Eagle (pictured hereafter). This model was wisely recommended to me by John Hutchison. I built it from the kit sold at the time by Blue Ridge Models. In my never ending quest to reduce weight, I cut big round holes in the balsa sheet fuselage sides. This was not necessary, and provoked lots of teasing at my first P-30 contest at the club's old Otay Mesa flying field. I got lucky with thermals and won that contest, proving that any model, and any flier, can win a P-30 contest. I used a 9 ½ inch GizmoGeezer prop assembly because it allows for easy thrust line adjustments and it free wheels in a very reliable fashion at the conclusion of the rubber motor run.



Square Eagle P-30 Built by Mike Jester

Probably the simplest P-30 to construct is the One Nite 28 sold in kit form for many years by Peck-Polymers. The recent reincarnation of that company is not yet selling the One Nite 28 kit but I suspect it will in the near future. Leave off the single wheel landing gear and the tip plates on the stab as P-30 is not a rise-off-the-ground (ROG) event. Don't be tempted to increase the wingspan from 28 inches. It flies great!



Peck-Polymers One Nite 28 P-30 Built by Dave Scigliano

More accomplished P-30 builders and fliers may wish to build an advanced design such as the Boomer MK III, available in kit form from CB Model Designs. See www.cbmodeldesigns.com. This model was designed by Clint Brooks who has achieved considerable success in very competitive P-30 contests. The kit includes a GizmoGeezer prop assembly and a pre-fabricated balsa tube fuselage with a wing pylon already installed. Hardware is also included for installing a dual DT system with both a pop-up wing and pop-up stab. The under cambered wing of the MK III has built-in washout. I have personally seen Clint fly this P-30 model at the SCAMPS field in Perris, California and its performance is very impressive.



Boomer MK III P-30 Built by Clint Brooks

Another top performing P-30 model is the Pirate designed by a Russian, Andrey Burdov. At one time it could be purchased ready-to-fly from Starlink Flitetech. See www.starlink-flitetech.com. It has a very narrow tubular fuselage and an integral wing pylon, both formed of some type of very thin fiberglass material. The Pirate P-30 has an under cambered wing with a carbon fiber spar. I believe that Mike Pykelny is currently working on making the Pirate P-30 available again from Starlink Flitetech. He also sells Stan Buddenbohm's Air Shark MK II P-30 in kit form, which is a very competitive design. Many know about Stan's world records in glider events, but they may not know that he is also an extremely accomplished rubber power builder and flier.



John Hutchison Launching his Pirate P-30 at Otay Mesa, California

Here are a few comments about building and flying a P-30 model. As in all rubber powered free flight events, weight is your enemy in the P-30 event. It is difficult to build a P-30 near the 40 gram minimum weight specified in the rules. Most P-30 models come out somewhere between 40 and 50 grams. However, P-30 models that are a few grams over the minimum still seem to be very competitive. Nearly every one flies their P-30 airplanes with a 6 x 1/8 inch rubber motor, which ends up being around 19 inches in length. This rubber motor configuration gives a nice combination of climb and cruise for the type of prop specified in the rules. Many P-30 fliers insist that the Czech (Ikara) prop provides the best performance in this event. However, I have tried every commercially available legal P-30 prop and have not noticed much of a difference in performance, if any at all. It would be prudent to incorporate a de-thermalizer (DT) into your P-30 model as it will fly OOS if it catches a thermal. Tilt-up stab, pop-up wing, and pop-off wing DT systems are all used in P-30 models. The optimum trim depends on the model but the most competitive P-30 airplanes seem to climb in a relatively steep corkscrew pattern for 40+ seconds before transitioning into the glide phase of the flight. As in most outdoor free flight events, amongst fliers with well-trimmed models the winner of a P-30 contest is often the flier that "picks the best air."

Every three months P-30 is the featured event at our club's outdoor contests in Perris, California. It would be nice if we had some new P-30 fliers on October 16, 2016, which is our next scheduled P-30 contest. Seasoned club members would be glad to assist you in trimming your new P-30 model at that contest. See you there.



51st Rocky Mountain Free Flight Championships Sept. 2-5, 2016

Cat. II, Class AAA, National Cup *Exempt*

- FAI America's Cup: *Dynasty Cup*
- FAC Mountain States Scramble

Located about 20 miles ESE of downtown Denver. Drive six miles east of E-470 on Quincy Ave. Continue one mile east of "T" intersection at Watkins Road, look for MMM entry gate on right (south) side. Call or e-mail for gate combo.

Friday, 9/2 3-5 p.m.

FAC Scale judging at Hickory House Ribs (downstairs banquet room) 10335 South Parker Road, Parker, CO. 1/2 mile past Lincoln Ave. intersection.

Saturday, 9/3 8 a.m. - 5 p.m.

Dynasty Cup: F1A, B, C | P, Q
Vintage FAI Power
AMA P-30
AMA A | B Electric combo
AMA AB Classic Gas
NFFS Classic Towline
SAM A | B | C O.T. Gas combo
Nos. 1/2A | Early 1/2A | 1/4A Gas
FAC WWI Combat (11 a.m.)
FAC Greve Race (1 p.m.)
FAC *No-Blue-Max* Horde (3 p.m.)
FAC Dime Scale
FAC Embryo
FAC Jet Catapult Scale

Sunday, 9/4 8 a.m. - 5 p.m.

Gollywocks Galore: 7:30 a.m. launch
Dynasty Cup: F1G, H, J, S
AMA C | D Gas combo
AMA CD Classic Gas
Nos. B | C Gas combo
AMA HLG
Nos. Sm. Rubber | NFFS Sm. Mulvihill | SAM Sm. OT Rubber combo
E-Nos. 1/2A | ABC combo
FAC Low Wing Trnr. M.L. (11 a.m.)
FAC WWII Combat (1 p.m.)
FAC 2-Bit + 1
FAC OT Stick
HLG Mass Launch (5:15 p.m.)

Monday 9/5 8 a.m. - 3 p.m.

Dawn Power: 7:30 launch
AMA A | B Gas combo
AMA 1/2A | 1/2A Classic combo
A Nostalgia Gas
AMA E-36
AMA Catapult Glider
SAM .020 Replica
SAM OTHLG | OT CLG
MMM Slow Open Power
AMA Mulvihill | Moffett combo
SAM Large O.T. | Nos. Large Rubber combo



The Fine Print:

- On-site tent/RV camping allowed, no water or hookups, \$25 flat fee for any number of nights; no campfires.
- Lunch vendor on site Saturday, Sunday, Monday. Please support our vendor!
- All events will follow current AMA, NFFS, FAC, FAI, and SAM rules; Exception: ROG is optional in all events.
- In combined events contestants may fly any/all events within the groupings for National Cup points and/or to better an existing score for RMFFC award purposes. For example, in C/D Gas Combo, you may fly separate flight strings with both C and D models.





Only your best score of the two will count for RMFFC awards purposes; both scores count for National Cup points.

- MMM SLOP: 20K ground RPM limit up to .10, .10 and over limited to 18K. Category II Nostalgia engine runs and maxes.
- At CD's discretion AMA and OT HLG and CLG may be flown from a 40'x40' launch pen.
- Old Timer HLG/CLG: same flyoff rules as AMA CLG/HLG (120s max, one chance to max, keep maxing until you drop).
- FAI events: 60 minute rounds starting at 8:00 a.m. each day, weather permitting. Seven rounds of F1ABC/P Saturday; 5 rounds of F1GHJS Sunday. Flyoffs (if needed): 5:10-5:20 p.m. and/or the following morning.
- FAC No-Blue-Max Flying Horde open to any FAC model, scale or duration, non Blue Max holders only. Single round, last one down is the winner and gets a Kanone!
- Gollywocks Galore: Meet at 7:15. Launch window: 7:30-7:40 a.m. Must wind and launch inside the 10-minute window, no max, timed to the ground. Eligible models: Gollywock, Vargowock, Jabberwock, Dynamoe. All SAM rules apply.
- Dawn Power: 7:30-7:40 a.m. launch window. All power models fly together including FAI, Nos, AMA, SLOP, Electric. One attempt allowed for one flight with no max. 15-second engine run.
- Dave Wineland's Gas Attack! \$100 cash to the longest string of maxes in any regular RMFFC gas event including AMA, Nos, SAM, FAI, MMM SLOP. Must follow rulebook engine runs/maxes including flyoffs. Automatic, free entry. Thanks Dave!
- Awards through third place in all events.
- The following RMFFC perpetual trophies will be awarded: F1A, F1B, Gollywock, Mulvihill, Rubber Scale, Collins Glider Hi-Point, Gibbons Rubber Hi-Point, McGhee Power (includes electric events) Hi-Point, and the 1961 RMFFC Grand Champion Trophy.
- Grand Champion scoring: Choose up to 5 events: 1 Rubber, 1 Power, 1 Glider, 2 of any. 5, 3, 1 points for 1st, 2nd, 3rd places respectively; bonus points based on number of competitors in each event per the NFFS scoring matrix. See NFFS rulebook, page 12: <www.freeflight.org>. Tiebreaker: Total points accrued in flyers' other events apart from the five chosen events.
- CD reserves the right to reduce maxes/engine runs to suit weather/field conditions.
- Raffle during awards ceremony Monday, appx 4 p.m. **PLEASE DONATE ITEMS**. 100% of ticket sales benefit MMM and our great flying site.
- Glider Champion, Rubber Champion, Power Champion scoring: 5, 3, 1 points for 1st, 2nd, 3rd, per the NFFS scoring matrix. All glider/rubber/power events count including scale (excluding mass launches). No maximum number of events to be counted. Tiebreaker: total number of maxes achieved. "Power" includes electric events.
- Junior/Senior Championship award: for highest scoring Junior/Senior per the RMFFC Grand Champ scoring (above).
- Accomodations: 20 min. from field, 5 min. from banquet: Super 8, Parker, Colo., 720-851-2644, \$92 including tax for a two-queen room in prepay online at <www.super8.com/parker>. 2. Hampton Inn, Parker, Colo., E-470 at U.S. 83 / Parker Rd., 303-841-2977, appx \$110. 30 min. from field, 15 min. from banquet: Motel 6, Arapahoe Rd. at I-25, 303-790-8220. Appx \$60.

Detach & mail (or scan and email) to: Don DeLoach 831 E. Willamette, Colo. Spgs, CO 80903, <ddeloach@comcast.net>.

Entry Fees: Open: \$20 first event, \$10 each event thereafter, \$50 max. Juniors/Seniors: \$10 flies unlimited events. Make checks payable to "MMM Club" or Paypal to <mommffclub@gmail.com>. **Make your contest directors happy...PLEASE PRE-ENTER!**

>> Pre-entry: Unlimited events for \$40, if entry & payment received by 8/31/15 <<

Name _____ Address _____

City, State, Zip _____ AMA # _____ J S A

Banquet Saturday night Hickory House BBQ, 10335 Parker Rd.. Cash bar 6:30 p.m., dinner at 7:30 p.m. # of attendees @ \$25 each: _____

Total fees enclosed : \$ _____

Circle events you wish to enter. Star or highlight your five Grand Champ events (1 glider, 1 power, 1 rubber, plus 2 of any type.) Must choose Grand Champ events prior to flying any.

Saturday: F1A, F1B, F1C/P, F1Q; Vintage FAI Power; P-30; A | B Electric combo; AB Classic Gas; NFFS Classic Towline; SAM A | B | C.O.T. Gas combo; Nos. 1/2A | Early 1/2A | 1/4A Gas combo; FAC WWI Combat (11 a.m.); FAC Embryo; FAC Greve (1 p.m.); FAC Jet Catapult Scale; FAC Dime Scale; FAC No-Blue-Max Flying Horde (3 p.m.).

Sunday: Gollywocks Galore; FIG, FIH, FIJ, FIS; AMA C | D Gas combo; AMA CD Classic Gas; AMA HLG; Nos. Small Rubber | NFFS Small Mulvihill | SAM Small OT Rubbercombo; Nos. B | C Gas combo; E-Nos. 1/2A | ABC combo; HLG Mass Launch 5:15 p.m. FAC Low Wing Trainer M.L. (11 a.m.); FAC WWII Combat (1 p.m.); FAC 2-Bit + 1; FAC OT Stick.

Monday: Dawn Power; AMA A | B Gas combo; A Nostalgia Gas; AMA E-36; AMA Catapult; SAM .020 Replica; SAM OT HLG | CLG combo; MMM Slow Open Power; AMA Mulvihill | Moffett combo; SAM Large O.T. | Nos. Large Rubber combo, AMA 1/2A | 1/2A Classic Gas combo.

Any day: FAC Peanut Scale, FAC Rubber Scale, FAC Power Scale, Junior P-30, Junior E-36, Junior HLG, Junior CLG.

46th ANNUAL UNITED STATES FREE FLIGHT CHAMPIONSHIPS

September 23 – 25, 2016 at Lost Hills, CA. Category II – AMA Sanction – American & National Cup



US FF CHAMPS REGISTRATION: Proof of current AMA Membership and current Lost Hill's Membership required. \$30 includes *first* Event. Additional events are \$10 each. Gold card \$75 includes unlimited event. Juniors \$5 per event with awards in all events.

Awards: Cash: Five or more flyers 1st/\$50, 2nd/\$25, 3rd/\$15. Four flyers 1st/\$25, 2nd/\$15. Three flyers 1st/\$15. Two flyers 1st/\$5. JR EVENTS will be 1st/\$15, 2nd/\$10, 3rd/\$5.
Sweepstakes: \$100 cash

Lost Hills Member's Meeting, Saturday, September 24th at 6:30 p.m. at CD table

Notes:

Timecards: Submit timecards to CD table or event table after each official flight.
ENTER ALL TIMES IN SECONDS, except TEXACO Events.

Hand Launch and Catapult Glider will be flown from a pen - submit time cards to CD table every two flights.

All Engine Runs and Max Times are per the AMA Rule Book and NFHS Official Competition Rules.

FAI Saturday Events – (7) one hour rounds, starting at 8 a.m. F1A first round max 210 sec. F1B, C, P first round max 240 sec All other rounds 180 sec. Flyoff rounds no earlier than 4 p.m. per CD.
FAI Sunday Events – F1G, H and Q (5) forty-five min rounds beginning at 8 a.m. F1G, H 120 sec max F1Q 180 sec max Flyoff rounds no earlier than 1 p.m. per CD.

Sweepstakes Total time for a maximum of 5 events.

Terry Kerger, Contest Director, Cell : 626-260-6292, Terry@civiltec.com Lost Hills Web Site: <http://www.lhffmaa.com>

See other side for Schedule of Events.

46th ANNUAL UNITED STATES FREE FLIGHT CHAMPIONSHIPS

September 23 - 25, 2016 at Lost Hills, CA - Category II - AMA Sanction - American & National Cup Events

Friday September 23 7 a.m. - 5 p.m. Modern Events	Saturday September 24 7 a.m. - 5 p.m. Modern Events and FAI	Sunday September 25 7 a.m. - 3 p.m. Modern Events and FAI
E-36 & A Electric P-30 Moffett and Mulvihill Super D Gas	E-36 & A Electric P-30 Moffett and Mulvihill Catapult Glider Pen (Jr and Open) A Gas C/D Gas F1A, F1B and F1C/P	E-36 & A Electric P-30 Moffett and Mulvihill Hand Launch Glider Pen (Jr and Open) 1/2 A Gas (Jr and Open) B Gas F1G, F1H, F1Q
NOSTALGIA EVENTS	NOSTALGIA EVENTS	NOSTALGIA EVENTS
Nostalgia Electric Early 1/2 A Nostalgia Nostalgia Rubber Large & Small You may fly your first three flights of any Nostalgia or Classic event.	Nostalgia Electric Early 1/2 A Nostalgia Nostalgia Rubber Large & Small 1/2 A Gas Nost. B Gas Nost. C Gas Nost Vintage Power FAI	Nostalgia Electric Early 1/2 A Nostalgia Nostalgia Rubber Large & Small 1/4 A Gas Nost. A Gas Nost. Vintage Power FAI
CLASSIC	CLASSIC	CLASSIC
Classic Towline Jimmy Allen	Classic Towline Classic 1/2 A Gas Jimmy Allen	Classic Towline Classic A/B Gas Jimmy Allen
OLD TIMER EVENTS	OLD TIMER EVENTS	OLD TIMER EVENTS
1/2 A Texaco (ROG) Texaco (ROG) A Pylon / A Fuselage B/C Pylon / B/C Fuselage .020 Replica	NOTE: Old Timer Only...ALL O/T Events can be flown any day at any time during the Contest. You do not have to start and finish the same day.	Small Rubber Stick Small Rubber Cabin Large Rubber Stick Large Rubber Cabin / 8 oz. Wakefield Compressed Air (2 min max)
Note: See reverse side for Engine Runs and flight Times Sweepstakes Award for Total Air Time 5 events max.	UNOFFICIAL EVENTS	UNOFFICIAL EVENTS
	7:30 a.m. Collywock Mass Launch 9:30 a.m. "The Mikkelsen Memorial" Twin Pusher Mass Launch Night Gas	7 a.m.-7:30 a.m. Dawn Mulvihill & Big E 9 a.m. Compressed Air Mass Launch

* see other side for Awards and Contest information 8/10/16

**SAN VALEERS 29 th ALL NOSTALGIA ANNUAL
LOST HILLS, CALIFORNIA* OCTOBER 29-30, 2016**

C.D. Terry Thorkildsen 805/495-6135; Co C.D. Tom Laird 310/544-7606

**CAT 2-3 MIN. MAX. THIS IS A NFFS NATIONAL CUP CONTEST
(Combined with old timer SCIFS/SCAMPS Contest Same Weekend,
SCAMPS contact D. Heinrich (909) 593-5789 SCIFS M. Myer 818 439-3799)**

<u>SATURDAY</u>	<u>SUNDAY</u>	<u>BOTH DAYS</u>
7:00AM – 4:30PM	7:00AM - 3PM	NOSTALGIA CABIN combined Any cabin design & engine size including Payload (dummy optional) Must Have Front Windshield
1/4 A NOSTALGIA	A NOSTALGIA	ONE DESIGN EVENT: Jays bird or Simpson Tornado
1/2 A NOSTALGIA	B NOSTALGIA	1/2 A EARLY BIRD
C NOSTALGIA	Vintage FAI (rules per NFFS 2015/2016)	COMBINED NOST RUBBER
NOSTALGIA Plus GLIDER (A1/A2) Proxy Towing ok if physically required		COMBINED ONE DESIGN GAS MODELS (All previous eligible designs)

****Holland Hornet .049 Mark II**donated by Lee Hunt to be awarded by
Raffle (1 ticket for each event entered or \$3 ea, or \$5 for 2, or \$10 for 5)**

EVENT PRIZES: MERCHANDISE * ENGINES*KITS*BALSA*ETC.

ALL MODELS MAY BE CHECKED AND WEIGHED LESS FUEL, BEFORE FIRST FLIGHT

**ONE DESIGN: Jays Bird 250(N)/ Simpson Tornado (AMA) with any nostalgia legal
engine or TD .049/.051 EVENT PRIZES: \$45 FOR 1ST, \$30 FOR 2ND, \$15 FOR 3RD**

**COMB NOST RUBBER: Designs from 1943-1956, Maxes: 2 min, 3 min, 4 min, & all flyoff
flights 4 min max**

**ENGINE RUNS ALL NOSTALGIA EVENTS & 1 DESIGN: First 3 Flights 10 Seconds HL 13 sec
VTO, all Flyoff Flights will be 7 Secs HL and 9 secs VTO, all other rules per NFFS Rulebook 2015-
2016 for CAT 2. (see NFFS 2015/2016 for vintage FAI rules)**

NFFS RULES LIST NO. 2015-2016 NO RE-ENTRY.

**Entry fees: Registration \$5.00, SR. & OPEN: \$5.00 per event or \$35 unlimited entry,
JR's: \$3.00 All EVENTS ARE JSO**

2016 COMBINED FLYING SCHEDULE

Sept 11 - **Coupe**
Power & Glider
(Rain date Sept 18TH)

Sept 23 – 25 US FF Championships, Lost Hills*

Oct 16 - **P-30**
Power & Glider
(Rain date Oct 23RD)

Oct **SW FAI Champs, Boulder City, NV***

Nov 12/13 **Scale Staffel FAC Scale Contest***
(3 of 3)

Nov 20 - **Old Time Nostalgia Rubber**
Power & Glider
(No rain date)

Dec 11 - **Coupe**
Power & Glider
(Rain date Dec 18TH)

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



MORE AUGUST INDOOR PHOTOS By Arline Bartick



Richard Woods with No-Cal



John Hutchison with No-Cal

2016 INDOOR FLYING SCHEDULE

Sept 4 - Catapult Glider, Embryo*

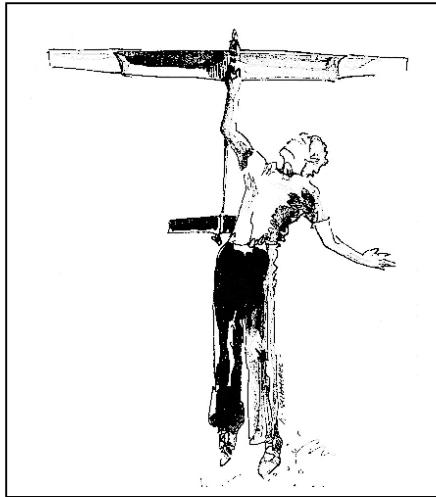
Oct 2 - A-6, Phantom Flash*

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

Dec 4 - Catapult Glider, Embryo*

*Non-ORBITEER Points Event

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



WHAT'S HAPPENING -

September / October 2016

Sept. 4 - **Indoor Flying**, Grossmont College (Upper Gym), 7:30 am to 11:30 am.
Feature Event: **Catapult Glider**, Other Event: **Embryo** *

Sept. 11 - **Orbiteer Outdoor Monthly**,
SCAMPS Field, Perris CA, 8:00 am.
Feature Event: **Coupe** Other Events: **Power & Glider**

Sept. 21 - **Orbiteer Board Meeting**, 6:00 pm.
John & Kathy Hutchison residence, 7945 Michelle Dr, La Mesa CA 91942

Oct. 4 - **Indoor Flying**, Grossmont College (Upper Gym), 7:30 am to 11:30 am.
Feature Event: **A-6**, Other Event: **Phantom Flash** *

Oct. 16 - **Orbiteer Outdoor Monthly**,
SCAMPS Field, Perris CA, 8:00 am.
Feature Event: **P-30** Other Events: **Power & Glider**