

# EL TORBELLINO

NEWSLETTER OF SAN DIEGO ORBITEERS FREE FLIGHT CLUB

AUGUST 2018



## *The Prez's Corner – Don Bartick*

There is little to say this month, but we'll make the best of it. We had a couple additional sales of Harry's and Gus's FF stuff. Mike Pekelny took it upon himself to sell an assortment of Harry's small nitro engines and I sold a couple of Gus's CO2 engines. Total to the Orbiteers was \$80. Same amount to the Scale Staffel club. I still have some CO2 engines available. Anyone interested, email me. Contact info is on the inside cover of this ET.

I sure miss flying outdoors. The super hot weather hasn't been fun. As you know, I also grow wine grapes and make wine for a hobby. Well, that heat wave that brought Ramona record heat of 117 degrees also was devastating to many of the commercial vineyards and wineries in Ramona. Large percentages of grapes were lost. So sad. My vineyard escaped damage fortunately. Sure do have a deep respect for farming. Let's hope we can resume outdoor flying next month.

I've had some time to do some building. First off the board was a Gollywock for small OT rubber. Next, will be a Joulebox Mk III E-30 by Clint Brooks. This was a birthday gift from my lovely Arline. She has been pressuring me to get into electric FF. Well, she took it upon herself to make it happen. I'm looking forward to trying something different. Although, I still love the smell of Nitro.

Indoor flying continues to grow. The folks getting into Indoor FF are starting to get real good at it. The competition is great. For those of you out there in Orbiteers land that hasn't flown Indoor FF, you should really consider this venue. The planes are simple, cheap and lots of fun to fly but still challenging. The

weather is always great and the chases are very short.

The Outdoor Competition season is almost upon us. Look for contest flyers in the ET.

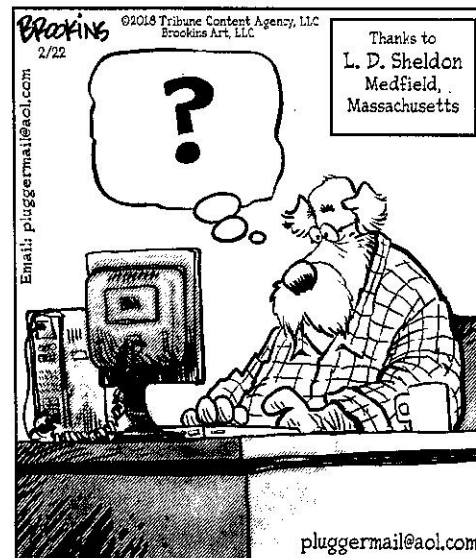
One last word. Our ET Editor, Howard Haupt continues to put out an outstanding monthly newsletter. I'm sure he would like to hear from you from time to time. He's open to new ideas and any constructive criticisms you might have. We're very thankful to have him in this job.

That's a wrap for now.

Remember: "Destiny is no matter of choice. It is a matter of choice."

*-William Jennings Bryan*

## **Pluggers** by Gary Brookin



The average plugger sometimes forgets why he walked into a room. The "techie" plugger sometimes forgets why he turned on his computer.

## BOARD OF TRUSTEES



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### Safety Officer & Field Marshall

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### Newsletter Editor / Membership Coordinator

Howard Haupt .....(858) 272-5656  
[hlhaupt1033@att.net](mailto:hlhaupt1033@att.net)

## 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](http://www.SanDiegoOrbiteers.com)

Webmaster: Kathy McLaughlin



The Flight Line – August 2018 Indoor Meet  
Photo by Arline Bartick

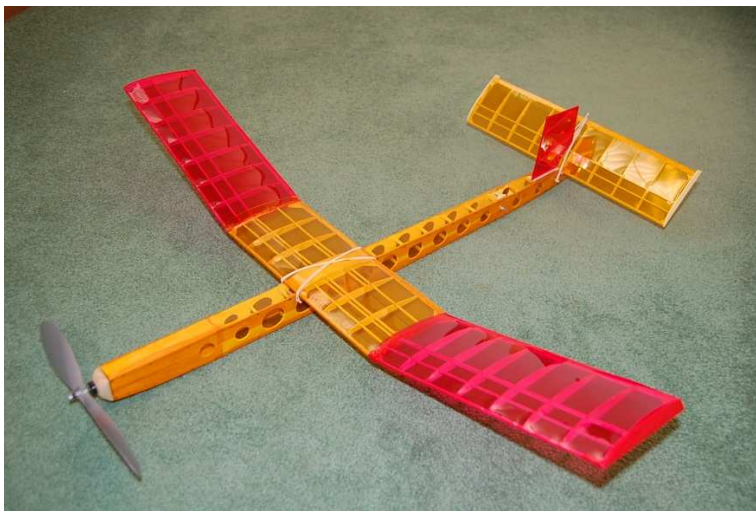


## Square Eagle P-30

*By Mike Jester*



The P-30 class for outdoor free flight rubber powered models was developed in the late 1970's by Harry Steinmetz and the late John Oldenkamp, both long time members of the San Diego Orbiteers. It has proven to be a very popular class and is flown all over the world. The P-30 rules are pretty simple. The maximum dimension of the model in any orientation is 30 inches. The prop must be a commercially available plastic prop of roughly 9 1/2 inches in diameter. The minimum weight of the P-30 model is 40 grams and the maximum weight of the lubricated rubber motor is 10 grams. My first P-30 was a Square Eagle (pictured below). This model was wisely recommended to me by John Hutchison. I built mine 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 five years ago, proving that any model, and any flier, can win a P-30 contest. I used a 9 1/2-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. Unfortunately the GizmoGeezer prop assembly is no longer being manufactured and retail supplies of the 9 1/2-inch version have been exhausted. You can build the new adjustable thrust bearing kit from CB Model Designs or you can resort to the tried and true method of shimming the nose block during trimming.



*Square Eagle P-30 Built by Mike Jester*

The Square Eagle kit is apparently no longer being manufactured and sold. You might be able to purchase a Square Eagle kit on eBay. If not, recently an electronic NFFS newsletter that I received via email contained a link to the plan for the Square Eagle. So you can scratch build this model without too much difficulty. A reduced version of the plan for the Square Eagle is attached at the end of this article. A full-size copy of the plan is available from the AMA plans service for \$6.



**WING LEFT PANEL**

WING LEFT PANEL DETAIL VIEW

WING MAIN PANEL

WING RIGHT PANEL

**FUSELAGE SIDE VIEW**

**FUSELAGE TOP VIEW**

**SQUARE CABLE P-30**

Technical drawings of the P-30 aircraft, showing various views and details. The drawings include:

- WING LEFT PANEL:** A detailed view of the left wing panel, showing the internal structure and the location of the wing root and tip.
- WING MAIN PANEL:** A detailed view of the main wing panel, showing the internal structure and the location of the wing root and tip.
- WING RIGHT PANEL:** A detailed view of the right wing panel, showing the internal structure and the location of the wing root and tip.
- FUSELAGE SIDE VIEW:** A side view of the fuselage, showing the overall shape and the location of the cockpit, cabin, and tail.
- FUSELAGE TOP VIEW:** A top view of the fuselage, showing the overall shape and the location of the cockpit, cabin, and tail.
- SQUARE CABLE P-30:** A detailed view of a square cable, showing the internal structure and the location of the cable root and tip.

The drawings are labeled with various dimensions and specifications, such as "WING LEFT PANEL DETAIL VIEW", "WING MAIN PANEL", "WING RIGHT PANEL", "FUSELAGE SIDE VIEW", "FUSELAGE TOP VIEW", and "SQUARE CABLE P-30".



## Orbiteers - Indoor Contest Results - August 5, 2018



### Limited Penny Plane

<u>Flier</u>	<u>Best 2 of 5 flights</u>		<u>Total</u>	<u>Rank</u>
Mike Jester	280	332	612	1
John Alling	302	308	610	2
Richard Wood	245	302	547	3
Don Bartick	273	261	534	4
John Hutchison	257	268	525	5
Don Brent	220	218	438	6
Greg Hutchison	193	227	420	7



Mike Jester



Richard Wood and John Alling



Don Bartick



← Don Brent



John Hutchison

Photos by Arline Bartick

## Scale Staffel - Indoor Contest Results - August 5, 2018



### No-Cal

<u>Flier</u>	<u>Model</u>	<u>3 flights</u>	<u>Total</u>	<u>Rank</u>
Steve Shepersky	Chamber Maid	77 87 111	275	1
Richard Wood	Spitfire	76 78 69	223	2
Don Brent	Piper	DNF		
John Alling	Fokker E3	DNF		
John Hutchison	Racer	DNF		



Don Brent



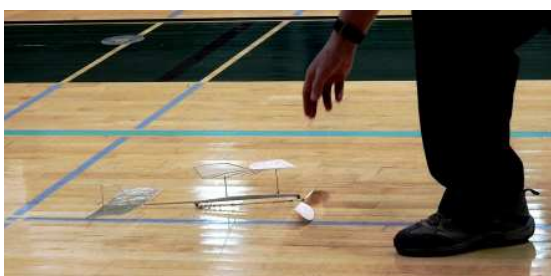
Steve Shepersky / Walter Ainslie / John Alling



William Scott



John and Greg Hutchison



Photos by Arline Bartick



## 2018 OUTDOOR FLYING SCHEDULE

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All are AMA Sanctioned & National Cup Events

August - No Club Outdoor Contest

Sept 16 - **Coupe**  
E36/Power & HL/Catapult Glider  
(Sept 23<sup>RD</sup> rain date)

Sept ?? **US FF Champs, Lost Hills\***

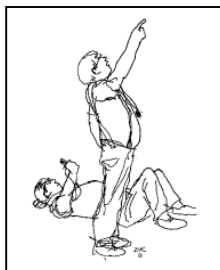
Oct 14 - **P-30**  
E36/Power & HL/Catapult Glider  
(Oct 28<sup>TH</sup> rain date)

Nov 11 - **Old Time Nostalgia Rubber**  
E36/Power & HL/Catapult Glider  
(Nov 25<sup>TH</sup> rain date)

Nov 17/18 **Scale Staffel FAC Scale Contest\***  
(3 of 3)

Dec 9 - **Coupe**  
E36/Power & HL/Catapult Glider  
(Dec 16<sup>TH</sup> rain date)

\* Non-Club Points Event



## 2018 INDOOR FLYING SCHEDULE

Sept 2 - P-18 & Embryo\*

Oct 7 - A-6 & Phantom Flash\*

Nov 4 - Lmt. Penny Plane, No-Cal\* &  
Canard One-Design\*  
(Wrisley Zephyr)

Dec 2 - P-18 & Embryo\*

\*Non-Club Points Event

## THERE IS A NEW GOLLYWOCK IN TOWN – Built by D.Bartick



# 48<sup>th</sup> ANNUAL UNITED STATES FREE FLIGHT CHAMPIONSHIPS

September 21 - 23, 2018 at Lost Hills, CA - Category II - AMA Sanction - American & National Cup Events

Friday September 21 7 a.m. - 5 p.m. Modern Events	Saturday September 22 7 a.m. - 5 p.m. Modern Events and FAI	Sunday September 23 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(Special)/P See back Vintage FAI Power	E-36 A Electric P-30* Moffett and Mulvihill Hand Launch Glider* Pen (Jr and Open) F1S from Glider Pen 1/2 A Gas* (Jr and Open) B Gas* F1G, F1H, F1Q
<b>NOSTALGIA EVENTS</b>	<b>NOSTALGIA EVENTS</b>	<b>NOSTALGIA EVENTS</b>
Nostalgia Electric Early 1/2 A Nostalgia Nostalgia Rubber Large & Small  <b>NOTE:</b> You may fly your first three flights of any Nostalgia or Classic event on Friday and finish Sat or Sun.	Nostalgia Electric Early 1/2 A Nostalgia Nostalgia Rubber Large & Small 1/2 A Gas Nost. B Gas Nost. C Gas Nost	Nostalgia Electric Early 1/2 A Nostalgia Nostalgia Rubber Large & Small 1/4 A Gas Nost. A Gas Nost.
<b>CLASSIC</b>	<b>CLASSIC</b>	<b>CLASSIC</b>
Classic Towline* Jimmy Allen	Classic Towline* Classic 1/2 A Gas Jimmy Allen	Classic Towline* Classic A/B Gas Jimmy Allen
<b>OLD TIMER EVENTS</b>	<b>OLD TIMER EVENTS</b>	<b>OLD TIMER EVENTS</b>
1/2 A Texaco (ROG) Texaco (ROG) A Pylon / A Fuselage B/C Pylon / B/C Fuselage .020 Replica	<b>NOTE: Old Timer Only...ALL O/T Events can be flown any day at any time during the Contest.</b> <b>You do not have to start and finish the same day.</b>	
<b>See reverse side for Engine Runs and flight Times Sweepstakes Award for Total Air Time 5 AMA events max.</b>	<b>UNOFFICIAL EVENTS</b>	<b>UNOFFICIAL EVENTS</b>
	7:30 a.m. Gollywock 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 4/24/18



# 48<sup>th</sup> ANNUAL UNITED STATES FREE FLIGHT CHAMPIONSHIPS

September 21 – 23, 2018 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 1<sup>st</sup>/\$50, 2<sup>nd</sup>/\$25, 3<sup>rd</sup>/\$15. Four flyers 1<sup>st</sup>/\$25, 2<sup>nd</sup>/\$15. Three flyers 1<sup>st</sup>/\$15. Two flyers 1<sup>st</sup>/\$5 JR EVENTS will be 1<sup>st</sup>/\$15, 2<sup>nd</sup>/\$10, 3<sup>rd</sup>/\$5.  
Sweepstakes: \$100 cash

**Lost Hills Member's Meeting,** Saturday, September 22<sup>nd</sup> 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 NFFS 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

F1C (Special) rules, No Gears, No Folders, No Flappers, 5 second motor run.

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 AMA events as indicated by \*.

Larry Norvall, Contest Director, Cell : 209-366-4784, [ilvflb@yahoo.com](mailto:ilvflb@yahoo.com) Lost Hills Web Site: <http://www.lhffmaa.com>

*See other side for Schedule of Events.*

4/24/18

# 53<sup>rd</sup> Rocky Mountain Free Flight Championships Sept. 1-3, 2018

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, 8/31 3-5 p.m.**

Late registration and FAC Scale judging at the flying site.

**Saturday, 9/1 8 a.m. - 5 p.m.**

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

**Sunday, 9/2 8 a.m. - 5 p.m.**

Gollywicks Galore: 7:30 a.m. launch  
Dynasty Cup: FIG, H, J, S  
AMA C | D Gas combo  
AMA CD Classic Gas  
AMA HLG  
Nos. B | C Gas combo  
SAMOTHG | OT CLG  
Sm. Nos. | Andrade | SAM Sm. OT  
FAC Low Wing Trmr. ML (11 a.m.)  
FAC WWII Combat (1 p.m.)  
FAC Modern Military ML (3 p.m.)  
FAC 2-Bit + 1  
FAC OT Stick/Fuselage combo  
HLG Mass Launch (5:30 p.m.)

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

Dawn Power: 7:30 a.m. launch  
AMA A | B Gas combo  
AMA 1/2A | 1/2A Classic combo  
A Nostalgia Gas  
AMA E-36  
AMA Catapult Glider  
"5x5" HLG - @ 11 a.m. in rounds  
SAM 020 Replica  
E-Nos. 1/2A | ABC combo  
MMM Slow Open Power  
AMA Mulvihill | Moffett combo  
SAM Large O.T. | Nos. Large Rubber  
combo



The following events may be flown any/all of the three days (need not finish on day started): FAC Peanut Scale, FAC Rubber Scale, FAC Power Scale, Junior P-30, Junior E-36, Junior HLG, Junior CLG.

**Contest Directors:** Don DeLoach, 719-964-7117, <dloach@comcast.net>; Chuck Etherington, 720-201-6218, <etherington.freelflight@outlook.com>. Visit <www.themmmclub.com>.



## The Fine Print:

- On-site tent/RV camping allowed, no water or hook-ups, \$25 flat fee for any number of nights.
- Lunch vendor on site Saturday, Sunday, Monday. Please support our vendor!
- All events will follow current AMA, NFFS, FAC, FAI, and SAM rules.
- 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 F1A-B-C/P Saturday; 5 rounds of F1G-H-J-S Sunday. Flyoffs (if needed): 5:10-5:20 p.m. 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, winner gets a Kanone.
- Gollywicks 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!
- "5x5 HLG" special event flown at 11 a.m. Monday. AMA HLGs flown in five 5-minute rounds with 90-second maxes; 10-minute chase period between rounds. R1: 11:00-11:05; R2: 11:15-11:20; R3: 11:30-11:35; R4: 11:45-11:50; R5: 12:00-12:05. \$100 cash to winner!
- 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 Hi-Point (includes electric events), 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 and/ or field conditions.
- Raffle during awards ceremony Monday, approx 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 Champion scoring (above).
- Accommodations: 1. Super 8, Parker, Colo., 720-851-2644, \$130, 20 min. from field. 2. Hampton Inn, Parker, Colo., E-470 at U.S. 83/ Parker Rd., 303-841-2977, approx \$110, 20 min. from field. 3. Motel 6, 9201 E. Arapahoe Rd. 303-790-8220. Approx \$73, 30 min. from field. 4. Country Manor Motel, 32661 E. Colfax Ave. Watkins, CO 80137, (303) 261-9650, approx \$70, 15 min. from field.

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

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

**>> Pre-entry: Unlimited events for \$40, if entry & payment received by 8/30/18 <<**

Name \_\_\_\_\_ Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_ AMA # \_\_\_\_\_ J S A

On-Site camping (enclose \$25)? Circle: Y N Total 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 Modern Civil Scale; FAC Greve/Thompson (1 p.m.); FAC Jet Catapult Scale; FAC Dime Scale; FAC No-Blue-Max Flying Horde (3 p.m.).

**Sunday:** Gollywicks Galore; F1G, F1H, F1J, F1S; AMA C | D Gas combo; AMA CD Classic Gas; AMA HLG; SAM OT HLG | CLG combo; Nos. Small Rubber | NFFS Andrade | SAM Small OT Rubber combo; Nos. B | C Gas combo; HLG Mass Launch 5:30 p.m. FAC Low Wing Trainer ML (11 a.m.); FAC WWII Combat (1 p.m.); FAC Modern Military ML (3 p.m.); FAC 2-Bit + 1; FAC OT Stick/Fuselage combo.

**Monday:** Dawn Power; AMA A | B Gas combo; A Nostalgia Gas; AMA E-36; AMA Catapult; SAM .020 Replica; MMM Slow Open Power; AMA Mulvihill | Moffett combo; SAM Large O.T. | Nos. Large Rubber combo, 5x5 HLG, AMA 1/2A | 1/2A Classic combo; E-Nos. 1/2A | ABC combo.

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



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



## WHAT'S HAPPENING -

August / September 2018

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Aug. - No Club Outdoor Contest

Sept. 2 - **Indoor Flying**  
Grossmont College (Upper Gym), 7:30 am to 11:30 am.  
Feature Events: **P-18 & Embryo\***

Sept 16 - **Orbiteer Outdoor Monthly** (Rain date: Sept. 23, 2018)  
SCAMPS Field, Perris CA, 8:00 am.  
Feature Event: **Coupe** Other Events: **E36/Power & HL/Catapult Glider**