

EL TORBELLINO

NEWSLETTER OF SAN DIEGO ORBITEERS FREE FLIGHT CLUB



AUGUST 2023

Chairman's Corner – Mark Chomyn

We've now more than passed the halfway point of Year 2023. Seems like the older I get the faster time passes by. More than enough reason to not waste any time building and flying. With the unusually cool and overcast weather we've been having on the coast, retiring to the shelter of my garage building area has been much easier this summer. My condolences to those living further inland and in hotter temperatures. You might ask, however, if it's so easy to escape to the garage why haven't I made more progress in getting anything new built? Well, there's a "procrastroness" factor (a combination of procrastination and laziness) that enters into the process. At least that's my excuse.

If you haven't noticed it's getting harder to predict, on a day-to-day basis, the way the day's weather will affect our activities. With the overcast I put on a sweatshirt. Two hours later and the sun peeps out and I replace the sweatshirt with a tee shirt. One hour later and the overcast moves back in and I'm looking for the sweatshirt again. The constant weather changes sure can mess with your patience, or lack of. Now imagine that you are tasked with scheduling the activities of a club that has monthly outdoor events. But you don't need to imagine. You can get an idea of this kind of frustration first-hand. The next time you see Mike Pykelny ask him what it's like to schedule and then reschedule our Perris monthly contests. The herding of cats or the throwing of pasta at a wall to see how it sticks comes to my mind.

If you've looked at the Orbiteers website or your email recently, you've likely seen the latest revised contest schedule for the remainder of 2023 courtesy of Mr. Pykelny. Thanks Mike. Our next contest is scheduled for Sunday, August 20 and will feature P-30, Power and Glider (5x5 HL and CLG). Hope to see you there. In the meantime, I'm going into the garage to look at my Hot Box and my Speckled P-30 (Perryman design) and see if either need repairs. It's nice to have a backup plane..... just in case.

Got my July-September edition of SAM Speaks. Given our club's recurrent issues in dealing with the effects of weather on our monthly contests, the lead article titled "Showing Up" struck a chord with a regard to holding onto attendance in the face of trying conditions. What follows is taken verbatim from the article by Don DeLoach.

"In this [sic] time of declining popularity of our hobby it is imperative that we all do our part to participate. This means realizing that flying meets, if not supported by attendance, will cease to exist. The rise of internet weather forecasts has contributed to the problem of reduced attendance at meets. Don't fall victim to this. If there's an event scheduled nearby, make an effort to attend, regardless of the forecast. If you'd rather not fly just bring coffee and donuts. The meet organizers will be heartened, you will have helped the hobby you love, and weather forecasts are often wrong, so maybe you'll get to fly after all."

So, to all those who continue to make it to the field and fly in Orbiteer monthly's, even in the face of unpredictable weather conditions, Thank You! Remember it's not possible to keep a club alive without the support of its members. As an example of such support, look at the photo of the 2023 Sal Taibi Fun Fly in the middle of the July-September issue of SAM Speaks. I see thirty-six folks in attendance. Our hobby/sport is alive and well.

Running low on energy (recent trip to Europe left the wife and I with a serious flu like bug that kicked our respective keesters) and wit I'll wrap this up. But did want to mention that while travelling in the English countryside, I was constantly subjected to views of the legendary "tall fields of grass" so often mentioned as test flying meccas in model building articles. As I passed them, I imagined (imagining is not advisable when

driving on the other side of the road on the other side of the car) stopping at one and having a conversation with a friendly English farmer who after hearing about my hobby would say.... "I'd really like to see that would you mind giving me a demonstration on my property?" And, would thereby gain a flying field for eternity. Anyone know any friendly farmers in San Diego County?

Ambroid Forever!
 (If you can find it)
 Mark

"Calculate all your adjustments carefully and with thought, for your ship will no better than it has been adjusted. Wind her up and let her go. Lots of luck."
 Bob Beinenstein in Air Trails, July 1950

Orbiteer Member News - H.Haupt



2024 U.S. F1D Indoor Team Competition:

Kang Lee qualified for the #1 spot on 2024 U.S. F1D Indoor Team
 Daniel Guo qualified for the #2 spot on 2024 U.S. Junior F1D Team

2023 AMA Indoor Nationals:

Tim Batiuk 1ST Unlimited F1N HLG
 AMA HLG
 Stan Buddenbohm 1st Unlimited Catapult glider
 Standard Catapult glider

2023 AMA Outdoor Nationals:

Stan Buddenbohm 1ST E20
 Tim Batiuk 2ND HLG
 Daniel Guo 1ST (Jr.) Classic Towline
 (Jr.) HLG
 (Jr.) Catapult HLG

A big well done to our members for this excellent flying.



Daniel Guo



← Tim Batiuk



Stan Buddenbohm →

Smith 1941 Mulvihill Winner

By Mike Jester



In late Spring of 2022, SDO club member John Swain gave me a generous gift of a Smith 1941 Mulvihill Winner kit from Campbell's Custom Kits. This model is essentially an overgrown Gollywock. There is a rumor that Mr. Smith got permission from Wally Simmers, the designer the famous Gollywock, to create a larger version for the Mulvihill event. That event is the oldest rubber powered free flight event in the United States. The 100-year anniversary of the Mulvihill event was held at the 2023 AMA outdoor Nats in Muncie last month. The rules of the event are pretty simple. The free flight model must be rubber powered and must have a projected wing area under 300 square inches. The Smith Mulvihill has a low aspect ratio wing with a span of 35 ¼-inch and an area of around 190 square inches. I plan to fly my Smith Mulvihill fly with a 10 x ¼-inch rubber motor that weighs 60 grams. Max launch torque will be 80 inch-ounces! In July of 2022 I completed the fuselage, but then I did not recommence work on my Mulvihill build until a year later. The picture below shows how far I have gotten as of August 3, 2023.



Smith Mulvihill by Mike Jester

The wing and tail feathers of my Smith Mulvihill are covered with red and yellow Esaki tissue that was shrunk and finished with a 30/70 mixture of Eze Dope and water. I think a tissue covered model finished with thinned Nitrate dope produces a better-looking model but my wife does not appreciate the smell of nitrate dope and thinner. The fuselage will be covered with Polyspan fabric which is light and tough. However, Polyspan fabric does not like to go around curves. I will spray the fuselage with yellow Design Master spray paint to make it waterproof.

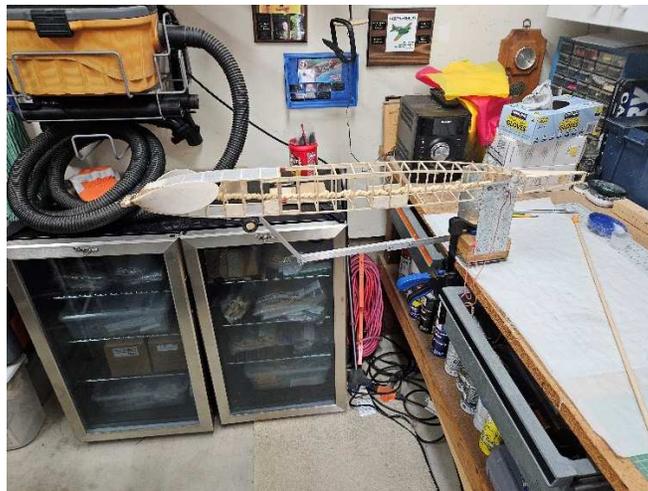
Both the fuselage and the wing of my Smith Mulvihill are separable into two sections, and the fin unplugs from the stab. This will allow me to transport my Smith Mulvihill in one of my standard 31 x 12 x 6-inch plastic boxes. I wrote a detailed article about how I sectioned the fuselage which was published in the July 2022 edition of this newsletter. The wing sections are joined by segments of 1/16-inch music wire that extend from the root rib of one wing section and plug into 3/32-inch Brass tube segments buried in the other wing section. I was warned that carbon fiber rod joiners in the wing sections of large F1A gliders can break.



Bones of Smith Mulvihill in 31 x 12 x 6-inch Plastic Transport Box

The Superior Props 16-inch folding prop has very wide blades per the plan and was custom manufactured by Volare Products. I have carved many balsa props and made a number of folding props. However, I think George Bredehoft does a better job and he sure saved me a lot of time. I had to sand the blades a lot to get them down to an appropriate thinness.

I installed a fuselage support extender on my winding stooage which I clamped to my workbench. When I mounted my Smith Mulvihill fuselage on the extended stooage it fit perfectly.



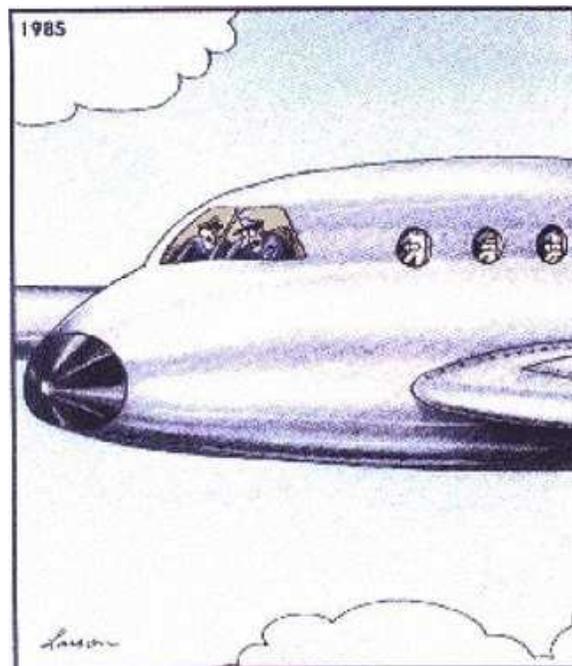
Test Winding of Smith Mulvihill

I lubed a 10 x 1/4-inch rubber motor and installed it in the fuselage using my new extra-long stuffer stick. I made a 31-inch long, 1-inch diameter Aluminum blast tube with a bayonet lock on its rear end. I used a very long extractor that I previously made for my large Korda C model. The Crocket hook had to be replaced with a different style of hook that has a two-part screw together bobbin. The Crocket hook would not slide onto the 1/16-inch OD prop hook due to its sharp radius near the end that engages the stop screw. With only 150 turns the prop was locked. So, I screwed in the stop screw several times until the prop would spin and lock up with about 25-30 turns remaining. My final test wind was 400 turns and 20 inch-ounces and the prop run was smooth and the prop locking action took place when desired. The prop blades need a waterproof finish and some hooks for small rubber bands that will ensure complete folding. I also need to drill a hole in the nose block for a Brass tube to accept a prop locking pin. I will insert this pin to allow me to safely remove the fuselage from the stooage after the rubber motor has been fully wound.



Prop Assembly and Different Style Rubber Motor Hooks

My Mulvihill will carry a Pyxis GPS locator transmitter, and an RDT. I want to be able to retrieve this model. I also want to be able to DT my Smith Mulvihill when it starts getting into trouble. I think I may have bitten off more than I can chew. Winding a rubber motor to 60-80 inches ounces of torque, and then coupling the prop assembly will be like wrestling an alligator!



"The fuel light's on, Frank! We're all going to die! ... We're all going to die! ... Wait, wait. ... Oh, my mistake—that's the intercom light."

On THE SCEEN REPORT - Stan Buddenbohm

FAMOUS ORBITEER DOMINATES HLG AT THE 2023 INDOOR NATIONALS

The scene: Idaho, Moscow, The Kibbie Dome (145 ft ceiling). The Man: Tim Batiuk (73 years young).

The effort: Two years of more than 100 pullups a day, lots of specialized pool exercise, strict diet, producing a lean muscular body and mind. Very many days of early rising to practice launching indoor models before the thermals appear at Perris

The models: HAR36 and BB40. These are very high aspect ratio designs developed to launch highest, have great transitions to glide, and to circle tightly but safely.

Tim took no time at all to master the building while others struggled. For the AMA HLG event, wings have to be less than 100 sq. in., Tim put up 3 great flights then watched to see if any competitor would make him throw again. They tried their best. Lots of LOUD grunting and yelling but none of these decades younger macho men could push Tim.

Over the last two days an unlimited HLG event, F1N, took place. Tim used his BB40, the 40 standing for its 40" span. Tim's son, also Tim, had shown up and was able to witness his father's deserved success. The young bucks could not come anywhere close to Tim's times. He out threw everyone by a TON, despite all of their yelling, throwing their bodies about with maximum effort. Tim was throwing at least 120 ft high with total control. He achieved 3 flights over 90 seconds each, with at least one over 93 seconds. Less than a handful of people, IN THE WORLD, have ever achieved this, and ALL of them were decades younger! BE VERY PROUD OF YOUR ORBITEER.



Tim Batiuk

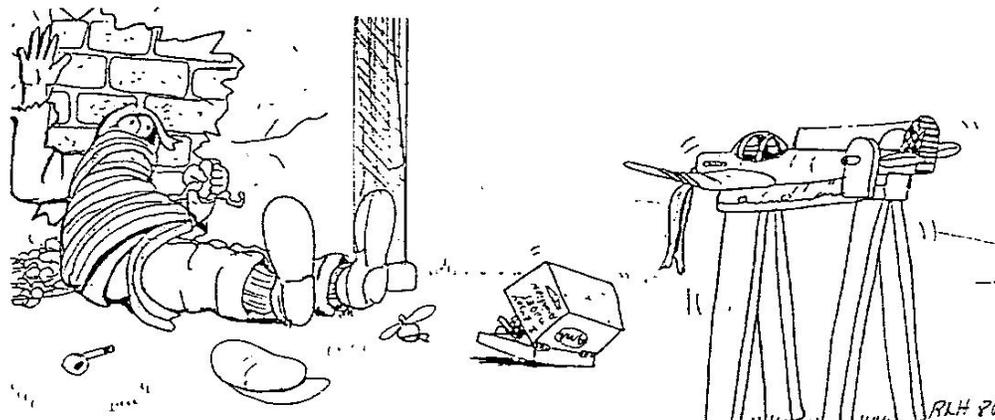
San Diego Orbiteers

Flying Schedule 2023

Taibi Field Perris, Ca

Primary Date	Rain Date	Event	CD
August 20	Aug 27	P-30 Power Glider 5x5 HLG, CLG	
September (15,16,17)		Free Flight Championship, Lost Hills	
September 24		Coupe Glider/Power	
October 15	October 22	OT/NOS Glider/Power	
November (10,11,12)		Dual Club Annual, Lost Hill, Ca.	
November 19	November 26	P-30 Glider/Power	
December 17		Make-up	

MP 8/23



FLYING ACES

Squadron 41

San Diego



Scale Staffel

September 2023 - Outdoor Flying Contest

Saturday and Sunday, September 9 - 10, 2023

7:30 a.m. to 12:00 p.m., Taibi Flying Field, Perris, CA

(Location: 33.7803656, - 117.1972964)

Prizes for 1st, 2nd & 3rd

Fees

- \$8 entry fee includes one event
- \$3 for each additional event
- \$20 maximum: includes entry fee and 5 or more events.

Contest Director

John Hutchison
johnhutchison1@cox.net
619-504-5731

Awards Presentation

Immediately following the final event on Sunday

Hotel Accommodations

Red Lion
480 S Redlands Ave,
Perris, CA 92570
951-943-5577

GRAND CHAMPIONSHIP:

The flier who earns the most 1st - 3rd place points will become the 2022 Grand Champion. The trophy will be presented on Sunday.

Pilot's Meeting @ 8 a.m. each day

PT Aviation Double Nickel Contest

Contact W.Scott for kits: wscott127@me.com

Comet Nickel Series - Double sized, Wing Spam 20"

Total 3 flights (all flights on same day)

1st place - \$50 2nd place -\$25 3rd place -\$10

FAC Single Model Events

Fly any event on either day or on both days.

1. FAC Rubber Scale
2. Jimmie Allen (ROG)
3. Embryo Endurance (ROG)
4. Golden Age Combined
5. Old Time Rubber Stick & Fuselage Combined (hand launch)
6. FAC 2-bit + 1 (ROG)
7. Dime Scale

Mass Launch Events

Saturday - Pilot meeting at 8:00a.m.

8. FAC World War I Combat

Wind at 8:20 a.m., Launch at 8:30 a.m.

9. FAC WW II Combat /Spanish Civil War Combined

Wind at 9:20 a.m., Launch at 9:30 a.m.

Sunday - Pilot meeting at 8:00a.m.

10. FAC Greve / Thompson Race

Wind at 8:20 a.m., Launch at 8:30a.m.

58th Rocky Mountain Free Flight Championships

September 1-4, 2023



Category III, Class AAA, National Cup *Exempt*

F1E World Cup • 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, 9/1 F1E World Cup. First round starts at 9 a.m. Five rounds. Meet at the bottom of Indian Point, 8 a.m. for shuttling. 4WD or high clearance vehicles required.

3-5 p.m. Late registration and FAC Scale judging at the Lowry flying site. Informal dinner at local restaurant afterwards.

Saturday, 9/2 8 a.m. - 6 p.m.

Dynasty Cup: F1A, B, C | P, Q
 AMA Mulvihill | Moffett combo
 AMA A | B Electric combo
 AMA A | B Gas combo
 NFFS Classic Towline
 Nos. 1/2A | Early 1/2A | 1/4A Gas
 FAC WWI Combat (10 a.m.)
 FAC Greve | Thomp. | NAR M.L. (noon)
 5x5 HLG (2 p.m.)
 FAC *No-Blue-Max* Horde (4 p.m.)
 FAC Golden Age | Modern Civil combo
 FAC Dime Scale
 FAC Embryo Endurance
 FAC Old Time Stick | Fuselage combo

Sunday, 9/3 8 a.m. - 6 p.m.

Dawn Unlimited: 7:30 a.m. launch
 Dynasty Cup: FIG, H, J, S
 AMA C | D Gas combo
 AMA CD Classic Gas
 AMA HLG
 SAM OT HLG | CLG combo
 Sm. Nos. | Andrade | SAM Sm. OT comb.
 FAC L.W. Trainer M.L. (10 a.m.)
 FAC WWII M.L. (noon)
 FAC Modern Military M.L. (2 p.m.)
 FAC 2-Bit + 1 | Jimmie Allen combo
 FAC Jet Catapult Scale
 HLG Mass Launch (5:30 p.m.)

Monday 9/4 8 a.m. - 3 p.m.

Dawn Power: 7:30 a.m. launch
 AMA AB Classic Gas
 AMA 1/2A | 1/2A Classic combo
 ABC Nost. Gas | E-Nos combo
 AMA E-36
 AMA P-30
 AMA Catapult Glider
 SAM Large O.T. | Large Nos.
 Rubber combo

May be flown any/all of the three days (need not finish on day started): FAC Peanut Scale, FAC Rubber Scale, Junior P-30, Junior E-36, Junior 1/2A Classic Gas, Junior HLG, Junior CLG, Junior Classic Towline, Junior Jat Catapult (special prize!).

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 hookups, **NEW: no fee!**
- One-site grilled lunch each day. Cash donations gratefully accepted.



- All events J-S-A combined unless noted.
- All events to current AMA, NFFS, FAC, FAI, and SAM rules unless otherwise noted.
- 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 NFFS National Cup points.
- HLG and CLG (AMA and OT) will be flown from a launch pen.
- Old Timer HLG/CLG: Best 3 flights of 9. Same flyoff rules as AMA CLG/HLG (90s max, one chance to max, keep flying until you drop a max).
- FAI events: 90-minute overlapping rounds starting at the top of each hour beginning at 8:00 a.m., weather permitting. Seven rounds of F1A-B-C/P-Q Saturday; five rounds





- of FIG-H-J-S Sunday. Flyoffs (if required): after 6 p.m. each evening or on 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.
 - Dawn Unlimited Rubber: Meet at 7:15 Sunday. Launch window: 7:30-7:40 a.m. Must wind and launch inside the 10-minute window, no max, timed to the ground. All AMA rules apply.
 - Dawn Power: Meet at 7:15 a.m. Monday. 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. Motor run will be 15 seconds unless weather dictates shortening.
 - **Dave Wineland's Gas Attack!** \$100 cash to the longest string of maxes in any regular RMFFC gas event including AMA, Nostalgia, SAM, FAI. Must follow rulebook engine runs/maxes including flyoffs. Automatic, free entry for all Gas event flyers. **Thanks Dave!**
 - "5x5 HLG" special event flown on Saturday 9/2. AMA HLGs flown in five 5-minute rounds with 90-second maxes and 10-minute chase period between rounds. **Part of the "Ruckus in the Rockies" \$100 Challenge.**
 - Plaque 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, 4, 3, 2, 1 points for 1st, 2nd, 3rd, 4th, 5th place. If only 4 flyers 4 points for 1st, etc. If 3 or fewer flyers, 3 points for 1st, 2 for 2nd, 1 for 3rd. Tiebreaker: Total points accrued in flyers' other events apart from the five chosen events. **\$50 cash to Grand Champ!**
 - CDs reserve the right to reduce maxes/engine runs to suit weather/retrieval conditions.
 - Raffle during awards on Monday, approximately 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, 4, 3, 2, 1 points for 1st, 2nd, 3rd, 4th, 5th per Grand Champ scoring above. All glider/rubber/power events count including scale. 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 Grand Champion scoring. \$50 cash.
 - **RMFFC Sweepstakes award - \$50 cash to the flyer with the most championship points in all events – no maximum number of events and all events count. Fly all you can for the big pot!**
 - Accommodations: 1. Super 8, Parker, Colo., 720-851-2644, ~\$90, 20 min. from field. 2. Hampton Inn, Parker, Colo., E-470 at U.S. 83/ Parker Rd., 303-841-2977, appx \$110. 20 min. from field. 3. Motel 6, 9201 E. Arapahoe Rd. 303-790-8220. Appx \$70, 30 min. from field. 4. Country Manor Motel, 32681 E. Colfax Ave. Watkins, CO 80137, (303) 261-9650, appx. \$75, 15 min. from field.

Detach & mail (or scan and email) to: Don DeLoach 831 E. Willamette Ave., Colorado Springs, 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 <mmmffclub@gmail.com>. **Make your contest directors happy...PLEASE PRE-ENTER!**
>> Pre-entry: Unlimited events for \$40, if entry & payment received by 8/31/23<<

Name _____ Address _____
 City, State, Zip _____ AMA # _____ J S A
 Paypal check here _____ 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.

Friday: F1E.

Saturday: F1A, F1B, F1C/P, F1Q; A | B Electric Combo; AMA A | B Gas Combo; AMA Mulvihill | Moffett Combo; NFFS Classic Towline; Nos. 1/2A | Early 1/2A | 1/4A Gas Combo; 5x5 HLG (2 p.m.), FAC WWI Combat (10 a.m.); FAC Embryo; FAC Greve | Thompson | NAR M.L. (2 p.m.); FAC Golden Age | Modern Civil Combo ; FAC Dime Scale; FAC *No-Blue-Max* Flying Horde M.L., FAC OT Stick | Fuse.

Sunday: Dawn Unlimited; FIG, F1H, F1J, FIS; 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; FAC Low Wing Trainer M.L.; FAC WWII Combat ; FAC Modern Military M.L.; FAC 2-Bit + 1 | Jimmie Allen Combo; FAC Jet Catapult Scale; HLG Mass Launch.

Monday: Dawn Power; AB Classic Gas; ABC Nostalgia Gas | E-Nos combo; AMA E-36; AMA P-30; AMA Catapult Glider; SAM Large O.T. | Large Nos. Rubber Combo, AMA 1/2A | 1/2A Classic Combo.

Any day: FAC Peanut Scale, FAC Rubber Scale, Junior P-30, Junior E-36, Junior 1/2A Classic, Junior HLG, Junior CLG, Junior Classic Towline.

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johnhutchison1@cox.net

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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

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www.SanDiegoOrbiteers.com

Webmaster: Kathy McLaughlin

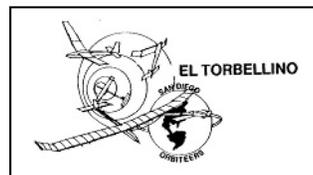
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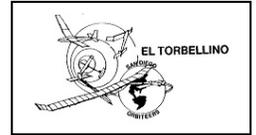


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SAN DIEGO ORBITEERS
Howard L. Haupt / Editor
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San Diego, California 92117-4266



WHAT'S HAPPENING - August / September 2023

- August 20 - San Diego Orbiteer Outdoor Monthly
Taibi Flying Field, Perris CA, 7:30 am
Events: **P-30 / Power / Glider 5x5 HLG, CLG**
- September 09 - Scale Staffel Outdoor Flying Contest
Taibi Flying Field, Perris CA, 7:30 am
(See enclosed flyer for details and events.)
- September (15,16,17) Free Flight Championship at Lost Hills
- September 24 - San Diego Orbiteer Outdoor Monthly
Taibi Flying Field, Perris CA, 7:30 am
Events: **Coupe / Power / Glider**