

EL TORBELLINO

NEWSLETTER OF SAN DIEGO ORBITEERS FREE FLIGHT CLUB

APRIL 2019



The Prez's Corner – Mark Chomyn

Well we finally got a break in the wet weather and were able to fly our rescheduled coupe event on March 17. We shared the field with the SCAMPS who were flying their rescheduled Taibi Annual contest. I decided to fly in the SCAMPS old-time rubber event and also flew my old tattered Campbell Kits Super Coupe in the Orbiteer event. As I mentioned in last month's column, I really enjoy watching the SCAMPS fly their gas models. I got so wrapped up in watching their flights that I didn't pay attention to time. So, once I got my DT timers working correctly, I got a late start. Only got in two flights in coupe and two in the old-time rubber event. Couldn't fly the third flights for either as the wind and drift really picked up by 11AM and I was no mood for any long chases or bad cross-wind launches. So, no prize money was earned but I had a good time. During the contest the SCAMPS made an announcement for an all-flyers pilots meeting. As it turned out the announcement was really to get everyone around the SCAMPS scoring table for a presentation to Kevin Sherman for his long and dedicated service to the SCAMPS club. Kevin received a beautiful glass plaque commemorating his service to the SCAMPS. A well-deserved acknowledgement for a great guy.

I decided to get involved in the indoor P-18 event so I purchased a First Derivative P-18 laser cut kit from Laser-Cut Planes and flew it at the April 7 indoor meet. The kit assembled pretty quick and easily. You get everything you need to assemble and fly the plane including the plastic film grocery bag covering material. Though the kit came with 1/16" rubber for power, I found that mine flew better on 3/32". I managed to get 70 seconds with

the plane. I'm sure with more practice and fine tuning I can better that time. The kit came with a rather heavy prop so I'm considering swapping it out with a lighter prop. I think being a little lighter might help the plane in recovering from bounces off roof beams, lights and walls. While at the indoor meet Don Bartick introduced me to two young men whom he had tutored for Science Olympiad Right Stuff. As he introduced them to me, he also mentioned that they both were interested in becoming junior members of the Orbiteers. So, our ranks look like they will be growing! Don also mentioned that one of the young men had been the winner of the Orbiteers indoor catapult launch glider event the previous month. So, these two young men are not only interested but they have the desire and talent to succeed in our sport. Keep your eyes on the indoor results for some new names in the winner's column. I regret not providing their names but blame that on my fading memory.

If you've been following the minutes of the quarterly board meetings you might be aware that Mike Jester received some donated modeling items from a modeler who was no longer active in our sport. The Orbiteers board did an inventory of those items finding there were several items of some interest and value. There was discussion of how these items might be offered for sale as a revenue enhancement for the club. Being familiar with the eBay on-line auction site, Mike Pykelny offered to list some of the more interesting items for sale on the auction site. One item, a beautiful multi-cylinder CO2 engine by Gasparin was sold at a handsome price much to the benefit of our club's coffers. Well done Mike.

(Continued next page)

Don't forget our next big outdoor event on April 14. It's the P-30 Memorial in honor of John Oldenkamp. You can fly any P-30 design you'd like. But here's the kicker. You get additional prize money if you win with John Oldenkamp's Hot Box. I'll be there with my Hotbox and hope to see you there too. That's all I have for now. See you in Perris.

"Aviation is the branch of engineering that is the least forgiving of mistakes"
 - Freeman Dyson from Aviation Quotes
 Mark

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.

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Wright Stuff – 2019

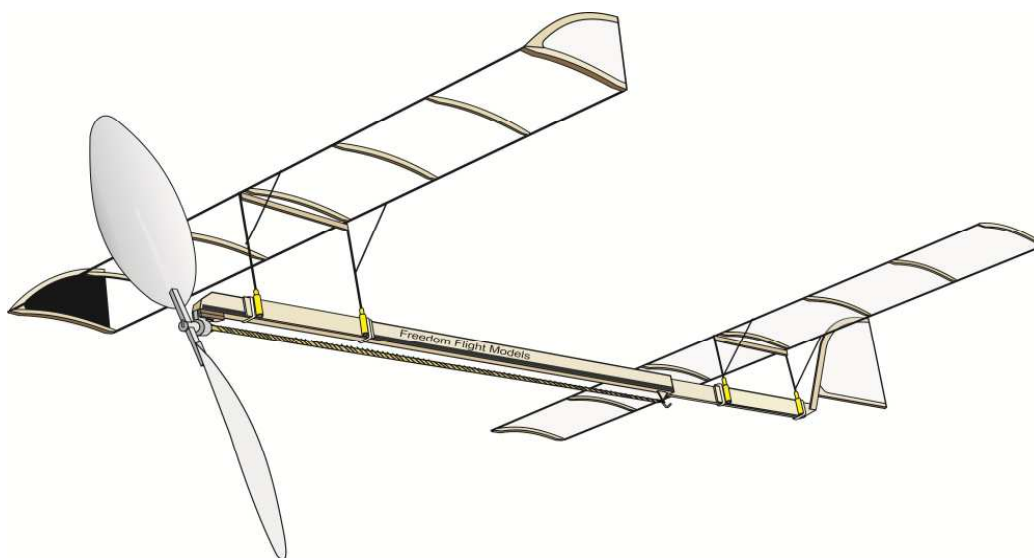
By Mike Jester

Periodically the National Science Olympiad organization includes a rubber powered airplane flying event called Wright Stuff (“WS”) as part of its annual regional, state, and national competitions. The WS event is held for two consecutive years, and then rotates with the Elastic Launched Glider and Helicopters events, in both Division C (high school) and Division B (middle school). The WS event challenges students to build and fly an indoor duration rubber powered stick model airplane. At the competition students must complete their two official flights within an 8-minute Flight Period. Only the higher flight time counts towards the official score, along with some small potential bonuses.

As some of you know, I got my start in free flight in 2005 when I began coaching the WS event for Francis Parker School with the able assistance of John Hutchison. I retired from coaching Science Olympiad events in 2015. However Don Bartick is still actively coaching the WS and Elastic Launched glider events and his students have been quite successful. Many believe that the WS event has helped breathe life into our hobby as it has drawn some students, and some former parent coaches, into serious free flight. By way of example, our club’s own Kang Lee, two time F1D world champion, got his start in free flight coaching his daughter in the WS event in 2010. Brett Sanborn, the current F1D world champion is a former WS champion in Division C.

The WS rules are very specific in terms of the permissible model. The parameters for the model vary from year to year to prevent students from handing down airplanes for use in subsequent competitions. The 2019 WS rules require a monoplane with max wing dimensions of 35 cm x 7 cm. While the rules do not expressly limit the size of the stab, the generally accepted interpretation is that the stab has to be slightly smaller in area than the wing in order to satisfy the requirement that the wing be the “single largest surface.” The minimum weight of the airplane specified in the 2019 WS rules is 8.0 grams (not counting rubber). For the first time in the 20+ year history of the WS event, the 2019 rules place no limits on the size of the prop or the rubber motor. I successfully lobbied for these changes, but that is a long story for another day.

Until this season, the main commercial supplier of kits for the WS event was a one-person company in Georgia called Freedom Flight Models (“FFM”). Over the years, including 2019, roughly 90% of WS competitors have built and flown the current FFM kit airplane. The FFM kit airplanes embody reasonably good designs. If properly built and trimmed they fly well. However, the FFM kits have gradually become more and more expensive (now \$64) and overly complex. The 2019 FFM airplane has carbon fiber spars, adjustable incidence and adjustable wash-in on both the wing and the stab, and an adjustable fin. The 2019 FFM airplane has a tandem wing configuration and suffers from a Dutch roll. I have recommended other cheaper and simpler WS kits that have come on the market for the first time this year. They are sold by J & H Aerospace, Guru Engineering, and Laser-Cut Planes.

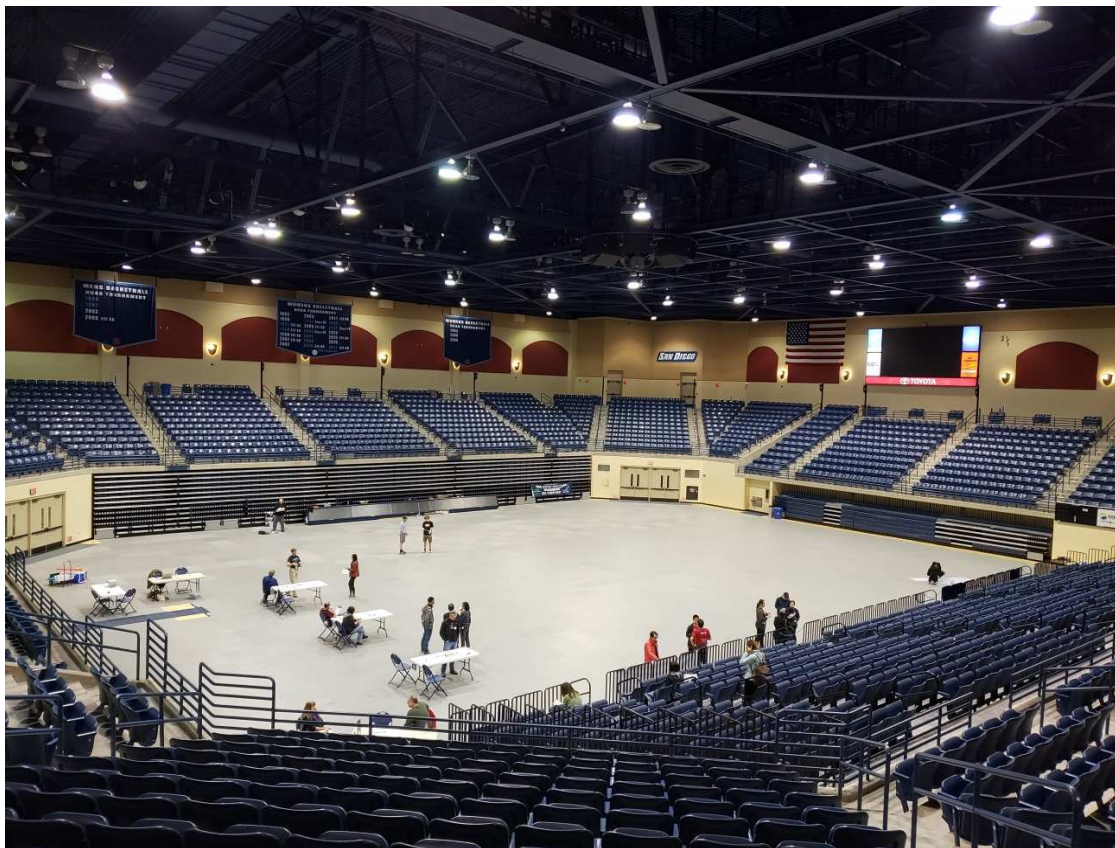


Freedom Flight Models 2019 Wright Stuff Airplane



Guru Engineering 2019 Wright Stuff Airplane

When I found out that the 2019 San Diego WS competition would be held in the Jenny Craig Pavilion at the University of San Diego (“USD”) on March 16, 2019, I could not resist attending as an observer. This is where the USD men’s basketball team plays. The Jenny Craig Pavilion is large enough to seat 5,100 spectators. The height from the floor of the gym to the ceiling beams is 48 feet! The width and length of this gym are very substantial. This is easily the best indoor flying site in San Diego County.



Jenny Craig Pavilion at USD with Tables Set Up for Wright Stuff Event Judges

Practice flights were only allowed between 7:00 a.m. and 8:00 a.m. I only saw one practice flight in which the model flew near max height but only for a total flight time of about 2 minutes. I could hear a very low level noise that sounded like the ventilation system was ON, but I noticed no adverse turbulence effects on any model in flight. There was a noticeable drift of the airplanes but one that could easily be accounted for by selecting an appropriate launch location. Students had to reserve slots for putting in their official flights before 3:00 p.m. Most students were also competing in two or three other Science Olympiad events (there are a total of 23). I stayed until shortly before 1 o'clock and only witnessed about twenty teams put in their official flights. Typically there are about 60 WS teams that compete in the San Diego regional WS competition. The local participation in the WS event may have been lower this year or many students may have waited until the afternoon to put in their official flights.

The highest flight time I saw was 2 minutes and 26 seconds. Many students wound their models too aggressively without backing off turns. The resulted in bending their motor sticks, thereby causing dives and 1 - 3 second flights. Other models ran out of winds and their flights quickly terminated. Most models flew less than 24 feet in altitude. Clearly few students knew how to match rubber to prop for max flight times, in any ceiling height, let alone a 48 - foot ceiling height. I can only recall one team winding with a torque meter at the March 17, 2019 San Diego WS competition. Amazingly, one WS coach confidently told me that his students did not use any lube on their rubber motors and that he didn't think that lubing rubber motors made any difference. Many students were oblivious to the obvious drift inside the gym and selected poor launch locations.

I heard through the grape vine that the eventual winner of the 2019 San Diego WS competition, Canyon Crest HS, had a flight time of 3 minutes. In my opinion dedicated students with a properly trimmed model weighing near 8 grams, with rubber matched to prop, and wound in optimum fashion, could have achieved a flight over three and one-half minutes in the Jenny Craig Pavilion with a 2019 WS model. More San Diego area students should have spent time with us at the Grossmont gym! Regardless, hopefully these students had fun, learned a lot, and will compete in the WS event again next year. They are the future of free flight and the members of our club should do all we can to encourage their successful participation in the WS event.

2019 OUTDOOR FLYING SCHEDULE

- - - - -

All are AMA Sanctioned & National Cup Events
(Contests at Perris CA unless otherwise noted)
(All Contests include E36, Power, & HLG/CLG)

Apr 14 - **P-30 Memorial (Hot Box)**

May 17-20 Dual Club Contest, Lost Hills CA

May 18-19 Scale Staffel Contest*

May 26 - **Old Time Nostalgia Rubber**

June 23 - **Coupe**

July / August - No Club Outdoor Contests

*Scale Staffel Event

2019 INDOOR FLYING SCHEDULE

May 5 - Limited Penny Plane & No-Cal*

June 2 - P-18 & Embryo*

July 7 - A-6 & Phantom Flash*

Aug 4 - Limited Penny Plane & No-Cal*

Sept 1 - P-18 & Embryo*

***Scale Staffel Event**

San Diego Orbiteers - Outdoor Contest Results - March 17, 2019 - Perri



Coupe

<u>Flier</u>	<u>3 flights</u>			<u>fly-off</u>	<u>Total</u>	<u>Rank</u>
Mike Jester	120	120	120		360	1
Greg Hutchison	107	120	120		347	2
Mike Pykelny	108	104	106		318	3
Mark Chomyn	82	120	DNF		202	4
John Hutchison	67	65	61		193	6
John Alling	70	120	DNF		190	7
Don McHugh*	99	DNF	DNF			
Don Bartick	DNF	DNF	DNF			

Power - E-36

<u>Flier</u>	<u>3 flights</u>			<u>fly-off</u>	<u>Total</u>	<u>Rank</u>
Stan Buddenbohm*	120	120	120	120#	360	1
Don Bartick	120	83	85		288	2
Lee Hines*	120	DNF	DNF		120	3
Clint Brooks*	120	DNF	DNF		120	4

Glider

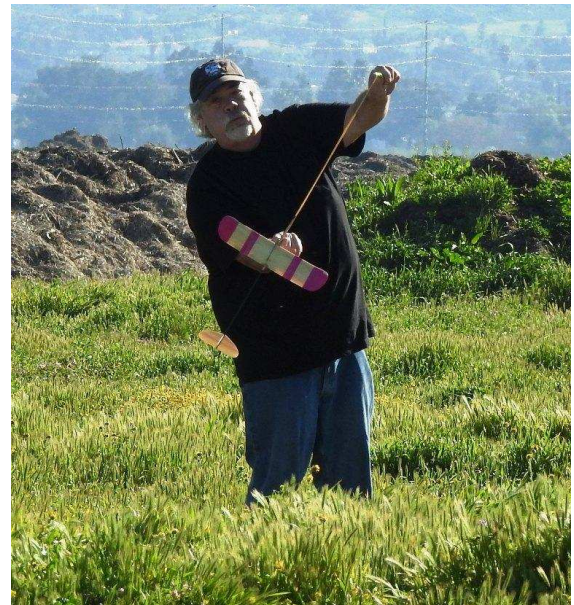
<u>Flier</u>		<u>Best 3/6 flights</u>			<u>Total</u>	<u>Rank</u>
Tim Batiuk*	(CLG)	102	97	88	287	1
Buddenbohm*	(CLG)	44	56	DNF	100	2
Greg Hutchison	(CLG)	DNF	DNF	DNF		
Lance Powers	(CLG)	DNF	DNF	DNF		

* not a member of the San Diego Orbiteers

flown and recorded in case of a tie after 3 official flights



San Diego Orbiteers - Outdoor Contest Results - March 17, 2019 - Perris
Picture Page - Photos by Arline Bartick



Held at the home of Mike and Dorothy Jester. After a fantastic dinner provided by our gracious hosts, the meeting was called to order at 8:09 p.m.

Minutes of the previous meeting were approved as published.

Treasurer's Report was approved as provided to the board members. Kudos to our treasurer Howard Haupt for such a great job keeping track of our finances.

Membership Report: no news, however there was some discussion in the next line below.

Old Business:

Membership Campaign: Linda has taken our brochures to the San Diego Air&Space Museum in Balboa Park, as well as the annex at Gillespie Field. She's also delivered some to the Miniature Engineering/Craftsmanship Museum. Further, she continues to supply both Discount Hobby locations. Thank you Linda, your efforts are very much appreciated.

Indoor Catapult Glider Event: will hold event once more sometime this year, may make it a part of the regular rotation in the future.

Financial Results of the Awards Banquet: thanks to a great turnout, and a very generous raffle, the club came out quite well with a \$54.00 profit.

Separating Towline from Other Glider Classes: yes, we need to have a separate sign-up sheet.

Separating Gas and E-36 Classes in Power Category: because we have "Record Trials", we must also separate 1/2A, A, B, C, and D Gas if there is attempt at setting a record for National Cup points.

New Business:

2019 Contest Schedule February Make-Up: deferred discussion until next meeting.

Disposition of Modeling Items Given to Mike Jester: Some engines going on eBay via Mike Pykelny, the rest will be taken to the next Weed-Wackers swap meet, held regularly at their field in Lakeside. Several modeling items were given to Mike by a neighbor, much is RC related.

New Table and Canopy needed for Dual-Club FF Bonanza: need a higher-quality table and canopy, that will last for a long time. \$250.00 allotment was approved by the board.

Schedule Next Board Meeting: to be at the Merrill's home on Wednesday, June 12th, 2019.

Open for New Business: no further new business

Contest Reports:

Results of Southwest Regionals in Eloy, AZ: Don Bartick said it was a very enjoyable contest, with decent weather, and good competition.

Results of the Isaacson Winter Classic in Lost Hills, CA: Mike Pykelny reported that the weather was uncooperative, and the flying conditions were minimal. That was very unfortunate, especially since there were many international contestants.

Open Discussion: Linda proclaimed that Arline Bartick needs to be listed as the club photographer in the E.T. She has certainly taken many fantastic photos over the last several years.

Mike Jester brought out his A-6 to do a demo flight in his living room, and it flew for 1 minute, 36 seconds. Impressive flight, just missing several wall scrapes, as well as barely avoiding the ceiling.

Good of the Order: Mark Chomyn brought his Max-Out embryo, which was just recently completed. Beautiful job, looks like it'll be a tough competitor in the embryo event.

Call for Adjournment came at 9:07 p.m.

Secretary's Note: a big thanks goes to the Jesters, who graciously agreed to trade meeting venues with the Merrills, as their house wasn't ready after having recently moved in.

Respectfully submitted by John R. Merrill, Secretary

Orbiteers - Indoor Contest Results - April 7, 2019



P-18

<u>Flier</u>	<u>Best 2 of 5 flights</u>		<u>Total</u>	<u>Rank</u>
John Hutchison	141	145	286	1
Stan Buddenbohm*	135	132	267	2
Don Bartick	130	120	250	3
Nick Panousis	106	103	209	4
Mike Jester	99	99	198	5
John Swain	82	83	165	6
Benjamin Pureco*	79	83	162	7
Jose Cetina*	72	79	151	8
Mark Chomyn	70	77	147	9

A-6

<u>Flier</u>	<u>Best 2 of 5 flights</u>		<u>Total</u>	<u>Rank</u>
Don Bartick	155	218	373	1
Mike Jester	179	189	368	2
Greg Hutchison	144	144	288	3
John Swain	100	155	255	4

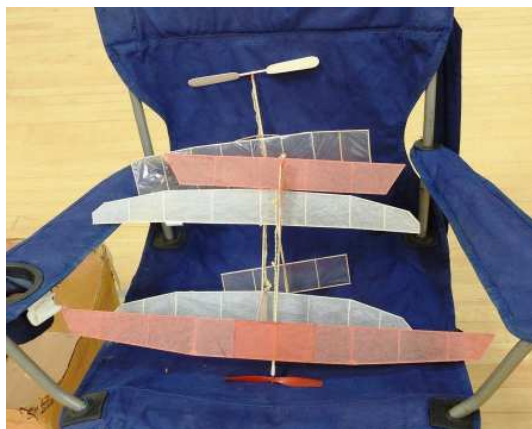
* Not a member of the Orbiteers.

Scale Staffel - Indoor Contest Results - April 7, 2019

Phantom Flash

<u>Flier</u>	<u>best 3 of 6 flights</u>			<u>Total</u>	<u>Rank</u>
Stan Buddenbohm#	82	85	110	277	1
Walter Ainslie	58	50	57	165	2
John Hutchison	39	41		80	3

Not a member of the Scale Staffel



San Diego Orbiteers - Outdoor Contest Results - March 17, 2019 - Perris
Picture Page - Photos by Arline Bartick



**SAN VALEERS 70th ANNUAL & 37th ANNUAL 7 ROUNDER
APRIL 27th & 28th, 2019 - 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

112A Nostalgia

E-36 -

SUNDAY 8 TO

3 A GAS

D GAS

ABC Nostalgia

BOTH DAYS

P-30, HL & Catapult

Glider 1/2A Golden Age

Nostalgia Rubber

(all flights same day for each entry)

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

1st Round at 8am, F1A, B, C, P, Q 240 secs. All other rounds 180 secs. Flyoff begins at 4:00pm

F1G - F1H - F1S SUNDAY 8 AM TO 11:45 Tie breaker flyoff to the ground 7:30 to 8:00 am. Standard (5 rounds 45 minutes long starting at 8:00 am, 120 sec maxes) 2 FO flights starting at 1:00 pm. If tied after 5 flights and 2 FO flights than tie breaker flight determines winner.

VINTAGE FAI

SATURDAY 8:00 am-1:00pm (5 1hr rounds) All flights 180 secs flyoff at 2:00pm

HUNTER MEMORIAL SUNDAY MORNING (weather oerrmittinol-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)

****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.**

1/2A GOLDEN AGE 1/2 A Models from 1957 to 1969 Engines:TD OR HH .049/.051, motor runs same as Nostalgia

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

NEW SUPER TIGRE X-TYPE .25 donated by Ted Hiding (1 ticket for each event entered, or \$3 ea, or \$5 for 2, or \$10 for 5)***

AMA/NOST CD: Ted Hiding (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"

DUAL-CLUBS

FREE FLIGHT BONANZA

A National Cup & America's Cup Points Event

SAN DIEGO ORBITEERS 61th ANNUAL - CLASS AA, CATEGORY 2
SPONSOR OF AMA & FAI EVENTS

*

FRESNO GAS MODEL CLUB 80th ANNUAL – CLASS AA, CATEGORY 2
SPONSOR OF NOSTALGIA, TEXACO & OLD TIME EVENTS

*** MAY 18th & 19th, 2019 ***

*** 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
F1A F1B FIC 1/2A GAS(1) C/D GAS E-36 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 EARLY ½ A NOSTALGIA	.020 REPLICA A PYLON B-C PYLON A FUSELAGE B-C FUSELAGE RUB/WAKEFIELD NOS CLASSIC TOWLINE ½ A CLASSIC POWER ½ A GOLDEN AGE	FIG F1H F1J F1S A GAS B GAS F1Q/A/B ELECTRIC (COMB) HAND LAUNCH GLIDER (1) FULL SIZE TEXACO MULVIHILL DAWN MULVIHILL GOLLYWOCK MASS LAUNCH

(1) Junior & Senior/Open Event

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
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:

CD: Don Bartick, - San Diego Orbiteers

FAI: Bill Booth, San Diego Orbiteers

Nos,OT,: Doss Porter, Fresno GMC

SPECIAL INSTRUCTIONS

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

SATURDAY NOON to 1 PM LUNCH BREAK & SUNDAE SOCIAL

The contest will be suspended for 1 hour for lunch and the San Diego Orbiters 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.

HAND LAUNCH GLIDER & CATAPULT GLIDER

Hand Launch Glider & Catapult Glider will to 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.

FAI EVENTS

F1A, F1B, F1C: 8am start time. Seven (7) one hour rounds. 240 second first round, 180 seconds, rounds 2-7. Round 5 starts at 1pm do to lunch break/ice cream social. Fly-offs starts at 4:30pm.

F1G, F1H, F1J, F1S: 8am Tiebreaker, no max. 15 min window. Not a regular round flight. 8:30 am start of regular rounds. Five (5) 1 hour rounds, 2 minute max. Fly-offs start at 1:30pm. Two (2) fly-offs, 3min & 4 min. If no winner, revert to morning tiebreaker flight.

VINTAGE FAI POWER

For rules, please go to this website: <https://freeflight.org/wp-content/uploads/2019/01/NFFS-Competition-Rules-2019-2020-Release-1.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, ¼ oz per pound – max 1.75 oz fuel.

1/2A GOLDEN AGE

Open to any free flight design that had plans published or dated from 01/01/1957 thru 12/31/1969. Engines are restricted to Holland Hornet

.049/.051 and Cox T.D..049/.051. Although an electric version is included in the provisional rules, electric is excluded from this event. No V.I.T., auto surfaces or auto rudders allowed even if on the original plan. Engine runs

**FLYING
ACES**

Squadron 41

San Diego



Scale Staffel

May 2019 - Outdoor Flying Contest

Saturday and Sunday, May 18-19, 2019

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 accumulated from all three contests (Feb 16-17, May 18-19, Sept 21-22, 2019) will become the 2019 Grand Champion. The trophy will be presented after the last event in 2019

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

FAC Single Model Events

Fly any event on either day, BUT all flights MUST be flown on the same day.

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

Mass Launch Events

Saturday

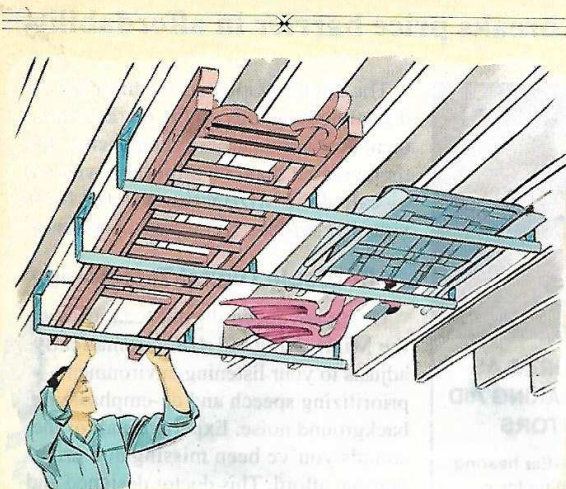
9. FAC World War I Combat
Wind at 8:20 a.m., Launch at 8:30 a.m.
10. FAC World War II Combat / Spanish Civil War Combined
Wind at 9:20 a.m., Launch at 9:30 a.m.

Sunday

11. FAC Greve/Thompson Race
Wind at 8:20 a.m., Launch at 8:30a.m.

SHOP NOTES

EASY WAYS TO DO HARD THINGS



Easy Overhead Storage for the Garage

FREE UP SPACE in the garage by moving lightweight but obtrusive items like ladders and lawn chairs to a ceiling storage system, which is easy to make. Get a few pairs of L-shaped shelf brackets. Fix them in pairs to ceiling joists at a width sufficient for the ladder, lawn chair, or other item to fit between. Then, using the screw holes intended for shelves, connect the hanging ends with dowels—old broomsticks work great, making it easy to slide items into place.

QUICK CHECKS FOR EXPIRED FOOD



Eggs

Eggshells are porous, so eggs fill with air over time. Dropped in a bowl of cold water, old eggs will float, while fresh eggs sink to the bottom.



Avocado

Remove the stem and examine the flesh underneath. A pleasant green indicates an avocado that is ripe and delicious, while brown or black is as good as compostable.



Baking Powder/Soda

Spoon a little baking powder into hot water, or baking soda into white vinegar. If either fails to provoke bubbling, it should be discarded.

Improve Your Clothes Iron

Some clothes irons leak water, which soaks clothes or, worse, can lead to mineral deposits and rust that transfer to clothes. Instead of filling the iron with water, opt for a separate spray bottle and use that to dampen clothes instead.

Wrapping Technique Prevents Headphone Headaches

Headphone cables tangle more easily over time as coiling them introduces a persistent twistiness, which can also cause them to malfunction. Keep them in working order by following this strategy:



01

Hold your hand as if initiating a handshake, and drape the cord in front of your thumb so the jack rests on your palm.



02

Bend in your last three fingers to hold it in place, forming a pistol shape with your thumb and index finger.



03

Wrap the remaining length of cord around those two fingers in a figure-eight motion. The figure eight reverses the twist with each loop, so every two loops cancel each other out.



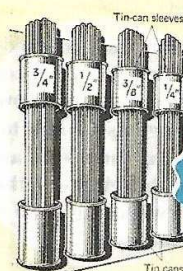
04

When the cord is fully coiled, remove the jack end from your palm and wrap it around the center of the figure eight.

KNOW-HOW

A Dowel Is a Stethoscope for Engine Doctors

Misfiring, bad timing, and other engine problems can be diagnosed by sound. To hear better, use a dowel as a simple stethoscope: Place one end against the engine. Press the other against your ear. Avoid locating the dowel where it can slip into a fan, pulley, hammer mill, etc.



FROM THE ARCHIVES (1972!)

Tin Cans Store Dowels

Pairs of empty tin cans mounted one above the other make storage racks for dowels. Dowels rest in the lower can, and the upper can—which should have its bottom removed—acts as a retainer to keep them upright. Space the cans as appropriate for the length of the dowels to be stored, and mount them on garage studs, the back of a door, or a sheet of plywood, to be hung wherever is convenient.



Improvised Rubber Mallet

For work that requires softer or non-marking impacts, a typical claw hammer can be transformed into a makeshift rubber mallet with a tennis ball. Use a utility knife to cut an X in the tennis ball, then slip it over the head of the hammer.

Putty Knife Protects Wall

Tired of scuffing or scratching a surface when removing nails? Slide a putty knife under a nail before using a claw hammer to remove it. The hammer rolls against the knife, preserving the surface.

SAN DIEGO ORBITEERS
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WHAT'S HAPPENING -

April / May 2019

Apr. 14 - **Orbiteer Outdoor Monthly**

SCAMPS Field, Perris CA, 8:00 am.

Feature Event: **P-30 Memorial (Hot Box)**

Other Events: **E36, Power & HLG/Catapult Launch Glider**

May 5 - **Indoor Flying**

Lost Hills California

Feature Events: **Limited Penney Plane, & No-Cal***

May 18/19 - **Orbiteer Annual Dual-Clubs Free Flight Bonanza**

SCAMPS Field, Perris CA, 7:00 am.

See enclosed flyer for contest details - See you there!

May 18/19 - **Scale Staffel Flying Aces Scale Contest**

SCAMPS Field, Perris CA, 7:30 am.

See enclosed flyer for contest details.