

EL TORBELLINO

NEWSLETTER OF SAN DIEGO ORBITEERS FREE FLIGHT CLUB

January 2018



The Prez's Corner - Don Bartick

Happy New Year to all out there in Orbiteer land. Much is going on as the year gets started. We had our first Indoor competition. The club's inaugural P-18 event had 5 entries. For those that are not familiar with the event, it's an entry level to indoor rubber powered free flight. It's a take-off from the specifications created for last year's Science Olympiad Wright Stuff event held for Middle School students. The planes are available in kit form or you can design your own. Not difficult to build and fun to fly. Kim came out the winner with flights above 2 minutes. I came in second with flights over 2 minutes, but not as good as Kim. The specifications were published in last month's ET. It is also a provisional AMA event this year. Likewise for the Orbiteers. Therefore, no points will be tallied for the Indoor Championship award.

Talking about Science Olympiad, I'm once again coaching teams from Olive Perice Middle school here in Ramona. They are entering 4 teams in the Wright Stuff competition. As such, I have been coaching 8 students to build and fly a plane that I designed to SO 2018 specifications. Each student is responsible for building their own plane. They will each fly their plane in competitions in teams of 2. Each team is responsible for making 2 official flights. The best time will be used. Over 50 schools will be competing. Several Orbiteers, such as John Hutchison and Mike Jester have coached in the past. Both Middle and High schools that have Science Olympiad programs are in need of coaches. So, if any of you are interested, please contact your local schools.

As I write this column, we are in Arizona visiting relatives. This is our precursor to attending the SW Regionals held in Eloy on the 13th, 14th and 15th. This is the umpteenth year for this competition, but the first year without Al Lidberg at the helm. He passed away last year. His son Chris has taken over for him. The contest is for all aspects of outdoor free flight. Events for SAM, AMA, Nostalgia, FAI and FAC are contested. It is also a National Cup and America Cup event.

The joint Orbiteers and Scale Staffel Award Banquet is this month. I'm sure Howard will have a flyer in this month's ET. As always, expect good food, good comradery and wonderful drawing prizes. The 2 clubs are subsidizing the meal expense so there is no excuse for not attending. Plus we need you.

I would like to thank Mark Chomyn for his years of service as our Contest Coordinator and organizer of the annual Awards banquet. Mark requested that another member(s) take over these responsibilities. Mike Pekelny volunteered to take over as Contest Coordinator, Mike Jester will support Mike by managing the contest points. Linda Piazza volunteered to take on the Awards banquet and any other social activities that may arise. Her promotional flyer placed in the Hobby Shops and Miramar Air Museum has attracted new membership which is a good thing. Thank you Linda. A special thanks to Kathy McLaughlin for being our Webmaster and Arline Bartick for the action photos taken at the indoor and outdoor contests.

This is a wrap for now.

Remember: "Simplicity is the ultimate sophistication"

-Leonardo Da Vinci

Don



January Indoor Flying - Grossmont College
Photo by – Arline Bartick

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Howard Haupt(858) 272-5656
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

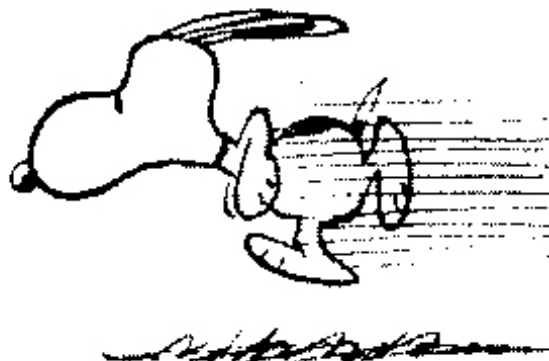
THE FINE PRINT THE FINE PRINT

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

Webmaster: Kathy McLaughlin





P-18 Event - Follow Up

By Mike Jester

Please note that last month's edition of this newsletter inadvertently included a superseded version of the P-18 rules. The final rules are reproduced below. The key difference is that the superseded rules provide that the propeller "shall be an unmodified commercially available unit with a maximum diameter of 6 inches." The final rules provide that the propeller - - shall be an unmodified commercially available ***plastic prop*** with a nominally maximum diameter of 6". If the propeller is advertised as being a 6" unit, it is acceptable for this event. - -. (emphasis added) There will be a P-18 contest the first Sunday of every month at the Grossmont Junior College gym, starting January 7, 2018.

25. P-18 Provisional (for event 227)

25.1. General

Except for the specific rules that apply to this event, the rules for free flight rubber hand launched stick shall apply.

25.2.

The model shall be a rubber powered monoplane covered with either tissue or plastic shopping bag material.

25.3.

The wing shall not exceed 4.5 inch chord and projected span of 18 inches. Horizontal stabilizer shall not exceed maximum span of 9 inches with a maximum chord of 3.5 inches. Maximum overall length, including the propeller shall not exceed 18 inches.

25.4.

The propeller shall be an unmodified commercially available plastic prop with a nominally maximum diameter of 6". If the propeller is advertised as being a 6" unit, it is acceptable for this event. Weight may be added for balancing.

25.5.

The maximum hook to hook distance shall not exceed 10 inches.

25.6.

The minimum weight of the completed model, less rubber, shall be 7.5 grams.



P-18 Discussion

Photo by Arline Bartick



Pop-Off Wing DT for P-30 - Follow Up

By Mike Jester

In my article on this subject that was published in last month's edition of this newsletter I included a 2006 diagram that seemed to attribute the design to Don DeLoach. Mike Pykelny forwarded a similar description and diagram reproduced hereafter which was published in 2004. This is circumstantial evidence indicating that the design may have been conceived by Larry Bagalini, a long-time San Diego free flight enthusiast. I extend my apologies to Larry for the apparent error in attribution.

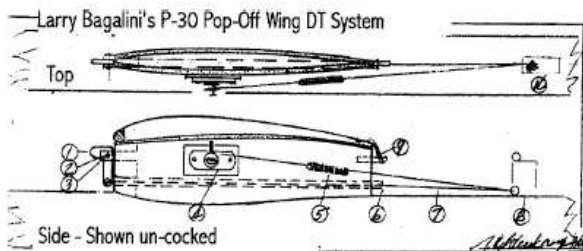
A Pop-off Wing DT for P-30's

by Larry Bagalini

Published in the October 2004 issue of the "Scale Staffer," Gerald Sullivan, Editor

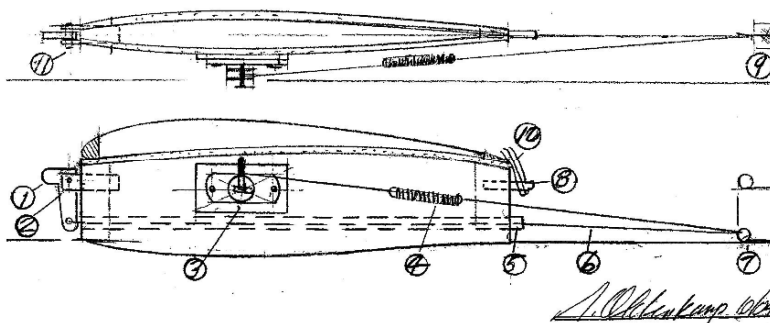
The following was a hand out at the recent Orbiteers general meeting. It was drawn up by John Oldenkamp. The identified parts go a long way to showing how the device is made. Not shown is the line from a wing tip to the rear of the fuselage. A fishing swivel must be placed in this line.

1. Bell crank. Make from thin plastic, aluminum, or ply.
 2. 1/8" i.d. aluminum tube. Drill 1/32, then file slot for axle.
 3. Bell crank axle. #90 nylon bolt, paper clip, or thin tubing.
 4. Viscous Timer. Badger, Flite Tech or FAI Czech, Buddenbohm, etc.
 5. Small stainless steel spring. Some ballpoint pen springs work well.
 6. Plastic small diameter cocktail straw runs through pylon.
 7. Spider wire lanyard. From WalMart fishing department or 10# monofilament.
 8. .020 or .015 inch closed loop music wire turnaround.
 9. Wing held down with 2 #10 bands tied together.
 10. .5 or .75 oz. glass clothe over turnaround. Attach with CyA glue.
- (Larry ties the bands to the peg at illustration 9 to keep from losing the bands.)



EL TORBELLINO OCTOBER 2004 - H.Haupt

For more information about the Larry Bagalini's P-30 pop-off wing DT design, John Oldenkamp profiled the device in his Borderline column in the El Torbellino, October 2004. A copy of this Borderline column is attached to the same email that brought you this newsletter.



JANUARY INDOOR MONTHLY 2018
(January 7, 2018)
Completion Scorer: Mike Jester

P-18:

(Best two of five flight)

1) C.M Kim	129	129	-	258
2) Don Bartick	120	122	-	242
3) Mike Jester	105	99	-	204
4) Don Brent	72	72	-	144
5) Richard Wood	56	82	-	138

A-6:

(Best two of five flights)

1) C.M Kim	129	129	-	381
2) Richard Wood	169	183	-	352
3) John Hutchison	179	161	-	340
4) Greg Hutchison	152	158	-	310
5) Mike Jester	125	157	-	282
*) Don Bartick	91	DNF	-	91

*(non-conforming motor stick)

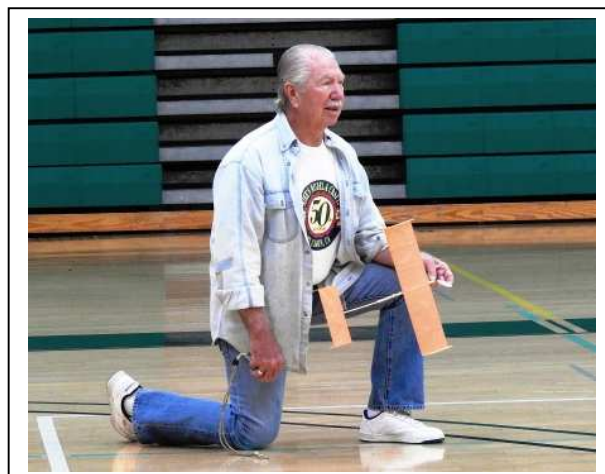
Phantom Flash:

(Scale Staffel Event)

(Best three of six flights)

1) Don Bartick	63	70	68	-	201
2) John Hutchison	59	59	65	-	183
3) Greg Hutchison	50	54	49	-	153
4) Richard Wood	27	33	73	-	133
5) Nick Panousis	25	26	25	-	76
6) C.M. Kim	37	20		-	57
7) Don Brent		DNF			

Photos by Arline Bartick





Locating Lost Models with a Drone

By Mike Jester

If you have been at this hobby for a few years you have undoubtedly lost a model and been unable to recover it. This typically happens when the model catches a thermal and/or the DT fails to trigger. Or you can simply fail to get a good line of sight. I have spent hours searching for lost models, sometimes with success and sometimes without. It takes me a considerable amount of time to build and trim a model, so I am particularly disappointed when my recovery efforts fail. Several years ago I purchased a Walston RF transmitter, receiver and Yagi antenna. I fly all my F1G models with a transmitter on board. Ditto for most of my P-30 models and my larger OTR models including my Gollywock and Jabberwock. This has greatly improved my chances of recovering them.

Recently I received an email from Bernie Crowe, a SCAMPS member. He was desperately seeking to recover his Gollywock at our Perris flying field. It had gotten lost in the tall weeds north of the flight line. Searching over two days had not produced his model. Bernie asked for everyone in the email chain to keep an eye out for his model. I replied that I was going to Perris shortly and would do so. Some fliers feel that so-called drones are the bane of our hobby. These aircraft are, in reality, RC quad copters that are purchased ready to fly. Unfortunately they are often used in the most sensitive areas, like National Parks, where they shouldn't be flown. These drones are, in my opinion, largely responsible for the FAA's push to require registration of model aircraft. Anyway, there is at least one good use of drones that was recently demonstrated. Shortly after receiving the panicked email from Bernie, I got a follow-up email from Bernie indicating that his Gollywock had been found by Hal Cover. Hal had expertly and diligently flown his video-camera-equipped quad copter in a search pattern over the area where Bernie's Gollywock was likely hiding. Once he found it, Hal let his drone hover in position, and walked directly to Bernie's model.



Bernie Crow and Hal Cover with Recovered Gollywock at Perris, California

2017 YTD OUTDOOR POINTS – M.Chomyn

P-30

1st - Don Bartick (5 pts.)

2st - Mike Pykelny (4 pts.)

3rd – Mike Jester (2 pts)

Old Time /Nostalgia

1st – Mike Jester (4 pts.)*

2nd – Mark Chomyn (4 pts)

3rd – Mike Pykelny (2 pts)

*Tie broken by high time

Coupe

1st – John Hutchison (8 pts)

2nd – Mike Jester (7 pts)*

3rd – Mark Chomyn (7 pts)

* (Tie broken by high time)

Power

1st – Don Bartick (5 pts)

2nd – Mike Pykelny (1 pt)

Glider

1st – Greg Hutchison (6 pts)

2nd – Mike Jester (4 pts)*

3rd – Mark Chomyn (4 pts)

*(Tie broken by high time)

Total Outdoor Points

1st – Mike Jester (17 pts)

2nd – Mark Chomyn (15 pts)

3rd – Mike Pykelny (12 pts)



Mike Jester



Mark Chomyn



Mike Pykelny

Photos by Arline Bartick

2017 YTD INDOOR POINTS – M.Chomyn

A-6

1st – Mike Jester (16 pts.)

2nd – C.M. Kim (12 pts.)*

3rd – Richard Wood (12 pts.)

*Tie broken by high time

Penny Plane

1st – Mike Jester (20 pts.)

2nd – Richard Wood (16 pts)

3rd – John Hutchison (9 pts.)

Catapult Glider

1st – Richard Wood (9 pts.)

2nd – Mike Jester (7 pts.)

3rd – Don Bartick (3 pts.)

Total Indoor Points

1st – Mike Jester (43 pts.)

2nd – Richard Wood (37 pts.)

3rd – John Hutchison (17 pts.)



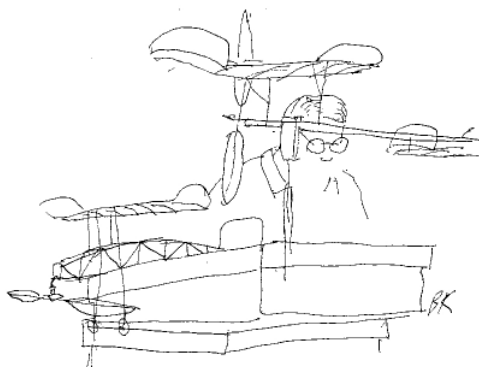
Mike Jester



Richard Woods



John Hutchison



Photos by Arline Bartick

2017 YTD COMBINED INDOOR & OUTDOOR POINTS – Mark Chomyn

2017 Orbiteer of the Year

1st - MIKE JESTER (60 pts)!!!!

2nd – Richard Wood (37 pts)

3rd – Don Bartick (24 pts)



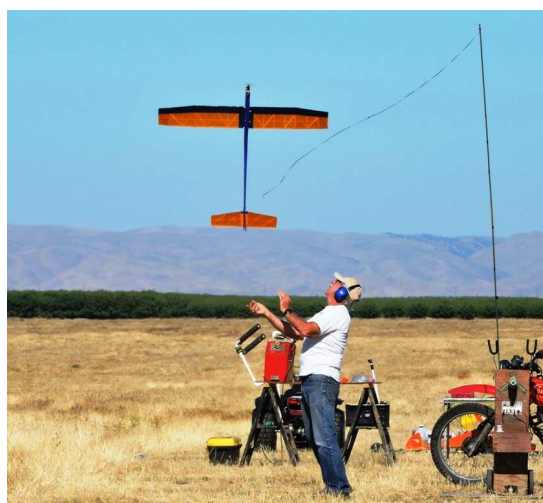
Mike Jester 2017 Orbiteer of the Year



Photos by Arline Bartick



Richard Woods 2017 Indoor Catapult Champion



Don Bartick 2017 Power Champion

FROM THE WORKSHOP - M.Chomyn

Attached are photos of my progress on a Berkeley Culver V. I bought the plans and 1/32" print wood patterns on Ebay. You need to glue the 1/32 print wood to either a 1/32, 1/16 or 3/32 balsa wood backing sheet to get the correct parts thickness shown on the plans. As with any short kit you need to supply all the sticks and with this model the hefty nose block material.

I bought the short kit not only because it's cheaper than trying to get an original Berkeley kit but also because this was a model I got for my 12th birthday back in 1961. It was purchased at Community Drugs the local drugstore in Southwick Mass. The store normally sold plastic kits but they got a shipment of wood kits and the Culver V was one. The box art grabbed me and when I read 29-inch wingspan I was hooked. The kit cost only \$2.00. I think at that time Berkeley was going under and its kits were being offered at lower prices to clear inventory.

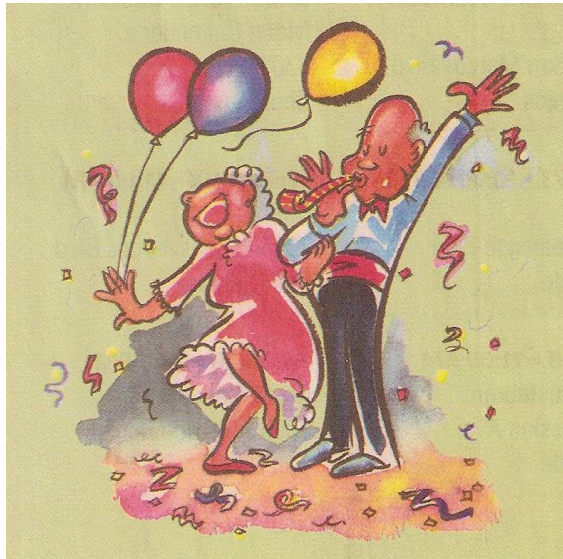
I recall I was able to build the rudder and stab. But I didn't make the rudder moveable by using the wire hinges shown on the plan. By the time I got halfway through the fuselage I gave up and never got to the wing. Which proved, that the writing on the box was correct, it definitely was "A Craftsman's Kit". And, at the age of 12, I was hardly a craftsman. But I always remembered the kit fondly with its huge plan and isometric construction details. When the short kit arrived, I opened the plastic sleeve and unfolded the plan and a rush of dormant memories hit me right between the eyes. There it was, and at the age of 68 with some building experience I was determined to get it built and even make it fly.

I was always of the opinion that Berkeley models were balsa barges and too heavy to fly very well. But the framework so far is not that heavy at 46 grams. But there's still the nose block to add and it's a lot of block. Won't be adding any landing gear, will build it with gear up as it had retracts. Will finish it with a two-tone yellow and blue tissue color scheme I saw on a website. I think it can handle an 8 or 9 inch plastic prop and 8-10 strands of 1/8" rubber about 18 inches long. It has a small amount of polyhedral in the wing, so I'm hoping that will have a positive effect on flight habits. Hope to get it finished in time for the first Scale Staffer contest in 2018.



Berkeley Culver V, 29 Inch Wingspan, Free Flight Model

ORBITEER & SCALE STAFFEL ANNUAL BANQUET - JAN 27TH



WHEN & WHERE:

Saturday, January 27^H at 1:00 pm

GIOVANNTI'S Restaurant
9353 Clairemont Mesa Blvd.

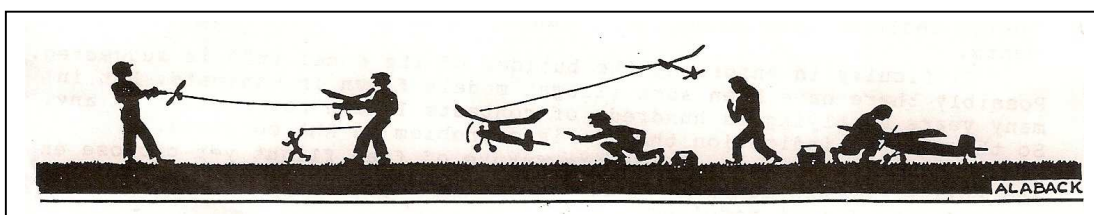
WHAT & COST:

Italian Buffet, which includes:
Salad, Spaghetti, Lasagna, Pizza,
Garlic Bread, and Beverage.
All you can eat for \$15, tax & tip included.

Come one come all, bring your appetite.

THE PROGRAM:

Eat, Drink, and Enjoy
Annual flying awards presentation
Raffle, donations are welcome
Sharing of tall tales and memories.



The **Isaacson** winter classic

February 10 - 12, 2018 at Lost Hills, California



Join us for one of the premier West Coast Free Flight Contests! We are again hosting the Kiwi New Zealand FAI World Cup. All FAI classes are America's Cup. AMA and NFFS classes are National Cup. Category II

Saturday FAI Events

Kiwi - New Zealand World Cup!

F1A, B, C, P & Q

7 round Schedule: Saturday 2/10

- 1 8:00am-9:00am
- 2 9:00am-10:00am
- 3-7 on the hour, to 3pm

Round One Max: All 240 seconds

Fly-Off Schedule:

First fly-off - 6 minute max.

F1A 3:30pm-3:40pm

F1B 3:45pm-3:55pm

F1C/P/Q 4:00pm-4:10pm

Additional rounds to be announced

No official time keepers provided - all help

Jean Batten Awards

For highest placing lady flier in FIABCPQ and FIGHJS

Grand Master Award

For best performance in F1AB or C by a sportsman over 75

Roger Morrell, FAI Event Director

Saturday Only! 8am-5pm

Paul MacCready HLG

E-36 - AMA rules - Mass Launch TBA

Bud's Buddies Big "E" AMA Rules

Vintage FAI Gas

Five rounds, NFFS rules

AMA HHCLG - NC Pts.

Gollywock One Design 3 - 3min max

Gollywock Mass Launch

Sat. Evening TBA. Everyone flies! A Bob White Event!

NOS Gas

1/4A, 1/2A & C. Separate events.

AMA Gas

C, D, Sup. D Combined. Classes will be separated for NC pts.

Sat or Sun

NEW! Hulan's Old-time Sport Glow

RPM limited glow powered oldtimers. See: sanvaleers.com for rules

Sunday FAI

F1G, H, J* & S

*F1J - contingent on pre-entries (4- min)

Round one, 8:00 am! Champagne Flyoff!

Time to the ground. Round Schedule:

Rounds 2-5, two minute max.

1 8:00am-8:45am

2 9:00am-9:45am

3 9:45am-10:30am

4 10:30am-11:15am

5 11:15am-12:00pm

Fly-Offs will begin at 12:15 noon and finish by 3:00. At 3:00, any remaining ties will be broken by using Champagne Flight Times.

Sunday Only! 8am - 3pm

Paul MacCready HHCLG

NOS Gas A, B & Early 1/2A

AMA Gas 1/2A, A & B Combined

AMA HLG - NC Pts.

P-30

Nos Electric - See Hal Cover

NOS Rubber

Large and small combined-NFFS Rules

Bob White Award for top NOS Wake

Classic Glider NFFS Rules

NEW! DD's Rocky Mountain 5x5 HLG

5 rds, 5 min. window, 15 min. chase period, 20 min. total. 90 second max, ALL flights count. From the glider pen.

Sunday 1:00 - 2:40. \$100 for individual winner. Special prize for best 3 man team. Addition to the regular Sat/Sun Ike HLG events

Lee's BTV West, 12" CLG. See Lee

Tahn's Aussie Scramble

After awards!

Contest Directors:

Norm Furutani

15423 Haas Ave.

Gardena, CA 90249

(310) 323-1943

norginf@gmail.com

Roger Morrell

1916 B Gates Ave.

Redondo Beach, CA

FAI Registration Fri.

1pm Pre entry on SEN

Entry Fees:

"Kiwi" World Cup events \$30

All others, \$20.00 - includes one event. Additional events \$5.00 (\$10 World Cup) each.

All must be current member AMA /MAAC and Lost Hills Assoc.

World Cup events require an FAI License.

Awards and Raffle!

Sunday 4pm

Jr.-Sr. Open Class combined.

First through third, each event.

For Updates: watch SEN or go to: <http://sen.fai-freeflight.org/>

Monday, reserve day for FAI Events.

NEW! Monday! E36 WORLD CHALLENGE!

\$1000 in cash prizes! 1st \$500, 2nd \$350, 3rd \$150 plus engraved plaques. MONDAY, to maximize International competition! AMA rules 8am to 12pm. Must fly from the glider pen. Thank you, Bill Vanderbeek!!

Monday! "Kiwi" World Cup F1E

10am-3pm. Five, one hour rounds. On Holloway Hill. Peter Brooks, Event Director

*
*In memory of
our dear friends,
Bob and LaVera
Isaacson*
*



2018 Bob White Memorial Max Men International
An FAI World Cup and Americas Cup Event
February 15 - 19, 2018
AMA SANCTION 18-135

Bissonette Mirage Field, Lost Hills California, USA

F1E: Thursday February 15

F1E California Cup Organized and run by SCAT (Separate Bulletin & Entry)

(7) 45 Minute Rounds + Flyoffs - Check-In on Holloway Hill at 9:00 AM Round 1 Start Time: 10:00 AM

F1B, F1C and F1P: Friday February 16

*(7) 1-Hour Rounds + Flyoffs - Round 1 Start Time: 8:00AM
First Round Extended Max 240 Seconds

F1A: Saturday February 17

*(7) 1-Hour Rounds + Flyoffs - Round 1 Start Time: 8:00AM
First Round Extended Max 240 Seconds

F1Q: Saturday February 17

*(7) 1-Hour Rounds + Flyoffs - Round 1 Start Time: 8:00AM
First Round Max 180 Seconds

Americas Cup Banquet: Saturday February 17

Dinner and Americas Cup Awards Presentations - 7:00 PM at Lost Hills Recreation Center

F1G, F1H, F1J and F1S: Sunday February 18

(5) 1-Hour Rounds + Flyoffs - Round 1 Start Time: 10:00AM

Reserve Day: Monday February 19

ALL CONTESTANTS FLYING F1A, F1B, F1C, F1E AND F1Q MUST HAVE A CURRENT FAI SPORTING LICENSE
***(7) ROUNDS IS AN APPROVED EXCEPTION TO 2018 REGULATIONS**

2018 BOB WHITE MAX MEN INTERNATIONAL ONLINE ENTRY FOR FAB FEBRUARY

Roger Morrell has developed a complete online entry portal for all FAI events that also includes reservations for banquets and social gatherings during the Fab February Week. This is *extremely helpful* to all contest managers and we encourage you to use this portal for all your entries. Open the link below and fill in all your information. You will get an e-mail response and we'll see you in February!

<https://goo.gl/forms/e5CgRY0C3zcN91sL2>

All fees will be collected at registration

IF YOU STILL WANT TO DO IT THE OLD FASHIONED WAY ENTRY FORM (MAX MEN ONLY)

NAME _____
ADDRESS _____
CITY, STATE, ZIP _____
COUNTRY _____ FAI SPORTING LICENSE _____

____ F1A (\$40) ____ F1B (\$40) ____ F1C (\$40) ____ F1P (\$20) ____ F1Q (\$40)

____ F1G (\$20) ____ F1H (\$20) ____ F1J (\$20) ____ F1S (\$20)

NO ENTRY FEES FOR FAI JUNIORS, BUT PRE-ENTRY IS REQUESTED
ENTRY FEES FOR F1E CALIFORNIA CUP WILL BE COLLECTED ON THE HILL BY THE CD ON THE DAY OF THE COMPETITION

AMERICAS CUP BANQUET ____ Adults x \$23 = ____ & ____ Under Age 17 x \$17 = ____

TOTAL ENCLOSED \$ _____

Mail or E-Mail this Entry Form to Max Men International Contest Director:

Bill Booth Jr.

27842 Whisperwood Drive

Menifee, CA 92584 USA

(760) 889-3201 or (951) 301-0054 e-mail: [<ffltarch@gmail.com>](mailto:ffltarch@gmail.com)

Non-AMA Members must pay \$36 AMA Affiliation Fee or show receipt from prior payment
Contestants must pick up Registration Package at Headquarters Tent before Round 1 of their first event

Lost Hills Motels: Motel 6 (661) 797-2346 and Days Inn (661) 797-2371

**FLYING
ACES**
SQUADRON 41



SAN DIEGO
Scale Staffel



February 2018: Outdoor Flying Contest

Saturday and Sunday, FEBRUARY 24 and 25, 2017, 7:30 a.m. to 12:00 p.m.
Scamps Flying Field, Perris CA, Location (33.7803656,-117.1972964)

Events Prizes

Awards for first to third place.

Fees

\$8 for contest including entry for one event, \$3 for each additional event, \$20 maximum to cover the entry into 5 or more events

Contest Directors

George Mansfield
gmansfield75@gmail.com
phone (858) 453-3857

William Scott
wscott@visualantics.com
phone (619) 469-9681

Awards Presentation

Immediately following the contest's final gun on Sunday

Hotel Accommodations

Red Lion
480 S. Redlands Ave, 92570
(Less than 2 miles from the flying field)
(951) 943-5577

Lunch is at the flier option for both days

Pilot's Meeting: 8 a.m. on both days

FAC Single Model Events

Fly any event on either day, but all flights for a given event must be flown on the same day

1. FAC Rubber Scale
2. Golden Age Combine
3. Old Time Rubber Stick and Fuselage (hand launch)
4. FAC 2-Bit+1 (ROG)
5. Jimmie Allen (ROG)
6. Dime Scale
7. Phantom Flash (ROG)
8. Embryo Endurance (ROG)
9. Twice Peanut Walt Mooney Designs

Mass Launch Events

Saturday

10. FAC World War I Combat:
Wind at 8:20 a.m., Launch at 8:30 a.m.
11. FAC World War II Combat:
Wind at 9:20 a.m., Launch at 9:30 a.m.

Sunday

12. FAC Greve/Thompson Race:
Wind at 8:20 a.m., Launch at 8:30 a.m.
13. Spanish Civil War
Wind at 9:20 a.m., Launch at 9:30 a.m.

* Earn points towards our GRAND CHAMPIONSHIP. This contest's scores coupled with those of the later Scale Staffel contest held in 2018 will determine our annual Grand Champion. The trophy will be presented after the last event of 2018 to the flier who garners the most 1st to 3rd place points at the 2018 Scale Staffel contests.

SAN DIEGO ORBITEERS
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WHAT'S HAPPENING -

January / February 2018

- Jan. 27 - **Orbiter & Scale Staffel Annual Awards Banquet**
Giovanni's Restaurant, on 9353 Clairemont Mesa Blvd.
Italian buffet: pizza, pasta, salad and soft drinks, \$15 person.
- Jan. 28 - **Orbiter Outdoor Monthly** (No Rain Date)
SCAMPS Field, Perris CA, 8:00 am.
Feature Events: **P-30** Other Events: **Power & Glider**
- Feb. 4 - **Indoor Flying**
Grossmont College (Upper Gym), 7:30 am to 11:30 am.
Feature Events: **Limited Penny Plane, P-18 & No-Cal Scale**
- Feb. 18 - **Orbiter Outdoor Monthly** (No Rain Date)
SCAMPS Field, Perris CA, 8:00 am.
Feature Events: **OT/Nostalgia Rubber** Other Events: **Power & Glider**
- Feb. 24/25 **Scale Staffel Scale Contest**
SCAMPS Flying Field, Perris CA. 7:30 am to 12:00 pm.
See enclosed flyer for events and contest details.