

EL TORBELLINO

NEWSLETTER OF SAN DIEGO ORBITEERS FREE FLIGHT CLUB

MAY 2014



The Prez's Corner – Don Bartick

The San Valeers, SCAMPS and SCIF's contest at Lost Hills was almost a bust. We got there Friday afternoon and the wind was in the 20 to 30 mph range. The weather forecast was entirely different. Projections were 5 to 9 mph for the weekend. Unloaded our stuff and left it in on the ground. Didn't attempt to setup. What was very noticeable was the volume of cars and RVs. Appeared as though this was going to be a well attended meet. Talked to a few folks and headed for the motel. Saturday was no different. The winds continued in the 20 to 30 mph range with gusts even higher. The contest was blown out. A few people became discourage and went home. Sunday started off the same, but the flyers felt that change would happen and by gosh it did. The direction of the wind started to change and by 8:30am the conditions became flyable. Since Saturday was a bust, the events schedule for that day was pushed into Sunday. Let me tell you, there was a heck of a lot of flying going on. The mad rush to fly two days in one was very inspiring. Never saw so much activity in a long time. Planes were going up. Some successfully, others coming down to re-kit. Overall it was a great experience. Glad most of us had patience. Ken Kasier was the San Valeers CD. It was his experience and to have Saturday lost was not a good way to start his CD career. But at the end he was a busy boy. Fortunately he had help from his wife.

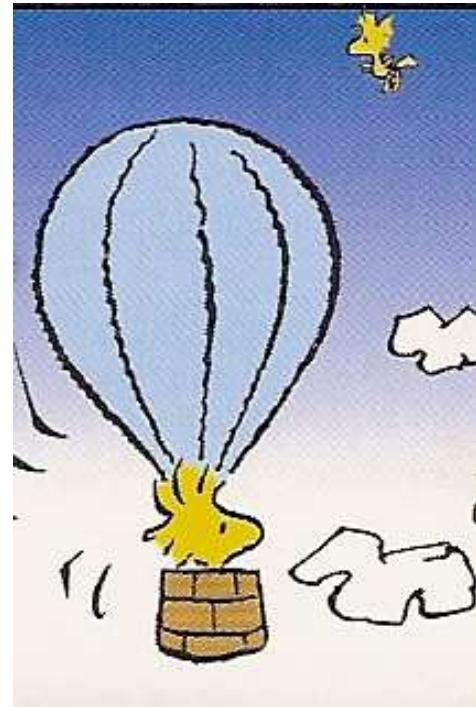
Now on to the Dual-clubs FF Bonanza. It starts a week from now as I write this column. The plaques arrived and the ice cream was ordered. That's the last major items in the preparation. The weather forecast looks okay.

Temperatures will be in the high 80's to low 90's. That will work fine. Just pray that the winds behave.

Kang Lee, the winner of the 2014 F1D World Championships in Romania held at the famous Salt Mine came by the Indoor session last Sunday the 3rd to show off the perpetual trophies. He had one for winning the competition and one for high time. He will be listed with the greats of the F1D community. Again, congratulations Kang.

That's a wrap for now. Got to finish painting the garage.

Remember: "If you find a path with no obstacles, it probably doesn't lead anywhere."
–Frank A. Clark





BOARD OF TRUSTEES

Chairman

Don Bartick (760) 789-3773
dbartick@4-warddesign.com

Vice Chairman (Acting)

John Hutchison.....(619) 303-0785
johnhutchison1@cox.net

Secretary

John Merrill(619) 449-4047
johnrmerrill@yahoo.com

Mark Chomyn(760) 753-7164
chomyn@roadrunner.com

Mike Pykelny(858) 748-6235
MPykelny@dsxextreme.com

Mike Jester(619) 575-1953
jesterlawoffice@gmail.com

Treasurer (Trustee at Large)

Howard Haupt(858) 272-5656
hlhaupt1033@att.net

ORBITEER TASK LEADERS

Competition Director

Mark Chomyn(760) 753-7164
chomyn@roadrunner.com

Safety Officer & Field Marshall

John Oldenkamp(619) 233-4837
boxbldr@hotmail.com

Web Master & Yahoo Coordinator

Bob Beecroft(760) 723-2499
bob@theaerosmith.com

Newsletter Editor / Membership Cordinator

Howard Haupt(858) 272-5656
hlhaupt1033@att.net

ORBITEERS MEMBERSHIP DUES

Annual Membership - \$15
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: Bob Beecroft



2014 ORBITEER FLYING SCHEDULE

May 17/18 Dual Club FF Bonanza, Lost Hills CA

May Rotation Skipped: (Nos. Rubber)

June 22 - Coupe, Power, & Glider

July 4 - Walt Mooney Annual Scale Contest

July 20 - P-30, Power, & Glider

Aug 17 - Nos. Rubber, Power, & Glider

Aug 23/24 FAC Scale Contest, (Two of Three)*

Sept 21 - Coupe, Power, & Glider

Sept US FF Championships, Lost Hills

Oct 12 - P-30, Power, & Glider

MONEY MATTERS - H.Haupt

04/18/14 thru 05/13/14

Income:

Dues (1) 15.00

Expenses:

April Newsletter 10.75
Dual-Clubs Awd. Balance 515.00

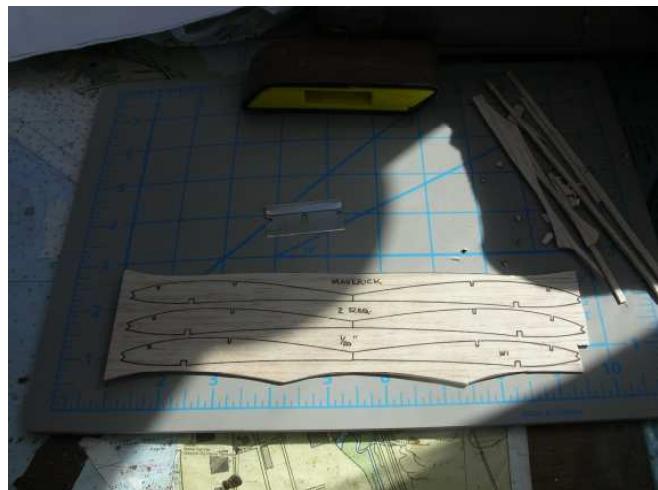
Current Balance \$ 477.35



FROM THE WORKSHOP

This column provides a venue for the sharing of projects under way by members of the club.

John Merrill fills some of his down time while on the job, as he describes. "Lets say you drive a 99 year old boat 5 times a day, with 10-15 minutes between runs What do you do with your time? You clear a little area on the chart table, and cut out balsa parts! In this case, (as the following pictures show), they are parts for a Coupe called a Maverick, from an R/N kit. I have also used that time on various days to cut out parts for a Dime Scale or two, a P-30, and an occasional scale job. Now all I need is the motivation to glue all those parts together into actual airplanes. Will do soon."



2014 INDOOR FLYING SCHEDULE

May 4 - Phantom Flash, No-Cal*

June 1 - Penny Plane, Phn. Flsh*, No-Cal*

July 6 - A-6, Phantom Flash*, No-Cal*

Aug 3 - Phantom Flash, No-Cal*

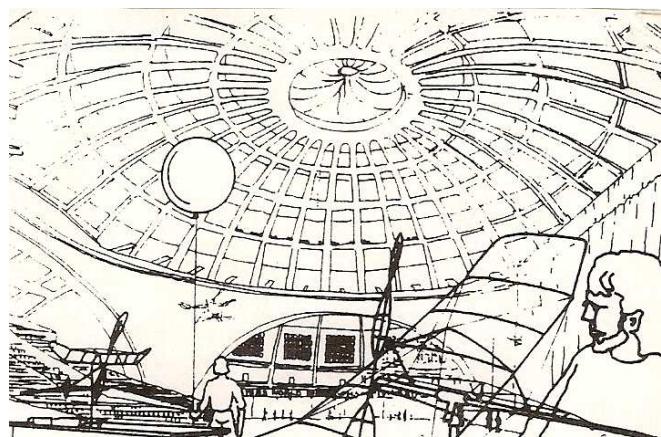
Sept 7 - Penny Plane, Phn. Flsh*, No-Cal*

Oct 5 - A-6, Phantom Flash*, No-Cal*

Nov 2 - Phantom Flash, No-Cal*

Dec 7 - Penny Plane, Phn. Flsh*, No-Cal*

***Non-ORBITEER Points Event**



DUAL-CLUBS FREE FLIGHT BONANZA

A National Cup Event

**SAN DIEGO ORBITEERS 57th ANNUAL - CLASS AA, CATEGORY 2
SPONSOR OF AMA, CLASSIC & MINI-FAI EVENTS**

*

**FRESNO GAS MODEL CLUB 76th ANNUAL - CLASS AA, CATEGORY 2
SPONSOR OF NOSTALGIA, TEXACO & OLD TIME EVENTS**

*** MAY 17th & 18th 2014 ***
*** 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 | |
|---|--|--|---|
| ½ A GAS (1) C/D GAS P-30 (1) VINTAGE FAI POWER CATAPULT GLIDER (1) ½ A TEXACO DAWN P-30 NIGHT GAS (COMBINED) | 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 TOMBOY TOM CARMAN MEMORIAL (2) | EARLY ½ A NOS. .020 REPLICA A PYLON B-C PYLON A FUSELAGE B-C FUSELAGE RUB/WAKEFIELD NOS CLASSIC TOWLINE ½ A CLASSIC POWER E-36/A/B ELECTRIC (COMBINED) BILL BOOTH, SR MEMORIAL | FIJ/F1P (POWER) FIG (COUPE) F1H (TOWLINE) A GAS B GAS HAND LAUNCH GLIDER (1) FULL SIZE TEXACO MULVIHILL DAWN MULVIHILL GOLLYWOCK MASS LAUNCH |

(1) Junior & Senior/Open Event

(2) Cash Awards

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 (5:30 -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 (except as noted)

**Ceremonies at: 5:15 PM Saturday
3:15 PM Sunday**

\$15 REGISTRATION Sr. & Open / \$2 Jr

\$5 per Event Sr. & Open / \$1 Junior -

Optional: \$35 for Registration & Unlimited Events

For Information Contact:

Don Bartick, CD - San Diego Orbiteers
22465 Casa De Carol Ramona, CA 92065
(H) 760-789-3773
(E) dbartick@4-warddesign.com

Doss Porter, CD-Fresno GMC
(H) 559-251-0787
(E) steve93612@comcast.net

LOST HILLS MODEL AIRFIELD ASSOCIATION CARD REQUIRED (\$20 AT FIELD TO JOIN)

SPECIAL INSTRUCTIONS

SATURDAY NOON to 1 PM LUNCH BREAK & SUNDAE SOCIAL

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

TOM CARMAN MEMORIAL

Any size Texan or Spacer. If Nostalgia legal, must fly by Nostalgia rules. If AMA legal, must fly by AMA rules. No entry fee. Event runs both days, but must be finished on the day started. Must sign up for the event. Special cards will be provided. Cash prizes 1st thru 3rd place: \$50, \$25 & \$15. Event sponsor is Jim Hurst. Questions: contact Jim at 310-324-5425.

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 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 6pm – 9pm. Engine runs in accordance with aircraft classification; i.e., AMA or Nostalgia.

TOMBOY

3cc fuel. Must ROG. Timer must stay within 200 ft. of launch. Best time out of unlimited flights between the contest hours .

MINI FAI EVENTS Low stress format

F1G, F1H, F1J/P: First five (5) flights must be flown from the established line between 7:00 – 12:00 AM. 120 sec max

Fly-off in **½ hour rounds** starting at 1:00 PM. 15min rounds in sequence. 15min between end of round and beginning of next one. Fly-off round max: 1st 150sec, 2nd 180sec, 3rd 210sec, 4th 240sec, 5th 300sec, 6th 360sec and so on. Fly-off rounds may be compressed by consensus of the participants and the CD.

VINTAGE FAI POWER Low stress format

For rules, please go to this website: <http://faipower.com/vintage-fai-power.htm>. 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.

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, 1/4oz per pound – max 1.75oz fuel.

Gollywock Mass Launch

Sunday morning at 8:00 sharp. Mass launch from glider pen; 1 flight, no max.

By Frank Morring, Jr.

Senior Editor Frank Morring, Jr., blogs at: AviationWeek.com/onospace
morring@aviationweek.com



COMMENTARY

Gravity Tractor

A halo orbit to save the world

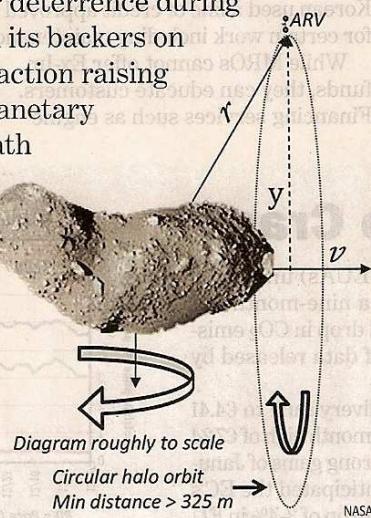
No one ever went broke raising the fear level in Washington. All you need is a credible Red Menace, organized-crime Mob or jihadist terror cell, and Congress will have little choice but to throw money at it until it goes away. In fear-mongering circles, few threats can top extinction-level events—witness the treasure spent on strategic nuclear deterrence during the Cold War. But so far NASA and its backers on Capitol Hill haven't gotten much traction raising the fear level on a demonstrated planetary life-ender—the impact and aftermath of an asteroid collision.

Scientists are pretty sure that a space rock at least 10 km (6 mi.) across slammed into Earth 66 million years ago, lowering the curtain on the Cretaceous era and the terrestrial dinosaurs that had thrived in it. Impacts may have caused earlier mass die-offs; the evidence is less clear. A few years back a small coterie of politicos in Congress and at NASA got the bright idea that “planetary” defense would sell as well as the regular kind, so the asteroid redirect mission (ARM) concept was born.

The idea attracted engineers at the space agency who had studied the hard stuff in school, and it picked up steam when a much smaller meteor exploded over Chelyabinsk, Russia, on Feb. 15, 2013, generating a shock wave that shattered windows for miles and injured almost 1,500 people. Viral videos from the liability-conscious Russian drivers’ dashboard cameras didn’t hurt either.

By then NASA—with congressional blessing—already was seeking potentially deadly near-Earth objects (NEO), but the mission to capture an asteroid, nudge it into a stable orbit around the Moon and visit it with astronauts was going nowhere. Given early response on Capitol Hill to NASA’s call for a modest increase in its \$105 million ARM budget for this year, it still isn’t.

Perhaps with that in mind, the agency has gradually shifted the main motivation for ARM from science to



engineering, recasting it in a new broad agency announcement (BAA) as what it was, de facto, before that—a focal point to drive the technology development that will be needed to explore beyond low Earth orbit with humans (AW&ST March 31, p. 26). But planetary defense hasn’t dropped completely out of the picture. The search for Earth-crossing asteroids and comets goes on, identifying targets for the ARM and cataloging objects with trajectories threatening enough to keep an eye on.

It wouldn’t hurt to know more about asteroids. Space scientists at NASA and elsewhere are sending out robotic probes, including the 2016-23 Osiris-Rex mission to return a sample of the carbonaceous asteroid Bennu, for study. So far, the idea of catching a small one in an inflatable bag and bringing it back to poke with shovels has not captured the public or political imagination.

A primary reason for studying aster-

oids is to learn more about their structure, very useful to know if one is spotted on a collision course with the home planet. Are they solid rocks, or loosely aggregated gravel piles, or somewhere in between? Knowing the difference based on a space rock’s telescope signature will almost certainly drive the design of any countermeasure.

To that end, NASA is pursuing two approaches to collecting a space rock for additional study, and one of them has the side benefit of giving engineers a way to evaluate an interesting concept for deflecting a threatening asteroid.

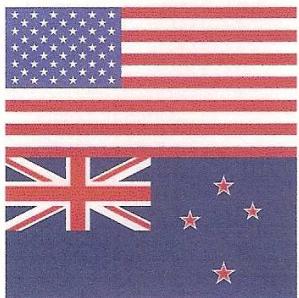
A principal engineering thrust of the whole ARM idea is to advance the state of the art in the solar electric propulsion (SEP) that would be needed to deflect a fairly large object toward a lunar region known as distant retrograde orbit. But if no asteroid can be found that is suitable to capture whole, an alternative would be to approach a larger asteroid, study it, and then grab a boulder from its surface to carry back to the Moon.

That would allow engineers to evaluate a concept known as an augmented gravity tractor—combining the mass of the collected boulder and the asteroid redirect vehicle (ARV) to create enough of a gravity pull to divert the asteroid slightly. The ARV would go into a close halo orbit around one end of the asteroid (see illustration) and hold position long enough for radar tracking to determine if the minute change in the gravity configuration would be enough to divert the asteroid. “If you have enough time—several months to years—to do this operation, you can do a very simple gravity tractor mission,” says Lindley Johnson, who heads the search for NEOs at NASA. “One of the advantages of it is you don’t have to directly interact with the asteroid surface—it doesn’t matter whether it’s tumbling, or whatever—and [you can] gently tug the asteroid off the hazardous trajectory over time.”

Adding the mass of the boulder is icing on the cake, he says, augmenting the gravity shift away from an extinction-event trajectory. ☈



Watch a NASA animation in our OnSpace blog of astronauts conducting one of two asteroid-capture missions under consideration: ow.ly/vi71d



35TH MMM 14-ROUNDER

JULY 10-13, 2014
DENVER, USA



The format of this year's event is different than previous years with the addition of the Tui (NZL) Cup. The Centennial and Tui cups are separate 7-round competitions. The traditional MMM silver perpetual trophies and Blue Jackets will be awarded based on the sum of the competitor's performance in both 7 round mcts. *Blue Jackets can only be earned by flying a perfect 14 180-second maxes over the two days in FIA, B, C, P, or Q.*

July 10 (Thursday) - 5 rounds of F1E Centennial Cup, Team Finals.

July 11 (Friday) - 5 rounds of F1E Tui Cup, Team Finals.

July 12 (Saturday) - 7 rounds of Centennial Cup: F1A, F1B, F1C/P, and F1Q, plus 4 rounds of F1G, H, J and Vintage F1C.

July 13 (Sunday) - 7 rounds of Tui Cup: F1A, F1B, F1C/P and F1Q, plus 4 rounds of F1G, H, J and Vintage F1C.

AMA/NFFS/SAM Events, 7:30 a.m. to 4:30 p.m.

No rounds. In combined events, fly any/all events you wish; we will use your best single event score for awards purposes. HLG/CLG will use a launch pen.

Saturday, July 12: CLG, P-30, Fast Gas Combo*, OT Rubber Combo, Fast Electric Combo[#]

Sunday, July 13: HLG, Classic Towline, Slow Gas Combo**, Small /Large Nos. Rub. Combo, Slow Elec. Combo^{##}

* AMA Gas: 1/2A, 1/2A Classic, A, B, AB Classic, C, D and/or CD Classic.

** Nostalgia: 1/4A, Early 1/2A, 1/2A, A, B, C and/or MMMM SLOP.

AMA Electric: A and/or B.

AMA E-36, 1/2A E-Nos. and/or ABC E-Nos.

Flying Site: Lowry Range in Arapahoe County, Colorado. Entrance near intersection of Watkins Road and Quincy Ave. Email for map and lock combination.

World Cup: Competitors flying to earn World Cup points MUST have a valid FAI Sporting License. All non-permanent resident U.S.A. or Canadian competitors MUST have (or may purchase on the field for \$28) an AMA Associate License.

F1E rounds schedule: 9 a.m. first round start each day. Meet at bottom of the hill at 8 a.m. for shuttling.

Contest Hours: Saturday and Sunday, 7:30 a.m. - 4:30 p.m., weather dependent. Flyoffs 5:00 p.m. each day.

Rounds schedule: First four rounds each day, Saturday and Sunday, are 90 minutes, not overlapping, to accommodate mini events. Final three rounds each day 60 minutes.

Banquet: Check the MMM website for date, time, and location. <www.themmmclub.com>.

Accommodations: Check the MMM website for hotel details. Primitive RV and tent camping is allowed on the site for a flat fee of \$25 (as per the Colorado State Land Board). No hookups are provided. No dumping is allowed. There is a Porta-Potty on site.

NOTE: All Juniors, and past World Champions shall pay no entry fees!

For more information contact: Jerry Murphy, 719-685-3766 <jb_murphy@msn.com>.

ELITE MMM "BLUE JACKET" CLUB: 14-ROUND MAXOUTS SINCE 1980



Detach, fill out, and send to: Marc Sisk, 17472 Cabin Hill Ln. Colorado Springs, Colorado 80908 USA <msisk916@comcast.net>

Name _____ Country _____ AMA # _____ Fee enclosed _____

Entry fees: \$35 per FAI WC event, and \$15 per mini-FAI/AMA/NFFS/SAM event. \$55 maximum. Check payable to MMM, or use PayPal (see PayPal instructions on MMM website). If using PayPal we still need an entry form mailed or emailed. Entries received on or before 7/1/14 shall be \$25 per World Cup event, and \$10 per Mini-FAI/AMA/NFFS/SAM event. \$50 maximum for unlimited events.

Circle events entered:

Centennial Cup: F1A, F1B, F1C, F1E, F1G, F1H, F1J, F1P, F1Q, Vintage F1C. **Tui Cup:** F1A, F1B, F1C, F1E, F1G, F1H, F1J, F1P, F1Q, Vintage F1C.

Glider: HLG, CLG, Classic Towline. **Rubber:** P-30, OT Rubber Combo, Small /Large Nos Rubber Combo. **Electric:** E-36, AMA A, AMA B, 1/2A E-Nos, ABC E-Nos. **AMA Gas:** 1/2A, A, B, C, D, 1/2A Classic, AB Classic, CD Classic. **Nostalgia Gas:** 1/4A, Early 1/2A, 1/2A, A, B, C, MMM Slow Open Power.

FAC KANONE REPORT

FAC Club Name San Diego Scale Staffel

Contest Date 4/12/2014

Contest Director John Hutchinson

Email Address johnhutchinson1@cox.net Squadron # 41

Please list the top four finishers of each event. You may indicate the total number of flyers in each event if you wish.

| Event: WWII MASS Launch | TOTAL FLIGHT SECONDS or BEST | | | | FAC member? Y/N | |
|----------------------------------|---|------------|-----------|-----------|-----------------|-------|
| | FLIGHT TIMES (or HEAT ROUNDS FOR ML EVENTS) | SCALE FLT. | Bonus Pts | Scale Pts | TOTAL | PLACE |
| Contestant's full name & Entries | Model | 1 | 2 | 3 | FACTORED | |
| John Hutchinson | Fokker D7 | 28 | 38 | 66 | | 1 Y |
| John Merrill | Fokker D7 | 12 | 14 | 17 | | 2 Y |
| Robert Hodges | SE5A | 30 | 9 | — | | 3 Y |
| William Scott | Fokker D7 | 7 | — | — | | 4 Y |

| Event: WWII MASS Launch | TOTAL FLIGHT SECONDS or BEST | | | | FAC member? Y/N | |
|----------------------------------|---|------------|-----------|-----------|-----------------|-------|
| | FLIGHT TIMES (or HEAT ROUNDS FOR ML EVENTS) | SCALE FLT. | Bonus Pts | Scale Pts | TOTAL | PLACE |
| Contestant's full name & Entries | Model | 1 | 2 | 3 | FACTORED | |
| Mike Mulligan | KJ-61 Tony | 108 | 93 | 101 | | 1 Y |
| John Doneelson | Reggiane 2005 | 65 | 52 | 54 | | 2 Y |
| Mark Chomyn | Kawasaki Helia | 21 | 22 | 35 | | 3 Y |
| Roger Willis | BF109-F | 51 | 14 | — | | 4 Y |

| Event: Greves / Thompson | TOTAL FLIGHT SECONDS or BEST | | | | FAC member? Y/N | |
|----------------------------------|---|------------|-----------|-----------|-----------------|-------|
| | MASS Launch FLIGHT TIMES (or HEAT ROUNDS FOR ML EVENTS) | SCALE FLT. | Bonus Pts | Scale Pts | TOTAL | PLACE |
| Contestant's full name & Entries | Model | 1 | 2 | 3 | FACTORED | |
| John Doneelson | Mister Smoothie | 53 | 78 | 88 | | 1 Y |
| Mike Mulligan | Shoefield Tracer | 16 | 131 | 80 | | 2 Y |
| Mark Chomyn | Mister Smoothie | 34 | 74 | 48 | | 3 Y |
| Robert Hodges | Cessna CR3 | 48 | 54 | — | | 4 Y |

Send completed forms to: MIKE WELSHANS, KEEPER OF KANONES

976 Pearson, Ferndale, MI 48220

mhwelshans@aol.com

FAC KANONE REPORT

FAC Club Name

San Diego Scale Staffel

Contest Date 4/12/2014

Contest Director John Hutchinson Email Address john.hutchinson.1@cox.net Squadron # 41

Please list the top four finishers of each event. You may indicate the total number of flyers in each event if you wish.

| Event: Embryo Endurance | TOTAL FLIGHT SECONDS or BEST | | | FAC member? | | | | |
|----------------------------------|---|------------|----------|-------------|-----------|-------|-------|-----|
| | FLIGHT TIMES (or HEAT ROUNDS FOR ML EVENTS) | SCALE FLT. | FACTORED | Bonus Pts | Scale Pts | TOTAL | PLACE | V/N |
| Contestant's full name / entries | Model | | 1 | 2 | 3 | | | |
| Dave Lofthouse | Debut | | 120 | 120 | 120 | | 360 | 1 Y |
| Robert Hodges | Hybrid | | 98 | 120 | 100 | | 318 | 2 Y |
| John Donelson | Embry-Omatic | (61 | 112 | 84 | | | 257 | 3 Y |
| Roger Willis | Debut | | 51 | 84 | 62 | | 197 | 4 Y |

| Event: Phantom Flash | TOTAL FLIGHT SECONDS or BEST | | | FAC member? | | | | |
|----------------------------------|---|------------|----------|-------------|-----------|-------|-------|-----|
| | FLIGHT TIMES (or HEAT ROUNDS FOR ML EVENTS) | SCALE FLT. | FACTORED | Bonus Pts | Scale Pts | TOTAL | PLACE | V/N |
| Contestant's full name / entries | Model | | 1 | 2 | 3 | | | |
| Robert Hodges | Phantom Flash | 84 | 104 | 120 | | 308 | 1 Y | |
| Mike Lester | " | 80 | 57 | 120 | | 257 | 2 Y | |
| John Merrill | " | 60 | 57 | 72 | | 189 | 3 Y | |
| William Scott | " | 61 | 51 | 46 | | 158 | 4 Y | |

| Event: FAC Rubber Scale | TOTAL FLIGHT SECONDS or BEST | | | FAC member? | | | | |
|----------------------------------|---|------------|----------|-------------|-----------|-------|-------|-----|
| | FLIGHT TIMES (or HEAT ROUNDS FOR ML EVENTS) | SCALE FLT. | FACTORED | Bonus Pts | Scale Pts | TOTAL | PLACE | V/N |
| Contestant's full name / entries | Model | | 1 | 2 | 3 | | | |
| Fernando Ramos | Grumman Guardian | | | | | 140.5 | 1 Y | |
| Mike Mulligan | Kawasaki 60 | | | | | 137.5 | 2 Y | |
| John Hutchison | Fokker D7 | | | | | 110.5 | 3 Y | |
| Roger Willis | Cessna CR 2 | | | | | 79.1 | 4 Y | |

Send completed forms to: MIKE WELSHANS, KEEPER OF KANONES

976 Pearson, Ferndale, MI 48220

mhwelshans@aol.com

FAC KANONE REPORT

FAC Club Name San Diego Scale Staff | **Contest Date** 12-13
1/1/2014

Contest Director John Hutchinson | **Email Address** johnhutchinson1@cox.net | **Squadron #** 41

Please list the top four finishers of each event. You may indicate the total number of flyers in each event if you wish.

| Event: Double Trouble (Twins) | FLIGHT TIMES (or HEAT ROUNDS FOR ML EVENTS) | TOTAL FLIGHT SECONDS or BEST | | | FAC member? |
|----------------------------------|---|------------------------------|-------|-------|-------------|
| | | SCALE FLT. | TOTAL | PLACE | |
| Contestant's full name 4 entries | Model | 1 | 2 | 3 | FACTORED |
| Mike Mulligan | Bu 1 | 42 | 35 | 37 | |
| Robert Hodges | Hornet | 23 | 26 | 17 | |
| Fernando Ramos | Mosquito | 19 | 12 | — | |
| William Scott | Cessna 310 | 7 | — | — | |

| Event: Golden Age | FLIGHT TIMES (or HEAT ROUNDS FOR ML EVENTS) | TOTAL FLIGHT SECONDS or BEST | | | FAC member? |
|----------------------------------|---|------------------------------|-------|-------|-------------|
| | | SCALE FLT. | TOTAL | PLACE | |
| Contestant's full name 4 entries | Model | 1 | 2 | 3 | FACTORED |
| John Alling | Recrewin Speedster | 57 | 105 | 79 | |
| Mike Lester | FAIRCHILD 24 | 91 | 64 | 67 | |
| Mark Chomyn | Aeronca | 34 | 83 | 41 | |
| Robert Hodges | TAYORCRAFT | 16 | — | — | |

| Event: Power Scale | FLIGHT TIMES (or HEAT ROUNDS FOR ML EVENTS) | TOTAL FLIGHT SECONDS or BEST | | | FAC member? |
|----------------------------------|---|------------------------------|-------|-------|-------------|
| | | SCALE FLT. | TOTAL | PLACE | |
| Contestant's full name 5 entries | Model | 1 | 2 | 3 | FACTORED |
| Bob Wetherall | Hornet Moth | | | | |
| Fernando Ramos | Miles Magister | | | | |
| John Donelson | BARRACUDA | | | | |

Send completed forms to: MIKE WELSHANS, KEEPER OF KANONES

976 Pearson, Ferndale, MI 48220

mhwelshans@aol.com

FAC KANONE REPORT**FAC Club Name** San Diego Scale Staffel**Contest Date** 4/12/2014

Contest Director John Hutchinson
Email Address johnhutchinson1@cox.net
squadron # 41

Please list the top four finishers of each event. You may indicate the total number of flyers in each event if you wish.

| Event: | Contestant's full name | Model | TOTAL FLIGHT SECONDS or BEST | | | FAC member? | | | | |
|------------------|------------------------|-------|---|------------|----------|-------------|-----------|-------|-------|-----|
| | | | FLIGHT TIMES (or HEAT ROUNDS FOR ML EVENTS) | SCALE FLT. | FACTORED | Bonus Pts | Scale Pts | TOTAL | PLACE | Y/N |
| Event: 2B, T + 1 | John Donelson | Moth | 99 | 120 | 120 | | | 339 | 1 | Y |
| | Robert Hodes | Moth | 81 | 120 | 79 | | | 280 | 2 | Y |
| | Mike Jester | Moth | 58 | 120 | 85 | | | 263 | 3 | Y |
| | Dow Chapman | Moth | 36 | 38 | 66 | | | 140 | 4 | Y |

| Event: | Contestant's full name | Model | TOTAL FLIGHT SECONDS or BEST | | | FAC member? | | | | |
|-----------|------------------------|------------|---|------------|----------|-------------|-----------|-------|-------|-----|
| | | | FLIGHT TIMES (or HEAT ROUNDS FOR ML EVENTS) | SCALE FLT. | FACTORED | Bonus Pts | Scale Pts | TOTAL | PLACE | Y/N |
| Event: 3A | Jimmy Allen | BA Cabin | 120 | 120 | 120 | | | 360 | 1 | Y |
| | Ave Lofthouse | BA Cabin | 120 | 62 | 120 | | | 302 | 2 | Y |
| | Roger Willis | BA Cabin | 52 | 39 | 120 | | | 211 | 3 | Y |
| | John Merrill | Blue Flash | 120 | — | — | | | 120 | 4 | Y |
| | Mark Chomyn | Blue Flash | — | — | — | | | — | — | — |

| Event: | Contestant's full name | Model | TOTAL FLIGHT SECONDS or BEST | | | FAC member? | | | | |
|-----------|------------------------|------------|---|------------|----------|-------------|-----------|-------|-------|-----|
| | | | FLIGHT TIMES (or HEAT ROUNDS FOR ML EVENTS) | SCALE FLT. | FACTORED | Bonus Pts | Scale Pts | TOTAL | PLACE | Y/N |
| Event: 3B | John Allen | BA Cabin | 120 | 120 | 120 | | | 360 | 1 | Y |
| | Mike Jester | BA Cabin | 120 | 62 | 120 | | | 302 | 2 | Y |
| | Dow Chapman | BA Cabin | 52 | 39 | 120 | | | 211 | 3 | Y |
| | John Merrill | Blue Flash | 120 | — | — | | | 120 | 4 | Y |
| | Mark Chomyn | Blue Flash | — | — | — | | | — | — | — |

Send completed forms to: MIKE WELSHANS, KEEPER OF KANONES

976 Pearson, Ferndale, MI 48220

mikewelshans@aol.com

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



WHAT'S HAPPENING - MAY 2014

May 17/18 **DUAL-CLUBS FREE FLIGHT BONANZA**, Lost Hills CA.
San Diego Orbiteers 57TH Annual ConTEST, (See enclosed flyer for details)

JUNE 2014

June 1 - **Indoor Flying**, Grossmont College (Upper Gym), 7:30 am to 11:30 am.
Feature Event: Penny Plane Other Event: Phantom Flash

June 15 - Board of Directors Meeting, Mike Jesters Home, 7:00 pm.

June 22 - **Orbiteer Outdoor Monthly**, Otay Mesa, 8:00 am,
Feature Event: Coupe Other Events: Power & Glider