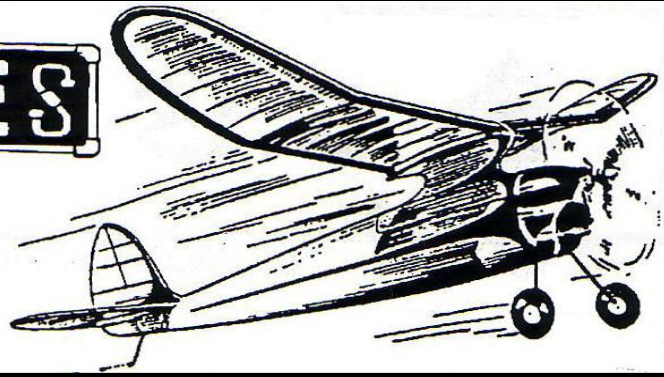


GAS LINES

September 2021



S.A.M. Chapter 13
AMA Charter #158

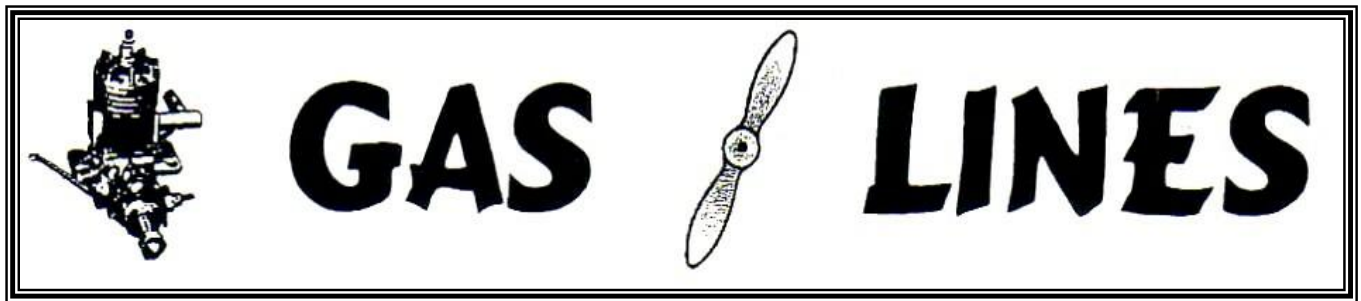


Official Newsletter of the Southern California Antique Model Plane Society

Founded in 1964

Website address: <http://SCAMPS.homestead.com>

Return Address:
Lance Powers
1207 Trinidad Circle
Placentia, CA 92870



AMA 158 – Southern California Antique Model Plane Society – Sam 13

SCAMPS Club Officials

President	Bernie Crowe	(858) 204-7987	bcrowe42@gmail.com
Vice President	Hal Cover	(909) 591-3717	hcover3646@hotmail.com
Treasurer	Lance Powers	(714) 307-3040	lancepr@mac.com
Newsletter Editor	Clint Brooks	(562) 349-2672	scampsedit@yahoo.com
Safety Officer	Randy Wisley	(714) 204-7781	thewrisleys5@aol.com

SCAMPS 2021 Donut Schedule

Mo	Day	Responsibility	Mo	Day	Responsibility
Jan	6	Clint Brooks	July	7	Jack Guiso
Jan	13	Don Chapton	July	14	Brian Sutton
Jan	20	Hal Cover	July	21	Jane Cover
Jan	27	Bernie Crowe	July	28	Pat McMillan
Mo	Day	Responsibility	Mo	Day	Responsibility
Feb	3	Richard Brooks	Aug	4	Ray Peel
Feb	10	Eugene Drake	Aug	11	Randy Wisley
Feb	17	Gary Barton	Aug	18	Fernando Ramos
Feb	24	Jack Guiso	Aug	25	Phil Ronney
Mo	Day	Responsibility	Mo	Day	Responsibility
Mar	3	Brian Sutton	Sep	1	Gary Vogt
Mar	10	Jane Cover	Sep	8	George Walter
Mar	17	Pat McMillan	Sep	15	Linda Wisley
Mar	24	Ray Peel	Sep	22	Roger Willis
Mar	31	Randy Wisley	Sep	29	Clint Brooks
Mo	Day	Responsibility	Mo	Day	Responsibility
Apr	7	Fernando Ramos	Oct	6	Don Chapton
Apr	14	Phil Ronney	Oct	13	Hal Cover
Apr	21	Gary Vogt	Oct	20	Bernie Crowe
Apr	28	George Walter	Oct	27	Richard Brooks
Mo	Day	Responsibility	Mo	Day	Responsibility
May	5	Linda Wisley	Nov	3	Eugene Drake
May	12	Roger Willis	Nov	10	Brian Sutton
May	19	Clint Brooks	Nov	17	Jane Cover
May	26	Don Chapton	Nov	24	Ray Peel
Mo	Day	Responsibility	Mo	Day	Responsibility
June	2	Hal Cover	Dec	1	Bernie Crowe
June	9	Bernie Crowe	Dec	8	Hal Cover 2
June	16	Richard Brooks	Dec	15	Gary Barton
June	23	Eugene Drake	Dec	22	Pat McMillan
June	30	Gary Barton	Dec	29	Ray Peel

No SCAMPS club meeting is scheduled for September as of this newsletter release.

Donut Schedule Coordinator is Jane Cover (909) 851-2075



~Volunteers are responsible to coordinate with other members if they cannot fulfill their commitment~

President's Corner- September 2021

by Bernie Crowe

A few weeks ago we were visited by the Perris Dumper, who strewed several items of trash including a pile of rubble, a rusted exercise machine, a broken bicycle, and lots otherwise unidentifiable pieces of junk along the edge of our flying area.

We considered hiring a commercial trash removal company as we have done in the past and sharing the cost among the various clubs that use the field, but after consideration decided instead to petition the City of Perris to remove the junk via its Public Works Department. I called them and they agreed to open a Work Order to get the job done, but nothing happened. In the meantime Clint Brooks and Richard Brooks of the FAC club consolidated the various bits of trash into a single pile. I contacted Perris again and they said it would be taken care of but again nothing happened. Another call and I was told that because the trash was more than thirty feet from a public highway the complaint would be forwarded to a different department for "code violation compliance." Again nothing. In the end Lance Powers took it upon himself to use his pickup to move everything but the rubble further up the dirt road towards San Jacinto and effectively freed up the flying area. It was also hoped that by removing the trash it would no longer act as a "trash magnet" to other would-be dumpers. Thanks once again to Lance, Clint and Richard for their efforts.



SCAMPS NEWS

By Clint Brooks

I have just returned from my first Northwest Regionals contest at Tangent, Oregon. I have to confess it was one of the best flying sites I've been on, and the contest organization was first rate. The contest started on Friday with several special events conducted; a Vintage FAI slug out and also Master P-30 flown in five rounds.



Weather for the weekend was on the coolish side with daytime highs never going much above 75 degrees. Lift was in abundance all day long each day. An afternoon wind of about eight MPH would come up at 3:30 and last for about an hour in some cases, and fall off to near calm again. Lots of low cumulus on each day with periods of bright blue in between. And, no smoke! On the drive up the smoke was thick all the way from SoCal to just north of Medford. The drive along I-5 north of Redding around Lake Shasta and Dunsmuir you could see the awful damage from the extreme fires of last season. That coupled with the nearly depleted Lake Shasta gave some parts of the view a moonscape effect. Not the beautiful forest and lake waters of the past I was familiar with. However, there is still a lot of green and it went on for miles until you entered the Willamette Valley and the Grass Seed Capital of the World, which is where the contest was held. I am a new fan of this area for free flight contests, and would not hesitate that the trip to attend a contest here is worth the effort.

Care and feeding of your Pyxis tracker

by Bernie Crowe

Once you've used a GPS tracker there's no going back. The hand-held unit points to your plane and tells you exactly how far away it is; if you walk past the plane 'cos it's hidden in the grass, the needle swings around and warns you you've passed it and shows you where it is. They're not cheap, and there's a small weight penalty, especially on small rubber powered planes, but we are finding ways to use them economically in even the smallest of aircraft. And as more and more of us get to use these invaluable devices, we need info to help maintain them and to keep them safely secured to our planes. So here goes:

Batteries:

LiPos have a limited lifetime, and sooner or later you're going to need to replace the one that came with your tracker. What you need is a single-cell 3.7v LiPo so strictly speaking it's a cell, not a battery. Replacements are available through your dealer, or you may want to use one of the many commercially available single-cell LiPos available on the market. Two things you need to know: how to find the right size cell, and how to ensure it's got the right connector. First, the size.

As I searched for alternate cells, I found I could get one that is exactly the same thickness as the Pyxis transmitter, which can be a real convenience when it comes to mounting in the plane. You can also get different capacities in milliampere-hours (mAh). A bigger cell will last longer if your plane

is lost, but you'll pay a weight penalty. A smaller one is lighter and easier to mount, but will run down sooner if lost. So how do you know what you are getting? Most single-cell

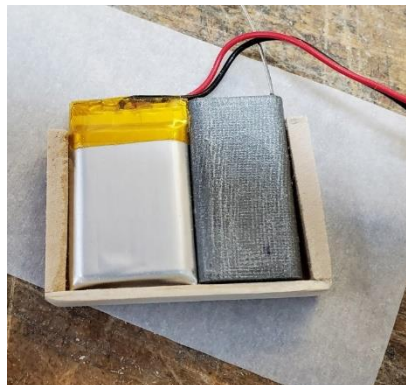


LiPos use a code to describe the size, like 402030; that's 4mm thick, and 20mm wide and 30mm tall. You're Pyxis beacon ("transmitter") is 5.6 mm thick, so if you want to match it pick a cell with a number like "50-xx-xx" or "60-xx-xx". The capacity of the original Pyxis cell is 250mAh, and I'm pretty sure Massimo picked that for a good reason; I always use similar capacity cells. I have bought cells as small as 110mAh and they are real easy to fit in even the smallest rubber model, but I have no idea what the life of this cell is.

Next, the connector. Many, maybe most, of the available cells come with a connector that has pin spacing of 2mm. The Pyxis beacon has a socket with 1.25mm pin spacing, so unless you luck out and find a LiPo cell with this type connector you are going to have to change it. Not a big problem if you can do a simple soldering job, or know someone who can do it for you. Pig-tail cables with the correct plug on the end are readily available from Amazon and other hobby sources; Amazon sells a pack of 25 for seven bucks. Just clip off the larger plug and solder on a new one from the pigtail set, covering the joint with shrink tubing. Keep the overall leads long enough to reach the beacon comfortably, but short enough to stow easily in the mounting area box.

Mounting:

As more of us get to use these invaluable tracking devices we learn more about fitting them to our various models. Putting one on a large gas model is no problem, but as we try to find a spot on smaller gliders and rubber models it becomes more of a challenge. One place many of us need to find a space is on built-up rubber model fuselages, where there is ample space but, the result must avoid damaging the flailing rubber motor, and the box must be a snug fit to avoid any possibility of the tracker falling out in flight. After playing around with several configurations I settled on something like the one shown here. The shell is made from 1/16th sheet balsa and the sides are from 3/16th with the grain running across the plane so that the sides don't split when you push the beacon into the tight space. I sheet the fuselage sides where the box is to be mounted, then glue the whole thing to the inside of the fuselage having cleaned up the edges of the box so the rubber motor isn't damaged. The result is shown in the second picture.



Clint Brooks has used an alternate technique to strap his tracker on top of the wing on his planes.

The secret is to mold a trough out of thin plastic to hold the beacon and the battery snugly inside with the antenna protruding horizontally through a small hole in the end. The flanges on the

molding are used by the wing hold-down bands to secure the unit to the plane. Now, the Pyxis instructions warn that the beacon antenna should be vertical, and this makes sense as the gain of a dipole antenna is essentially zero along the axis of the antenna; so, if the plane lands with the antenna pointing directly at you, the signal strength might be insufficient to operate the system. Nevertheless, Clint's method has been proven to work in practice and has not caused him any problems so far.

Protecting the tracker in use:

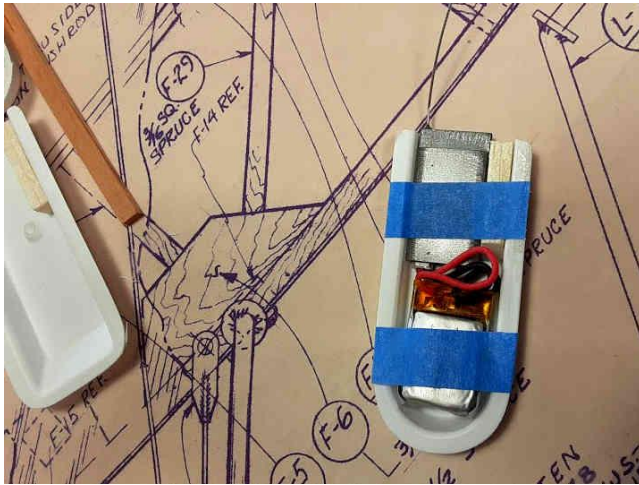
After carrying the Pyxis unit in a plastic baggie for a while, I decided it needed a more durable home. I searched on Amazon for "Small Hard Case with Foam" and found the one called [Smatree Carrying Case Compatible for GoPro Hero 8/7/6/5/4/3+/3/2/1/GOPRO HERO \(2018\)/DJI Osmo Action\(Black & Red\)-Extra-Small](#) shown in the picture below. It is a hard-shell case measuring 7 by 5 by 2.5 inches, and has a foam core filling that allows it to be customized to fit the contents. I cut the foam as shown to snugly secure the tracker, the beacon, two batteries and the charger unit. A zippered pocket in the lid houses the belt-loop soft case.



So, there you have it. Ways to make sure your tracker beacon stays with the plane, with a fresh battery that won't die on you, and a safe home when it's not in use. Hope this helps. Press the "like" button if it did.

A footnote to this well written article. I have been using the molded wing mounted tracker setup on my E-36 models as all available space in the pylon is taken up by other electronic devices. I also have the ability to stow the tracker beacon and lipo inside the pylon of the coupe model I built, and it goes inside the wing of my large electric models with no issue. In practice, I always try to view the

tracker while the model is in flight to confirm it is operable and also note where the model is generally located when it comes back to ground. I do find that once the model is on the ground the beacon often becomes lost to the tracker, but I watched it capture the position before touchdown and trust the compass orientation and distance reading it shows during the lost signal period. Usually, the signal will connect and be lost again as I start the retrieval, and this only serves to update the tracker on location and distance. It always reconnects as you get closer to the model, which is moot as you already have a visual on it in most cases. I suspect this is the effect warned against by the Pyxis instruction, but this has been my experience and I have been lucky with it so far. -ed



Volare prop jig

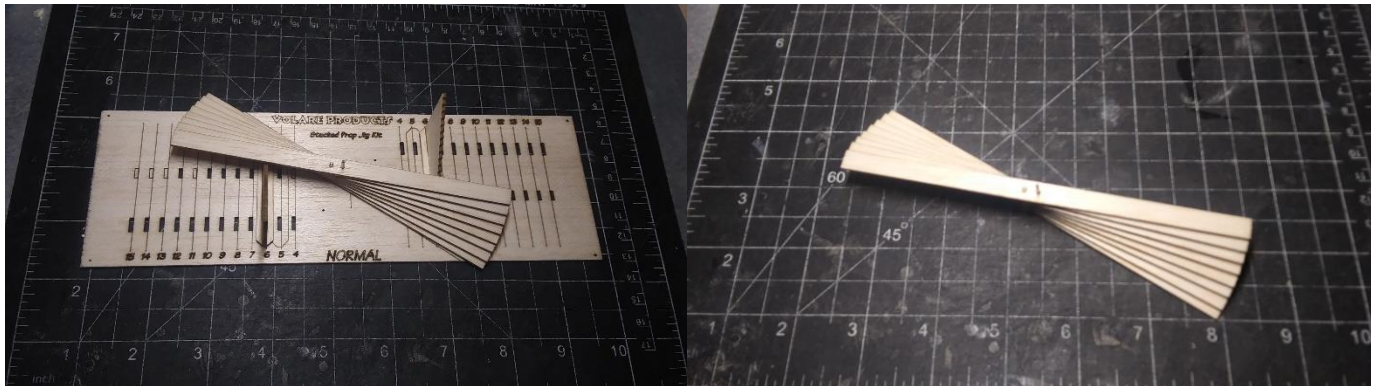
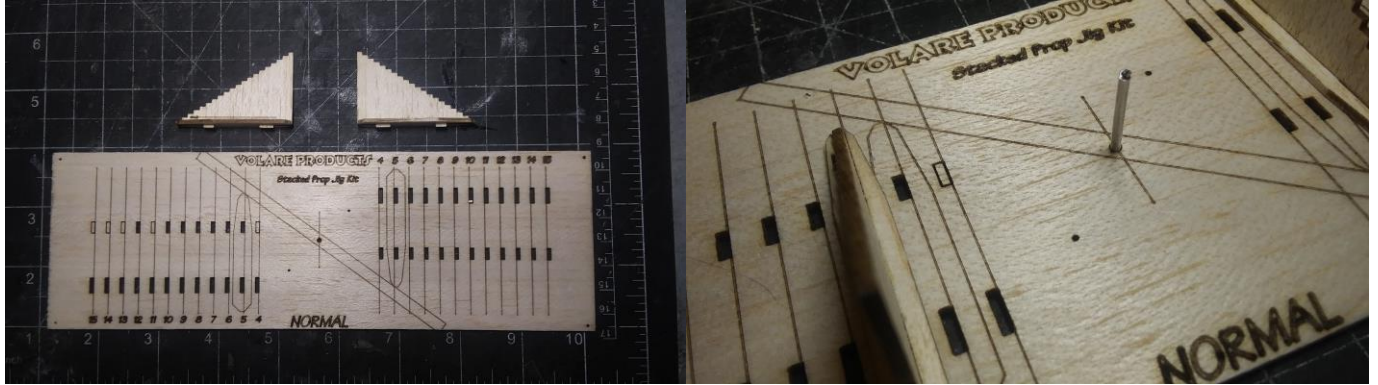
by Randy Wrisley

I purchased one of these gadgets and proceeded to make several props from slats of balsa wood. The prop jig is inexpensive and easy to use. It allows you to select prop pitch, diameter, and direction of rotation. Volare sells the laser cut slats in various diameters from 6 to 11 inches. You can also cut your own slats from 1/16" balsa if you prefer.

To make a prop a 1/16" diameter pin is placed in the center hole. The notched guides are slipped into place in slots at the desired pitch station. The laser cut slats are assembled one on top of the other using the notched guide to ensure symmetry. I ran a bead of thin CA along each seam line to glue the slats together. Next, I removed the prop from the jig and put a bead of thin CA along each seam on the backside of the prop.

To finish the prop sand or carve the excess wood away starting on the rear face of the prop blades and finishing up on the front face. Shape the tips to your liking then thin the hub. Balance your new prop and you're done. Much faster and far less messy than carving a prop from a block! I have installed and flown these props on an Embryo and 2-bit rubber model and am pleased with how they

perform. If you take the time to mark the pitch on each prop you can experiment with different props to optimize performance. Try one I think you will like it!



2021 Free Flight Contest Schedules -Perris/Taibi Site Unless Otherwise Noted

SCAMPS Monthly Club & Sanctioned Contest Schedule 2021 V 1.0					
Mo	Day	Rubber	Power	Electric	CD
Jan	13	P30	AMA Gas & E Combined	F1S (E-36)	B. Crowe
Feb	17	OT Small Rubber (comb)	Nostalgia all Combined	E Nostalgia	C. Brooks
Mar	TBD	SCAMPS 13th Annual Taibi Contest-Perris			cancelled
Mar	17	OT Large Rubber + Bungee-launch glider	Golden Age Small & Large	AMA Electric	B. Crowe
ATTENTION!! The date of the next SCAMPS club contest has been changed to April 28					
Apr	28	P30 + Small Open Rubber (Andrade)	Perris Special, OTSG Sm/Lg	F1S + E20	C. Brooks
Apr	10 & 11	SCAMPS/SCIF Texaco-Lost Hills			D. Heinrich
May	12	Nos Rubber/Nos Wakefield	AMA Gas & E Combined	E Nostalgia	B. Crowe
Jun	16	Gollywock Mass Launch + OT Small Rubber (comb)	Golden Age Small & Large	AMA Electric	L. Powers
Jul	14	Coupe (F1G) + Bungee-launch glider	Perris Special, OTSG Sm/Lg	F1S + E20	B. Crowe
Aug	11	OT Large Rubber (comb)	AMA Gas & E Combined	E Nostalgia	C. Brooks
Sep	TBD	Lotto/Twin Pusher-Perris			H. Cover
Sep	15	Classic Coupe	Golden Age Small & Large	E36	C. Brooks
Oct	13	OT Small Rubber + Bungee-launch glider	Perris Special, OTSG Sm/Lg	E20	B. Crowe
Oct	TBD	SCAMPS/San Valeers Annual??	Lost Hills		
Nov	10	P-30 + Small Open Rubber (Andrade)	AMA Gas & E Combined	E Nostalgia	C. Brooks
Dec	8	OT Large Rubber (comb)	Nostalgia all Combined	AMA Electric	

San Diego Orbiters Monthly Club & Sanctioned Contest Schedule 2021					
Mo	Day	Rubber	Power	HLG/CLG	CD
Jan	24	P-30 (1/31 rain date)	Any-Gas or Electric	Any	Mike Pykelny
Feb	21	Coupe (2/28 rain date)	Any-Gas or Electric	Any	Mike Pykelny
Mar	21	OT/Nostalgia rubber (3/28 rain date)	Any-Gas or Electric	Any	Mike Pykelny
Apr	18	P-30 Oldenkamp Mem. (4/25 rain date)	Any-Gas or Electric	Any	Mike Pykelny
May	30	Coupe	Any-Gas or Electric	Any	Mike Pykelny
June	13	OT/Nostalgia rubber (6/27 rain date)	Any-Gas or Electric	Any	Mike Pykelny
July		Fun Fly- no contest planned			
Aug		Fun Fly- no contest planned			
Sep	4 & 5	Scale Staffel			John Hutchison
Sep	19	P-30 (9/26 rain date)	Any-Gas or Electric	Any	Mike Pykelny
Oct	17	Coupe (10/24 rain date)	Any-Gas or Electric	Any	Mike Pykelny
Nov	13 & 14	SDO/FGMC FF Bonanza-Lost Hills			Don Bartick
Nov	21	OT/Nostalgia rubber (11/28 rain date)	Any-Gas or Electric	Any	Mike Pykelny
Dec	19	Make-up events (12/26 rain date)	Any-Gas or Electric	Any	Mike Pykelny



Note to guests interested in observing or flying free flight models at Perris:

The usual time to catch us in the act is in the morning. Most Saturday mornings are when people come out to test fly or tune up their models and skills, and just have a good time. You can observe the Southern California Aero Team (SCAT) FAI rubber and glider flyers along with with others flying a range of model types-mostly endurance rubber powered and electric or gas powered. Scale free flight models are flown when the San Diego Scale Staffel has their FAC contests-check their website for schedules. These are typically conducted over two day periods to get in all the event categories normally flown. Flying usually starts 7-ish and ends late morning depending on winds. There is a larger group that flies on Wednesday as well if you would rather make a mid-week trip. Come join us-see the map above for an idea on directions-it's on the east side of the 215 freeway, off San Jacinto Ave.-there is a dirt road entrance on the right.

**FLYING
ACES**

Squadron 41

San Diego



Scale Staffel

September 2021 - Outdoor Flying Contest

Saturday and Sunday, September 4-5, 2021

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 2021 Grand Champion. The trophy will be presented on Sunday, Sept 5.

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

FAC Single Model Events

Fly any event on either day or on both days.

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

*(Dime Scale and Simplified Scale will be judged on the field)

7. Embryo Endurance (ROG)
8. FAC Rubber Scale / 2x Peanut Walt
Mooney Combined (*Special award for 2x Peanut Walt Mooney entries*)

Mass Launch Events will use the "Delayed Launch"

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.

DUAL-CLUBS FREE FLIGHT BONANZA

A National Cup Points Event

**SAN DIEGO ORBITEERS 62nd ANNUAL - CLASS AA, CATEGORY 2
SPONSOR OF AMA & FAI EVENTS**

*

**FRESNO GAS MODEL CLUB 81st ANNUAL – CLASS AA, CATEGORY 2
SPONSOR OF NOSTALGIA, TEXACO & OLD TIME EVENTS**

*** November 13th & 14th, 2021 ***
*** 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

A GAS
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
¼ A NOSTALGIA
A NOSTALGIA
B NOSTALGIA
C NOSTALGIA
EARLY ¼ A NOSTALGIA

.020 REPLICA
A PYLON
B-C PYLON
A FUSELAGE
B-C FUSELAGE
RUB/WAKEFIELD NOS
CLASSIC TOWLINE
¼ A CLASSIC POWER
¼ A GOLDEN AGE
E NOSTALGIA 1/2A/A (COMB)

1/2A GAS(1)
B GAS
A/B ELECTRIC (COMB)
HAND LAUNCH GLIDER (1)
VINTAGE WAKEFIELD
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 aronutd@cs.com)*

CASH AWARD FOR 1st PLACE with 3 or more entries. PLACARDS awarded to 1st, 2nd & 3rd place
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

CD: Don Bartick, - San Diego Orbiteers
(858)774-2941
dbartick@4-worlddesign.com

For Information Contact:

Nos,OT,: Doss Porter, Fresno GMC
559-251-0787
Steve93612@comcast.net

**SAN VALEERS 33rd ALL NOSTALGIA ANNUAL
LOST HILLS, CALIFORNIA* OCTOBER 23-24, 2021
CAT 2– 3 MIN. MAX
AMA SANCTION 11804**

C.D. Terry Thorkildsen 805/495-6135

**. THIS IS A NFFS NATIONAL CUP CONTEST
(Combined with old timer SCAMPS Contest Same Weekend)
SCAMPS contact D. Heinrich (909) 593-5789**

<u>SATURDAY</u>	<u>SUNDAY</u>	<u>BOTH DAYS (must finish same day)</u>
7:00AM – 4:30PM	7:00AM - 3PM	
1/4 A NOSTALGIA	A NOSTALGIA	NOSTALGIA CABIN combined Any cabin design & engine size including Payload (dummy optional) Must Have Front Windshield
1/2 A NOSTALGIA	B NOSTALGIA	1/2 A EARLY NOSTALGIA
C NOSTALGIA	Vintage FAI (rules per NFFS 2015/2016)	COMBINED NOST RUBBER
NOSTALGIA Plus GLIDER (A1/A2)		COMBINED ONE DESIGN GAS MODELS(New & previous eligible Designs)
Proxy Towing ok if physically required		

****Veco .19** to be awarded by Raffle (1 ticket for each event entered or \$3 ea, or \$5 for 2, or \$10 for 5)**

EVENT PRIZES: MERCHANDISE * ENGINES*KITS*BALSA*ETC.

ALL MODELS MAY BE CHECKED AND WEIGHED LESS FUEL, BEFORE FIRST FLIGHT

COMB NOST RUBBER: Designs from 1943-1956, Maxes: 2 min, 3 min, 4 min, & all flyoff flights 4 min max

ENGINE RUNS ALL NOSTALGIA EVENTS & 1 DESIGN: First 3 Flights 10 Seconds HL 13 sec VTO, all Flyoff Flights will be 7 Secs HL and 9 secs VTO, all other rules per NFFS Rulebook 2015-2016 for CAT 2. (see NFFS 2015/2016 for vintage FAI rules)

NFFS RULES LIST NO. 2015-2016 NO RE-ENTRY.

Entry fees: Registration \$5.00, SR. & OPEN: \$5.00 per event or \$35 unlimited entry, JR's: \$3.00 All EVENTS ARE JSO