



# Phoenix Model Airplane Club

HAVING FUN WITH MODEL AIRPLANES SINCE 1934 Vol-28 No 6 Jun 2023



**COVER:** New flyer Cole Edenholve practicing launches with a tip launch glider. Photo by Robert Donnelly



Time for the “hide from the heat” time of year here in the Arizona desert, which means official flying and newsletter publication is suspended until cooler weather returns. I have high hopes that this summer I may actually build some new models, based upon the fact that I have been slowly but surely turning my shop into a safe and spacious workspace. If I begin to use some of the new “dope” that has minimal odor I might not catch a bunch of heat from my wife for smelling up the house. The is hope on the horizon. Have a safe and healthy summer. the editor

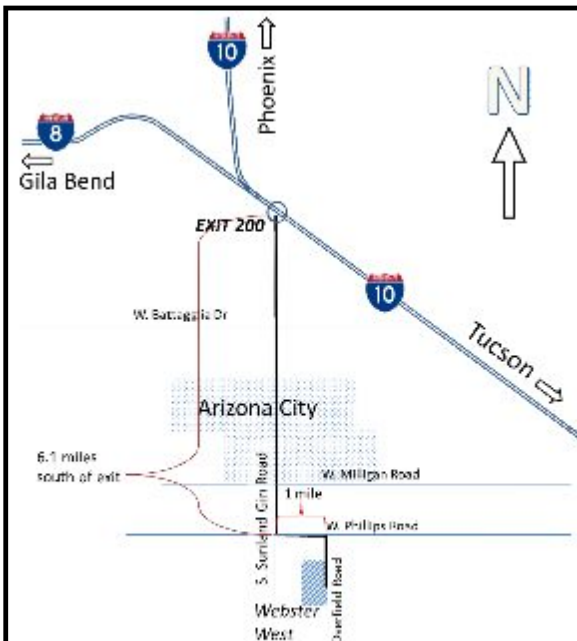
Contributing photographers, **TG** - Tom Gaylor, **BB** - Brigitte Brocks, **RD** - Robert Donnelly, **RA** - Rich Adams

### 2023 PMAC Officers

President: Tom Gaylor ----- wtgaylor1@gmail.com (480) 892-0388  
 Vice President: Peter Brocks --- brockarizona@cox.net (480) 614-6183  
 Secretary: Rich Adams ----- richard@texasadams.com (817) 676-2166  
 Treasurer: Robert Donnelly ---- offthegridsolutions@gmail.com (623) 377-6632  
 Safety Officer: Rich Adams ----- richard@texasadams.com (817) 676-2166  
 Newsletter editor ----- Bruce Grawburg bgfalcon89@cox.net  
 Webmaster ----- Alan Peterson alan@apetersenpaintings.com

**Next Eloy Contest — Sep 17, 2023**

**Contest Start Time: 7:30 am**



**Note:** Motor homes and other long wheelbase vehicles should turn left (east) onto W. Phillips Road then right (south) onto Overfield Road. Please limit speed on these dirt roads to minimize dust impact to our field neighbors.



# Safety



## Heat Illness Prevention

### Caution Flags.

These should be obvious. Be alert to these warning signals:

- Environmental temperature s greater that 90 F (inhibit normal transfer of excess body heat).
- Humidity greater than 60% (impedes evaporation of sweat and its related cooling effect).
- Poor conditioning and acclimatization.
- Occlusive clothing that insulates the body and impedes sweat evaporation.
- Pre-existing dehydration due to low fluid intake or medication.
- Diuretics leading to depleted body water (this doesn't imply discontinuing diuretics.)
- Overly strenuous physical activity (most are aware of this but tend to push on).

**Summary.** Common sense and good judgment are key words to prevention of heat illness. Observe the following rules, on and off the flying field:

- Heat-related illnesses usually occur on the first day or two of a heat wave or extended outing before acclimatization has occurred.
  - Know your physical limits-function with them.
- Drink more than adequate fluids, regularly and throughout the day.
- Model retrieval chases should be motorized, not on foot or alone, if at all possible.
- Ingest fluids freely while on chases.
- Use cell phones or 2-way radios to maintain communications with someone at the launch site; make certain others are aware of your location.
- Stay out of the sun when possible.

**[Warning Signal:** When you are in the summer heat, keep a check on how often you are feeling the call of nature. If you go more than a couple of hours, you are likely behind on your water intake.-Ed.]



# Prez Speaks



PMAC's fall flying season begins on September 17th, with hopefully cooler weather. George Morris will be the CD. Over the summer I have several kits I plan to build, I hope you do too. If you are tired of D gas, remember we are now flying FAC events. There will be many FAC events flown in our December and January contests. Don't forget the October WESTFAC contest; see the newsletter for details. Kevin McCue had a beautiful Bellanca Junior at the last contest and it flew extremely well for such a small model. I remember building one when I was eleven. Mine did not look nearly as nice as Kevin's as I could afford only 15 cents; 10 cents for the kit and 5 cents for a tube of glue! I did not fly my Phantom Flash at the Dome as test flights at home showed it flew very poorly. I discovered it had a cracked spar at the wing mount, not obvious until stress was put on it. I fixed this but the wing had a warp I could not get out. It was covered with pre-shrunk tissue that had been lightly doped. I discovered (on other models as well) that dope continues to shrink long after applied. I made a new wing, attached tissue to a frame and pre-shrunk it twice. Shig Saimo had sent me ads for Eze Dope and the maker claimed it was stable when dry. I re-shrunk the tissue with a 5% solution of Eze Dope and water. The dried tissue looks great. We will see how it turns out. Since Eze Dope is water-based I would be hesitant to try it on small models without pre-shrinking but on larger models with stronger frames the tissue can be applied wet with dilute Eze Dope and then coated with a stronger mix. When dry it is fuel proof. It will be interesting to see how it works.

Tom



<https://deluxematerials.co.uk/>

## 2023 Jim Richmond Open, West Baden, IN (April 1-3, 2023)

27 Entries

201 - HL Stick				217 - F1L			
Don Slusarczyk	14:41			Larry Loucka	15:08	17:15	32:23
John Kagan	9:27			John Kagan	15:33	13:06	28:39
				Al Stone	11:27	7:10	18:37
202 - Int Stick				220 - Mini-Stick			
Don Slusarczyk	17:09			Tom Sova	11:15		
				Nick Ray	11:08		
203 - F1D				222 - A-6			
Kang Lee	26:18	25:28	51:46	Hamish Christie	10:12	Record	★
Brett Sanborn	25:29	25:34	51:03	Tom Sova	9:38		
John Kagan	23:08	24:43	47:51	Bill Gowen	9:21		
Steve Fujikawa	22:35	23:06	45:41	Rey Mazzocco	9:01		
Don Slusarczyk	20:07	21:24	41:31	Al Stone	4:45		
Karen Khanagov	19:29	21:58	41:27	224 - F1R			
Leo Pilachowski	20:11	20:35	40:46	Nick Ray	24:46	27:06	51:52
Tom Sova	13:47	17:09	30:56	Al Stone	5:46	8:40	14:26
				Joe Bartek	:48		:48
206 - EZB				227 - P-18			
Don Slusarczyk	16:43			John Kagan	4:11		
				Hamish Christie	4:07		
208 - LPP				221 - FF Electric Power			
Tom Sova	11:44			Ray Harlan	33:19	Record	
Jeff Annis	11:35						
Bill Gowen	10:55						
Al Stone	10:17						
David Duff	8:10						
Greg Helton	7:30						
Robbie Massey	5:15						
Joe Bartek	1:16						



# Congratulations Hamish



# Armed Forces Day



Morning and a good Memorial Day Weekend!

Our Armed Forces Day monthly contest went off well. The weather was perfect for free flight flying with temperate morning conditions warming up throughout the day. Nine flyers participated and put up some great flying. Ray Kostuk flew his towed scale glider although I missed every flight. George Morris put up some nice flying in power and P-30 and Kevin McCue did well overall. His P-30 tried to escape after the wing didn't DT and with only the tail popped it still flew in a powerful thermal. He gave chase and I lost it at eight minutes and change while tracking with binoculars. After fifteen minutes he rolled back to base with his model. He timed it for eleven and a half minutes or more. Tom Gaylor, Kevin McCue and I flew in FAC Embryo and Kevin took the win for another Kanone. We folded up camp around 2 pm when the heat started affecting people. A few of us stayed on to finish a few more flights.

Rich

max

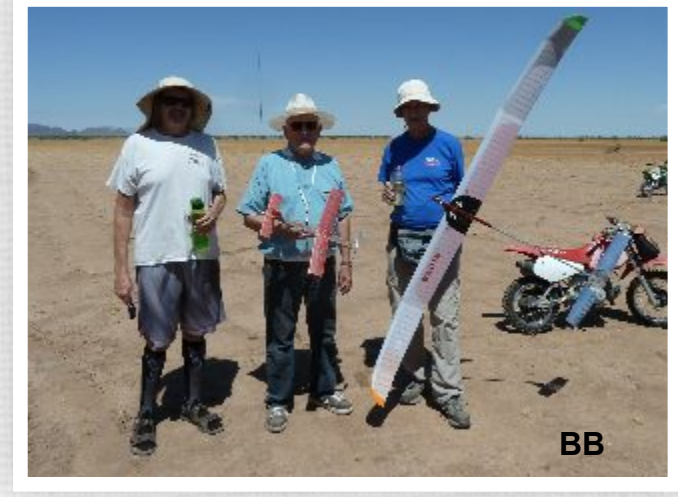
\* TopGun score may show zero if the event was not among the first four events flown of the applicable discipline. Club FAI scores are at 60% for first five flights.

May 2023 contest results		Flight Time (seconds)							Club Category Score	Club Topgun Score	
Contestant Name	Event	Flt 1	Flt 2	Flt 3	Flt 4	Flt 5	FO 1	Total			
<b>2 minute combo</b>											
George Morris	P-30	120	120	120					360	3.00	3.00
Kevin McCue	P-30	120	120	87					327	2.73	2.73
Rich Adams	P-30	87	105	120					312	2.60	2.60
Jim Kruse	P-30	90	91	109					290	2.42	2.42
Kevin McCue	Embyro	109	75	73					257	2.14	2.14
Tom Gaylor	Embyro	60	52	43					155	1.29	1.29
Tom Gaylor	P-30	95							95	0.79	0.79
Ray Kostuk	FAC Scale Glider	33	21	11					65	0.54	0.54
<b>Catapult/ HL Glider Combo</b>											
Ray Kostuk	CLG	61	34	33					128	1.42	1.42
<b>3 min FAI combo</b>											
George Morris	F1A	180	180	120		180			660	2.20	2.20
Peter Brocks	F1A	60	60	97	180	180			577	1.92	1.92
<b>3 min Rubber/Glider Combo</b>											
Shig Saimo	Small Cabin	53	82	176					311	1.73	1.73
Rich Adams	Large Stick	167							167	0.93	0.93
Shig Saimo	Small Stick	37	31						68	0.38	0.38
<b>AMA/classic Gas</b>											
George Morris	C/D Classic	180	180	163					523	2.91	2.91
Robert Donnelly	AMA B Pwr	150	180	180					510	2.83	2.83
George Morris	AMA C Pwr	180	180	146					506	2.81	2.81
<b>Electric</b>											
Cole Edholm	E-36	120	120	120	120	66			546	4.55	4.55
<b>Nostalgia Gas / OT Gas Combo</b>											
Shig Saimo	A Nos	35	45	82					162	0.90	0.90
Shig Saimo	Early 1/2A Nos	17	18	29					64	0.36	0.36



# Armed Forces Day

## Contest Photos





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## Contest Photos





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# Armed Forces Day



## 2023 PMAC Topgun Champion Standings

no dropped contest	Feb	Mar	Apr	May	Total
<b>George Morris</b>		16.33	14.76	10.92	42.01
Robert Donnelly		13.00	8.49	2.83	24.32
Allan Mecham		10.72	6.00		16.72
Charlie Morris			15.65		15.65
Rich Adams		3.68	5.08	3.53	12.29
Tom Gaylor	2.92	1.73	2.86	2.08	9.59
Jim Kruse	4.12	2.48		2.42	9.02
Peter Brocks		4.71		1.92	6.63
Shig Saimo			2.98	3.37	6.35
Kevin McCue				4.87	4.87
Mike Bower			4.69		4.69
Cole Edenholt				4.55	4.55
Ray Kostuk		0.76	1.64	1.96	4.36
Bruce Grawburg	1.49	1.47	1.21		4.17
Myra Morris			2.39		2.39
Jennifer Donnelly		2.38			2.38

## 2023 PMAC Category Champion Standings

no dropped contest	Feb	Mar	Apr	May	Total
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### 2 minute Combo

Tom Gaylor	1.93	1.73	2.86	2.08	8.60
George Morris		2.58	3.00	3.00	8.58
Jim Kruse	1.42	2.48		2.42	6.32
Kevin McCue				4.87	4.87
Mike Bower			4.69		4.69
Rich Adams			2.08	2.60	4.68
Peter Brocks		2.91			2.91

### Catapult/ HL Glider Combo

George Morris		2.46	4.76		7.22
Charlie Morris			2.77		2.77
Bruce Grawburg	1.49		1.21		2.70
Ray Kostuk		0.76	0.41	1.42	2.59
Robert Donnelly			2.52		2.52
Myra Morris			2.39		2.39

### 3 min FAI Combo

George Morris			3.00	2.20	5.20
Peter Brocks		1.80		1.92	3.72
Jennifer Donnelly		2.38			2.38

### 3 min Rubber/Glider Combo

Shig Saimo			3.58	2.11	5.69
Rich Adams		1.34	3.00	0.93	5.27
Bruce Grawburg		1.47			1.47
Ray Kostuk			1.23		1.23

### AMA/classic Gas

George Morris			4.00	5.72	9.72
Robert Donnelly			2.28	2.83	5.11
Jim Kruse	2.70				2.70
Tom Gaylor	0.99				0.99

### Electric

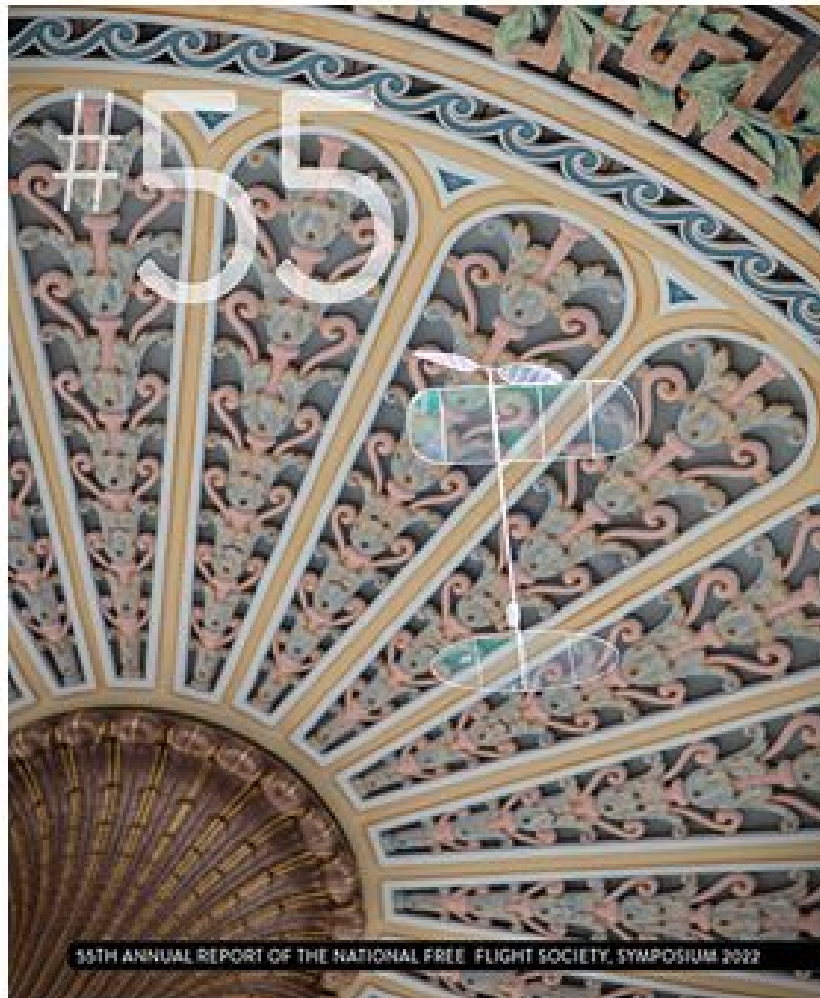
Allan Mecham		10.71	6.00		16.71
Robert Donnelly		13.00	3.69		16.69
Charlie Morris			12.88		12.88
George Morris		11.29			11.29
Cole Edenholt				4.55	4.55
Rich Adams		2.34			2.34

### Nostalgia Gas / OT Gas Combo

Shig Saimo				1.26	1.26
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## Calling 2023 Sympo Patrons!



Work on the 56th Annual Symposium is underway and this year's editor, Bill Kuhl, has many exciting papers lined up, including:

- *3d Printing Propellers*, by Paul Bradley
- *Comparing the Torsional Stiffness of Various Types of Wing Construction*, by Harry Grogan
- *Testing F1B Motors - a Companion to the Winding Article in the '22 Sympo*, by Aram Schlossberg
- *New Airfoils for F1A Models*, by Brian Eggleston
- *"SwampWurkz" P30 With Rotating Wing DT*, by Ross Jahnke
- *Review of BMK Beacon Locator and The Menanno Faceplate Review*, by Bill Kuhl
- Plus Much More..!

# WESTFAC 9 2023



## WESTFAC 9 2023 Schedule of Events revh

Thurs. 26 October, 1 pm -5 pm

Registration and FAC scale judging  
vendors and refreshments

Fri. 27 October, 8 am - 5 pm

### Mass Launch Events

9:00 WW1  
11:00 Greve/Thompson Trophy

Sat. 28 October, 8 am - 5 pm

### Mass Launch Events

9:00 WW2  
11:00 Goodyear Racers\*

Sun. 29 October, 8 am - 3:30 pm

### Mass Launch Events

9:00 Post-War Unlimited Racers\*  
11:00 Flying Horde NBM  
3:00 B.L.U.R. Race

The Following Events Can Be Flown On Friday Or Saturday

### TOTF Scale Events

WW1 Aircraft  
Double Trouble  
Golden Age Monoplane/Biplane Combined  
WW2 Aircraft  
Simplified Scale  
Dime Scale  
Goodyear Racers\*

### TOTF Non-Scale Events

OT Rubber Stick  
Jimmy Allen & 2-Bit +1 Combined (ROG)  
Jimmy Allen & 2-Bit+1 Combined(ROG) NBM  
Embryo (ROG)  
Embryo (ROG) NBM

### Judged Scale Events

FAC Peanut Scale  
FAC Jumbo Scale  
FAC Rubber Scale

### TOTF Scale Events

Post-War Unlimited Racers\*  
Modern Military  
Modern Civilian

### TOTF Non-Scale Events

OT Rubber Fuselage (ROG)

### Judged Scale Events

FAC Power Scale  
FAC Jet Catapult

Awards Ceremony on the field,  
at the completion of the  
B.L.U.R. race

Informal dinner at local restaurant,  
self-pay.  
Time and place TBD.

### General Contest Notes

For Mass Launch events, depending upon the drift, a delayed launch procedure may be used to reduce chase times.

\* Special racing events - no wingpan restrictions

Note: If 3 or more flyers have a class of models not shown on the event schedule, check with the CD to see if a special event can be arranged.

Once again, arrangements have been made with the Comfort Suites Hotel in Goodyear for a special room rate of \$109/night.

Call (520) 257-3134, and ask for the Flying Aces Club rate.

Comfort Suites Hotel

15775 West Roosevelt, Goodyear AZ 85338. (520) 257-3134



Hello Flyers,  
WESTFAC 2023 is officially on and the staff is planning a great event for us all. Attached is a rough copy of the events for your shrewd planning and building for this winter....which is almost half over, too. The theme will be "**Unlimited Racers**" which will cover anything that raced at Reno as well as the unlimited cross country attempts post-war. This includes the Goodyear racers as well as any machines that were built for the races but never made it to the starting line (the Pond Racer comes to mind). Everybody has a WWII fighter or a T-6 hanging from the ceiling. Dust off that old warhorse, recover it with some new tissue, and decorate it up, and trim it this spring. Don't let the complexity of the paint schemes scare you off as the TOTF event will accept anything that looks close....or even semi-close. There also is a lot of schemes are pretty simple too. Just cruise the internet for some examples. We will have one Mass Launch and one TOTF for the Unlimiteds and the rest of the events are the old favorites. Note that the first two days are open flying for a lot of events and the third day is restricted to a few.

I'd like to personally thank Rich Adams for the fabulous job he has done for years on the website. It is really first class however, he is taking a break and stepping down from the job. As a result, we have a crying need for a new webmaster. Anyone who could volunteer to take over this job would be greatly appreciated and Rich will gladly help the new guy get up to speed on the mechanics of it. Please contact me ASAP as we need to get some items up on the site very soon.

More info to come, but in the meantime keep building them little airplanes.

Here's some candidates:

<http://taichi56jp.g1.xrea.com/?fbclid=IwAR1SAuReHKr1KBIMeCLaL4UVlHgTjz-SK1o1u1n5Rq9O7QJzWemVzj6kE2U#Others>

Yours,

Tom Arnold

WESTFAC CAG

# 2023 Contest Schedules

## South West Regionals January 14-16 2023 Eloy, Arizona

rev C 3/21/2023

### 2023 PMAC Outdoor Contest Schedule Eloy AZ

#### Webster West Field

#### Start Time

May, Sept: 7:30 am  
All others: 8:00 am

	2023 PMAC Outdoor Contest Schedule Eloy AZ								Round Valley Indoor Contest		
	Webster West Field										
	Nat'l Cup	Nat'l Cup	Nat'l Cup	Nat'l Cup	Nat'l Cup	Nat'l Cup	Nat'l Cup	America & National Cup			
	President's Cup	St Patty's Bash	I-10 Challenge	Armed Forces Day	Fall Kick-off	Ghost Riders	Armed Forces Memorial	Arizona Free Flight Championships			
Sun	Sat	Sun	Sat	Sun	Sat	Sun	Sat	Sun	Fri	Sat	Sun
Feb 19	Mar 18	Apr 16	May 20	Sep 17	Oct 14	Nov 12	Dec 2	Dec 3	Apr 21	Apr 22	Apr 23
<b>GAS/ELECTRIC EVENTS</b>											
AMA 1/2 A GAS	(Jr) (SA)	(Jr) (SA)	(Jr) (SA)	(Jr) (SA)	(Jr) (SA)	(Jr) (SA)	(Jr) (SA)	(Jr) (SA)			
AMA A/B GAS	X	X	X	X	X	X	X		A	B	
AMA C/D GAS	X	X	X	X	X	X	X		D	C	
AMA Classic 1/2A Gas	(Jr) (SA)	(Jr) (SA)	(Jr) (SA)	(Jr) (SA)	(Jr) (SA)	(Jr) (SA)	(Jr) (SA)			(Jr) (SA)*	
AMA Classic AB Combo	X	X	X	X	X	X	X		AB		
AMA Classic CD Combo	X	X	X	X	X	X	X			CD	
NOS 1/4 A	X	X	X	X	X	X	X		X		
NOS 1/2 A GAS	X	X	X	X	X	X	X			X	
NOS A GAS	X	X	X	X	X	X	X		X		
NOS B/C GAS Combo	X	X	X	X	X	X	X		C	B	
NOS Early 1/2 A Gas	X	X	X	X	X	X	X			X	
OT .020 REPLICAS	X	X	X	X	X	X	X		X		
OT GAS COMBO	X	X	X	X	X	X	X			X	
ELECTRIC AB COMBO	X	X	X	X	X	X	X		Elec-A	Elec-B	
ELECTRIC 36 / 20 Combo	X	X	X	X	X	X	X		E-36	E-20	
<b>Rubber Events</b>											
P-30	(Jr) (SA)	(Jr) (SA)	(Jr) (SA)	(Jr) (SA)	(Jr) (SA)	(Jr) (SA)	(Jr) (SA)		X		
NOS RUB, Lg & Sm Combo	X	X	X	X	X	X	X		Nos Rub Sm	Nos Rub Lg	
OT Fus Combo Rubber	X	X	X	X	X	X	X		X		
OT Stick Combo Rubber	X	X	X	X	X	X	X			X	
Mulvihill / Andrade Combo	X	X	X	X	X	X	X			X	
Moffet	X	X	X	X	X	X	X		X		
<b>FAI Events</b>											
F1A/F1B/F1C/F1P/F1Q Combo	X	X	X	X	X	X	X		F1A,B,C,P,Q		
F1G/F1H/F1J/F1S Combo	X	X	X	X	X	X	X			F1G,H,J,S	
Vintage FAI Power	X	X	X	X	X	X	X		X		
<b>GLIDER EVENTS</b>											
H. L. GLIDER	(Jr) (SA)	(Jr) (SA)	(Jr) (SA)	(Jr) (SA)	(Jr) (SA)	(Jr) (SA)	(Jr) (SA)		(Jr) (SA)		
CAT GLIDER	(Jr) (SA)	(Jr) (SA)	(Jr) (SA)	(Jr) (SA)	(Jr) (SA)	(Jr) (SA)	(Jr) (SA)			(Jr) (SA)	
CLASSIC GLIDER	(Jr) (SA)	(Jr) (SA)	(Jr) (SA)	(Jr) (SA)	(Jr) (SA)	(Jr) (SA)	(Jr) (SA)			(Jr) (SA)	
<b>FAC Events</b>											
Embryo	X	X	X	X	X	X	X		X		
Jimmy Allen / 2 Bit + 1 combo	X	X	X	X	X	X	X		X		
OT rubber stick/fus Combo	X	X	X	X	X	X	X		X		
FAC 1/2 Wakefield	X	X	X	X	X	X	X		X		
Jet Catapult	X	X	X	X	X	X	X			X	
<b>Contest Directors</b>											
	Bow er	G.Morris	Donnelly	R. Adams	G.Morris				Brocks & Gaylor		Gaylor
<b>Contest Classification</b>											
	A	A	A	A	A	A	A		AA	AA	A

P  
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**Events Either Day**  
F1D, F1L, F1M, F1R  
Open Penny Plane  
Un Penny Plane,  
EZB,  
A6, Ministick, HLG,  
Cat Glider, Un Cat,  
P-18, Dime Scale,  
FAC Nocal Mass  
Launch

**MONDAY 4/24/2023**  
Student Build and Fly  
Mountain Lions

Note: All one day contests will be flown in combined categories. Anything you bring to the field can be flown in one of 7 categories

\*For national cup points, junior AMA & Classic 1/2A Gas are combined

Contest End times May & Sept = 2:00 pm

CD's should pick a date, first come, first serve. Review for conflicts with other contests.





# KEARSKUSTOMHOBBY

## "TEAM SATELLITE"

Ken & Mary Kear



Email: kearskustomhobby@yahoo.com

Phone: (H) 480-854-3163 MST

As you probably know we are manufacturing the Satellite free flight model in all sizes.

We are also in the process of stocking balsa, aircraft plywood, some specialty hard woods and exclusively Satellite City CA glue products.

We consider ourselves a specialty mail-order shop.



## September 2023

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17 <b>Eloy Contest</b>	18	19	20	21	22	23
24	25	26	27	28	29	30