Phoenix Model Airplane Club

HAVING FUN WITH MODEL AIRPLANES SINCE 1934 Vol-27 No 5 May 2022



Results

COVER: One of the many indoor models flying at the Round Valley Dome contest hosted by the Phoenix Model Airplane Club. Check the event photos for more coverage. Next month's newsletter will cover the indoor NATS.



Another year of very happy kids at the Round Valley Dome learning to build and fly. John McGrath's "Mountain Lion" design proved itself once again. The build process was moving calmly until the first model flew gracefully over their heads, then there was a quantum leap in enthusiasm the get their model in the air. Wonderful! I'm doing computer score keeping at the indoor NATS again this year, and I am hoping my spreadsheet redesign helps make it more useful to every one. We will have an online scoring status to help keep people not able to attend remain reasonably up to date. I'll also try and get some photographs shared. The June newsletter will contain a full report. The editor

Contributing photographers, **TG** - Tom Gaylor, **BB** - Brigitte Brocks, **RD** - Robert Donnelly, unlabeled - the editor

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Next Eloy Contest — May 21 2022

Contest Start Time: 7:30 am







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.]

Dr. Bob Perkins, Columbus OH, Chair NFFS Competitions Committee

Prez Speaks

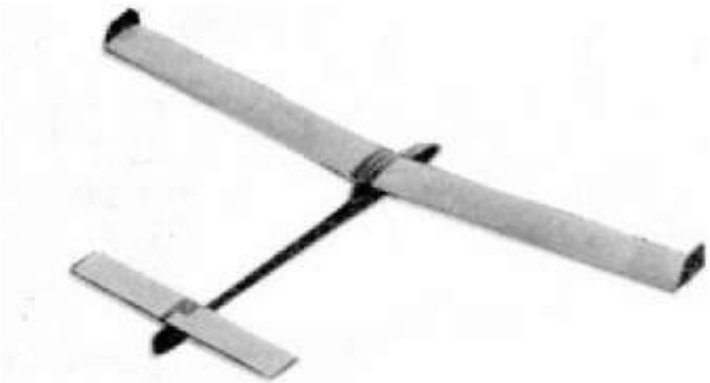


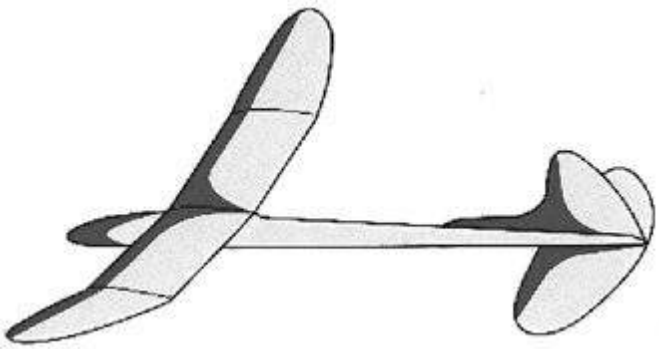
PMAC hosted a successful indoor contest at the Round Valley Dome in Eagar, AZ. Attendance was down due to the higher costs of transportation, but we still had a good showing. We are not yet sure how these higher costs of transportation will affect the preregistrations for the Indoor Nationals at the Dome which will be held the last full week in May. As of now, Len Surtees, a well known Australian glider flyer and designer is planning to attend, as well as many of the regular attendees.

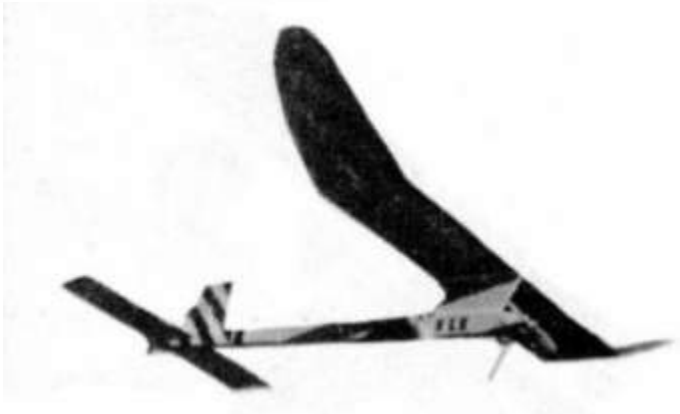
I have received two phone calls from Elmer Nelson, who sound like his old self. He is still recovering from his fall but it will be a long recovery. I received a text from his son Scott, who says Elmer is improving a little each day and he is a lot stronger than when he was brought home from rehab. His old friends are welcome to call him.

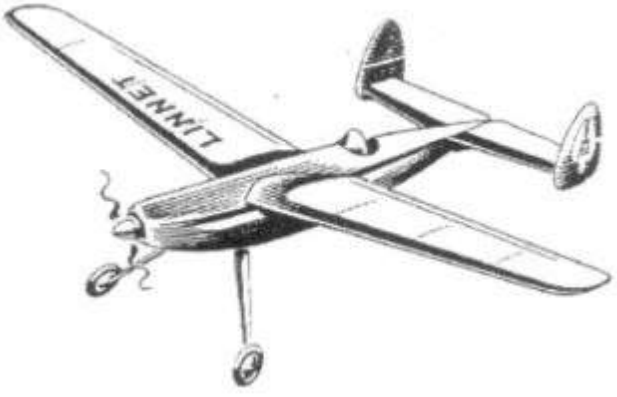
Our next contest will the “Armed Forces Day” contest on Saturday, May 21st. Robert Donnelly will be the CD. Be sure to read the hot weather tips in this newsletter. Be there!

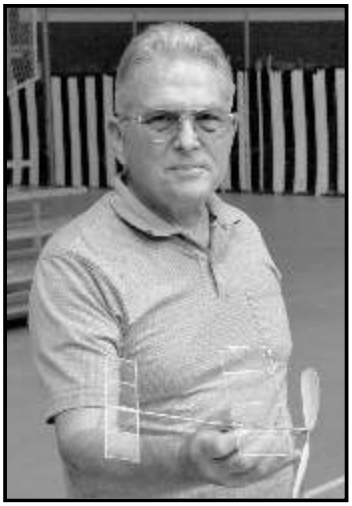
Tom











Contest Director's View

Round Valley Dome Indoor CD report

This year's indoor contest at the Round Valley Dome in Eagar, AZ was an event enjoyed by all the participants and spectators. We had 17 contestants from AZ, IL, TX, NM, CA, and CO. Friday was a practice day to trim for the Dome, Saturday and Sunday were contest days. Several records were set during this contest. Odessa Wignall, a junior from Albuquerque, NM set three indoor records for F1M, Limited Pennyplane and Open Pennyplane. Anjulie Sorbello, a senior from Albuquerque, set an indoor record for F1M. Hamish Christie set a new site record for A6 of 9:22, and Mike Fedor set a new site record for ROG Stick of 8:24. On Monday, twenty middle school science students, assisted by instructors from the Phoenix Model Airplane Club and the Colorado Magnificent Mountain Men Club, built "Mountain Lions MK IIIs", an easy to build rubber model manufactured by Laser Cut Planes. After the students finished building their planes, the instructors taught the students how to wind and trim their "Mountain Lions" with an emphasis on the aerodynamics involved. After the planes were fully trimmed, a mass launch was conducted. The school principal also build a "Mountain Lion" which flew very well! After the mass launch, each student received an "AMA Alpha" model. Results will be posted on freeflight.org and in this newsletter..

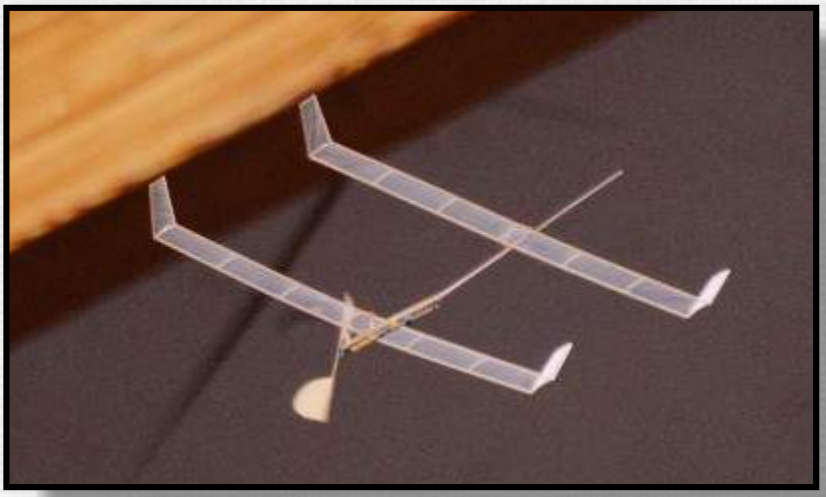
Tom



Round Valley Dome





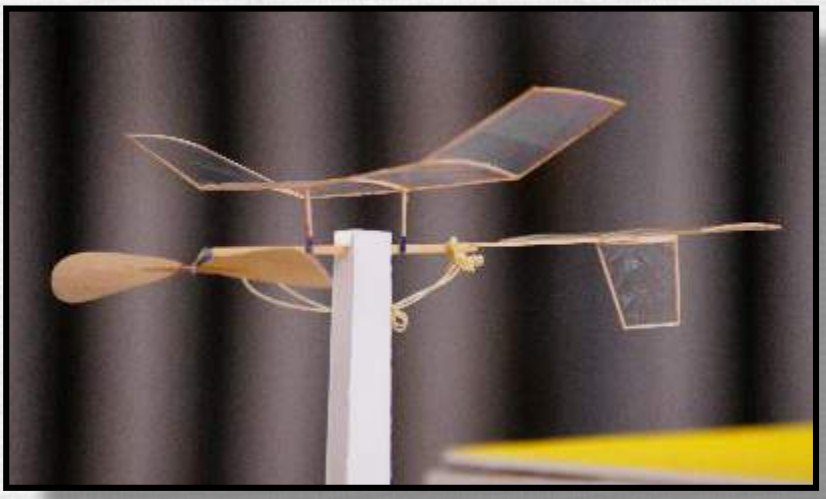








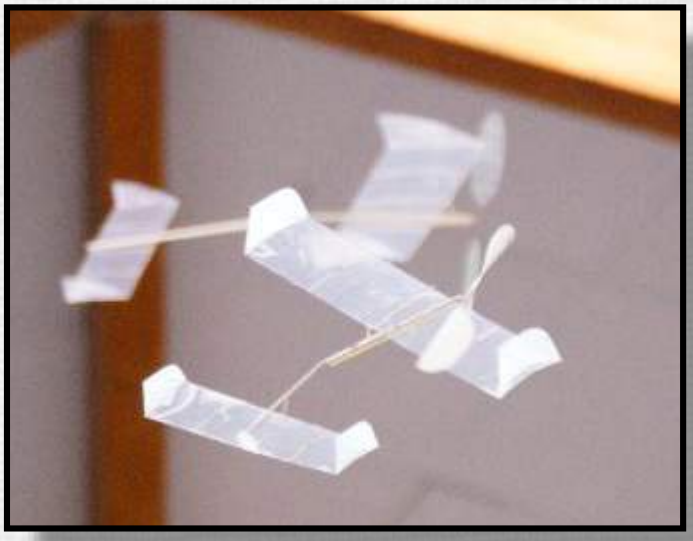
Round Valley Dome













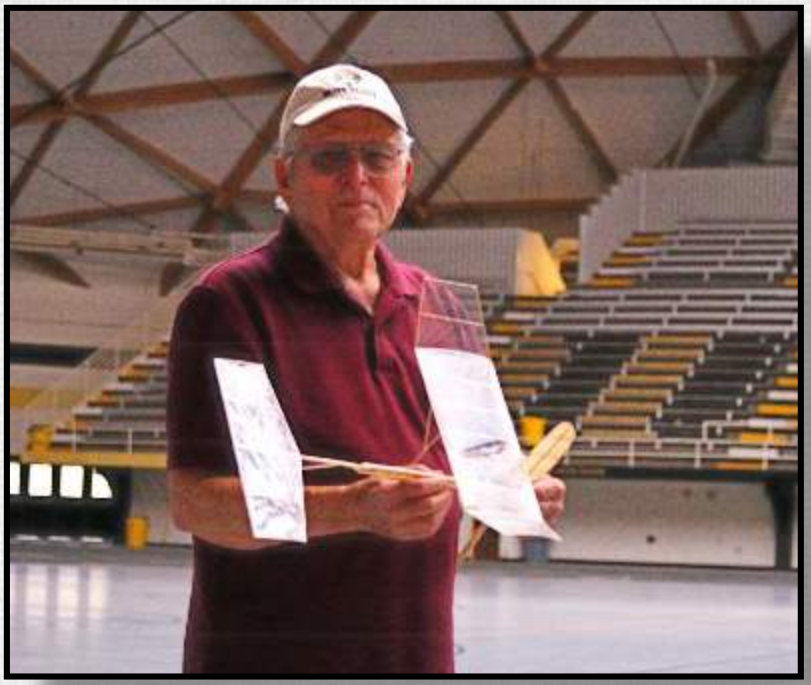
Round Valley Dome

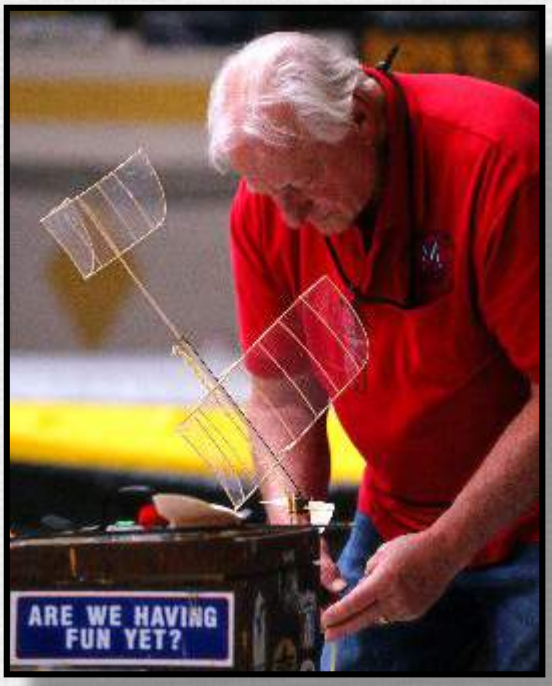












Round Valley Dome

Results of the 2022 PMAC RVD contest

Event (entries)	Scoring	1st Place	2nd Place	3rd Place	4th Place	5th Place
A-6 [4]	Total High 1 of 5	Christie, Hamish -- 9:22	Fedor, Michael -- 5:49	Gaylor, Tom -- 3:30	Pangell, Rick -- 2:29	
ROG Stick [1]	Total High 1 of 5	Fedor, Michael -- 8:24				
Easy B [2]	Total High 1 of 5	Fedor, Michael -- 9:22	Gaylor, Tom -- 5:17			
F1D [4]	Total High 2 of 6	Ramacciotti (S), Monet -- 23:07	Fedor, Michael -- 14:07	Sorbello (S), Anjulie -- 14:07	Sorbello (S), Quinn -- 0:05	
Scraps [4]	Total High 1 of 5	Rose, Michael -- 6:08	Andraka, Chuck -- 4:50	Ramacciotti (S), Monet -- 4:19	Rose (S), Elijah -- 4:01	
F1L [2]	Total High 2 of 6	Fedor, Michael -- 20:52	Lueken, Jim -- 20:41			
F1M [5]	Total High 2 of 6	Sorbello (S), Anjulie -- 24:17	Wignall (J), Odessa -- 23:32	Andraka, Chuck -- 22:05	Rose (S), Elijah -- 17:42	Sorbello (S), Quinn -- 15:03
Limited Pennyplane [10]	Total High 1 of 5	Wignall (J), Odessa -- 12:46	Rose, Michael -- 10:37	Andraka, Chuck -- 9:43	Sorbello (S), Quinn -- 9:23	Rose (S), Elijah -- 9:21
MiniStick [1]	Total High 1 of 5	Fedor, Michael -- 5:10				
NFFS Towline [2]	Total High 2 of 9	Pangell, Rick -- 1:51.0	Fedor, Michael -- 1:21.0			
P-18 [3]	Total High 1 of 5	Andraka, Chuck -- 2:46	Fedor, Michael -- 2:26	Christie, Hamish -- 2:15		
Pennyplane [8]	Total High 1 of 5	Wignall (J), Odessa -- 10:47	Rose, Michael -- 10:16	Andraka, Chuck -- 10:01	Rose (S), Elijah -- 8:43	Fedor, Michael -- 8:03
Standard Catapult Glider [3]	Total High 2 of 9	Pangell, Rick -- 1:34.2	Fedor, Michael -- 1:21.2	Murphy, Jerry -- 1:19.0		
Unlimited Catapult Glider [3]	Total High 2 of 9	Pangell, Rick -- 1:33.8	Fedor, Michael -- 1:13.6	Murphy, Jerry -- 1:10.5		
FAC Phantom Flash [2]	Total High 3 of 6	Christie, Hamish -- 6:00.0	Adams, Jr, Richard -- 3:12.0			
ML FAC WW II No-Cal [4]		Fedor, Michael -- 0:04	Adams, Jr, Richard -- 0:03	Pangell, Rick -- 0:02	Murphy, Jerry -- 0:01	
FAC Peanut [1]	Unfactored Total of 3	Pangell, Rick	Fike	60	0	60
FAC No-Cal Scale 1st place	Unfactored Total of 3	Fedor, Michael	Spitfire	302	0	302
FAC No-Cal Scale 2nd place	Unfactored Total of 3	Adams, Jr, Richard	Hellcat	248	0	248
FAC No-Cal Scale 3rd place	Unfactored Total of 3	Pangell, Rick	P-40	55	0	55

	Fedor, Michael		Pangell, Rick		Wignall (J), Odessa		Fedor, Michael		Fedor, Michael		Wignall (J), Odessa	
	Rubber		Glider		AMA / FAI		FAC / NFFS		Overall		(J)	
Flyer	Points	Wins	Points	Wins	Points	Wins	Points	Wins	Points	Wins	Points	Rank
Christie, Hamish	7	2			5	1	2	1	7	2		
Fedor, Michael	20	6	5		17	4	8	2	25	6		
Gaylor, Tom	2				2				2			
Pangell, Rick	3	1	8	3	6	2	5	2	11	4		
Ramacciotti (S), Monet	5	1			5	1			5	1		
Sorbello (S), Anjulie	6	1			6	1			6	1		
Sorbello (S), Quinn	3				3				3			
Lueken, Jim	1				1				1			
Andraka, Chuck	13	1			13	1			13	1		
Rose (S), Elijah	4				4				4			
Wignall (J), Odessa	18	2			18	2			18	2	18	1
Adams, Jr, Richard	5						5		5			
Lindley, David												
Murphy, Jerry			2		2				2			
Rose, Michael	15	1			15	1			15	1		



Michael Fedor



Odessa Wignall



Rick Pangell

Round Valley Dome



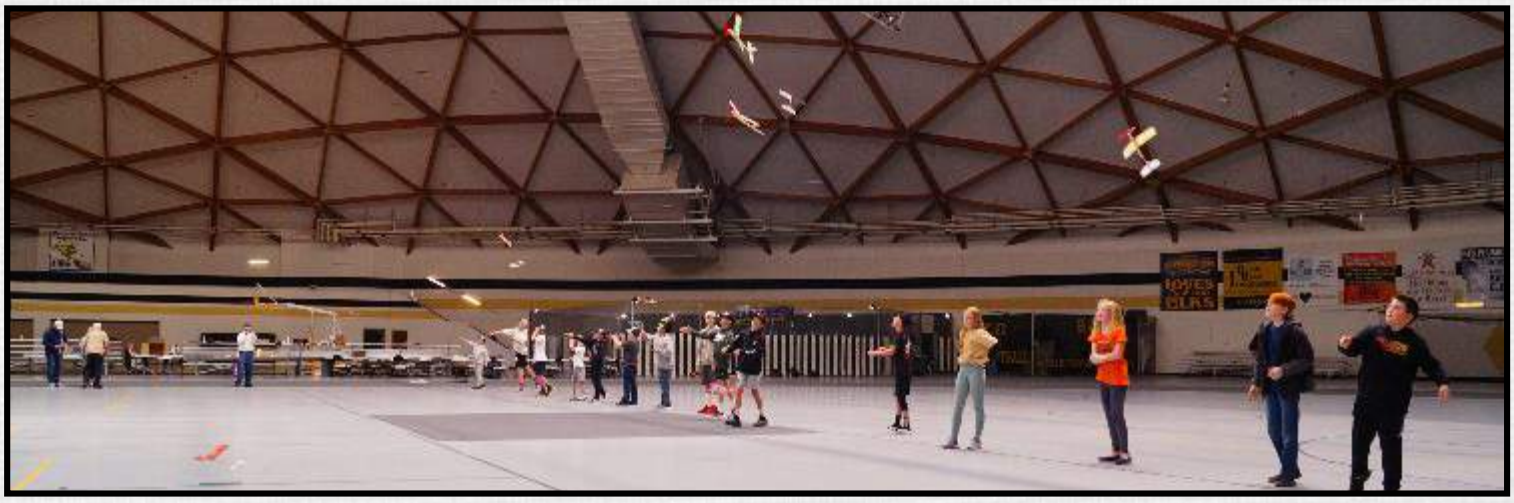












April Contest Results



2022 PMAC Topgun Champion Standings

no dropped contest	Feb	Mar	Apr	Total
Kevin McCue	8.33	5.01	5.56	18.90
Robert Donnelly		4.62	11.99	16.61
Jennifer Donnelly		7.00	5.48	12.48
Rich Adams	1.00	2.67	5.35	9.02
Jim Kruse	5.09	2.54	1.00	8.63
George Morris		8.22		8.22
John Riese	4.82	3.19		8.01
Bruce Grawburg	3.45	2.49	1.73	7.67
Shig Saimo	3.49	1.50		4.99
Ray Kostuk	3.12	1.48		4.60
Peter Brocks		3.12		3.12
Jim Farmer			2.54	2.54
Tom Gaylor	1.58	0.86		2.44
Jean Andrews			0.27	0.27
Alan Petersen				0.00

2022 PMAC Category Champion Standings

no dropped contest	Feb	Mar	Apr	Total
2 minute Combo				
Kevin McCue	4.77	2.89	2.88	10.54
Jim Kruse	2.25		1.00	3.25
Rich Adams			2.68	2.68
George Morris		2.25		2.25
Peter Brocks		1.01		1.01
3 min FAI Combo				
Jennifer Donnelly		3.00		3.00
Peter Brocks		2.11		2.11
Jim Farmer			0.91	0.91
3 min Rubber/Glider Combo				
Kevin McCue	3.56	2.12	2.68	8.36
Rich Adams	1.00	2.67	2.67	6.34
Shig Saimo	3.50	0.73		4.23
John Riese		1.77		1.77
Jim Farmer			1.63	1.63
Tom Gaylor	1.58			1.58
Bruce Grawburg	1.17			1.17
Ray Kostuk	0.38			0.38
AMA/classic Gas				
Jim Kruse	2.84	2.54		5.38
John Riese	2.50			2.50
Catapult/ HL Glider Combo				
Bruce Grawburg	2.28	2.49	1.73	6.50
Jennifer Donnelly			5.48	5.48
Robert Donnelly		4.62		4.62
Ray Kostuk	2.74	1.48		4.22
George Morris		2.43		2.43
Electric				
Robert Donnelly			9.33	9.33
Jennifer Donnelly		4.00		4.00
George Morris		3.54		3.54
Nostalga Gas / OT Gas Combo				
Robert Donnelly			2.67	2.67
John Riese		1.42		1.42
Tom Gaylor		0.86		0.86
Shig Saimo		0.77		0.77



The weather for the contest started out with typical Webster West conditions – very light winds. There was excellent flying until 10:30 AM when the winds began to increase and shift around from the north. Winds were seven MPH but flying continued with some long chases. We had a mix of different events during the day including FAI, FAC and AMA rubber, glider, gas and electric. During the early morning air, Jean Andrews flew an autogiro! Be sure to review the contest results on this page.

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.

April 2022 contest results		Flight Time (seconds)							Club Category Score	Club Topgun Score
Contestant Name	Event	Flt 1	Flt 2	Flt 3	FO 1	FO 2	FO 3	Total		
2 minute combo										
Kevin Mccue	P-30	120	105	120				345	2.88	2.88
Rich Adams	P-30	105	96	120				321	2.68	2.68
Jim Kruse	P-30	120						120	1.00	1.00
Jean Andrews	Autogyro	32						32	0.27	0.27
3 min FAI combo										
Jim Farmer	F1A	180	94					274	0.91	0.91
3 min Rubber/Glider Combo										
Kevin Mccue	Small Cabin	180	240	122				542	2.68	2.68
Rich Adams	Small Stick	120	180	240				540	2.67	2.67
Jim Farmer	Classic Towline	75	180					255	1.63	1.63
Catapult/ HL Glider Combo										
Jennifer Donnelly	CLG	180	180	122				482	3.00	3.00
Jennifer Donnelly	HLG	79	98	120				297	2.48	2.48
Bruce Grawburg	CLG	64	47	45				156	1.73	1.73
Electric										
Robert Donnelly	Electric A	120	120	120	120	120	77	677	5.64	5.64
Robert Donnelly	E-36	120	120	120	82			442	3.68	3.68
Nostalga Gas / OT Gas Combo										
Robert Donnelly	A Nos	180	180	120				480	2.67	2.67

April Contest photos





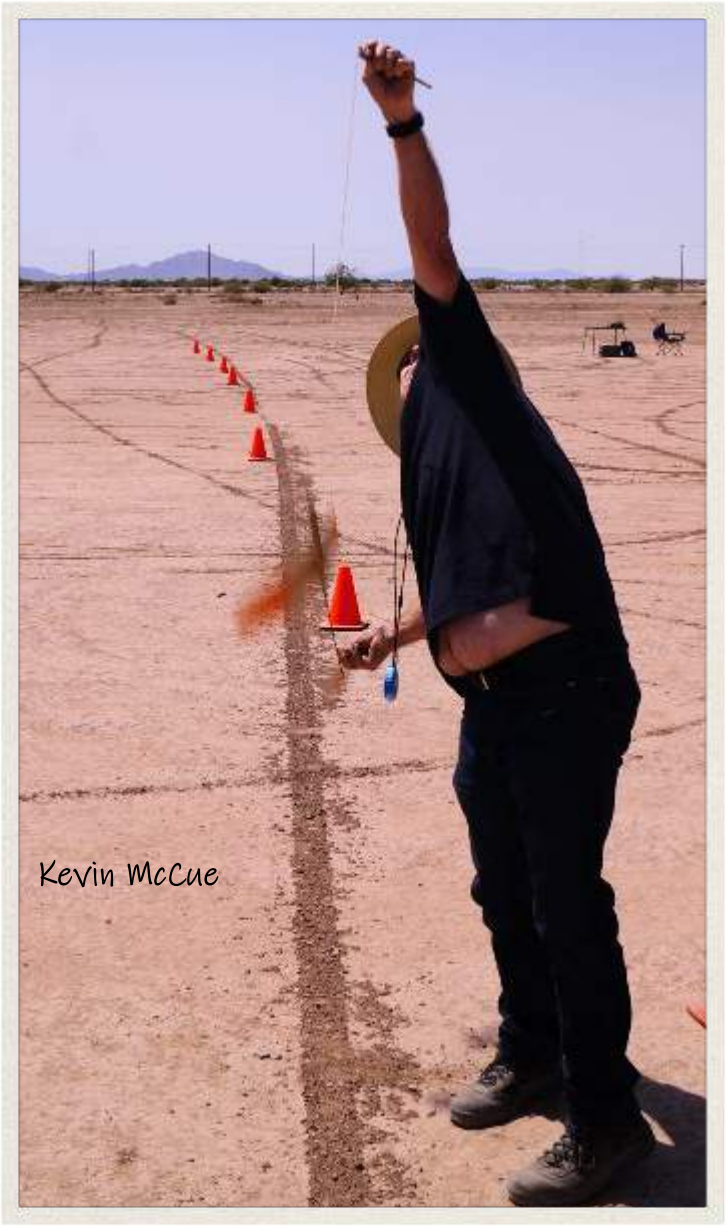








April Contest photos



Kevin McCue



Tom Gaylor at the CD table



Kevin McCue

Tom Gaylor



Rich Adams

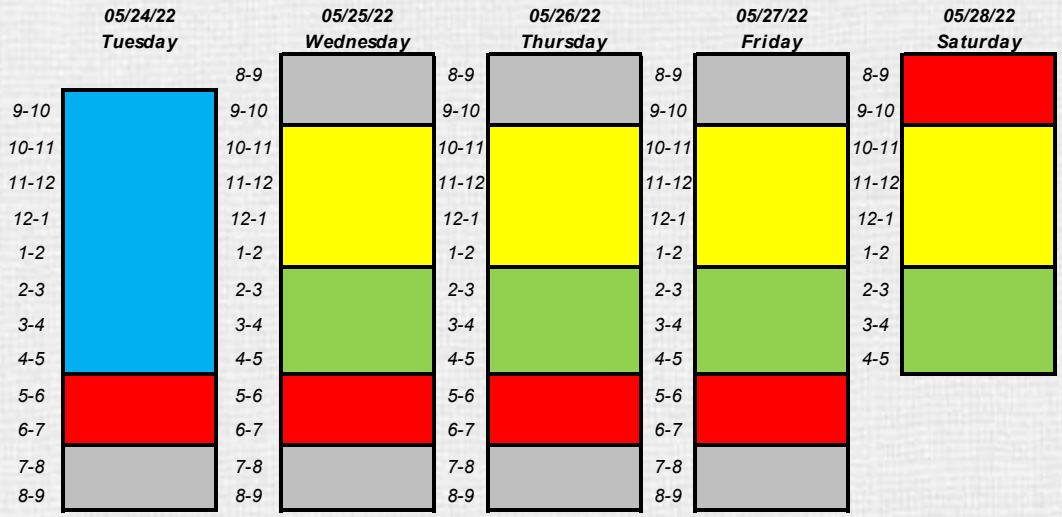


Tom Gaylor

Indoor NATS

Schedule of Events for 2022 Indoor National Championships
Eagar, Arizona

Final



Hours	
14	*Events: F1D, F1R, HL STICK, INTERMEDIATE STICK, ROG CABIN, HELICOPTER, ORNITHOPTER, F1L, EZB, ROG STICK*
16	*Events: FAC EVENTS - FAC GOLDEN AGE, FAC EMBRYO, PHANTOM FLASH, FAC SIMPLE SCALE, FLYING HORDE, WWII NO-CAL COMBAT, PEANUT SCALE, RUBBER SCALE, GREVE/THOMPSON NO-CAL, WWII COMBAT, HI-WING PEANUT, NO-CAL SCALE, FAC PHANTOM FLASH MASTER, FAC GREVE/THOMPSON. NON-FAC: MANHATTAN CABIN, P-18, COCONUT SCALE, PISTACHIO SCALE, BOSTONIAN.*
12	*Events: HL GLIDER, F1N, CATAPULT GLIDER, UNLIMITED CATAPULT GLIDER, JET CATAPULT.*
10	*Events: PENNYPLANE, LIMITED PENNYPLANE, A-6, F1M, TOWLINE, ELECTRIC, MINISTICK.*
8	*Sign in, Setup, Practice*
52	*Total Competition Hours (excludes practice)*

MASS LAUNCHES:

WEDNESDAY - 11-noon GREVE/THOMPSON; 12-1 PM FLYING HORDE
THURSDAY - 11-noon GREVE/THOMPSON NO-CAL; 12-1 PM WW II
FRIDAY - 11-noon WW II NO-CAL; 12-1 PM PHANTOM FLASH; 2-3 PM P-18



2022 Indoor NATS Point Award Basis

Event Flyers	Place 1	2	3	4	5
1	1				
2	2	1			
3	3	2	1		
4	4	2	1		
5	5	3	1		
6	6	4	2	1	
7	6	4	2	1	
8	7	5	3	2	1
9	7	5	3	2	1
10	8	6	4	3	2
11	8	6	4	3	2
12	9	7	5	4	3
13	9	7	5	4	3
14	10	8	6	5	4
15	10	8	6	5	4
16	11	9	7	6	5
17	11	9	7	6	5
18	12	10	8	7	6
19	12	10	8	7	6
20	13	11	9	8	7
21	13	11	9	8	7
22	14	12	10	9	8
23	14	12	10	9	8
24	15	13	11	10	9
25	15	13	11	10	9
26	16	14	12	11	10
27	16	14	12	11	10
28	17	15	13	12	11
29	17	15	13	12	11
30	18	16	14	13	12

Recognitions

Based upon points total

Listed Event Champion
AMA / FAI Grand Champion
FAC / NFFS Grand Champion
Rubber Grand Champion
Glider Grand Champion
Junior Grand Champion
Overall Grand Champion

For info contact;
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PreRegister for NATS

https://www.modelaircraft.org/events/nats-2022-indoor-free-flight

2022 Contest Schedules

South West Regionals January 15-17 2022 Eloy, Arizona

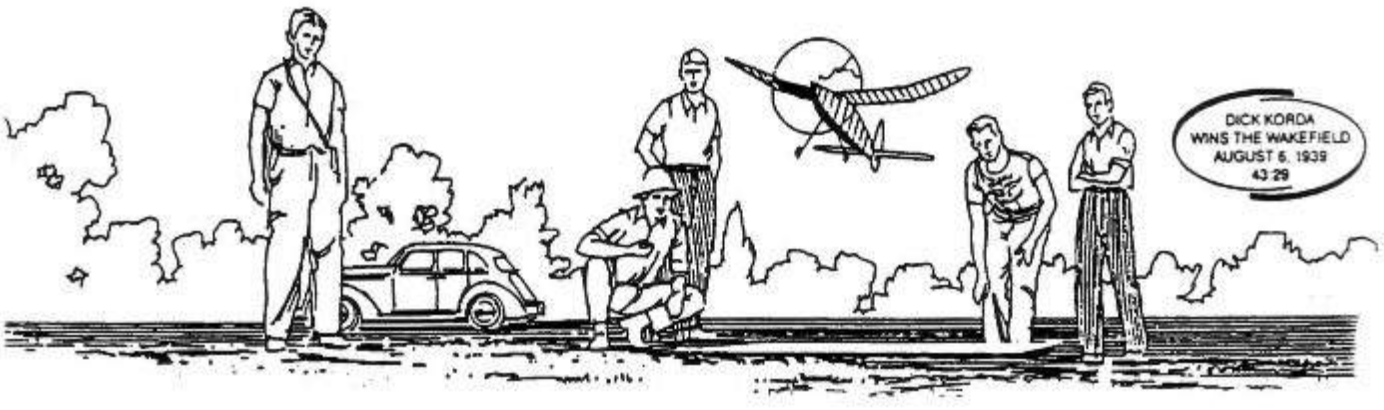
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2022 PMAC / TFFC Outdoor Contest Schedule Eloy AZ

Start Time May, Sept: 7:30 am All others: 8:00 am	Nat'l Cup	Nat'l Cup	Nat'l Cup	Nat'l Cup	Nat'l Cup	Nat'l Cup	Nat'l Cup	America & National Cup		Round Valley Indoor Contest		
	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 20	**Mar 19**	**Apr 24**	**May 21**	**Sep 18**	**Oct 15**	**Nov 13**	**Dec 3**	**Dec 4**	**Apr 8**	**Apr 9**	**Apr 10**
GAS/ELECTRIC EVENTS										Practice	**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	
AMA ½ A GAS	(Jr) (SO)	(Jr) (SO)	(Jr) (SO)	(Jr) (SO)	(Jr) (SO)	(Jr) (SO)	(Jr) (SO)	(Jr) (SO)*				
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) (SO)	(Jr) (SO)	(Jr) (SO)	(Jr) (SO)	(Jr) (SO)	(Jr) (SO)	(Jr) (SO)		(Jr) (SO)*			
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 ¼ A	X	X	X	X	X	X	X	X				
NOS ½ 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 REPLICA	X	X	X	X	X	X	X	X				
OT GAS COMBO	X	X	X	X	X	X	X		X		**MONDAY 4/11/2022** Student Build and Fly Mountain Lions	
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			
Rubber Events												
P-30	(Jr) (SO)	(Jr) (SO)	(Jr) (SO)	(Jr) (SO)	(Jr) (SO)	(Jr) (SO)	(Jr) (SO)	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	X	X	X	X	X	X	X		X			
MOFFETT	X	X	X	X	X	X	X	X				
FAI Events												
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 Pow er	X	X	X	X	X	X	X	X				
GLIDER EVENTS												
H. L. GLIDER	(Jr) (SO)	(Jr) (SO)	(Jr) (SO)	(Jr) (SO)	(Jr) (SO)	(Jr) (SO)	(Jr) (SO)	(Jr) (SO)				
CAT GLIDER	(Jr) (SO)	(Jr) (SO)	(JR)(SO)	(Jr) (SO)	(Jr) (SO)	(Jr) (SO)	(Jr) (SO)		(Jr) (SO)			
CLASSIC GLIDER	(Jr) (SO)	(Jr) (SO)	(Jr) (SO)	(Jr) (SO)	(Jr) (SO)	(Jr) (SO)	(Jr) (SO)		(Jr) (SO)			
FAC Events												
Embryo	X	X	X	X	X	X	X	X				
Jimmy Allen/2 Bit + 1 combo	X	X	X	X	X	X	X					
FAC OT rubber stick	X	X	X	X	X	X	X	X				
FAC OT rubber fuselage	X	X	X	X	X	X	X		X			
Contest Directors	Adams	Donnelly	Gaylor	Donnelly	Martin		Adams	Brocks & Gaylor		Gaylor		
Contest Classification	A	A	A	A	A	A	A	AA	AA	A		

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***





May 2022

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21 Eloy Contest
22	23	24	25	26	27	28
29	30	31				

Indoor NATS at Round Valley Dome in Eagar, AZ

Eloy Contest Start time = 7:30