Phoenix Model Airplane Club

HAVING FUN WITH MODEL AIRPLANES SINCE 1934 Vol-27 No 6 Jun 2022



INDOOR NATS

COVER: Looks like Peter Brocks is sporting a new F1A model that he was flying at the May Eloy contest. Photo by Brigitte Brocks



Corrections to April Eloy contest data were made after the May newsletter was published so there will be adjusted scores in this months newsletter. I was very busy at the NATS doing score keeping and did not take as many photos as in the past, so photo coverage was reduced. I would like to thank the people that helped me with the data recording at the NATS, It was a huge help. I would like to remind everyone there will not be newsletters in July and August. Stay cool, safe and healthy. The editor

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

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Next Eloy Contest — September 18 2022

Contest Start Time: 7:30 am







Prez Speaks



Let us remember Memorial Day. My father's outfit, the 22nd Bomb Group, had many losses at Midway, the Coral Sea, Lae and Rabaul. They were in these battles when the Japanese were the strongest. I also lost many friends in Vietnam.

PMAC has had a very successful month. Due to a windy weather report, the monthly outdoor contest at Webster West was lightly attended. However, there were periods when the winds were lighter and there was flying. The Indoor Nationals at the Round Valley Dome in Eagar, AZ went exceptionally well. We had forty-seven entrants, from across the United States and Australia. Several indoor records were set, mainly by juniors and seniors. A contest like the Indoor NATs require many people to assist. When you see these people, thank them! Bruce Grawburg had the lion's share of work as scorekeeper. Dave Lindley, the National Free Flight Society President, assisted in many areas, especially awards. I was the CD and Richard Adams was the assistant CD for FAC activities. Hamish Christie inspected the AMA and FAI models for compliance, and Mike Fedor helped with the logs. Rick Pangell handled the non-AMA awards and Jerry Murphy was in charge of the catered lunch program from Avery's BBQ. John McGrath instructed and assisted the students building P-18s. Chuck Andraka managed the Science Olympiad seminars.

We had a visit from the Deer Valley Squadron of the Civil Air Patrol; their six cadets built P-18s under John McGrath's tutelage. John helped them wind and trim their models, and then the cadets took part in the P-18 mass launch.

Be sure to read the reports of the indoor contest, and the scores posted.

Excellent times were logged!

Tom



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 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	120	120	150	150		660	4.83	4.83
Ray Kostuk	FAC Jet CLG	13	21	21				55	0.46	0.46
3 min FAI combo										
Jennifer Donnelly	F1A	180	135	180	165	180		840	2.80	2.80
Peter Brocks	F1A	168	180	96	159	84		687	2.29	2.29
3 min Rubber/Glider Combo										
Kevin Mccue	Small Cabin	180	83	180				443	2.46	2.46
AMA/classic Gas										
Jim Kruse	AMA B Pwr	180	141	180				501	2.78	2.78
Catapult/ HL Glider Combo										
Ray Kostuk	CLG	49	33					82	0.91	0.91
Ray Kostuk	HLG	71						71	0.59	0.59
Electric										
Robert Donnelly	E-36	120	120	120				360	3.00	3.00

2022 PMAC Category Champion Standings

no dropped contest	Feb	Mar	Apr	May	Total
2 minute Combo					
Kevin McCue	4.77	2.89	2.88	4.83	15.37
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
Ray Kostuk				0.46	0.46
3 min FAI Combo					
Jennifer Donnelly		3.00		2.80	5.80
Peter Brocks		2.11		2.29	4.40
Jim Farmer			0.91		0.91
3 min Rubber/Glider Combo					
Kevin McCue	3.56	2.12	2.68	2.46	10.82
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		2.78	8.16
John Riese	2.50				2.50
Catapult/ HL Glider Combo					
Robert Donnelly		4.62	5.48		10.10
Bruce Grawburg	2.28	2.49	1.73		6.50
Ray Kostuk	2.74	1.48		1.50	5.72
Kevin McCue			2.50		2.50
George Morris		2.43			2.43
Electric					
Robert Donnelly			9.33	3.00	12.33
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

2022 PMAC Topgun Champion Standings

no dropped contest	Feb	Mar	Apr	May	Total
Kevin McCue	8.33	5.01	8.06	7.29	28.69
Robert Donnelly		4.62	17.47	3.00	25.09
Jim Kruse	5.09	2.54	1.00	2.78	11.41
Jennifer Donnelly		7.00		2.80	9.80
Rich Adams	1.00	2.67	5.35		9.02
George Morris		8.22			8.22
John Riese	4.82	3.19			8.01
Bruce Grawburg	3.45	2.49	1.73		7.67
Ray Kostuk	3.12	1.48		1.96	6.56
Peter Brocks		3.12		2.29	5.41
Shig Saimo	3.49	1.50			4.99
Jim Farmer			2.54		2.54
Tom Gaylor	1.58	0.86			2.44
Jean Andrews			0.27		0.27



May Contest Photos

Brigitte Brocks photos

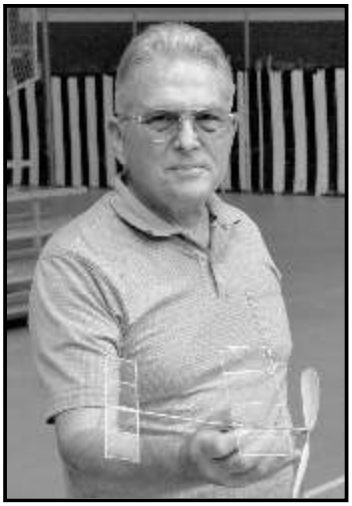


NFFS Indoor National Championships

Eagar Arizona







Contest Director's View

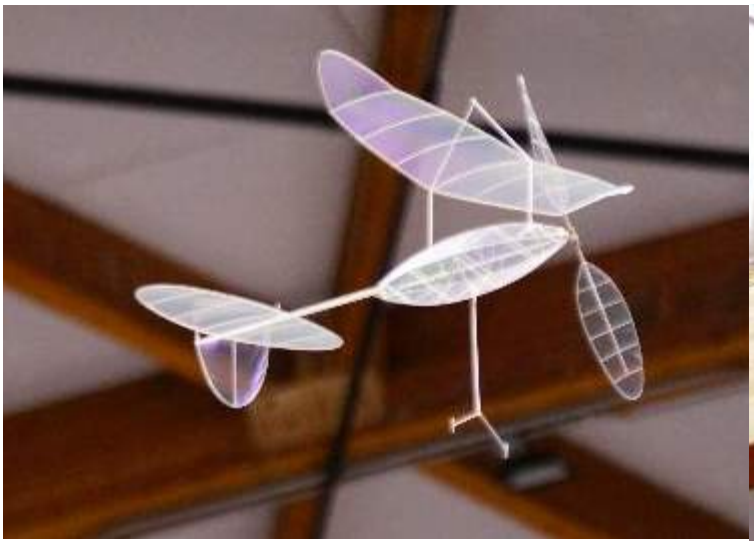
The 2022 Indoor Nationals began at 9 AM on May 24th with a practice session lasting until 5 PM. From 5 PM until 9 PM official contest flying began. Flying continued Wednesday, Thursday and Friday from 8 AM until 9 PM. On Saturday flying continued until 5 PM and the contest closed after awards were presented.

The schedule was divided into blocks to separate the light weight models from the heavier ones and the gliders. One feature of the schedule was to allow contestants to fly an event on any day, in their blocks, so there was no pressure to complete an event in one day when five to nine flights were needed. This gave the contestants time for repairs, as well as flexibility for contestants who arrived late or had to leave early.

We had a well represented mix of AMA, FAI, NFFS and FAC events. Many Juniors and Seniors competing in this contest did exceptionally well, setting several indoor records.

The contestant who traveled the farthest was Len Surtees from Australia. He is a world glider champion and the designer of the "Sting" series of competition gliders!

Tom



Light Weight



Heavy Weight


NFFS Indoor NATS
EAGAR-SPRINGERVILLE
ROUND VALLEY DOME
ARIZONA MAY 24-28
FREE FLIGHT
INDOOR NATS 2022

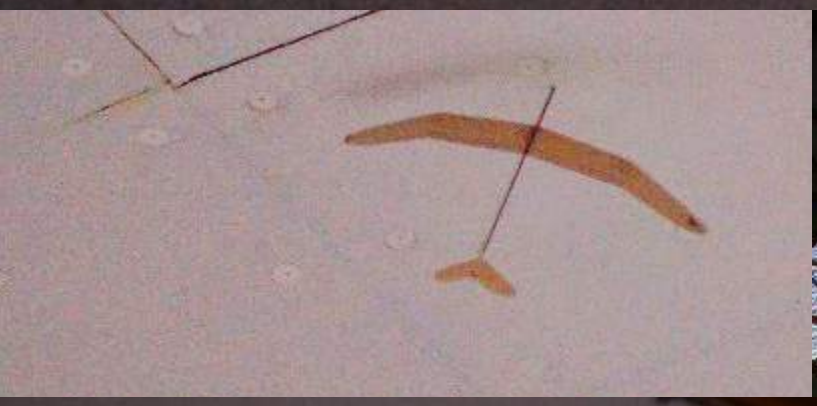






NFFS Indoor NATS











NFFS Indoor NATS













NFFS Indoor NATS



NFFS Indoor NATS









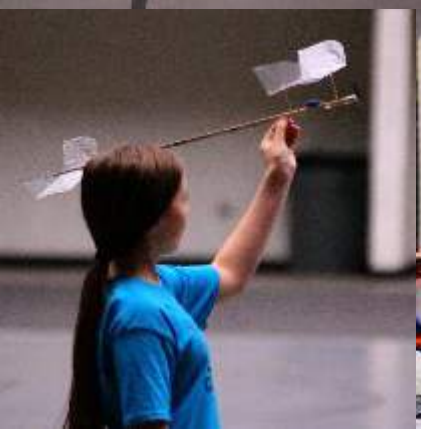
















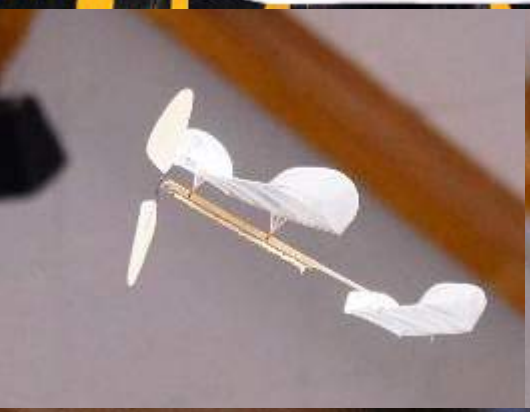
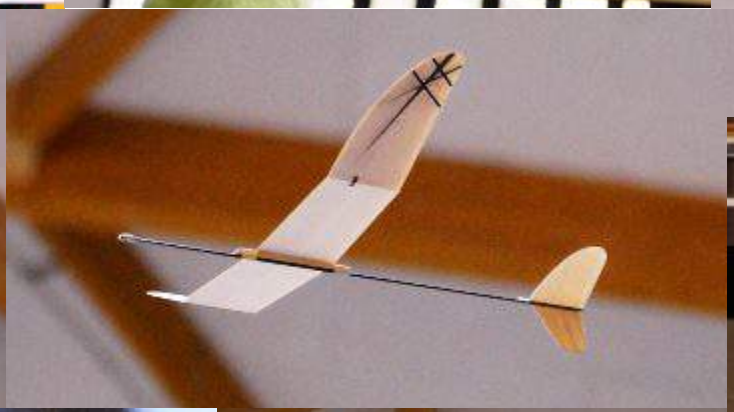


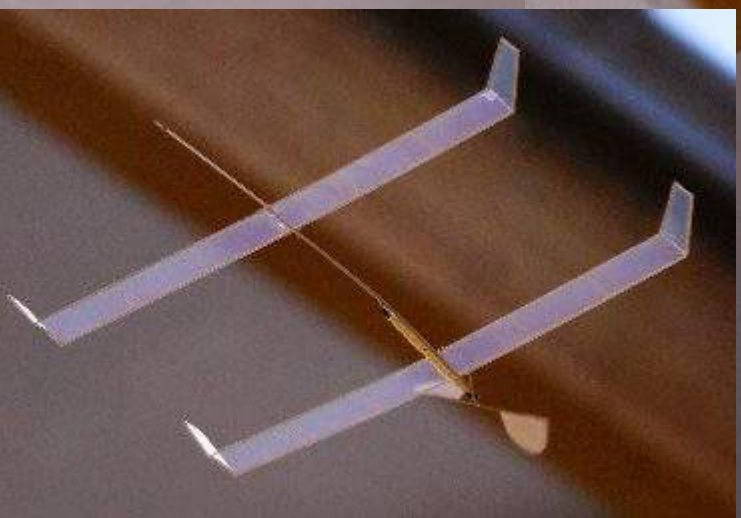
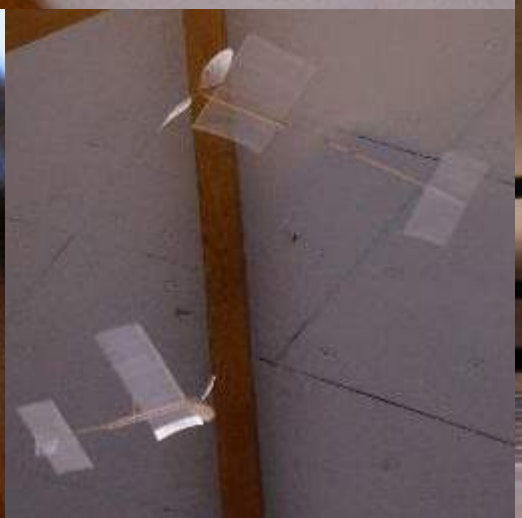
NFFS Indoor NATS



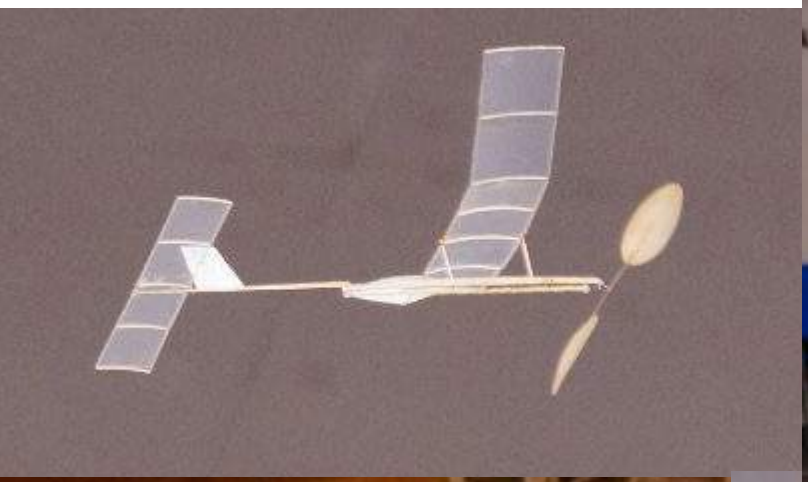




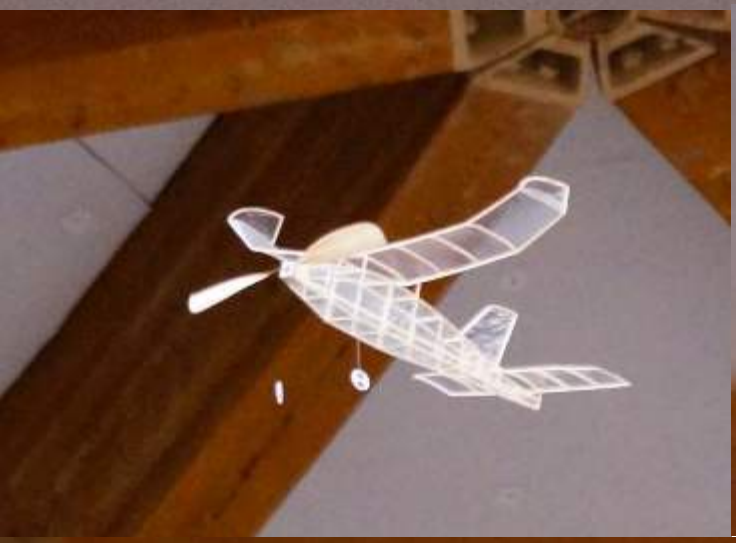



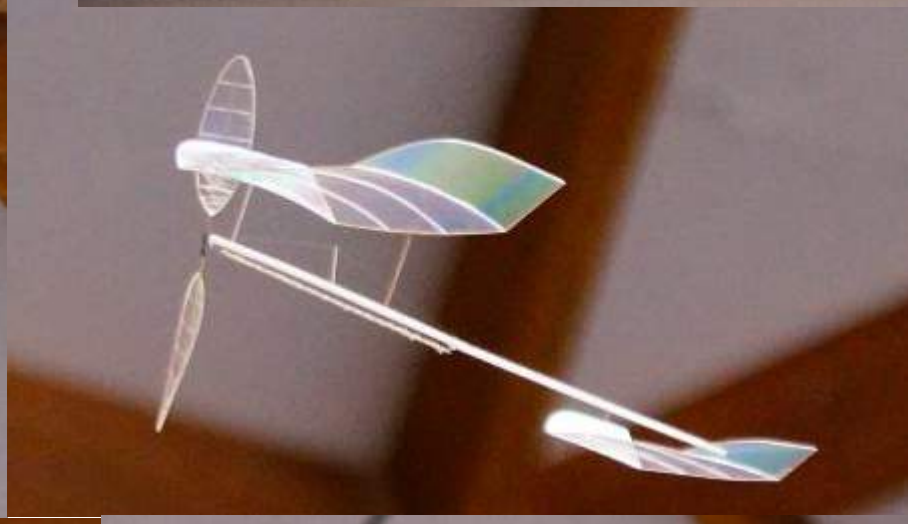



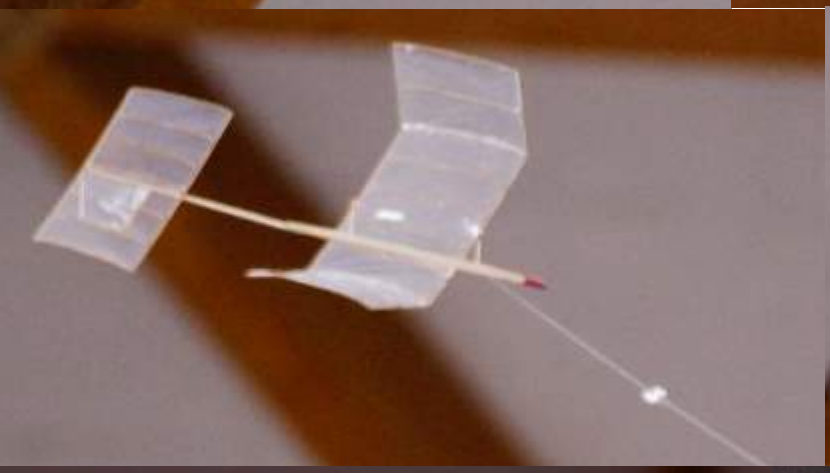

NFFS Indoor NATS





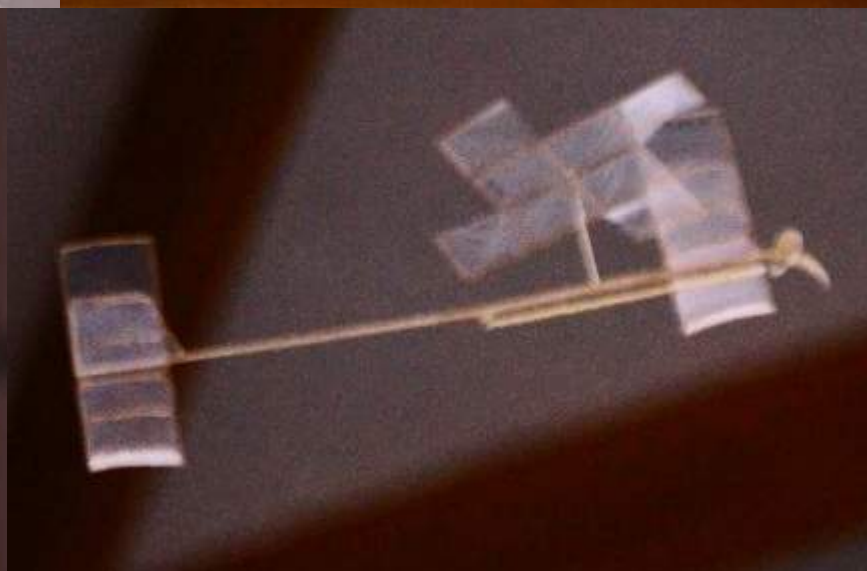












NFFS Indoor NATS

2022 Indoor Nationals Results Summary

Event [entries]	1st Place	2nd Place	3rd Place	4th Place	5th Place
A-6 [8]	Christie, Hamish -- 9:26	Fedor, Michael -- 6:30	Finn (J), Paul -- 5:48	Avery, Paul -- 5:47	Mcgrath, John -- 5:44
ROG Stick [5]	Finn, Joshua -- 15:38	Finn, Hope -- 7:35	Aronstein, David -- 7:00	Fedor, Michael -- 5:23	Murphy, Jerry -- 1:59
Easy B [7]	Khanagov, Karen -- 16:49	Fedor, Michael -- 12:08	Alagiri (J), Adith -- 8:43	Finn, Hope -- 8:18	Guo (J), Daniel -- 7:51
Electric [2]	Finn (J), Paul -- 3:55	Finn (J), Caleb -- 1:49			
F1D [12]	Sanborn, Brett -- 38:53	Finn, Joshua -- 31:14	Ekambaram (S), Guha -- 29:41	Sorbello (S), Anjulie -- 26:48	Wignall (J), Odessa -- 24:37
F1L [6]	Fedor, Michael -- 22:06	Lueken, Jim -- 21:46	Sanborn, Brett -- 16:29	Finn, Hope -- 15:59	Finn (J), Caleb -- 12:21
F1M [9]	Andraka, Chuck -- 23:39	Sorbello (S), Anjulie -- 22:47	Ramacciotti (S), Monet -- 22:31	Rose, Josiah -- 21:56	Sorbello (S), Quinn -- 18:13
F1N [8]	Buddenbohm, Stan -- 3:32.2	Batiuk, Tim -- 3:30.7	Finn, Joshua -- 3:20.2	Deloach, Don -- 3:18.9	Surtees, Len -- 2:14.0
F1R [3]	Finn, Joshua -- 41:53	Finn, Hope -- 27:37	Finn (J), Caleb -- 19:46		
Hand Launch Glider [7]	Batiuk, Tim -- 2:29.2	Buddenbohm, Stan -- 2:23.6	Finn, Joshua -- 2:22.8	Deloach, Don -- 2:12.6	Jones, Logan -- 1:43.5
Hand Launched Stick [3]	Clements (S), Ross -- 30:55	Finn, Joshua -- 22:00	Fedor, Michael -- 11:48		
Helicopter [3]	Clements (S), Ross -- 5:04	Finn, Joshua -- 5:01	Finn, Hope -- 2:03		
Intermediate Stick [1]	Finn, Joshua -- 20:34				
Limited Pennyplane [19]	Deloach, Don -- 11:32	Finn, Joshua -- 11:06	Rose, Josiah -- 10:46	Andraka, Chuck -- 10:30	Wignall, Jessaine -- 9:52
Manhattan Cabin [4]	Aronstein, David -- 7:58	Finn, Joshua -- 6:24	Avery, Paul -- 5:30	Finn, Hope -- 4:51	
MiniStick [7]	Khanagov, Karen -- 9:45	Nunez, Jonathan -- 8:29	Finn, Joshua -- 6:19	Deloach, Don -- 5:41	Finn, Hope -- 5:36
NFFS Towline [4]	Deloach, Don -- 4:34.6	Morris, George -- 4:12.3	Fedor, Michael -- 4:05.0	Pangell, Rick -- 2:51.4	
Ornithopter [1]	Finn, Joshua -- 3:13				
P-18 [17]	Mcgrath, John -- 3:39	Sanborn, Brett -- 3:31	Buddenbohm, Stan -- 3:18	Christie, Hamish -- 3:00	Sorbello (S), Anjulie -- 2:55
Pennyplane [12]	Finn, Joshua -- 12:30	Morris, George -- 10:13	Wignall, Jessaine -- 9:59	Rose, Josiah -- 9:55	Andraka, Chuck -- 9:26
ROG Cabin [3]	Clements (S), Ross -- 21:21	Finn, Joshua -- 14:06	Finn, Hope -- 5:10		
Standard Catapult Glider [15]	Tang, Xiaoguo -- 2:19.0	Buddenbohm, Stan -- 2:16.1	Tang, June -- 2:14.8	Batiuk, Tim -- 2:12.4	Clements (S), Ross -- 2:07.8
Unlimited Catapult Glider [13]	Buddenbohm, Stan -- 2:43.6	Batiuk, Tim -- 2:28.0	Tang, Xiaoguo -- 2:22.5	Morris, George -- 2:08.6	Finn, Joshua -- 1:58.9
AMA Bostonian [2]	Nunez, Jonathan -- 384.0	Nunez, George -- 270.0			
ML P-18 [12]	Mcgrath, John -- 3:14	Rose (S), Elijah -- 2:42	Christie, Hamish -- 2:41	Ramacciotti (S), Monet -- 2:37	Andraka, Janet -- 2:30
ML FAC WW II Combat [5]	Aronstein, David -- 0:04	Deloach, Don -- 0:03	Nunez, Jonathan -- 0:02	Wagner, David -- 0:01	Nunez, George -- 0:01
ML FAC WW II No-Cal [5]	Fedor, Michael -- 0:03	Nunez, Jonathan -- 0:02	Pangell, Rick -- 0:01	Nunez, George -- 0:02	Adams, Jr, Richard -- 0:01
ML FAC Greve/Thompson [4]	Deloach, Don -- 0:03	Nunez, George -- 0:02	Wagner, David -- 0:01	Nunez, Jonathan -- 0:01	
ML FAC Phantom Flash [5]	Christie, Hamish -- 3:02	Deloach, Don -- 2:13	Etherington, Jr, Chuck -- 2:28	Lueken, Jim -- 1:40	Pangell, Rick -- 1:25
ML FAC Greve/Thomp No-Cal [2]	Fedor, Michael -- 2:55	Murphy, Jerry -- 1:05			
FAC Jet Catapult Scale 1st	Nunez, Jonathan	WB-57	Total 169	Static 22	Flight 147

NATS STATS

46 Flyers

779 Official Flights

43 Official Events

8 New Site Records

NFFS Indoor NATS

FAC Jet Catapult Scale 1st	Nunez, Jonathan	WB-57	Total 169	Static 22	Flight 147
FAC Jet Catapult Scale 2nd	Buddenbohm, Stan	T-37	Total 149	Static 0	Flight 149
FAC Jet Catapult Scale 3rd	Adams, Jr, Richard	B-52	Total 81	Static 30	Flight 51
FAC Jet Catapult Scale 4th	Tang, Xiaoguo	Phantom F4	Total 66	Static 0	Flight 66
FAC Jet Catapult Scale 5th	Fedor, Michael	A-7	Total 66	Static 16	Flight 50
FAC Phantom Flash 1st	Christie, Hamish		Total 443	Static 0	Flight 443
FAC Phantom Flash 2nd	Etherington, Jr, Chuck		Total 382	Static 0	Flight 382
FAC Phantom Flash 3rd	Lueken, Jim		Total 277	Static 0	Flight 277
FAC Phantom Flash 4th	Wagner, Tiger		Total 200	Static 0	Flight 200
FAC Embryo 1st	Aronstein, David	Dewdrop	Total 545	Static 9	Flight 536
FAC Embryo 2nd	Finn, Hope		Total 455	Static 0	Flight 455
FAC Embryo 3rd	Avery, Paul		Total 414	Static 0	Flight 414
FAC Embryo 4th	Wagner, Tiger		Total 254	Static 0	Flight 254
Golden Age Combined 1st	Nunez, Jonathan	Maubossin	Total 278	Static 0	Flight 278
Golden Age Combined 2nd	Wagner, David	Piper Vagabond	Total 199	Static 0	Flight 199
FAC Phantom Flash Master 1st	Christie, Hamish		Total 572	Static 0	Flight 572
FAC Phantom Flash Master 2nd	Finn, Hope		Total 434	Static 0	Flight 434
FAC Phantom Flash Master 3rd	Jones, Logan		Total 210	Static 0	Flight 210
FAC Simple Scale 1st	Deloach, Don	Martin MO-1	Total 227	Static 0	Flight 227
FAC Simple Scale 2nd	Nunez, George	Avia Lombardi	Total 214	Static 13	Flight 201
FAC Simple Scale 3rd	Nunez, Jonathan	Ryan SC	Total 205	Static 13	Flight 192
FAC Peanut 1st	Nunez, George	SE5-A	Total 150	Static 73	Flight 77
FAC Peanut 2nd	Aronstein, David	Boeing Monorail	Total 149	Static 71	Flight 78
FAC Peanut 3rd	Nunez, Jonathan	Yak -3	Total 141	Static 72	Flight 69
FAC Peanut 4th	Pangell, Rick	Hunington H-12	Total 91	Static 58	Flight 33
FAC Greve/Thomp No-Cal [1]	Fedor, Michael		Total 460	Static 0	Flight 460
FAC Rubber Scale 1st	Nunez, Jonathan	KI-61	Total 148	Static 70.5	Flight 77.5
FAC Rubber Scale 2nd	Deloach, Don	CR 714	Total 146	Static 67.5	Flight 78.5
FAC Rubber Scale 3rd	Nunez, George	Rumpler C-IV	Total 135	Static 75.5	Flight 59.5
FAC Rubber Scale 4th	Wagner, David	Fort Stout AT-2	Total 121	Static 60	Flight 61
FAC Rubber Scale 5th	Sharbonda, Kevin	TBM Avenger	Total 101	Static 63.5	Flight 37.5
FAC High Wing Peanut 1st	Nunez, George	Lacey M-10	Total 143	Static 62	Flight 81
FAC High Wing Peanut 2nd	Deloach, Don	Fike	Total 142	Static 62	Flight 80
FAC High Wing Peanut 3rd	Nunez, Jonathan	Maule M7-T	Total 127	Static 61.5	Flight 65.5
FAC High Wing Peanut 4th	Pangell, Rick	Fike model E	Total 95	Static 56	Flight 39
FAC No-Cal Scale 1st	Aronstein, David	Ole Tiger	Total 774	Static 0	Flight 774
FAC No-Cal Scale 2nd	Fedor, Michael	Chambermaid	Total 503	Static 0	Flight 503
FAC No-Cal Scale 3rd	Nunez, Jonathan	Corsair	Total 449	Static 0	Flight 449
FAC No-Cal Scale 4th	Pangell, Rick	P-40	Total 317	Static 0	Flight 317
FAC WW II Combat No-Cal 1st	Nunez, Jonathan	Corsair	Total 240	Static 0	Flight 240
FAC WW II Combat No-Cal 2nd	Fedor, Michael		Total 240	Static 0	Flight 240
FAC WW II Combat No-Cal 3rd	Pangell, Rick		Total 200	Static 0	Flight 200
FAC WW II Combat No-Cal 4th	Nunez, George		Total	Static 0	
Coconut Scale 1st	Nunez, George -- 3	Aronstein, David -- 4	Wagner, David --		

2022 Contest Schedules

South West Regionals January 15-17 2022 Eloy, Arizona

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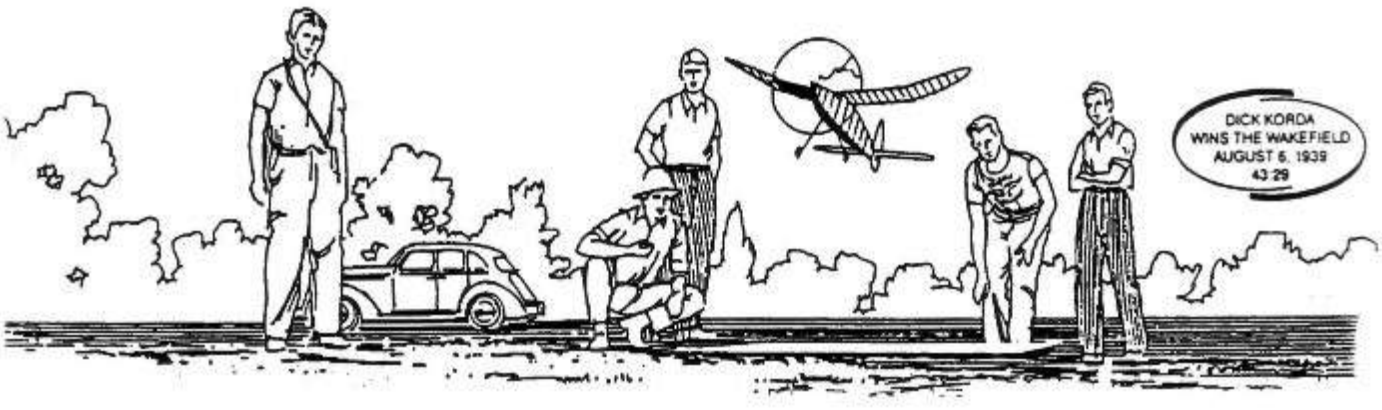
2022 PMAC / TFFC Outdoor Contest Schedule Eloy AZ

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***





September 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 **Eloy Contest**	19	20	21	22	23	24
25	26	27	28	29	30	

Eloy Contest Start time = 7:30