



# COUNTDOWN

OFFICIAL NEWSLETTER OF  
THE SOUTHERN PENNSYLVANIA AREA ASSOCIATION OF ROCKETRY

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SPECIAL ISSUE JULY 1996

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SPECIAL RAMTEC-4 RESULTS ISSUE



CONTEST & SPORT LAUNCH COVERAGE

RESULTS & FLIGHT LOG



The Countdown

Special RAMTEC-4 Issue

July 1996

The Countdown is the newsletter of SPAAR, the Southern Pennsylvania Area Association Of Rocketry, NAR Section #503, PO Box 127, Reamstown, PA 17567, as well as of Tripoli Susquehanna/#71. If anyone is desperate enough to use anything in this newsletter, put in a good word for us, OK?

Club President: Dale Greene  
Senior Advisor: Glenn Feveryear  
Tripoli Prefect: Ed Miller  
Newsletter Editor: George Beever

Thanks this time to: Glenn Feveryear & George Fetter

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Best One-Liner of the Weekend

Jonathan Rains, watching his Sport Scale AIM-9 Sidewinder, descend horizontally, with a tangled parachute, but spinning:

"It is a Sidewinder"

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Cover Photos

Counter clockwise, from upper left: Jim Filler checks out his Black Brant III Sport Scale entry prior to launch; Glenn Feveryear does the same with his Black Brant II; John Yost during a stint as LCO; Flirtin' With Disaster Team's Sandia Sandhawk.

RAMTEC-4 REGIONAL MEET

JUNE 15-16, 1996

Allentown College, Center Valley, PA

SPAAR's annual NAR sanctioned Regional Meet, RAMTEC, was held over the weekend of June 15 & 16. As opposed to the past two years, the weather for RAMTEC-4 was absolutely terrific.

The NAR competition events flown were B Streamer Duration, C Helicopter Duration, D Dual Eggloft Altitude, and Sport Scale. In all, sixteen individual competitors took part, as well as three registered teams. In addition, eight people attended as sport flyers, observers, or range help.

As has become customary, the range opened on Saturday at 9AM sharp. This is really quite a feat considering the amount of work that goes into setting up all of the range equipment the evening before.

Most competitors flew B Streamer and C Helicopter on Saturday morning, since the altitude tracking window would be only open in the afternoon. A Divisioner Daniel Feveryear flew just one event - B Streamer, but managed to put his opportunity to good use. On his second flight, Daniel set a pending US A Division record with a flight of 149 seconds. He didn't have much room to spare, however, as Mike Filler of NARHAMS had a 116-second

flight.

Since there were no B Division entrants, Mike had to be combined with Team Division for the rest of the events. Don't feel too sorry for him, though, as he did quite well for himself!

In C Helicopter, C Division, Warren Sisco blew everyone away with a beautifully built RotaRoc. It appeared to be the QCR kit version. Warren's two flights totaled 346 seconds. Jonathan Rains took second place at 257 seconds, and Glenn Feveryear third at 224 seconds. As mentioned, Mike Filler had to be placed in Team Division; no problem, as he took first place at 286 seconds! The Flirtin' With Disaster Team was a distant second place at 127 seconds, and the Trash Always Wins Team third with 101 seconds.

D Dual Eggloft was the first altitude event ever flown at a RAMTEC, and the closure rates were generally very good. In C Division, Glenn feveryear set a pending US Record with a flight to 400 meters using a homebrew design and an Aerotech D21. Bobby Gormley was second at 270 meters and Dale Greene third at 248 meters. Team Division was taken by the Fred & Barney Team [Dan Winings and

his "mystery teammate".] The only other successful flight was the Flirtin' With Disaster Team's 227 meter flight.

B Streamer Duration was also flown, mostly on Saturday. C Division was a pretty good contest, with NOVAAR's Jonathan Rains, flying as an Independent, taking first place at 277 seconds for his two flights. NARHAMS' Jim Filler took second with 226 seconds; and Bobby Gormley third at 199 seconds. Team Division was taken by the Flirtin' With Disaster Team from SPAAR, with a total of 249 seconds. The Fred & Barney and Trash Always Wins Teams suffered separations on their second flights, bringing them in at 82 and 67 seconds, respectively.

Sport Scale was judged on Saturday night and flown on Sunday. The static judging was made difficult by the large number of excellent models. C Division was won by Glenn Feveryear with his Black Brant II, which garnered 795 static points out of a possible 800. He added a maximum 100 flight points to achieve a final score of 895. As Jon Rains said later, "the model ought to be in a museum." Second place was taken by Jim Filler with a very nicely done Black Brant III, with 755 static points and a perfect 100 point flight score, for a total of 855. Jonathan Rains flew an AIM-9L Sidewinder to third place at 810 points.

In Team Division, Flirtin' With

Disaster took first place with a Sandia Sandhawk, good for 805 points. The Trash Always Wins Team entered a very sharp D-Region Tomahawk. The model took a total of 750 points. Young Mike Filler, flying once again in Team Division, took third place at 736 points with another Tomahawk.

As always, the range was open all weekend for sport flying. A total of 17 people made 63 flights for the two-day meet. Justin Gleiter and Warren Sisco, both from PARA, flew the first H motors ever at RAMTEC. Justin flew an H73 in a THOY Falcon, tracked to 332 meters, and Warren powered a North Coast ASAT-21X with an H128-6, tracked to 237 meters. Charlie Sykos, known mostly as one of the best competition flyers ever, was flying all kinds of things powered by Es, Fs, and Gs. He said he had to "burn up these things because I can't take them with me to Hawaii". As always, Ken Brown flew some new QCR kit prototypes. The best was the "Ball & Bat", which is, well, a ball and bat. With fins. What else will Ken dream up next? The "Mary Poppins" umbrella rocket also flew great, much to the delight of all in attendance.

This was described by one flyer as the best, most laid back RAMTEC ever. Plans are in the works for a special RAMTEC-5 next year. We hope our old friends, as well as the new ones from this year can be there!

RESULTS  
RAMTEC-4 JUNE 15 & 16, 1996

CONTESTANT	NAR NO.	SEC		B SD		C HD		D DELA		SPSC		PTS			
		1	2	1	2	1	2	BEST	STATIC	FLIGHT	TOTAL				
A DIVISION															
DANIEL FEVEYREAR	64856	503	SEP	149	149	-	-	-	-	-	-	270			
MIKE FILLER	57690	139	EJ	116	116	-	-	-	-	-	-	162			
C DIVISION															
JENNIFER ASH-POOLE	61415	139	SEP	32	32	DEP	66	66	-	-	650	95	145	153	
STEVE DECKER	9695	520	-	-	-	EJ	43	43	-	-	-	-	-	66	
GLENN FEVEYREAR	24931	503	91	SEP	189	71	153	224	400	-	400	195	100	895	1761
JIM FILLER	27862	139	81	145	226	106	97	203	CAT0	TL	FF	155	100	855	741
ROBERT GILL	65734	439	57	52	109	-	-	-	-	-	-	-	-	-	27
BOBBY GORMLEY	40847	IND	57	142	199	111	66	177	EGG	270	270	605	100	705	756
KEVIN E. GORMLEY	55663	IND	110	DEP	110	111	73	184	129	172	172	675	100	775	354
DALE GREENE	12464	503	68	SEP	68	41	109	150	248	EJ	248	-	-	-	441
JONATHAN RAINS	13911	IND	180	97	277	148	109	257	EGG	EGG	DQ	720	90	810	786
JACK SARHAGE	31745	439	39	SEP	39	DEP	-	DQ	-	-	-	640	100	740	87
WARREN SISCO	12282	520	-	-	-	204	142	346	161	-	161	505	DQ	DQ	747
SCOTT TYRELL	53529	520	12	12	24	20	22	42	-	-	-	-	-	-	93
BOB ZABRISKIE	36036	439	DEP	81	81	SEP	-	DQ	-	-	-	140	75	815	267
A/TEAM DIVISION															
FLIRTIN' WITH DISASTER	503	503	134	114	249	69	58	127	EGG	227	227	720	85	805	1788
FRED & BARNEY	120	IND	82	SEP	82	34	US	34	236	-	236	-	-	-	1164
TRASH ALWAYS WINS	001	IND	67	SEP	67	69	32	101	EGG	-	DQ	660	90	750	732
MIKE FILLER	57690	139	-	-	-	240	46	286	EGG	EGG	DQ	640	95	736	900

SECTION POINTS:  
 SPAAR 4260  
 IND 3192  
 NARHAMS 1956  
 PARA 879  
 G556 408

LEGEND:  
 FP - FLIGHT POINTS  
 CAT0 - CATOSTROPHIC FAILURE  
 EGG - BROKEN EGG  
 SEP - SEPARATION  
 EJ - EJECTED ENGINE  
 US - UNSAFE  
 DQ - DISQUALIFIED

PENDING U.S. RECORDS:  
 B SD: A DIV - DANIEL FEVEYREAR - 149 SEC  
 C DIV - JONATHAN RAINS - 180 SEC  
 C HD: T DIV - TRASH ALWAYS WINS - 69 SEC  
 D DELA: C DIV - GLENN FEVEYREAR - 400 METERS  
 T DIV - FRED & BARNEY - 236 METERS

FLIGHT LOG

RAMTEC-4 - JUNE 15 &amp; 16 1996

<u>#</u>	<u>FLYER</u>	<u>MODEL</u>	<u>MANUF</u>	<u>MOTOR[S]</u>	<u>RESULT</u>
1	Matthew Filler	Space Shuttle	Estes	E C6-3	Good Flight
2	Matthew Filler	Space Shuttle	Estes	E C6-3	Good Flight
3	Matthew Filler	Space Shuttle	Estes	E C6-3	OUCH!!
4	Matthew Filler	Delta Clipper	Estes	E B4-4	Good Flight
5	Lori Filler	Cheetah	Aerotech	AT F14-6J	Good Flight
6	Lori Filler	Maniac	Estes	AT E15-7WL	Good Flight
7	Dale Greene	Das Blue Max	ORI	AT G64-7RMS	In a tree
8	Tom Anderson	Vigilante	Scratch	E A10-0/A10-3	Good Flight
9	Tom Anderson	Ranger	Scratch	E C5-3 [3]	Good Flight
10	Tom Anderson	Hermes	Orion	E A3-4 [4]	Good Flight
11	Tom Anderson	Vigilante	Scratch	E A10-0/A10-3	Good Flight
12	Tom Anderson	Deltie	Edmunds	E 1/2A3-2	Good Flight
13	Tom Anderson	TurboCopter	Estes	E A8-5	Good Flight
14	Tom Anderson	Micron	Estes	E A10-3	Good Flight
15	Tom Anderson	Scout III	Estes	E 1/2A3-4	Good Flight
16	Jennifer Ash-Poole	Strike Fighter	Estes	E C6-3	Good Flight
17	Jennifer Ash-Poole	Strike Fighter	Estes	E C6-5	Good Flight
18	Justin Gleiter	V-2	Estes	AT D13-4RMS	Good Flight
19	Justin Gleiter	Li'l Nuke	LOC	AT F39-6RMS	Good Flight
20	Justin Gleiter	Falcon	THOY	AT H73-5J	GF-332 meters
21	Steve Decker	Venus Probe	Estes	E C6-5	OUCH!!!!
22	Steve Decker	Initiator	Aerotech	AT F14-4J	Unknown
23	Rich White	IRIS	Estes	E B4-4	Good Flight
24	Rich White	IRIS	Estes	E A8-3	Good Flight
25	Scott Tyrrell	Cheetah	Aerotech	AT E28-7RMS	Good Flight
26	Scott Tyrrell	Initiator	Aerotech	AT F39-6RMS	Good Flight
27	Scott Tyrrell	Skywinder	Estes	E C5-3	Good Flight
28	Scott Tyrrell	Beater	Scratch	Vulcan G200-7	GF-180 meters
29	Scott Tyrrell	Cheetah	Aerotech	AT F24-7RMS	Good Flight
30	Ken Brown	Helicopter Dur.	Scratch	E C6-3	GF - 101s
31	Ken Brown	Mary Poppins	QCR	E D12-0	Good Flight
32	Ken Brown	Bat & Ball	QCR	E D12-3	Good Flight
33	Ken Brown	Helicopter Dur.	Scratch	E C6-3	Good Flight
34	Ken Brown	Bat & Ball	QCR	E D12-3	Good Flight
35	Dan Winings	Peacock	THOY	AT G64-7RMS	Good Flight
36	Dan Winings	Initiator	Aerotech	AT F12-5RMS	Good Flight
37	Dan Winings	Peacock	THOY	AT G33-5RMS	Good Flight
38	Bobby Gormley	Unknown	Unknown	Unknown	Unknown!!
39	Bobby Gormley	Unknown	Quest	? F110-10	Gone
40	Robert Gill	Alpha III	Estes	E C6-5	Good Flight
41	Robert Gill	Bailout	Estes	E B6-4	Good Flight
42	Robert Gill	Big Bertha	Estes	E C6-5	Good Flight
43	Robert Gill	Shadow	Estes	AT E28-4RMS	Good Flight

44	Warren Sisco	SR-71	Hobbylab	AT E16-4RMS	PRANG
45	Warren Sisco	Nike-Smoke	Cosmodrome	RF F50-5	Unknown
46	Warren Sisco	ASAT-21X	NCR	AT H128-6	GF-237m
47	Warren Sisco	Centaurus	Scratch	AT F40-7RMS	Unknown
48	Bill Rhoat	Space Racer	Estes	E A8-3	Good Flight
49	Bill Rhoat	Wasp	THOY	FSI E60-6	CATO
50	Bill Rhoat	X-15	Estes	E A10-3	Good Flight
51	Bill Rhoat	V-2	MTSH	E E15-4	Good Flight
52	Bill Rhoat	Astrocarn	Estes	E C6-7	Good Flight
53	Bill Rhoat	Big Rage	Quest	E C6-5	Good Flight
54	Charlie Sykos	Warthog	Aerotech	AT F12-5RMS	Good Flight
55	Charlie Sykos	Broadsword	Estes	AT E28-7RMS	Good Flight
56	Charlie Sykos	Unknown	Unknown	AT F39-6RMS	Unknown
57	Charlie Sykos	Unknown	Unknown	AT F40-4RMS	Unknown
58	Charlie Sykos	Initiator	Aerotech	AT F12-5RMS	Good Flight
59	Charlie Sykos	Patriot	Scratch	AT E28-7RMS	Splat
60	Charlie Sykos	IQSY Tomahawk	Aerotech	AT E23-5RMS	Good Flight
61	Charlie Sykos	Spirit of NOVAAR	Scratch	AT G64-10RMS	Good Flight
62	Charlie Sykos	Mustang	Aerotech	AT E28-7RMS	Good Flight
63	George Beaver	Mustang	Aerotech	AT E30-4T	Good Flight

### Sport Flight Statistics

Number of flyers: 17

#### Models Flown

19	Estes
1	North Coast Rocketry
6	Aerotech
2	Qualified Competition
1	Original Rockets, Inc.
2	Quest
1	Hobbylab
1	Orion Rocket Works
3	THOY
1	Cosmodrome Rocketry
1	Mountainside Hobbies
1	Edmunds Aerospace
1	LOC/Precision
9	Scratchbuilt
2	Unknown

#### Motors Used

38	Estes
1	Vulcan
6	Aerotech Single Use
21	Aerotech RMS
1	Rocketflight
1	Flight Systems, Inc
1	Unknown
2	1/2A
11	A
3	B
16	C
4	D
11	E
13	F
4	G
2	H
1	Unknown