

COUNTDOWN

Official Newsletter of SPAAR
THE SOUTHERN PENNSYLVANIA AREA ASSOCIATION OF ROCKETRY



- *November & December Sport Launches*
- *1999 SPAAR Calendar*

COUNTDOWN

Volume 11, Issue 6
November/December 1998

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COUNTDOWN is the newsletter of SPAAR, the Southern Pennsylvania Area Association of Rocketry, NAR Section #503. **COUNTDOWN** is published 6 times a year for the benefit of SPAAR club members. Any information contained in **COUNTDOWN** may be used as long as proper credit is given. Please address all correspondence to:

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<http://www.cyberia.com/pages/feveryear/index.htm>

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<http://members.aol.com/rcbrustee/index.html>



The Editor's Corner

This month, thanks go out to George Beever and Rick Hackman for contributing to this issue of the Countdown.

Well, this is it for my stint as newsletter editor. I hope everyone has enjoyed the

Countdown over the last two years. Again, I would like to thank all of those who have contributed, and would like to ask club members to try to help Mark out with future issues. Remember, your contributions are what make or break the Countdown.

Randy

Section News Notes

November 27th Launch Blown Away: If you didn't make the Day After Thanksgiving launch at the new Hoover Farm loca-

tion, don't worry, you didn't miss much. Due to strong winds, the official club launch equipment was never even set up. Some people flew on their own, but most packed it in after about an hour.

Section Meeting Minutes by George Beever

November 20th, 1998

Meeting called to order at 7:10PM.

Present: G. Beever, T. Dinger, G. Feveryear & family, D. Greene, R. Hackman, M. Kamide, F. Murphy, D. O'Neal & family, T. Rossi, M. Zimmerman.

From the President: The Turkey Day+1 Launch will be held on November 27th from 9AM to 1PM at Hoover Farm. G motors will be the limit until we see how things go.

The December 13th Sport launch will be held from 1PM to 5PM, with the location to be determined, depending on how well things go November 27th.

The SPAAR Family Dinner is tentatively scheduled for Saturday, January 23rd, 1999, from 6PM to 9PM. We will try to get the Sunset Diner in Ephrata again.

The 1999 club schedule was reviewed, with comment. Nominations were taken for 1999 club officers.

The president will assume responsibil-

ity for the newsletter as of January 1st, 1999. Send submissions to Mark Kamide.

The "Kill The Keystone Kampaign" will go on, and on, and on, with a selection planned at the Family Dinner.

The Winter Workshop Program was discussed. If you ordered a kit, see George.

Tony Rossi was reminded about the membership cards.

The winter trip to Goddard Space Flight Center in Greenbelt, MD, is planned for February 21st. The caravan will leave at 7:30AM from the Bon-Ton parking lot at Park City, Lancaster. Mark Kamide will provide all of the food. Not really, but we want to see if you are paying attention. Feel free to bring a small rocket to fly.

Committee Reports:

Treasurer: George Beever reported that as of 11/20/98, there is a balance in the checking account of \$727.08.

Section Advisor: Glenn Feveryear went over the NAR "Needs Fixin' Survey" with those present. He discussed the Facility

continued on page 4...

In this Issue

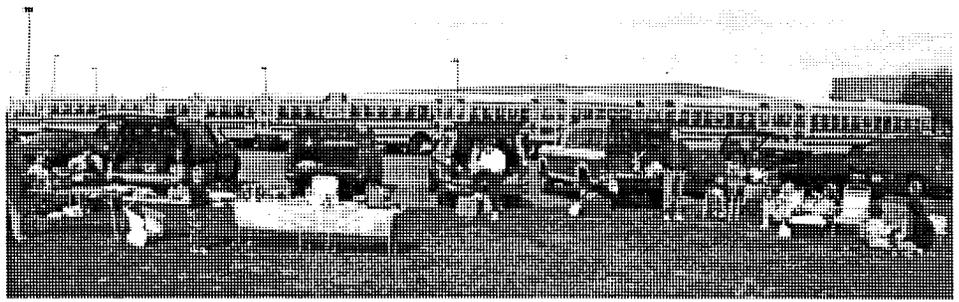
Editor's Corner	Page 2
Section News Notes	Page 2
Section Meeting Minutes	Page 2
Sport Launch, November 1 st	Page 3
Sport Launch, December 13 th	Page 4
SPAAR 1999 Calendar	Page 5

On the Cover

Chris Taylor's SR-71 radio controlled glider is off on an Aerotech E15 at SPAARSPAM '98. (Hackman)

SPAAR Sport Launch

November 1st, 1998



Munchin' and flyin' rockets at SPAARSPAM 1998. (Hackman)

#	Flyer	Model	Motors	Result	#	Flyer	Model	Motors	Result
1	Mike Beaupre	Estes F-14 Tomcat	Estes C6-5	Good Flight	36	Stephen Knight	Launch Pad Maverick	Estes D12-5	Good Flight
2	Mike Beaupre	Estes F-14 Tomcat	Estes C6-5	Good Flight	37	Stephen Knight	Launch Pad Nike-Pup	Estes D12-5(3)	Good Flight
3	Mike Beaupre	Scratch Informa	Estes C6-5	Good Flight	38	Stephen Knight	Scratch Razumov-Shtern	Estes A10-3T	Good Flight
4	Mike Beaupre	Estes Phoenix	Aerotech E15-4W	Separation	39	Craig Myers	Aerotech Arcas	Aerotech RMS F40-4W	Good Flight
5	Mike Beaupre	Estes Phoenix	Estes D12-5	Good Flight	40	Craig Myers	Aerotech Arcas	Aerotech RMS F40-4W	Good Flight
6	Donna Dinger	Estes ARV Condor	Estes C6-5	Good Flight	41	Craig Myers	LOC Forte	Aerotech RMS F40-4W	Good Flight
7	Donna Dinger	Estes Sizzler	Estes C6-5	Rocketlok	42	Janet Myers	Estes Screaming Eagle	Estes C6-5	Good Flight
8	Jenny Dinger	Estes Fatboy	Estes C6-5	Good Flight	43	Matthew Myers	Estes Corkscrew	Estes C6-5	Good Flight
9	Jenny Dinger	Estes Fatboy	Estes C6-5	Good Flight	44	Matthew Myers	Estes Corkscrew	Estes C6-5	Good Flight
10	Melanie Dinger	Estes Bandit	Estes C6-5	Good Flight	45	Matthew Myers	Estes Corkscrew	Estes C6-3	Good Flight
11	Tim Dinger	Impulse Aero. Check Six	Estes D12-5	Good Flight	46	Matthew Myers	Estes Matt's Machine	Estes D12-5	Good Flight
12	Tim Dinger	Quest Tomahawk	Estes C6-5	Good Flight	47	Matthew Myers	Estes R2D2	Estes C6-3	Good Flight
13	Glenn Feveryear	Aerotech Arreaux	Aerotech E15-4W	Separation	48	Matthew Myers	Estes R2D2	Estes C6-3	Separation
14	Jeremy Fisher	Estes Firestreak	Estes A8-3	Good Flight	49	Matthew Myers	Estes Skydive	Estes C6-5	Good Flight
15	Jeremy Fisher	Estes Firestreak	Estes C6-5	Good Flight	50	Tony Rossi	MSH Mercury Redstone	NCR F62-4	Good Flight
16	Jeremy Fisher	Estes Firestreak	Estes C6-7	Good Flight	51	Tony Rossi	Scratch No Name	Aerotech RMS E18-7W	Separation
17	Ken Fisher	Estes ARV Condor	Estes C6-3	Good Flight	52	Brian Royer	Estes Big Bertha	Estes C6-5	Good Flight
18	Bradley Frisbie	Estes Alpha	Estes A8-3	Good Flight	53	Brian Royer	AAA Lasersonic	Aerotech RMS F40-4W	Good Flight
19	Bradley Frisbie	Estes Alpha	Estes A8-3	Good Flight	54	Brian Royer	Estes Mosquito	Estes A10-3T	Good Flight
20	Bradley Frisbie	Estes Deathstar	Estes B4-2	Good Flight	55	Brian Royer	Thoy Sparrowhawk	Aerotech RMS F40-7W	Good Flight
21	Bradley Frisbie	Estes Deathstar	Estes B4-2	Good Flight	56	Justin Schmidt	Estes Bandit	Estes B4-2	Good Flight
22	Bradley Frisbie	Estes Deathstar	Estes C6-3	Good Flight	57	Justin Schmidt	Estes Flash	Estes B4-2	Good Flight
23	Bradley Frisbie	Estes Manta	Estes A8-5	Good Flight	58	Justin Schmidt	Estes Hijax	Estes B4-2	Good Flight
24	Jim Frisbie	Estes Constellation	Estes B6-2	Good Flight	59	Justin Schmidt	Estes Silver Comet	Estes D12-5	Good Flight
25	Jim Frisbie	Estes Constellation	Estes B6-2	Good Flight	60	Chris Taylor	Estes Amraam 24mm	Estes D12-3	Good Flight
26	Jim Frisbie	Estes Constellation	Estes A8-5	Good Flight	61	Chris Taylor	Estes Exocet	Estes 1/2A3-2T	Good Flight
27	Jim Frisbie	Estes LSX	Estes B4-2	Good Flight	62	Chris Taylor	Edmonds Gemini Thunder	Estes D12-3	Unstable
28	Jim Frisbie	Estes LSX	Estes B4-2	Good Flight	63	Chris Taylor	Scr. MPGB Turbo 2000	Estes C6-3	Good Flight
29	Jim Frisbie	Estes USA	Estes B6-4	Good Flight	64	Chris Taylor	Scr. MPGB Turbo 2000	Estes C6-3	Good Flight
30	Rick Hackman	Scratch Asroc	Estes D12-3	Good Flight	65	Chris Taylor	Scr. MPGB Turbo 2000	Estes C6-3	Good Flight
31	Rick Hackman	Scratch Hawk	Estes D12-3	Good Flight	66	Chris Taylor	Estes Nike Arrow	Estes 1/2A3-2T	Good Flight
32	Rick Hackman	Scratch Lacrosse	Estes D12-3	Good Flight	67	Chris Taylor	Estes Scout I	Estes A8-3	Good Flight
33	Stephen Knight	Launch Pad AIM-4C	Estes D12-3	Good Flight	68	Chris Taylor	Hobbylabs SR-71 R/C	Aerotech E15-PW	Good Flight
34	Stephen Knight	Aerotech Arcas	Aerotech RMS F40-4W	Good Flight	69	Chris Taylor	Hobbylabs SR-71 R/C	Aerotech E15-PW	Good Flight
35	Stephen Knight	? Colonial Viper PMC	Estes C6-3	Separation					

Launch Statistics - November 1st, 1998

Number of Flyers: 19 Weather: ??

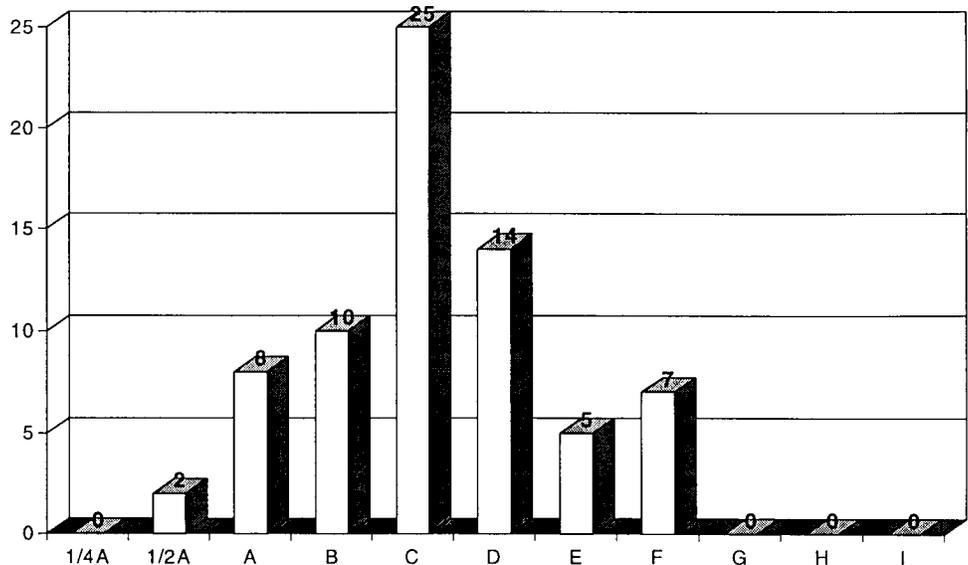
Models Flown:

Estes	29
Scratchbuilt	8
Aerotech	3
Launch Pad	3
A.A.A.	1
Edmonds Aerospace	1
HobbyLobby	1
Impulse Aerospace	1
LOC/Precision	1
MSH	1
Quest	1
Thoy	1

Motor Usage:

Estes	59
Aerotech RMS	7
Aerotech	4
NCR	1

Impulse Distribution:



...Meeting Minutes from page 2

Utilization Form that we will be filing with Cocalico School District. He also led a discussion on the latest news from the BATF, Aerotech, and the NAR.

New Business: Rita Feveryear thanked the membership for the flowers sent to her after her recent stroke.

The meeting adjourned at 9:15PM.

December 18th, 1998

Meeting called to order at 7:13PM.

Present: G. Beever, D. Greene, M. Kamide, F. Murphy, T. Rossi, J. Yost.

From the President: The January 3rd sport launch will be held from 1PM to 5PM at Hoover farm. The event will be "Best Sci-

Fi Rocket". Measurements of the field indicate that it is acceptable for H motors, maximum 125 gm of propellant and 3.3 lbs.

There will be a meeting/workshop on January 16th, from 9AM to 1PM, at Apria unless otherwise notified.

The SPAAR Family Dinner will be on January 23rd from 6PM to 9PM at the Sunset Diner, Ephrata. The dinner will cost \$9.95 each for adults, half price for children under 16. This price does not include drinks. The price does include the soup and salad bar and prime rib buffet. Please notify George at 733-4170 by January 16th to attend.

Committee Reports:

Treasurer: George Beever reported a balance in the checking account of \$693.69, with about \$100 petty cash on hand.

Newsletter: Mark will assume the newsletter duties from Randy as of January 1st.

Section Advisor: Glenn wasn't present, but George reminded everyone to consider NAR insurance, and if you do renew around the first of the New Year, remember to notify the NAR of your section affiliation.

Competition: Glenn wasn't present, but Mark stated that there will be an NAR event scheduled for each sport launch in 1999. Mark will ask Glenn to oversee this.

New Business: The trip to Goddard Space Flight Center is scheduled for February 21st.

Mark reminded everyone to display their membership cards at launches. The membership cards will be mailed along with the newsletters in the future.

Concern was expressed about the use of the Apria Community Room in 1999 for meetings. The status of the Apria company appears to be uncertain at this time.

The meeting adjourned at 9:05PM. *CD*

SPAAR Sport Launch

December 13th, 1998

#	Flyer	Model	Motors	Result	#	Flyer	Model	Motors	Result
1	Rick Hackman	Scratch Lacrosse	Estes D12-3	Good Flight	8	Tony Rossi	MSH Mercury Redstone	NCR F62-4	Good Flight
2	Rick Hackman	Scratch Lance	Estes D12-5	Good Flight	9	Tony Rossi	Scratch No Name	Aerotech RMS E18-7W	Good Flight
3	Rick Hackman	Scratch Phoenix	Estes D12-5	Good Flight	10	Tony Rossi	Scratch No Name	Aerotech RMS F39-6T	Good Flight
4	Rick Hackman	Scratch Sub Roc	Estes C6-3	Lawn Dart	11	Tony Rossi	Scratch No Name	Aerotech RMS F12-3J	Good Flight
5	Aaron Hutchinson	Rocket R&D Wren	Estes D12-5	Good Flight	12	Matt Zimmerman	Estes Copper Comet	Estes C6-5(3)	Good Flight
6	Bryce Hutchinson	Estes F22	Estes C6-3	Good Flight	13	Matt Zimmerman	Scratch Silver Comet 4.0	Aerotech G40-4W	Good Flight
7	Bryce Hutchinson	Estes Nike Arrow	Estes A3-4T	Good Flight	14	Matt Zimmerman	MSH V-2 4.0	Aerotech G80-7T	Cato

Launch Statistics - December 13th, 1998

Number of Flyers: 5 Weather: Cold, windy

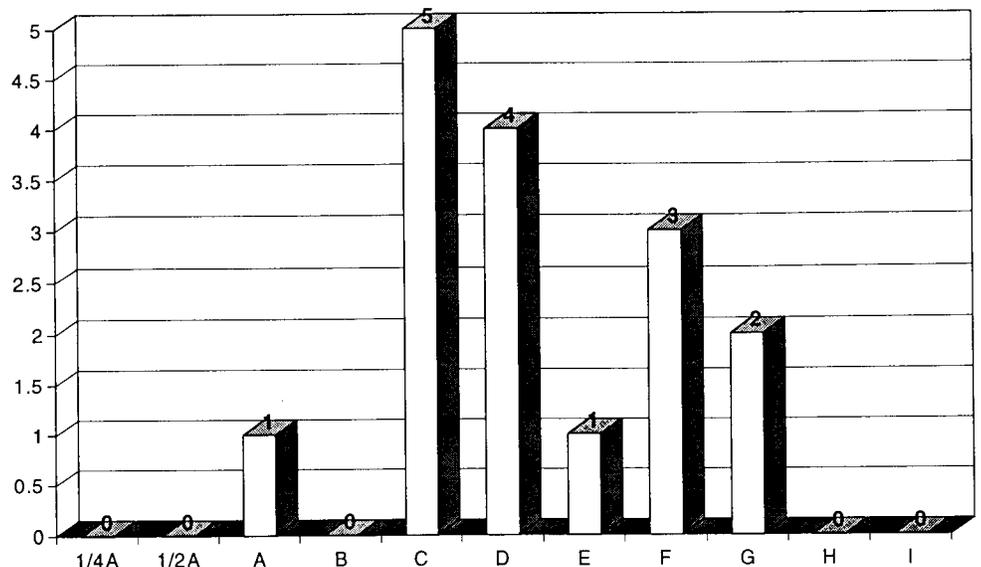
Models Flown:

Scratchbuilt	6
Estes	3
MSH	2
Rocket R&D	1

Motor Usage:

Estes	10
Aerotech RMS	3
Aerotech	2
NCR	1

Impulse Distribution:



SPAAR

1999 Calendar of Events

January

Sunday 3rd Sport Launch (Best Sci-Fi Rocket), Hoover Farm, New Holland, PA, 1PM-5PM
 Saturday 16th Workshop/Meeting, APRIA Community Room, Lancaster, PA, 9AM-1PM
 Saturday 23rd SPAAR Family Dinner, Sunset Diner, Ephrata, PA, 6PM-9PM

February

Sunday 7th Sport Launch (Best NASA Sport Scale Rocket), Hoover Farm, New Holland, PA, 1PM-5PM
 Saturday 20th Workshop/Meeting, APRIA Community Room, Lancaster, PA, 9AM-1PM
 Sunday 21st SPAAR Trip to Goddard Green Belt, 7:30AM-5PM

March

Sunday 7th Sport Launch (Best Military Sport Scale Rocket & Open Spot Landing Contest), Hoover Farm, New Holland, PA, 1PM-5PM
 Saturday 20th Workshop/Meeting, APRIA Community Room, Lancaster, PA, 9AM-1PM

April

Sunday 11th Sport Launch (Best Upscale Rocket & B Helicopter Duration Contest), Hoover Farm, New Holland, PA, 1PM-5PM
 Friday 16th Business Meeting, APRIA Community Room, Lancaster, PA, 7PM-9PM

May

Friday 21st Business Meeting, APRIA Community Room, Lancaster, PA, 7PM-9PM
 Sunday 30th Sport Launch/Section Meet (B Eggloft Duration & 1/2A Helicopter Duration MR), Cocalico High School, Denver, PA, 9AM-5PM

June

Friday 11th Business Meeting, APRIA Community Room, Lancaster, PA, 7PM-9PM
 Saturday 19th-Sunday 20th RAMTEC-7, Hosted by SPAAR, Center Valley, PA, Saturday 9AM-6PM, Sunday 9AM-2PM

July

Sunday 11th Sport Launch (Ugliest Rocket & B Streamer Duration Contest), Cocalico High School, Denver, PA, 3PM-7PM
 Friday 16th Business Meeting, APRIA Community Room, Lancaster, PA, 7PM-9PM

August

Sunday 1st Sport Launch (Best Sport Scale Rocket), Cocalico High School, Denver, PA, 3PM-7PM
 Saturday 7th-Saturday 14th NARAM 41, Pittsburgh, PA
 Friday 20th Business Meeting, APRIA Community Room, Lancaster, PA, 7PM-9PM

September

Sunday 5th Sport Launch (Best Paint Scheme & B Eggloft Altitude Contest), Cocalico High School, Denver, PA, 1PM-5PM
 Friday 17th Business Meeting, APRIA Community Room, Lancaster, PA, 7PM-9PM

October

Sunday 3rd Sport Launch (Best Cluster Rocket & 30 Second Set Duration Contest), Cocalico High School, Denver, PA, 1PM-5PM
 Friday 15th Business Meeting, APRIA Community Room, Lancaster, PA, 7PM-9PM

November

Sunday 7th SPAARSPAM, Cocalico High School, Denver, PA, 1PM-5PM
 Friday 19th Business Meeting, APRIA Community Room, Lancaster, PA, 7PM-9PM
 Friday 26th Sport Launch/Section Meet (A Boost Glider & B Helicopter Duration), Hoover Farm, New Holland, PA, 1PM-5PM

December

Sunday 5th Sport Launch (Best Old Time Rocket), Hoover Farm, New Holland, PA, 1PM-5PM
 Friday 17th Business Meeting, APRIA Community Room, Lancaster, PA, 7PM-9PM

Note: Cocalico High School supports up to 80Ns total impulse flights (equivalent of 1 full F motor). At Hoover Farm we will be flying under FAA Notification limits. This limits the total model weight to 3.3 pounds with a maximum total propellant weight of 125 grams (small H motor). Any changes to the schedule will be announced in future Countdowns.