

*The Southern Pennsylvania Area
Association of Rocketry*

COUNTDOWN

Volume 2 No.7
December 1989

Merry



Christmas!

The SPAAR Countdown

Volume 2, Issue 7

December, 1989

The SPAAR Countdown is the newsletter of the Southern Pennsylvania Area Association of Rocketry, NAR Section #503, PO Box 127, Reamstown, PA 17567, and is intended for the enjoyment of it's members and subscribers. Non-member subscription rate, \$5 per year.

Thanks this month to:

John Yost, Bruce Canino, Glenn Feveryear, and Mark, the Wonder Baby

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SCHEDULE

Dec. 18, 7PM to 9PM:
Section Meeting, LPL.

Dec. 30, 10AM to 4PM:
Winter Workshop, Delta
Fire Co., Delta, PA.
Building session, pizza, videos.

Jan. 13, 6PM - ?
Family Dinner, Bonanza
Restaraunt, Lancaster.

Jan. 15, 7PM to 9PM:
Section Meeting, LPL.

Jan. 27, 10AM to 4PM:
Winter Workshop, Delta
Fire Co., Delta, PA.
Helicopters.

Feb. 17, 10AM to 4PM:
Winter Workshop, Delta
Fire Co., Delta, PA
Boost/ and Rocket/Gliders.

Feb. 19, 7PM to 9PM:
Section Meeting, LPL.

QUOTE OF THE MONTH DEPARTMENT:

In reference to the cover of
the November issue of the Countdown:
"....aren't those cardboard
cutouts that Ed Miller is
posing with?"

-Kevin Funk, WARP-9
DART, San Diego, CA

IN THE NEXT ISSUE OF THE COUNTDOWN:

Everything you always wanted to
know about SPAAR but were afraid
to ask!!

- Membership Roster
- The SPAAR Record Book
- US Performance Records
- 1989 in Review
- All kinds of stuff!!!

SECTION MEETING MINUTES, 11/20/89

Present: G. Feveryear, R. Feveryear, R. Rhoat, W. Rhoat, D. Greene, R. Hackman, J. Yost, E. Miller, G. Beever.

I. Old Business: Section Advisor John Yost reported that he had checked with the management of the Bonanza Restaruant on Center-ville Rd., Lancaster, on the use of that facility for the SPAAR family dinner. This will be held on Saturday, Jan. 13 at 6 PM. Those who plan to attend should send a \$5 deposit to Activities Chairman Dale Greene. This will be refunded at the door.

II. New Business:

1. Activities: Dale Greene stated that he would check into using some of the Armstrong Co. property for club launches.

2. Section Advisor's Report: John Yost urged all members to vote in the SPAAR elections.

3. Treasurer's Report: Ed Miller reported that there are 32 paid members, and a balance in the General Fund of \$169.81.

4. Competition Committee: Glenn Feveryear passed around a listing of current US model rocket performance records which he had received from Dan Winnings of NOVAAR. Club Record certificates were passed out. He also stated that he has access to a computer which might be able to produce mailing lists.

5. Newsletter: George Beever requested permission to begin publishing an expanded version of the Countdown on a bi-monthly basis, beginning in January, 1990. A motion to allow this was made by Glenn Feveryear, seconded by John Yost, and passed by voice vote.

Other new business:

1. The Winter Workshop planned for Dec.9 has been re-scheduled for Dec. 30, 10 - 4. This was due to a scheduling problem at the Delta Fire Co. hall.

2. Glenn Feveryear initiated a discussion on the Section's competition plans for 1990. The Section has 6 Contest Factors to use in the remaining months of the 89-90 contest year. It was decided to attend the WUBBA Regional Meet in June, NICE-10 in April, and to hold the SPAARSEC-2 Section Meet in May.

3. It was decided to attempt to hold an NAR sanctioned Open Meet in September, 1990, providing a suitable launch area can be located.

4. It was also decided to hold an NAR sanctioned Record Trial in July, 1990.

The meeting adjourned at 8:50PM.

SECTION NEWS NOTES

As noted in the minutes of the November Section meeting, the Countdown will go to a bi-monthly schedule beginning in January, 1990. However, each individual issue will be larger and of hopefully better quality.

I realize that many of you enjoyed receiving a newsletter once a month, and quite frankly, if it were feasible, this would continue. But just as frankly, it is not.

With an expanded format and a bit more time to put the Countdown together, the goals of having a club newsletter in the first place should be realized.

As always, in fact more so now, input is needed from the membership and readers of the Countdown. A good number of articles, plans, cartoons, and ideas have been flowing in during the past few months. PLEASE KEEP THEM COMING!!!! If your plan or article is not published during the month that you submit it, please don't feel that you've wasted your time.

I gaurantee it will be used.

To the subscribers who are not SPAAR members: we will adjust the expiration dates of your subscription accordingly. For example: if your subscription is due to expire at the end of June, you will still receive the July/August edition.

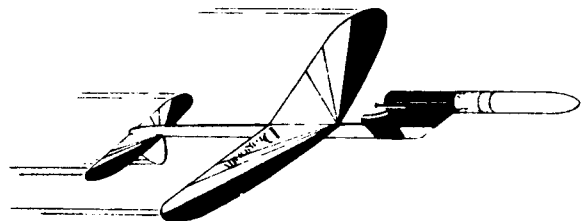
Thanks to all for your understanding.

THE SPAAR FAMILY DINNER

The first SPAAR Family Dinner will be held on Saturday, January 13, 1990, at the Bonanza Family Restaurant in Lancaster, beginning at 6 PM. A \$5 per-family deposit should be sent to Dale Greene, 16 Knollwood Dr., Akron, PA, 17501, no later than January 6. This deposit will be refunded on the night of the dinner. This is being done to assist the restaurant in knowing ahead of time how many people to expect.

Everyone will purchase his or her own meal, with a separate dining room being provided. Please make plans to attend.

For more information or directions, contact Section Advisor John Yost at 717-684-9519, evenings before 9 PM.

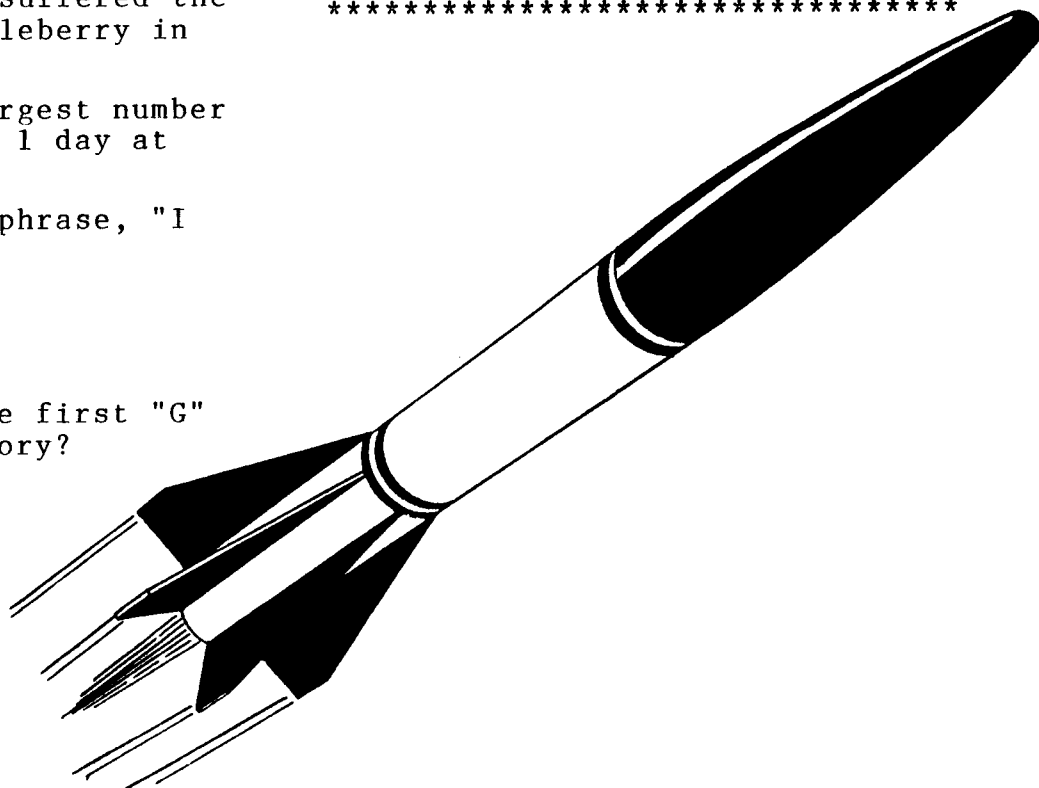


THE GREAT SPAAR QUIZ, PART 1

Here's a little quiz to test your knowledge of SPAAR history, legend, and lore. Questions 1 through 15 are worth 6 points each; #16 is a real teaser, and is worth 10 points. Take 15 points off of your score if you look up the answers in back issues of the Countdown. Answers are on Page 9. Have Fun!

1. SPAAR was not always called SPAAR. We were originally called:
 - A. EPCAC
 - B. LARC
 - C. RCMP
 - D. NATO
 2. Who made the first flight at the first club launch?
 - A. Glenn Feveryear
 - B. Mark Snyder
 - C. Ed Miller
 - D. John Yost
 3. Who was LCO at the first club launch?
 4. SPAAR's first contest was called UNCLE-1. What did UNCLE stand for?
 5. What was the first NAR sanctioned competition in which SPAAR members flew representing the club?
 6. Eggloft is an event known for it's sometimes messy results; what SPAAR member suffered the first cracked cackleberry in SPAAR history?
 7. What was the largest number of flights made in 1 day at a SPAAR event?
 8. Who coined the phrase, "I build for speed"?
 - A. Fred Hoke
 - B. Ed Miller
 - C. Bob Balogh
 9. Who launched the first "G" motor in club history?
 - A. Fred Hoke
 - B. Ed Miller
 - C. Bob Balogh
 10. Who consistently flies in the "E" power range?
 - A. Fred Hoke
 - B. Ed Miller
 - C. Bob Balogh
 11. Comet Field in Lancaster was the sight of one SPAAR Sport Launch. What was the month and year?
 12. Who was the LCO the day Comet Field was used?
 13. What rocket is the unofficial mascot of SPAAR?
 14. Who was the "Mouth From the South"?
 15. What was the greatest number of flights made at a SPAAR Sport Launch? The fewest? (Do not be confused with Question 7!)
- Heres the biggee... 10 points:
16. Who were the club's original members? HINT: There were nine.

ANSWERS ON PAGE 9.



THE VACUUM-15 OPEN MEET

On October 15, SPAAR members Dale Greene, George Beever, along with Glenn and Rita Feveryear, made the trek to Manassas, Virginia to compete in the VACUUM-15 Open Meet. This annual event is sponsored by the Northern Virginia Association of Rocketry, NOVAAR.

Coming as it was, almost on the heels of the NOVAAR-run NARAM-31, VACUUM was well attended by flyers from at least four states, representing 5 different NAR Sections.

The Indian Summer weather could not have been better; it was an unusually warm October day, with a slight breeze from the SW. The only drawback was the large number of airborne spiders. If you weren't careful, they would web up your model while it was on the pad and take it into the air before you were ready to fly!

The first event that most contestants flew was A PD Multi. With the thermals up and active, those who flew the smaller 13mm models needed good legs and eyes to keep the rockets in view. The winning strategy appeared to be using the wider 18mm tubing with a mini-engine, coupled to a very large parachute. The larger, heavier models attained less altitude, but the bigger chutes made up the difference. NOVAAR's Trip Barber took this event with a total 773 seconds.

Dan Domina took B Helicopter using what appeared to be a Rose-a-Roc/RotaRoc hybrid with a thrust augments; he turned in 221 total seconds. Trip Barber, George Beever and Will Whitman took second through fourth, only 7 seconds apart. Dan struck again in A SRA with 736 mtrs; close behind was Dr. Bob! with 710.

The two other altitude events were just as close. The JP+1 Team had their B Payload model tracked to 203 mtrs for first place; their D Dual Eggloft model to 251 and a tie with Trip Barber for first.

In 1/2 A SD Multi there was a 4-way tie for first when 4 contestants all had 3 60-second maxes. The results (left, courtesy of the NOVAAR Free Press) show how that one came out!

Our thanks to all of the NOVAAR gang for yet another well-run enjoyable meet!

VACUUM RESULTS

	A SR	B PAYD	Dual Egg	A PD (MR)	B HELI	1/A SD (MR)	PT TOTALS
A DIVISION							
Barber Girls	540		201	91	125	133	648
Matt Whymark	622	157	DQ	184	DQ	117	292
Jason Whymaek	450/NC		162	180	DQ	129	232
John Musarra	606		152	87		60	150
Marie Mussara	450/CTO	140		208		40	134
Hubert Tsong				27	79	40	130
Ben Beyer	306/TL		DQ		68		92
Erin Whymark	DQ		144		9	56	74
Fox/Ozier						DQ	0
C DIVISION							
Dan Domina	736	168	239	453	221	251	610
Trip Barber	676	188	251	773	125	17	606
Jankov-Pavlov + 1	616	203	251	648	35	50	482
Ed Gualiano	606	180	228	669	66	180	256
Dr. Bob Kreutz	710	195	BROKEN	180	DQ	118	164
George Beever	DQ	166	BROKEN	256	120	180	142
Glen Feveryear	450/NC	165	205	461	87	165	130
Frank McMullen	662					251	112
Will Whitman	461	136	DQ	180	118	114	84
East Meets West		162	NR			218	72
Craig Phillips	663	186		31		62	68
Don Rothenberger	594		160	323		54	60
Ken Brown	655	132		137	103	42	54
Tom Whymark	662	139		29	DQ	58	44
Dale Green	DQ	149		488		138	42
Jonathan Rains		125	BROKEN	223		8	32
Kynn Thomas	160						12

Club Totals:

- NOVAAR 2116
- GSS 1090
- IND 850
- SPAAR 314
- CARS 256
- NARHAMS 96

PROPOSED SPAAR SCHEDULE FOR 1990

The schedule listed below is provisional; it is meant to give the membership an idea of what is planned for 1990.

The flying sight(s) have not yet been determined, and the dates for the Record Trial and Open Meet have not been determined officially. It is planned to finalize this schedule at the December section meeting.

The dates for the section meetings are firm, as they follow the third Monday of the month format. In addition, the practice events for the sport launches have not yet been determined.

Jan 15 Meeting

Jan 27 Workshop; Helicopter recovery

Feb 17 Workshop; Gliders

Feb 19 Meeting

Mar 10 Workshop; High Power Rocketry

Mar 19 Meeting

Apr 1 Sport Launch

Apr 16 Meeting

Apr 22 Sport Launch

Apr 29 NICE-10 Open Meet, Manassas, VA (NOVAAR)

May 20 SPAARSEC-2 Section Meet

May 21 Meeting

Jun 10 Sport Launch

Jun 16-17 WUBBA-13 Regional Meet, Allentown, PA (PULSAR)

Jun 18 Meeting

Jul 1 Sport Launch

Jul 16 Meeting

Jul 22 Sport Launch and Record Trial

Aug 12 Sport Launch

Aug 20 Meeting

Sept 1 or 2 SPAAR Open Meet

Sept 17 Meeting

Sept 23 Sport Launch

Oct 14 Sport Launch

Oct 15 Meeting

Nov 4 SPAARSPAM-2

Nov 19 Meeting

Dec 17 Meeting

...And for the
Latest

RUMORS...

Issue #60 of the Launch Rack, the newsletter of GSSS, arrived here recently; indications are that they will move their GODDARD Open Meet from March to June next year... the cover of this issue displays four photos taken by editor Bruce Canino at the JOISEE-V Regional in October, and include two of SPAAR members. Dale Greene is shown with his B Egglofter, and the other one is of some guy we don't know...the events for NARAM-32 are in, for those who may be going to Texas next August: ½A PD Multi, ½A HD, A SD Multi, B B/G, B RG, B SRA, C Altitude, D Dual Eggloft Altitude, R & D, Random Duration, Sport Scale (A & B Divisions), and Giant Sport Scale (C Division)... a positive response was received from some folks in Hershey about our use of the facilities there for an Open Meet in September, 1990, with the possibility of that we could hold SPAARSEC-2 there in May. There's a long way to go yet, folks, but at least it's a start...the 19th Pearl River Regional MODROC Seminar will be held April 20-22, 1990, in Pearl River, NY. For details, contact: Richard Nelson, 19th MODROC Seminar, Pearl River Middle School, 520 Gilbert Ave., Pearl River, NY 10965, (914) 735-2681... it appears that the NAR has a new address. A mailing was received in early November from NAR headquarters, with the return address of 1311 Edgewood Drive, Altoona, Wisconsin, 54720... has anyone heard any more on the rumor that NARAM-33 will be held in Allentown, PA? Reportedly, that one made the rounds at NARAM-31... the events for the NICE-10 Open Meet, to be held April 29, 1990: B Payload, B RG, B B/G, ½A HD, B SRA, C Altitude. (Hmmm. Sounds like a warm up for NARAM!) So, get building guys; we have all winter. If anyone needs plans for models to build for these events, contact George Beever...the East Coast Regional Meet, or ECRM, will be held during the weekend of 20-21 May, 1990. The host section is NARHAMS... SPAAR's competition meets will be SPAARSEC-2 in May, NICE-10 in April, and WUBBA-13 in June. The fact that we hope to hold an Open Meet in September forced the alteration of our competition schedule.

THE SPAAR WINTER WORKSHOPS

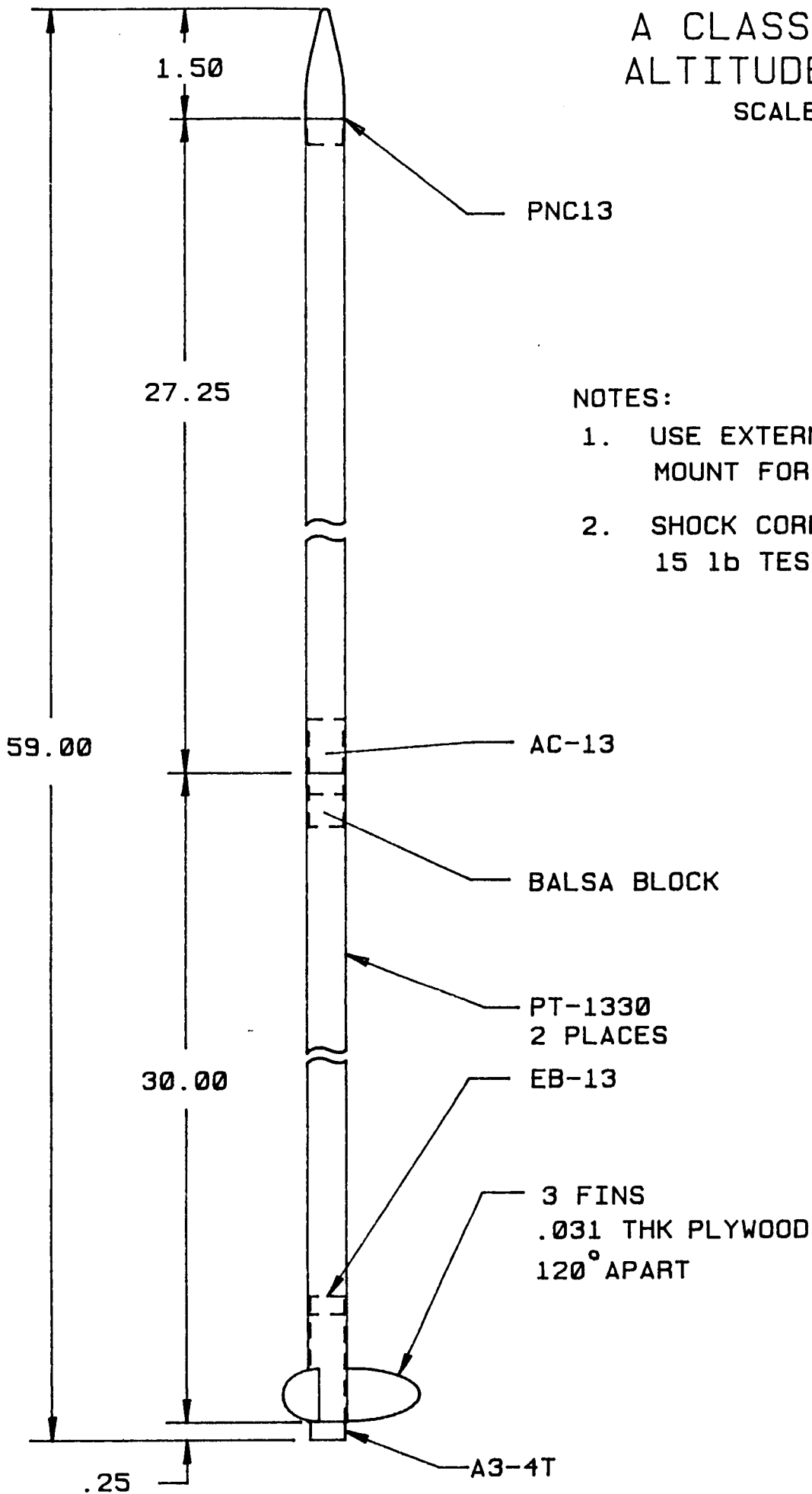
The first two Winter Workshops for 89-90 will be held on Saturday, December 30, and Saturday, January 27 from 10AM to 4PM at the Delta Fire Co. hall in Delta, PA.

The first workshop will be a combination of pizza party and building session, along with some videos to keep everybody busy! Bring whatever you want to build, and a rocket or space related video. Some of the videos available will be John Yost's NARAM-31 tape, the LOC Workshop Video, the "Rocketry Reminisces" tape produced by the NARAM-31 boys, and of course, "Mel Brooks' History of SPAAR, Part 1".

The January workshop will deal with helicopter recovery of model rockets. NOVAAR's Ken Brown has agreed to produce a limited number of his "Rotaroc" kits for our use. The cost will be between \$5 and \$6.

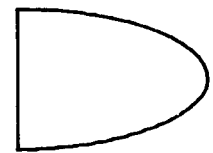
A CLASS SUPER-ROC ALTITUDE/DURATION

SCALE: 1/2



NOTES:

1. USE EXTERNAL SHOCK CORD MOUNT FOR DURATION EVENT.
2. SHOCK CORD SHOULD BE MIN 15 lb TEST.



FULL SIZE
FIN PATTERN

GLENN FEVEYEAR
NAR 24931

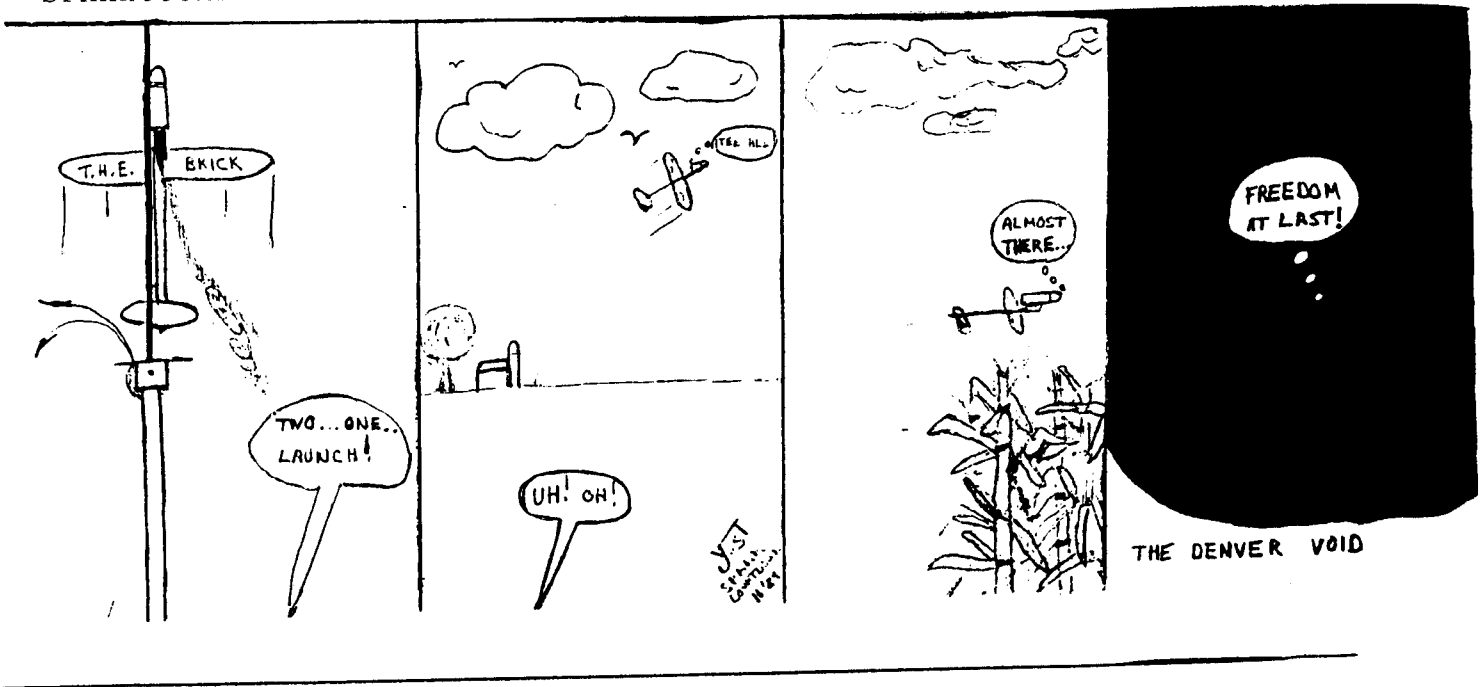
Answers to SPAAR Quiz

1. B, LARC: Lancaster Area Rocket Club. (Aren't you glad we changed it?)
2. D, John Yost; the other 3 guys weren't even there.
3. John Yost strikes again.
4. Un-Named Club Launches Eggs.
5. GODDARD - V, March, 1989.
6. David Bender, Oct. 9, 1988.
7. 111, SPAARSEC-1, July 23, 1989.
8. B, Ed Miller.
9. C, Bob Balogh.
10. A, Fred Hoke (he stages D's)
11. August, 1988.
12. Rick Hackman.
13. The "Grumpy Dog".
14. Mark Snyder.
15. Greatest: 76, Sept. 3, 1989; fewest: 2, March 12, 1989.
16. Bill Rhoat, Dave Wenrich, Jess Wenrich, Rick Hackman, Dan Weinhold, Mark Snyder, Tim Singles, John Yost, & George Beaver.

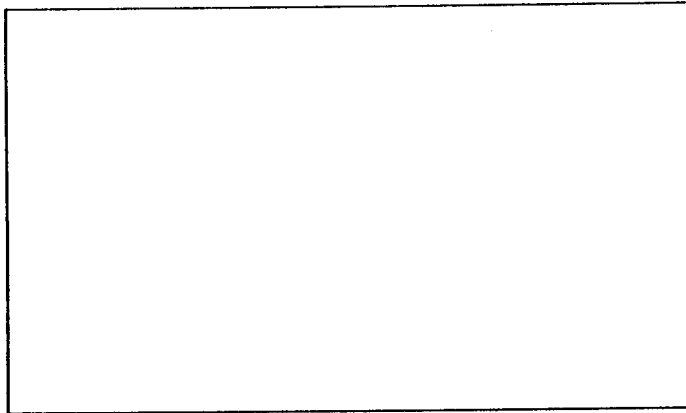
If you didn't do so good, Bunky, don't worry; there will be more to come in future issues!

SPAARtoons

by John Yost

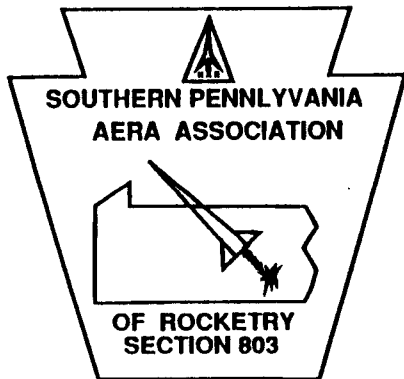


MODEL ROCKETRY INSTRUCTORS needed for creative and diverse rocketry program. Coed, sleepaway camp in Massachusetts' Berkshire Mountains. International staff; many recreational and cultural opportunities available. 6/18 - 8/20. Salary plus room and board. Contact: Marv Lein, 5 Brassie Road, Eastchester, NY 10707; 914/779-9406 or 800/955-CAMP.



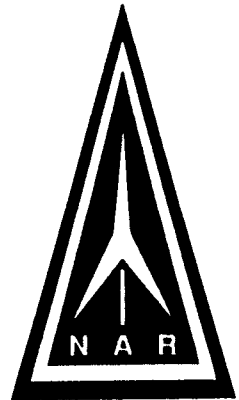
TO:

S.P.A.A.R.
P.O. Box 127
Reamstown, PA. 17567



**SOUTHERN PENNSYLVANIA
AERA ASSOCIATION
OF ROCKETRY**

**PROMOTING SAFE MODEL ROCKETRY
IN SOUTHERN PENNSYLVANIA
AND NORTHERN MARYLAND**



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