

# ZOG 43



STRIKES  
AGAIN!

Vol. IV No. 6

August 1969

## NARAM-11 - As It Happened

By: Bruce Blackistone, Greg Franklin,  
Art Chapman, Danny O'Steen, et al.  
as told to Andy Elliott

(Note: The text of this article is a modification of the way I heard about the Nats. The story of each day was given, by phone, to me the day after it happened at about 6:00 in the morning, Colorado time)

Day 1 - events: Egg Loft, PeeWee Pyld.

NARAM-11 began, and as with most NARAM's, it took a while to get in the groove of a large meet. The first of many gripes was about the field, which was an overflow parking lot. Although it was moderately sized, it was very stony, and adjacent to a hard egg-eating asphalt lot.

The new Estes launch system is pretty poor. For those who remember #8, this was a sort of super misfire alley. As soon as the sequence started, you either flew or misfired. The lines were long and the timing was way off. All this, then the preliminary estimate of tracking for day 1 - less than 5%.

On the lighter side, someone flew Egg Loft with an F and two D's, staged! The rocket was at the base of the clouds when the F took over. A short "phiffit" and that was that.

The night before, Bruce made his way to the top of the 300 ft. mountain next to the Blue Fox Motel and planted the infamous "crooked cross" of NARHUNS. George Flynn was very happy to know that some one had gotten the August issue of M.R. and Ed Pearson asked what I was doing here and not there. Good question. Still, the whereabouts of the Stine hideout are unknown.

Day 2 - events: Pred. Alt, Scale

Tuesday was a beautiful contrast. Tracking went all the way to the other end of the scale - almost 95%. According to the grapevine, Scale were running very high, as the judges were nearly "giving them away."

Bruce didn't have too much to say. It seems that he and Greg and Art and Elaine Sadowski (?) and a few others went on a hill climb again at 2:00 a.m. to plant another monument to NARAM-11.

Most of the 172 (preliminary figure) contestants had figured out what was going on, so the meet ran noticeably smoother. The planned tour of the Academy went well.

When I hung up the phone (this Wednesday morning remember) it was just starting to rain....

Day 3 - events: Swift B/G, Scale Alt.

Hung, Great God of the Thermals, had mercy on the poor rocketeers. The rain let up just as the ranged opened and started again just as it was closed down.

The results are out. Bruce lost third in Swift by 1 sec, but he got third in PeeWee Pyld. Also out were the tracking results from day 1 - out of about 300 flights in two events, 5 tracks closed (never trust phone call figures). Aside from the foul weather, the meet is shaping up. The launch system has started to go fairly well, considering the huge number of flyers. About the countdown though - "10,9,7,5,6,7,5,4,3,2,1?" The Atwood open sight scopes and the Sipes reduction system have hit the mark consistently.

The weather is quite variable due to the high altitude. It was 43° when I called, but it breaks 80° when the sun comes up.

As of then the standings looked like this:

1. Apollo-NASA
2. New Canaan
3. MARS
4. NARHANS (GO!)

The trustees had an eventful meeting... First, Dr. Gerry Gregorek is replacing Dr. Willy Ley, who passed on not long ago. Dr. Ley was a pioneer in space and rocketry.

CONTINUED P. 3

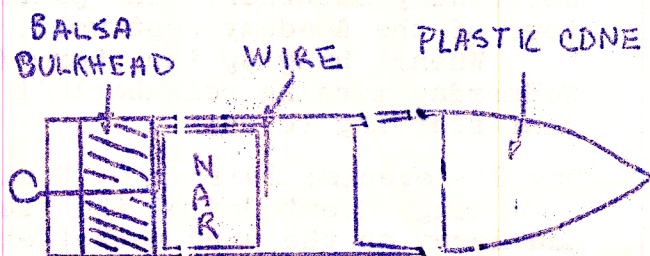


## Comparison And Construction Report The HYPER - Competition Models, Inc.

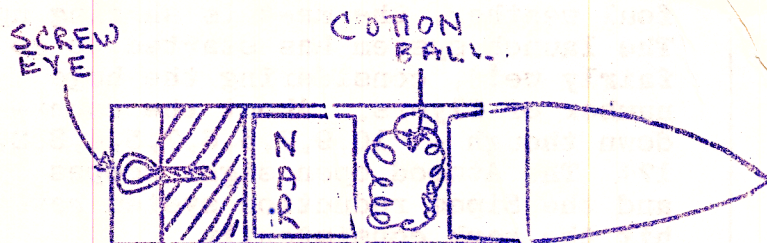
The Hyper is a good kit with the exception of its high price (2.95). Good comparisons are the Astron Apogee II or the Micro Probe at \$2.00 and 2.50 respectively. The use of plastic is probably the reason for the higher price. Also, the company is comparatively new.

Now, down to the construction of the kit. There are a few foggy points of construction on the plans of the Hyper I built.

This is the way the payload section is supposed to be:



You are supposed to take a bit of piano wire and bend it into the shape shown. On the model I built, I didn't use this payload holding apparatus, since the payload already fits in the tube perfectly. I just made use of the balsa bulkhead and a cotton ball:

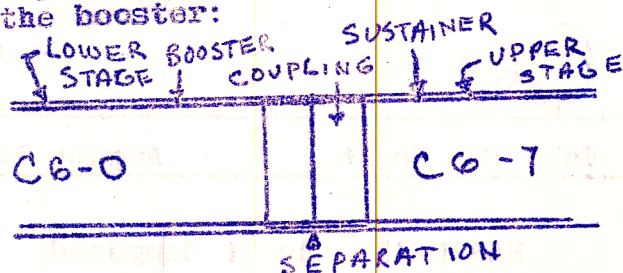


This weighs about the same as the method of the kit.

Next in construction are the plastic fins. These must be put together with care, as they will melt if too much glue is used. Although most NARHAMS members prefer balsa fins, this rocket has worked well with plastic fins for NARS.

I have never seen so many staging failures at all the launches I have witnessed before as at WANARVAL. Competition Models kits have

their stages hooked up by use of a protruding coupler coming from the booster:



This method has probably given successful flights to the experienced, but tends to give the beginner a little trouble.

Most people start out with the Estes-patented cellophane tape method.

In conclusion, the Hyper is basically a good kit, but the manufacturer might consider the problems brought up here.

Ted Coughlin

## Model Rocketry Shift Made

By now, all NAR members should have received their first issue of Model Rocketry. The editor is now forced to rescind most of objections. George Flynn has done a real fine job of putting the magazine together. The quality of the articles has been getting better every issue. Model Rocketry has something almost all rocketeers, sport, competition of R&D oriented.

Lindsay has also done a great job on the NAR section, Model Rocketeer. According to contract, the NAR has to supply a minimum of six (6) pages of copy for each issue. This copy is also your job as a NAR member. Send Lindsay, in care of the magazine, new technical reports, scale plans, articles, anything. Let's fill up that "If I wrote the Pink Book" section.

Although the editor still likes the American Modeler, He will have to go with Model Rocketry for full coverage of the rocket scene.

Keep it up, George.



## NARAM-11 Day 3 cont.

Next, Vern Estes suggested a division between "professional" and "amateur", rocketeers, the "pro's" defined as those involved in the model rocketry or aeronautics business. Vern thought we should make the "pro" a special class for competition, but Bob Atwood said we should bar them from normal-type competition. No decision was made.

The NAR has until November 1st to vacate the AMA office, where, up till now, we co-headquartered. Dick Sipes has been looking into setting up our own office. Mrs. Ward, who was formerly AMA head secretary, may be the new NAR secretary (office). Next year's dues were officially raised \$1.00 in all classes.

Final notes - The LAC had elections for its new members. Bruce and Art were both for acceptance. Results tomorrow. MPC, the plastic model company, has gone into model rocketry with a short line of quick and dirty type models.

### Day 4 - events: Open Payload, Sparrow

Can you imagine four ounces of NAR-approved lead in the nose of each rocket? Tracking settled to a 50% average, going after many F-100 powered monsters. Luckily for those on the ground, there were no MIRVs due to payloads parting company with their payload sections. Bruce and Greg both used 2 C's and an E in parallel and both worked! No close on the tracks, of course.

The boost/glide times were sort of average, no five or six minute flights were returned. Making it 2 NARAM's in a row, Bruce took another first in B/G, this time in Sparrow with 1:18. Good show!

Sorry to say that many people were disappointed with the tour of Estes Industries. Although rapidly expanding, Estes is still a small firm. Also much of the interesting parts were kept behind security-closed doors. Thanks do go to Vern and his group for treating all to a fine dinner.

The Royal Gorge was also seen on this trip. The depth of this chasm was described to me as, "so

deep, if you spit from the top, it evaporates before it hits the bottom.

Still, no more results.

### Day 5 - events: Class I P/D, R&D

Chalk up one more for NARHAMS; Art Chapman took first in chute duration with 2:06.

R&D looked mediocre, except in senior division where the competition was tough. Bob Atwood was very liberal with his disqualification. The editor was amazed to hear that Alan Stolzenberg's beautiful closed-breech launcher project lost to one on "How to build an 8 foot rocket," and this at a NARAM, yet.

The awards banquet was something else. The first annual award in honor of Dr. Gregorek's son was given to the best junior P/D model. Jim Kukowski and Bendix both received Distinguished Service awards. The last trophy awarded and the biggest, I've heard (I haven't yet seen this monster) was for the newsletter competition - ZOG 43 takes it its first of many, hopefully.

The final results are as follows (not official):

#### National Champions -

Senior - Howard Kuhn  
Res. Bryant Thompson  
Leader - Mark Evans  
Res. Jim Stevenson  
Junior - Scott Lane  
Res. Ellie Stine

#### Section Champions -

First ---MARS  
Res. Apollo-NASA

And so ends the first NARAM of the second decade. See you at NARAM-12 for sure.

#### Where Danny has Gone

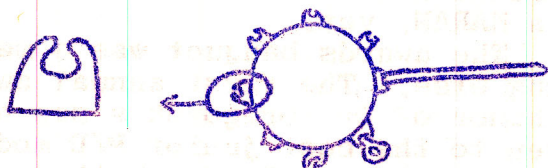
The editor got the address late:  
Danny O'Steen  
c/o FABAT Box 192  
APO San Francisco  
California 96290



## New Manufacturers

Two new manufacturers have come into model rocketry, Model Plastic Corporation and Cox Manufacturing.

Model Plastic Company (MPC) has been around for a long time and is known for a good line of plastic kits. MPC has taken over MRI and modified the line. The editor saw some of the new line brought back from the Nationals. Particularly interesting was a set of rings to fit the rear of a rocket. These rings have clips all around the rims which accept MPC designed fins and launch lugs -



Cox, of small gas engine fame, has wandered into model rocketry from its home ground in airplanes. The Cox line, which the editor has not seen, is said to contain four ready-to-fly (just add the engine) models in plastic, plus six kits of same. ZOG will carry a quality report just as soon as it can get hold of some samples.

## Phone Tree & Roster Changes

Add to phone tree under Danny O'Steen and to roster:

Mark Ambrose  
4239-58th Avenue  
Bladensburg, Md.

Delete from phone tree under Jim Barrowman and from top of same column, but leave on roster:

Danny O'Steen 277-2644

Replace Danny O'Steen with:  
Bill O'Brien 949-8382

Replace on phone tree under Bruce Blackistone, as he has come back to NARHAMS, and replace on the roster:

John Hunter 474-6012

## Coming Contests

As of now only two contests are known to be scheduled by ZOG. One is MARS-4 and the other is NERM-4.

Not much is known yet about MARS (Mid-Atlantic Regional Shoot) except for the date, October 25 & 26. Further information will be printed as soon as it is known.

NERM-4, hosted by Pascack Valley Section, will probably be held on October 19&20. Al Landgren is to be CD for this meet, the biggest yet for PVS. Events are tentatively Egg Lifting, Design Efficiency, Swift B/G, Scale and Parachute Spot Landing. All rocketeers in sections in New Jersey, New York, Connecticut and Massachusetts have been invited.

## NARHAMS--SSB Picnic

NARHAMS has been invited by the Star Spangled Banner section to a picnic on Saturday, August 23. It will be held at Howard Galloway's home on Ben Oaks Drive in Severna Park, Md. Starting at 1:00, there will be swimming, boating and a lot of fun. As usual with this type of gathering, it may go on into the night. Hope to see YOU there.

## ELECTIONS

This is the official message to all NARHAMS members, as required by the constitution of the club, that elections are coming.

Elections will be held on 12 September 1969 at the normal club meeting at 8:00 p.m. at the Silver Spring Library. Get out there and vote for your next year's officers.

Remember - ELECTIONS

\*8:00 p.m. \*Silver Spring\*12 Sept.\*

The editor would like to take a moment to thank every one who helped get ZOG 43 the newsletter-of-the-year trophy, especially Bruce Blackistone, my cartoonist. Thanks



BY: BRUCE EDWARD  
BLACKSTONE  
AF: PRLT MGT XM

LETTERING BY:  
ILDICO PFM:KF::

A cartoon illustration of a man in a flight suit standing on a wing, holding a large, coiled hose. Above him, text reads: "WE HAVN'T LANDED. THAT WAS JUST TURBULENCE".

OUR HERO MAKES A PERFECT ALL POINTS LANDING



A drawing of a building with a large explosion or fire coming out of the top, labeled 'CRUMBLE' with an arrow pointing to the smoke.


UNFORTUNATELY  
ALLEN OF BURGEN  
STULTZE WAS  
HAVING WAR  
GAMES IN THE  
AREA AND  
SPYING THE  
LARGE HOLE IN  
THE WALL  
CRIES...

ONCE MORE UNTO THE BREECH MY FRIENDS!

OR CLOSE IT  
WITH A PLASTIC  
SEWER PIPE!

IS THIS  
ROYAL GORGE?

OUR HERO  
QUETLY HIDES  
TO WATCH  
THE STRANGE  
PROCEEDINGS



ALLEN IS STRUCK DOWN  
BY AN 8 FOOT ROCKET



SIR BATGOOD WADES  
INTO THE FRAY WITH  
HIS MAGIC D.Q. CLIPBOARD

MEANWHILE REINFORCEMENTS  
ARE COMING UP A DRY  
STREAMBED  
ROE FASTER!



A M.I.R.V. SHOWERS DOWN  
UPON THE ENGAGEMENT

AND OUR HERO IS  
CAPTURED AND VISCIOUSLY  
THROWN INTO THE DRINK  
BURBLE

A simple line drawing of a hand reaching out of a liquid surface. The hand is positioned vertically, with fingers slightly spread. Bubbles are depicted as small circles around the hand and on the surface of the liquid. The liquid surface is indicated by a wavy line. The background is plain white.

IF THIS MAKES ANY  
SENSE TO YOU...  
GUESS WHERE!

NEXT CHAPTER:  
BACK TO THE NORMAL  
IDIOCY!

# PROF. PIESTER'S PLASTICS



## NARHAMS Loses Secretary

Danny O'Steen, one of our long-time members has gone off to the Orient for a few years. Danny would like to keep in touch with his friends, so the editor will have his address for those who want to write.

ZOG 43 is the official publication of the NARHAMS section of the National Association of Rocketry. ZOG is sent free of charge to NARHAMS members, other sections who send us their letters and NAR officials.

Editor - Andy Elliott  
Cartoonist - Bruce Blackistone

Special thanks go to Ted Coughlin and Greg Franklin.

## Meeting Schedules

All meetings start at 8:00 p.m.  
The executive board meets at 7:00  
at the first meeting of every month.

August 29 - Chevy Chase

September 12 & 26 - Silver  
Spring Library

October 3, 17 & 31, - Chevy  
November 14 & 28 - Chase

December 5 - Surprise!!

December 19 - Silver Spring

Beware of the ZOG.

Atilla the Hun rides again.

ZOG 43  
c/o Andy Elliott  
10203 Leslie Street  
Silver Spring, Md. 20902

Mark Wheatley  
6028 Winterberry Lane  
Bethesda, Md. 20014

☒ Moved, left no address  
☒ No such number  
☒ Moved, not forwardable  
☒ Addressee unknown

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