

ZOG 43

OCTOBER 1968

Vol. 4 No. 1

NARHAMS HOLDS ELECTIONS

On September 13, NARHAMS held its Annual elections. Everything went smoothly although it was our first election under the new NARHAMS Constitution. After a short business meeting, elections took place. The Nominating Committee gave its recommendations and nominations were taken from the floor. In accordance with tradition, Bruce Blackstone ran for every office. However, this year Bruce broke with tradition and finally won! Here are the NARHAMS officers for the 1968-1969 contest year:

President: Ken Guthrie
Vice Pres: Bruce Blackistone
Secretary: Danny O'Steen
Treasurer: Doug McMullen
Senior Advisor: Jim Barrowman

Committee Chairmen

Activities: Geoff Forden
Communications: Andy Elliott
Contests and Records: John Hunter
Range Operations
and Maintenance: John Hunter
Transportation: Greg Franklin

RANGE LAUNCH HELD

On September 21, NARHAMS had a non-competitive range launch at the Goddard Space Flight Center Antenna Range. Quite a few people showed up including many new members and Honorary Member George McMullen.

Although the field is small, Rock Creek section showed up at the other side of it and held a section meet.

A lot of rockets were fired to let our new members get the feel of the NARHAMS range equipment. Bruce Blackistone came with THE Valkyrie, but the thermals didn't. The launch revealed some weaknesses in our equipment which will soon be fixed.

NARHAMS THEME SONG CONTEST

Write the NARHAMS theme song! You may use your own tune or another well known tune.

First Prize - A genuine Rune Stone (Pure rock) monument, nearly two feet square!

2nd Prize - An actual photograph of ATILLA THE HUN

Third Prize - Membership in NARHAMS

Send all entries to:

Intergalactic Exports Inc.
211 Whitestone Road
Silver Spring, Md. 20901

NARAM-10: A CONTESTANT'S STORY

I got up about 3:00 AM Monday morning; everyone else in the car was picked up and packed. We were on the road by 4:00. We got to Wallops about 10:00.

Everything went very smoothly. I found my room, unpacked, and started looking around. Soon I was back in the room, liberally applying the insect repellent. The rest of the day, the night and a little of the next morning was spent meeting people like Vern Estes, testing B/G's and talking.

Tuesday I slept through breakfast and would have slept through lunch if someone hadn't banged on the door. After lunch I prepped some rockets and hitched a ride to the launch field.

So the next three days went by; standing in the hot sun, running after rockets, getting eaten by the mosquitoes, watching the Valkyrie catch a thermal and talking a lot more. There were some few isolated chances to eat and sleep more.

On the quiet(?) last day, we relaxed, listened to the R&D reports and watched Space Systems. Then we retired to the dorms to get cleaned-up and dressed for the Awards Banquet. Very happy due to getting a trophy, plans to leave early dissolved as we sung, talked even more, and helped everyone else pack up.

The Nats was a lot of FUN!!

Note: For the director's report, see p.3

PICNIC DEMONSTRATION

On Saturday September 28, NARHAMS held a demonstration launch for the underprivileged children of Washington, D.C. at Fort Washington. About two hundred children were there to watch us fire, and it turned out very well.

The launch started off right about 2:00 as the first rocket went up without a hitch. There was only half a rocket lost, the booster to Blackistone's egg loft. Fortunately, the egg was recovered in perfect condition.

The last rocket went up about 3:15 and while the equipment was being disassembled, the children returned to the picnic area. (where we later had a free lunch) Thanks to the Civil Service, we were repaid for the engines that we used.

BITS AND PIECES

The Communications Committee has extra copies of the following: Section rosters, a few ZOG 43's, ZOG 43 1/2, maps to the GSFC Antenna Range and to the Laurel launch site, Library lists, Constitutions, transition piece equations and engine substitution charts. Please don't for these if you already have copies of them.

Doug McMullen says:

PAY YOUR DUES!!

The scrapbook committee needs historic documents and photos. They also need current material. Give your contributions to Bob Singer.

Until further notice, all meetings will be held at the Chevy Chase Library at 8:00 on alternate Fridays.

The conventions will be here before you know. Pittsburgh will be March 14&15, 1969. The one at M.I.T. will be March 21&22, 1969. Be sure to send for applications soon.

ZOG 43 has a new editor. Please address all correspondence to:

Andrew Elliott
10203 Leslie Street
Silver Spring, Md. 20902

WIND TUNNEL REPORT

When NARHAMS merged with WARS a while back, we obtained the use of the WARS wind tunnel. The wind tunnel was begun by the now defunct Whitman Aerospace Research Society section in 1965. The wind tunnel was designed to test the drag and stability of rockets and boost-gliders, and for aerodynamic research.

Initiated by the former WARS president, Dick Langley, the original design was for a small tunnel costing around \$100, but things changed that. First, a \$75 loan was obtained from the Walt Whitman High School Student Government Association, and second, it was discovered that a large electric motor could be bought surplus for next to nothing. The design was enlarged and costs went up.

The club asked the Montgomery County Board of Education for help and received over \$170 worth of materials. They also got a \$150 grant-in-aid from the Washington Academy of Science.

The club members spent afternoons and weekends working on the tunnel. After a few design changes and eighteen months of hard work, the basic construction was finished. When Dick Langley graduated, Marc Mercer took over as president and tunnel supervisor. Marc has spent much more time with the wind tunnel than anyone else. He designed the drag balance currently in use in the tunnel.

After the 3-phase power line for the motor was installed and the Student Government loan was repaid with a \$100 grant from the P.T.A., the tunnel was complete.

The wind tunnel is now available for club member usage. Contact Marc well in advance for details.

PHONE TREE AND ROSTER CHANGES

Phone change: Art Chapman - 942-5763
New members: Rob Abromauage - WH2-0842
Turbitt Brown - 459-8181
Ted Coughlin - 946-6115
Robby O'Steen - 5771566
C.H. Schmidt - 649-1465
Al Wilson - 935-2586

THE OTHER SIDE OF NARAM-10
by the CD, Jim Barrowman

NARAM-10 started in February, and it won't really end until late October, but the week of August 19-23 was the climax of the story of NARAM-10. When the contestants are on the field, the weeks of preparation fade into dim perspective.

Monday is for getting ready. The Wallops station personnel have to be contacted. NAR people are coming in and everyone gets to work. The guts of the meet is people; and you have to get around to talk to as many as possible. The meet is on its way.

Tuesday brings the first real problems. Non-existent dorm space has to be found for the unhappy people in the off-base housing. The Scout launch on Thursday is going to interfere with range operations (or is it the other way around?). The first bird goes off without a hitch and competitive flying goes smoothly. The days results are tabulated.

Wednesday is loaded. The scheduled meeting with the manufacturers is poorly attended. The Wallops range balks at the meet's interference with telemetry reception. A hastily called meeting informs the meet of the new ground rules. The tired CD cools his heels in the office with reporters and and unfinished R&D report. That night sees him still there, helping to untangle the day's flight data.

Thursday is the climax of the week's competition. Everyone has to walk in, but the Scout launch and an efficiently run event make it worth the shoe leather. The VIP's are here and much time is spent familiarizing them with the joys of model rocketry. Some are old hands, the others listen patiently to the long spiel. Back at the office arrangements must be made for a recreation room so the poor guys in the dorms can blow a little steam. By the time the data team makes it to the party, shuffleboard is the name of the game.

TGIF! R&D brings the formal presentations. Time is given to everyone; science is served by hearing from them all. The data team works on.

The Awards Banquet is a happy time for all. The CD gets the best trophy of all, a rocket-shaped autograph book. Beautiful!

CONTEST CALENDAR

October 18, 19820 - MARS-3 regional (SSB)
Aberdeen Proving Grounds

Events - Egg Loft
Predicted Altitude
Scale
Sparrow B/G
Class I P/D
Open Spot Landing

November 3(?) - HQSM-11 section (NARHAMS)
GSFC Antenna Range

Events - not yet decided

April ? - ECRM-3 regional (NARHAMS)
Camp A.P. Hill

Events, - not yet decided

May 25 - MAYHAM-1 area (MARS)
Events - not known

June 14&15 - WAMARVA-1 regional (MARS)
Events - Design Efficiency
Egg Loft
Class I P/D
Sparrow B/G
Scale
Space Systems
Open Spot Landing

ZOG 43 is an official publication of the National Association of Rocketry Headquarters Astro-Modeling Section. It is sent free of charge to section members and sections who send us their newsletter. Others may receive the ZOG by sending the editor their address and a stamp for each issue.

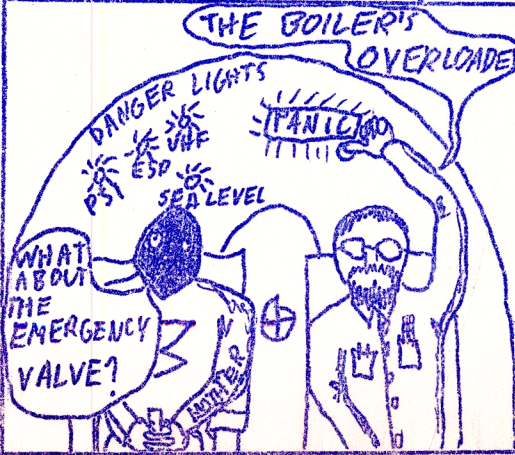
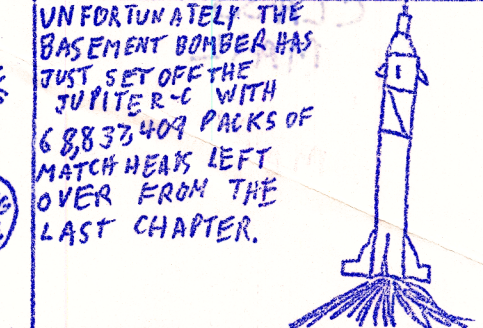
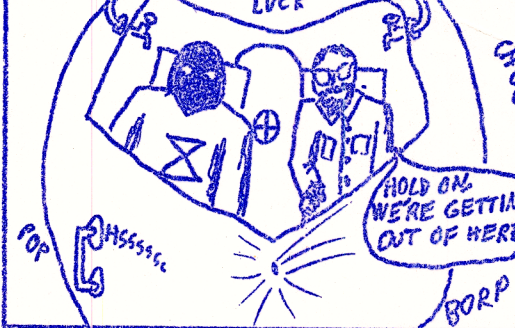
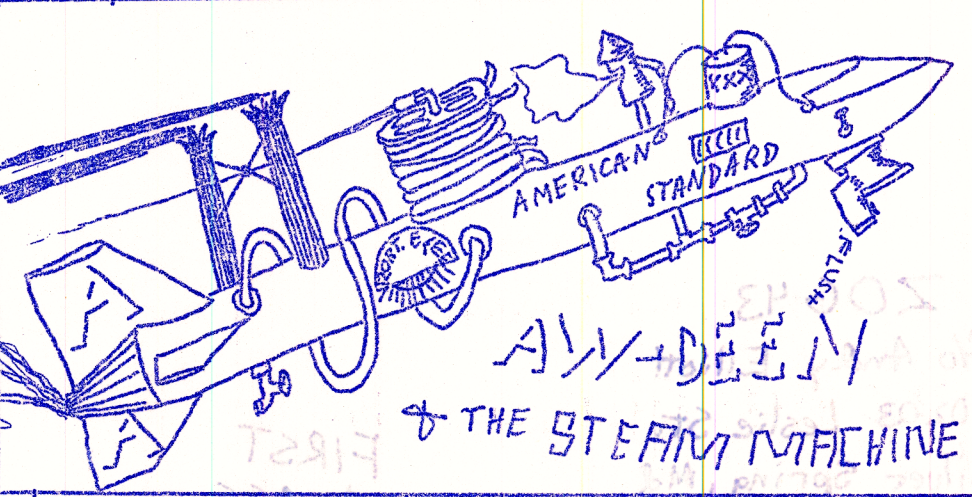
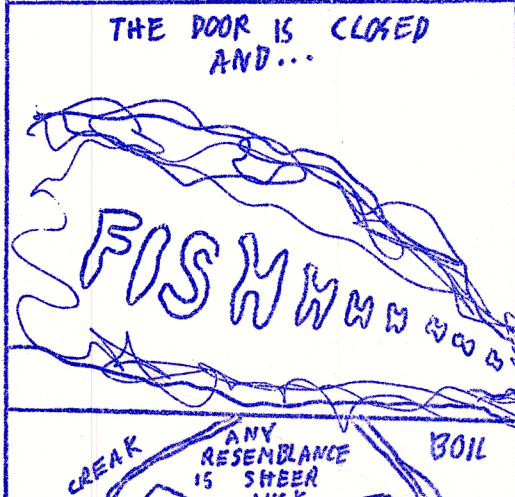
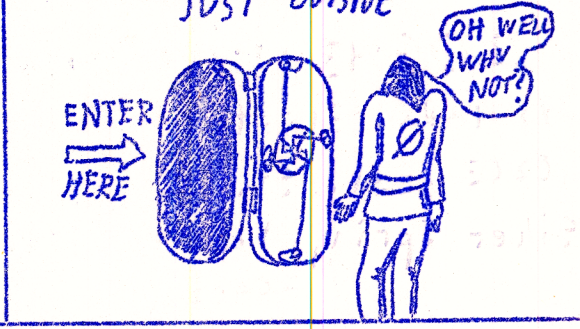
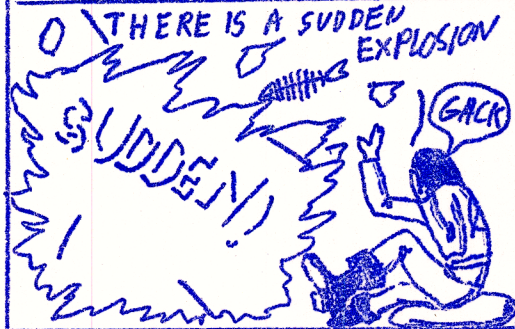
Editor - Andrew Elliott

Cartoonist - Bruce Blackistone

ATILLA of NARHAMS rides again. BEWARE!

SPOR
ATTILA
 of
INVASION
 N.A.R. 10/14/1066 A.D.
 BY: BRUCE BLACKSTONE
 *XK: P411M11M, 6413LDR

WHEN WE LAST LEFT OUR
 HERO HE WAS BUSY
 LANGUISHING IN THE LORD
 HIGH FIRE MARCHALS PRIVATE
 DUNGEON.
 *XK: RMH: N1B4K1N1X: XK: M4DNK:
 N1DM: 1X: M1M1M:
 *P1D1AM: RM1M1M



IS OUR HERO SCALDED?
 IS OUR HERO PARBOILED?
 WHO IS AW-DEEN?
 WHO CARES?
 *41M1M1M: K1R1M1: N1X1P1:
 M1: 131M1: M1M1M1R1:

*1B1N1M1: RM1M1: M1B1M1: 14: X1R1M1: X1M1: M1R1M1: P1M1M1M1: XK: P1R1M1: M1M1M1M1M1