

MARS IV REPORT

ZOG

43

ELECTIONS

On September 26th, NARHAMS held elections for the club officers of the '69-'70 contest year. As usual the slate nominated its candidates, then nominations were taken from the floor. There were good contests for most of the offices, which shows that we are getting good member participation. Anyone who would like to help the club out this year, but was not elected should ask if the committee chairman need help.

Here are the NARHAMS officers:

President - Bruce Blackistone
Vice Pres. - Doug McMullen
Secretary - Greg Franklin
Treasurer - Rob Abromavage
Senior Adv. - Jim Barrowman

The following committee chairman have been selected:

Activities - Judy Barrowman
Transportation - Dave Lewis
Contest and
Records - Ted Coughlin
ROMAC - Bill O'Brien
Communications - Andy Elliott

NARHAMS Overseas

Danny O'Steen, NARHAMS ex-sec., is over in Taiwan, as many of you do know. Danny would very much like to hear from some of the rest of the club. His address is:

c/o FABAT Box 192

APO San Francisco 96290

On Friday, October 24th, we finally made it to MARS. The trip ended and the meet began on the second floor of the Quality Courts motel in Aberdeen, Maryland. Most of the contestants arrived that night, though a few key people did come in Saturday morning. There was a gathering in the Galloway's room about 9:15 p.m. This room was in the center of an all-rocketeer-occupied floor. The singing began early and included some never-before-heard ballads, and when it stopped the whole meet had assembled, so Howard Galloway, the meet's C/D, made some announcements about the procedures for the next day.

Almost everyone made it out to the field on time, except for the tracking scopes and the phones, which arrived nearly two hours late. After another hour in which the scopes and phones were finally put into service, the meet finally got under way.

The first event was Predicted Altitude. Although tracking was very good, processing of both models and data and difficulties with communications slowed down the competition. An attempt was being made to fly all (four) of the tracking events on Saturday, however only three were completed. This might stand as an advance warning against flying that many tracking events in one meet.

Quadrathon was also being flown and PeeWee Payload and Class I Altitude were the next events. So far Quadrathon has been flown in two large meets and hopefully those won't be the last. Although a very tough event to run, it does separate luck from true modeling excellence. Many professional looking birds showed up. There was a problem at tracking west: between about 57 and 60 degrees of elevation, a thick power line obscured the rockets. Anyway, the demise of the great ball of fire in the sky brought the day to a close.

That day was the last of Daylight Savings Time, and we got back to the motel just in time to change and go to banquet that was planned for 7:30.

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ZOG 43 GOES LITHO

It should be quite obvious that a change has come over ZOG. The blue print on almost white paper is being replaced by crisp black type on clean white sheets. The reason behind this drastic switch is Andy Koran, who offered ZOG his services in multilith printing.

The editor is somewhat worried that this may remove a bit of ZOG's true character, however at least 1 issue had to be tried. I am told that lithoed copy is actually readable on both sides of the page; the shack may be too much. There are a few major improvements, such as the possibility of real photographs.

For those members who are worried about the demise of the club's ditto machine, worry not. The old dittoer will still be used to put things like ZOG 43 $\frac{1}{2}$, phone trees and rosters (yes, they're coming).

Now I wait for the first issue. All comments on the new ZOG will be gratefully read, so send them to:

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

NEW NAR HEADQUARTERS

The NAR has finally moved out of the AMA's office in downtown D.C. and into its own. We also took the AMA's former head secretary with us and she is now our office. (I should say our office is now her house.)

For those of you who would like to get in touch with headquarters, for any reason, writeto:

National Assoc. of Rocketry
P.O. Box 178
McLean, Va. 22101

Our secretary's name is Mrs. Ward and the NAR phone is:
(703)-536-4299.

This call is local from the Washington area.

LEADER SLUMP

an editorial

It has become apparent that a time comes in the life of a rocketeer when he stops feeling like building rockets. This phase seems most prevalent around the junior and senior years in high school and the first two years in college, i.e. when the rocketeer becomes a leader. During this period, the rocketeer does not lose interest in his hobby, but only switches the focus of this interest from competition to R&D or to advising the younger members of the section.

The effects of this phase are easily perceived, however the reasons for it require greater insight. All of us have probably attended at least one contest. A mere look at the entrance forms will show that most of the competitors are juniors (about 70%); next in line are the seniors and then finally the leaders. It is not uncommon to have, in a meet of over 100 people, not over 10 leaders. As for the reasons, there are a few. One is becoming tired out with the same things at every meet, the same events, the same rushed atmosphere and the same poor tracking. Another is the lack of time to build birds. The final outstanding reason is probably the ever better-looking members of the opposite sex.

Since I mentioned the rushed atmosphere of meets (quite deliberately), some elaboration seems fitting. The last three or four meets in the WAMARVA area have been running in the neighborhood of 100 competitors plus range crew and spectators. The sections in the area have shown themselves to be capable of running such large contests, but just barely. If anything goes wrong, which normally does happen, the entire meet is put off schedule and ends up very late or with an event cancelled. Perhaps an answer is to hold more meets and to keep the number of contestants down to the former "limit" of 60. In this manner, no one should have to miss fulfilling their quota and still the contests would be smoother and more relaxed. Something to think about a bit.

HARRY LIVES!!

MARS IV cont.

Most of us wished we had the extra hour to relax then. The banquet was about average (whatever that means). The club members who were there got up some energy and sang some songs to go with (enhance) the meal. Aside from the normal table talk, nothing spectacular presented itself. After the meal, however, there were an excellent group of films and slides of rocketeers and rockets. Highlighting the ensemble was a film by the Galloways which included scenes from many events in the WAMARVA in a time span of about four years. It was interesting to see yourself as you were (way back then?).

On Sunday we trudged back to the field and prepared to fly 4½ events. There were no outstanding times in either Class I P/D or in Hornet B/G. I believe someone did turn in a 99+ score in Design Efficiency, a hard to beat mark. With a "C" engine, that rocket would reach 990 meters, about 3000 feet!

Flying finally finished as the sun went down, and awards were given out by headlight light. A new idea was used in awards: Two age groups were made out of the Junior class, 13 and under and 14-16. It is obvious that a nine year old can not hope to compete with a 16 year old who has been in rocketry for 5 years. Due to the pink book, only overall class winners will count for contest points. We packed up in the dark and journeyed home.

MEETING SCHEDULE

As of right now the following meetings are planned. As usual, the time is eight in the evening.

November 7 - Chevy Chase LIBRARY
November 21 - Chevy Chase "
December 5 - Chevy Chase "
December 19 - Silver Spring LIBRARY

The only way for you to have your feelings heard is to come to a meeting, so get going.

CONSTRUCTION TIPS

One of the most useful item I have on my workbench is a roll of 3" wide adding machine paper. The cost is about 40¢ for several hundred ft. and it may be used to make stage couplers, body shrouds, to recover rough finishes on body tubes, make fin spacers, mark tube cutting lines and just about anything else.

ZOC 43 Vol. 1 No. 1

A good tower launcher may be made from a 12x12x1½" block of wood and three pieces of 3/16" music wire. First layout the holes in the wood so that some holes are used by two or more body tube sizes. In this way all sizes of body tube, from 3/4" to 3" may be accommodated on your launcher. Drill the holes the same diameter as the rods. A longer lasting base plate may be constructed by drilling the holes oversize and putting in brass tube bushings. Holes in the corners of the base should be drilled for hold-down nails. A good coat of wax or silicone spray will reduce launcher drag and increase the life of the rods.

STOLEN COPY

How would you like to travel 800 miles or more to NARAM-11, win a place, and come home with a 50¢ ribbon? We realize that the NAR officials had trouble just getting the 1st place trophies we had, but did you happen to notice the newsletter trophy? If the LAC had used the money that bought the newsletter trophy for small trophies for 2nd and 3rd places, they would still have some money left over for a good looking newsletter trophy or plaque. In this way everyone would have been happy.

Nozzle News, Greg Cutter

(Ed. - Except the ten or twelve sections who have the trophy in the next ten or twelve years.)

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SEVERNA SUNDAY

Way back on August 23, (maybe it was a Saturday) NARHAMS, SSB and a few other notables got together at Howard Galloway's house in Severna Park, Md. for a get-together.

The assemblage began about 1:00 p.m. and went until midnight when the final stragglers straggled homeward. Seeing as Howard's home is directly on the Severn River, for a large part of the daylight hours, most of the group was down by the river (which was salt water). Andy Elliott started off the festivities with a styrofoam kickboard powered by an .020 engine. Bob Singer made an effort to radio-control his bigger board which was .19-powered, but was unsuccessful. He ended up running it in large free-float circles.

By now most of the people had arrived and were in the water or on it. Bruce the Beast, fearing revenge from Lord Neptune, refrained from even bringing a bathing suit and attempted to stay on land. Once he did venture out to the floating raft (a sort of island) in a canoe which was subsequently removed from the raft by unknown parties. Paul Conner finally had pity and rowed out to meet him.

About this time a game of Murder the Man with the Frisbee had begun in the river-fed pool along side the river. This dangerous sport involved most of the twenty or so people there at its peak. The presense of a rare commodity at any sort of rocket gathering should be mentioned, as they really livened up the day: girls. As it got dark and the mosquitoes formed a solid sheet over the water, we pulled all the boats on the shore and went up to the house.

After everyone changed, we sat down to a very appetizing dinner provided by the Galloways. Jay Apt and Elaine Sadowski (that has to be close) brought greetings from the northlands and were treated to a view of the famous newsletter trophy which Bruce just happened to bring along. As usual, The bull was shot and songs were sung for the rest of the evening by those who weren't trying to play frisbee in the dark.

STOLEN cont.

NAR recently divided the United States into six divisions: Pacific, Mountain, Southwest, Midwest, Southern and Northeast, "in an effort to place an emphasis on section activities and to encourage NAR members to join sections or to form new sections in areas where sections don't already exist."

The managers are:

Pacific - Dane Boles
Mountain - Mel Severe
Southwest - Jim Poindexter
Mid- America - Manning
Butterworth

***Southern - Dick Sipes
Northeast - Jay Apt
Apollo- NASA - 2-10

THE MODEL ROCKETEER

Most of you realize that the Model Rocketeer is six pages of NAR news published monthly in NRM. The column is and must be supported by the Association's membership if it is to survive. The Model Rocketeer is now being edited for the NAR by ex-NARHAMS member Carl Kratzer. He is in need of tech articles, feature stories, plans, hints and kinks, editorials, cartoons, satire, demo or contest photos and just about anything else concerning rocketry.

If you are interested in contributing (and you should be), send whatever you have to Carl at:

The Model Rocketeer
c/o Carl Kratzer
320 Thurston Ave. C-31
Ithaca. New York 14850

NOTE

The year is just about over, (was that profound or not?) and it's getting to be time to renew your NAR membership. DO IT NOW!!!!
Or else....

EDITORIAL

In a continuing program trying to bring out opinions in model rocketry, ZOG 43 reproduces this editorial from the Apollo-NASA newsletter, Vol.3-1:

Everyone that is interested in Model Rocketry might remember about five years ago when the biggest booming industries were the ones that had the wild slot cars, controls, etc. Have you ever stopped to think how that industry went sour? The first company that I can remember was one called Strombecker, then Eldin, Cox Dynamic, Revell, Aurora, Monogram, and plenty of others! If one can remember, the prices of these cars, sets and parts started out and stayed relatively "cheap" by the first few companies that came into slot cars, then as more and more companies came in, they had a little price increase here and there until ...mass destruction of the hobby resulted from too many "big guys" coming in...

Any of you have any ideas yet... First it was Model Missiles, then Estes, Centuri, RDC, FSI, MRI, BOMAR, Competition, Space Age Ind, and now MPC and Cox!! Anyone care to guess when Revell and Aurora, and Monogram will come in? We as NAR members can help a little. Try to keep ordering from just the first five major companies, unless you want model rocketry down the drain too!

!THINK!

ZOG 43 is an official publication of the NARHAMS section of the NAR. It is sent free of charge to section members and sections who send us their newsletter. Others may receive ZOG 43 by sending the editor a stamp for each issue with their address.

Editor - Andy Elliott
Cartoonist - Bruce Blackistone
Publisher - Andy Koran

BITS AND PIECES

Carl Kratzer (see Model Rocketeer article) is attempting a Research and Development project again. With Doug Malewicki he is developing some mathematical parameters to predict the performance of different parachutes and different load weights. He now needs some experimental evidence to back up the formulae. As he is in college and Doug is working, they are looking for someone in the club to run the tests for them. This would involve dropping chutes and loads off a high balcony such as in Cole Fieldhouse at the U. of Md. Contact Carl at the address given if you want to get further details.

As usual, ZOG 43 is looking for things to print written by someone other than Bruce or the editor. Anything with a "G" rating or very little below, including stories, plans, articles, hints and kinks, etc, will be gladly included. Cartoons (not comics) will also be appreciated. In addition, ZOG 43 is looking forward to next year when the editor will go off to college and the newsletter will need a new editor. Someone who is willing to do a lot of work and can type, please present yourself at sometime so I can teach you the trade.

Winter is about set in and the competition is slowing down, but fear not. Spend the winter locked up in the workshop building models for the next meet:

ECRM-IV
April 17, 18&19, 1970
Camp A.P. Hill, Va.

A very complete set of plastic structural components is now made by the Plastruct Co. The line includes I-beams, T-beams, tubing and square conduit in many sizes, plus sheet stock. This material looks to be perfect for scale launchers and detail.

A new paint for those rocketeers whose mothers can't stand the smell of dope is now on the market. It is called Polly-S, it is not an enamel, it is water-soluble, but dries water-resistant and costs about the same as enamel.

(6)

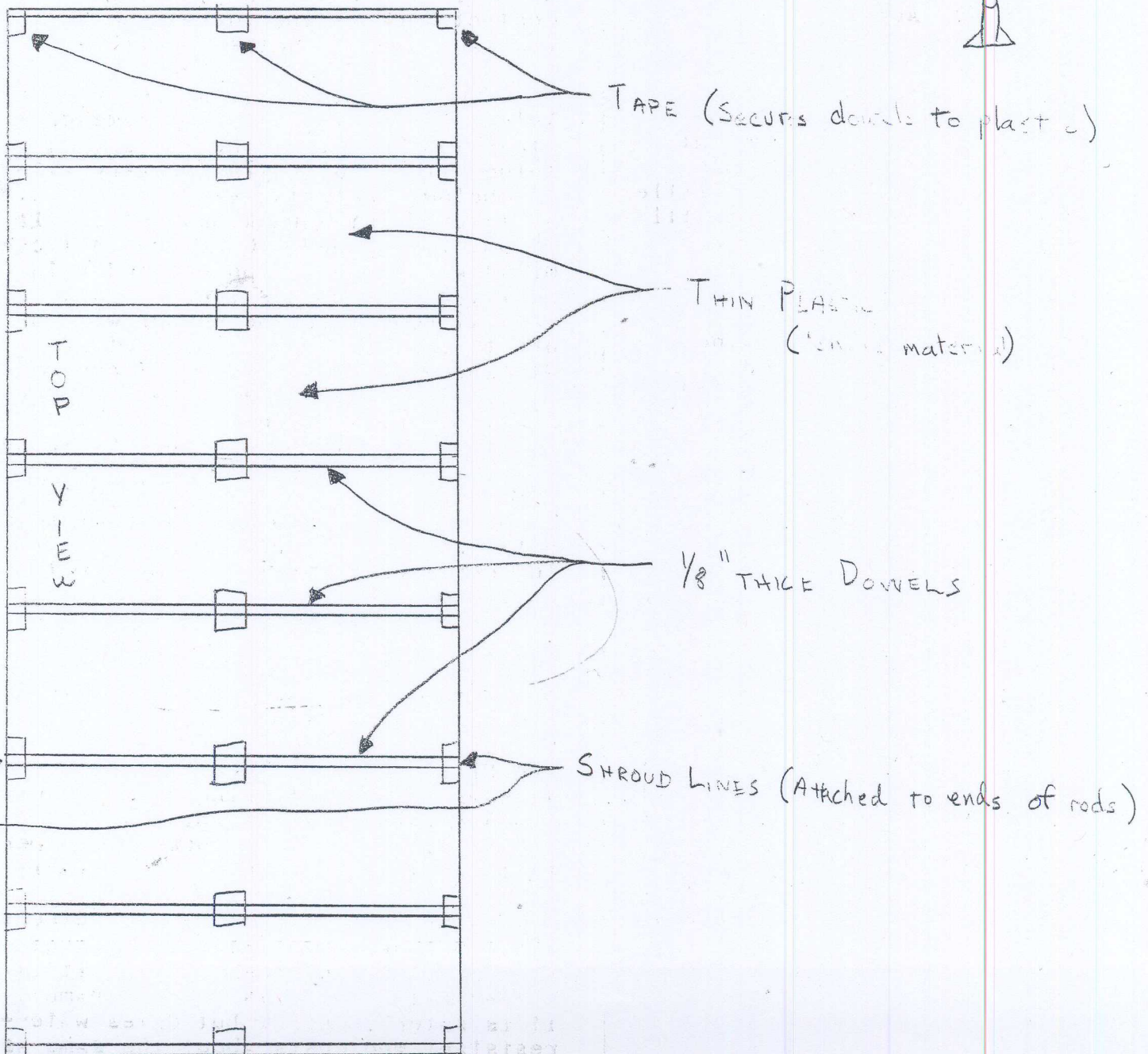
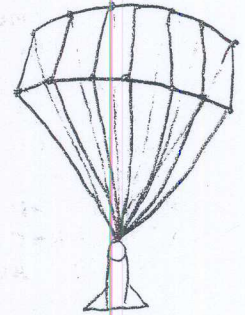
Ed. Note: The following design was adapted from one found in Starburst
The newsletter of the Steel City Section. A booster for this is left up
to the builder and experimentation is recommended. Called the

FLYING MATTRESS

the design is meant to be a glider.

$\frac{1}{2}$ size drawing

In Flight

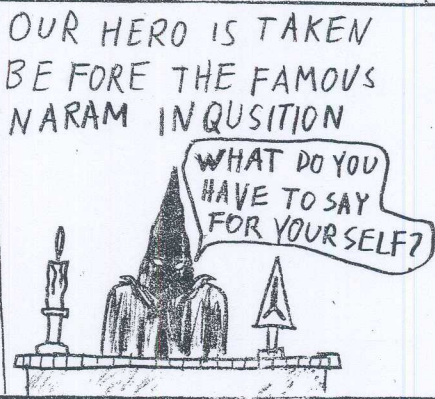
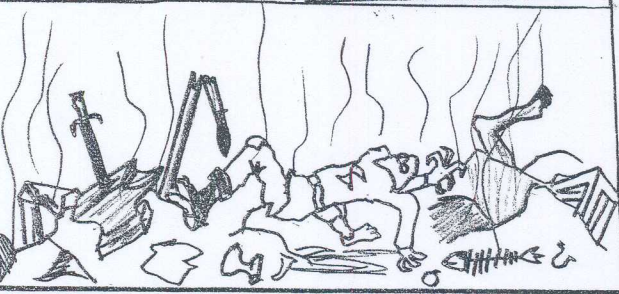
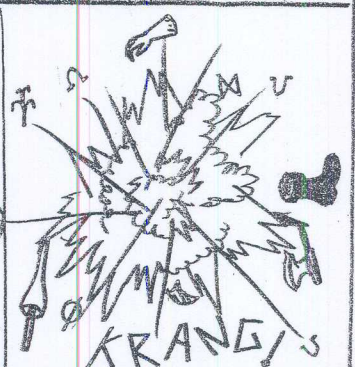


Attila #13
of NAR 459 A.D.
NARHAMS
BY: BRUCE EDWARD BLACKSTONE
+RP: PHIMMARTIM
Newer and slopier than ever!

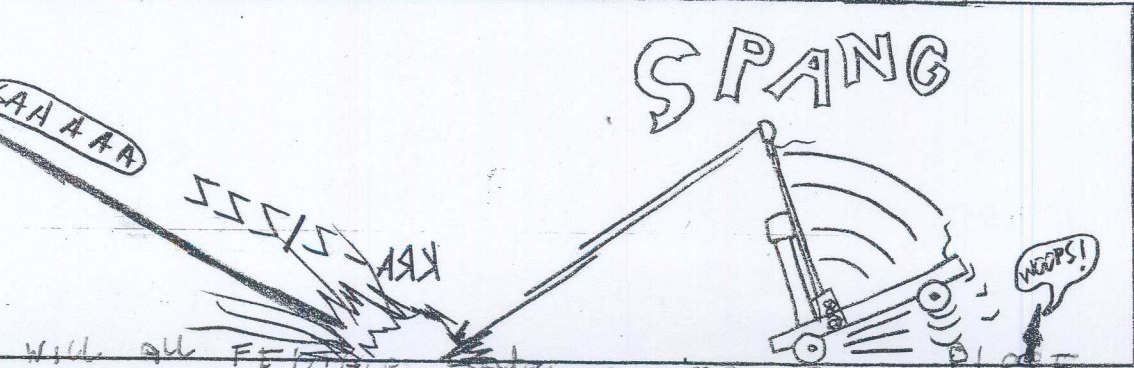
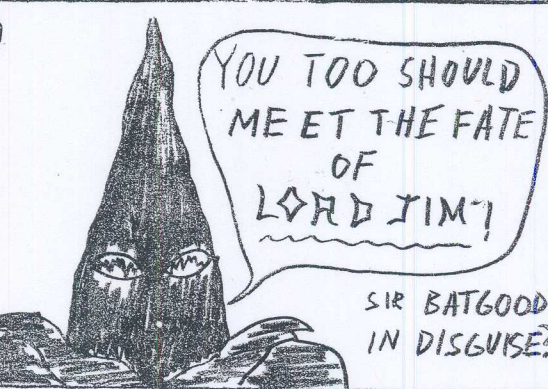
When we last left our hero he was witnessing a battle betwixt good(?) and evil.
DO TO THE SHOCK OF NO DITTO THER WILL BE NO HUMOR!



GALLOP
GALLOP
GALLOP
TRIP
GALLOP
STUMBLE
(AIR BORNE)



Be it known that for the crimes of heresy and (WORSE yet) professionalism the subject was found GILTY (AND HE WASN'T EVEN LOOKING!)



WILL OUR HERO MAKE IT BACK ON THE FIRST BOUNCE? THE SECOND? OH WELL.