

THE HISTORY OF OUR HONORARY MEMBERS PART 2

Continuing with the trend established in the last issue, we have decided to present another historical sketch on one of NARHAMS honorary members--that of George McMullen.

George McMullen became interested in model rocketry as an extension of his science and science fiction interests in high school. Instrumental in forming the club, George offered his basement as the first meeting place for the NARHAMS. Oh how well the old NARHAMS members remember crowding 43 onlookers into that cramped basement (which later on, with the help of George's brother Doug, became the site for many workshop meetings and gatherings), and the effort we had in keeping Coradore Frost away from the families private slot machine.

George became NARHAMS' first activities chairman and in the second year was elected president. It was in that year that NARHAMS became reserve national champ.

Other things go to the George's credit. He has helped in numerous public demonstrations, including a television appearance, and as range operations and maintenance head had gathered such goodies as: two oscilloscopes, a sniperscope, an electric typewriter, transistors, wire, wigets, wagets, and whathavets.

As time goes by we hope to capture George back into our midst, but presently he is on a four year loan to the Air Force.

In the next issue we hope to bring you the final part of "The History of Our Honorary Members," covering Jan Blickenstaff and Bob Wallace.

NEW N A R BY-LAWS

At the last Pittsburgh Spring Convention an open Board of Trustees meeting was held. At this meeting the new NAR By-Laws were distributed, dated October 1967, and are presumably under effect presently.

The major additions, changes, or deletions which this new set of By-Laws has introduced are listed below:

- 1) Addition of membership classed for manufacturers and supporting corporate members.
- 2) Leader members, manufacturer members and corporate supporting members given right to vote on all NAR business.
- 3) Quorum for business meetings raised from five to twenty-five voting members.
- 4) Office of Secretary-Treasurer divided into Secretary and Treasurer, (two offices.)
- 5) Five new standing committees added: Section Activities Comm.; Education Comm.; Public Affairs Comm.; Publication Comm.; and Technical Services Comm.

These are the major changes in the By-Laws though some had been implemented prior to the actual release of them.

SPACEMOBIL

The NASA Spacemobil Lecture, which our section was planning to sponsor again this year has to be called off.

The main reason for this was that there was no place, large enough for it and the audience we hoped to attract, available for our use.

It is hoped that next year our section will again be able to sponsor this worthwhile activity.

NEW ENGINES

In Estes Industries newest catalog (#681), a new line of engines has been announced. The engines conform with the new metric classification system and have total impulses of .625, 1.25, 2.25, 5.00, and 10.00 newton-seconds.

These engines happen to be the maximum impulse allowable in many of the new pink book events and are therefore going to be widely used in competition. The casing thickness is smaller than the old series engines and the nozzle design has been changed.

Although most of the new engines have close specification to some of the older ones, there has been added a slower burning "A" and also a "C" engine with delay and ejection.

Further good news accompanying the new engine line is the fact that the prices remain the same as before. In addition to the new engines the catalog also introduces a few new kits and a C-rail launching system.

Announcement of certification of the new engines for competition use is expected to occur soon. The old engines will remain certified for competition also. Rocketeers on the Estes mailing list should receive a new catalog very soon.

SECTION MEET

There will be a section meet on July 28, 1968. The meet will be held at the Goddard Space Flight Center Antenna Range. Launching will begin at 11:00 A.M., Sunday.

The events of this meet will be: Swift KB/G; Design Efficiency; Egg Lifting; Class I Parachute Duration; Open Spot Land; and Pee Wee Payload. First Event-C.I.P.D.

REMINDER

This is a reminder to all those NARHAMS members who will be going to NARAM-10.

In the last issue of the ZOG 43 there was printed an excerpt from a letter from Mr. G. H. Stine, chairman of the NAR Standard and Testing Committee. This letter stated that between March 26 (the date of the letter) and NARAM-10, engines could be flown as the class that was printed on the outer casing. If a "B" was printed as the class the engine could be flown in competition as a "B" although it was really a "C" engine.

The ruling, which is now in effect will not be in effect at the Nats. In all events at the National Meet, you must use the actual total impulse of the engine, no matter what is printed on the outer casing. (This does not mean that the old engines can not be used. They are still and will remain certified.)

REMEMBER: The engine you use must be used in its proper classification.

SCHEDULE

All meetings for the next three months (July, August, and September), shall be held at the Chevy Chase Library. Regular schedules will be sent to all members shortly.

The editor of ZOG 43 invites the members of NARHAMS and of the NAR to write and submit any articles or information for publication.

Send to:

ZOG 43

c/o Chuck Gordon

192 Charlotte Drive

Laurel, Maryland 20810

GRANT

Ed Pearson, long standing member of our section, is one of the twenty-five persons selected from all over the country as recipients of a special National Aeronautics and Space Administration grant in Public Administration.

The program is the University of Maryland Summer Institute in Public Administration sponsored by NASA. Successful completion of this course will provide three college credits.

Ed is attending classes in this program at the Goddard Space Flight Center. Classes are held in the mornings and there is special research work to be done in the afternoons.

All tuition and fees are paid by the government through this special grant and Ed is also paid for his research time.

Two of Ed's classes are Discussion Management and Government & Politics. There are also lectures from top men these fields from all over the country, including Mr. James Webb, head of NASA and sponsor of this program.

Included in this program are special tours of NASA installations. Ed has already had a complete tour of Goddard S.F.C., and will have tours of Langley A.F.B., Wallops Island Station, and a three day trip and tour of Cape Kennedy.

Congratulations and best wishes Ed, from the staff of the ZOG 43 and all the members of NARHAMS.

RANGE LAUNCH

A range launch was held by our section on Sunday June 30, 1968 at the field behind the Hobby House in Laurel.

Turnout at the meet was very good, considering the distance most of our members had to go to get to the field.

CHANGES

ROSTER: Jim Barrowman 6809-97th Pl.
Seabrook, Maryland 20801

POINTS

The following are the points standings for the members of our section as of June 1, 1968.

Barrowman team	304
Conner	194
Wheatly	151
Gordon	124
McMullen	118
Blackistone	113
Elliott	101
Kratzer team	83
Singer	69
Kranish	69
Pearson	57
O'Steen	43
Swift	44
Dimond	26
Spacht	24
Duck	12
Servatiur	6
Hunter	4
Ronayne	4
<u>Blickenstaff</u>	<u>2</u>
SECTION TOTAL	1553

MARS - I I

Members of the Star Spangled Banner Section hosted a regional model rocket meet at the Aberdeen Proving Grounds, on June 22 and 23, 1968.

The Mid-Atlantic Regional Shoot II (MARS II), attracted over forty-five from the WANARVA area and Pennsylvania.

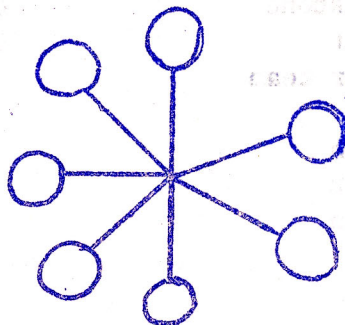
The events flown were: Class II Altitude, Design Efficiency, Single Payload, Hawk Boost Glide, and Scale.

NARHAMS as a section did not participate in this meet but some members of our section did fly as independants.

First place senior trophy for the meet was won by Jim Barrowman and second place leader trophy by Chuck Gordon.

PUZZLE PARADE

In the diagram below, start with any circle, count 1,2,3, and put a dot in the third circle. Keep doing this, starting with any other circle, except the circles that have dots in them, and try to fill all the circles except one with dots. You should have six circles with dots in them when you have finished. This will not be easy to do.



????????????????

There is only one four-letter word in the English language which, when printed in capital letters, reads the same up-side down as it does right side up.

????????????????

This is not a new problem but it is very interesting nevertheless. Three men registered in a hotel and asked for three separate rooms at \$10 each, so the clerk recieved \$30 from the three men. The next day the clerk found that these three rooms could have been let for \$25 instead of \$30 so he called the page boy and gave him the rebate to give back to the three men. But the boy, not being as honest as he might have been, gave each man back \$1 and kept \$2 for himself. Now each man instead of paying \$10, paid \$9. This makes \$27 for the three men since the page boy kept \$2. Now $27 + 2$ is 29. Where did the other dollar go?

ATTILA of NARHAMS rides again. B E W A R E !

BITS & PIECES

The National Fire Protection Association had passed a model rocketry bill. It specifies when model rockets may not be classified as fireworks.

A speical committee must approve the bill before it will go into effect in this state. When this happens the bill will become a law in the state of Maryland.

Paul Connor, one of the original charter members of NARHAMS, has been elected by the members of our section to fill the slot of guaranteed representative from NARHAMS at NARAM-10.

Copies of the ZOG 43 $\frac{1}{2}$, from ECRM-II are still available from the communications committee. Any persons wishing copies please see Chuck Gordon.

Work has been done on a set of Altitude Determination tables by Jim Barrowman. By using the elevation & azimuth readings from each tracking station the altitude can be read directly from this table. The original idea for these tables from Mr. Richard Sipes.

These tables were used at MARS-II in June and will probably be used at NARAM-10.

ZOG 43 is an official publication of the National Association of Rocketry Headquarters Astro-Modeling Section

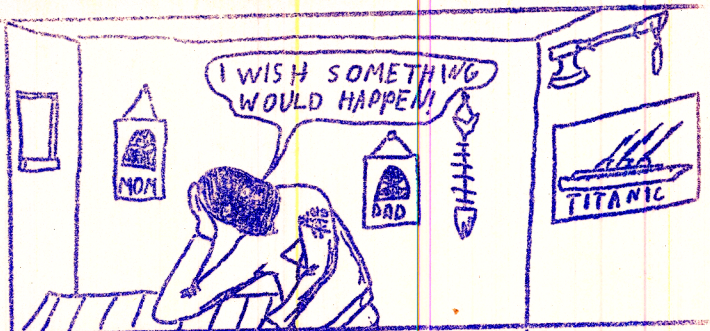
Editor ... Chuck Gordon
Cartoonist ..

.. Bruce Blackistone

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OF 6 *6
NARHAME
NASH 6883 7409 1968 A.D.
BY: BRUCE BLACKSTONE
AP: PRITHVIRAM 6413 LOR?

WHEN WE LAST
LEFT OUR HERO HE
WAS WAITING FOR
SOMETHING TO
HAPPEN!

NARHAME: PRITHVIRAM: PMARBY:
NARHAME: PRITHVIRAM: PMARBY:



A NOTE! TO WHOM IT
MAY CONCERN:
A BASEMENT
BOMBER HAS FILLED
THE JUPITER-C AT
THE SMITHSONIAN WITH
68837409 PACKS
OF MATCHHEADS +
1 BAGEL. ACT FAST
A FRIEND
(AGAIN)

