

LAUNCH RACK

"ALIS VOLAT PROPRIIS"

VOL. V, ISSUE 39

OCTOBER 1987

Jack Sarhage, Editor
875 River Road
Piscataway, NJ 08854

The LAUNCH RACK is the official publication of the Garden State Space-modeling Society (Section 439 of the National Association of Rocketry) and is published monthly (except for combined issues May/June and July/August) for the enlightenment and entertainment of the membership.

Others interested in receiving this publication may do so for the yearly subscription rate of \$5.00. Please send this fee to the editor.

The Editor invites and encourages all to submit articles, photographs, plans, etc. to be included.

The deadline for material to be published in the next issue is November 1, 1987.

Your Status:

- () Your subscription ends with this issue.
- () If and "X" appears in this space it is time to think about renewing your GSSS membership. It expires on _____.



Editor's CLIPPINGS

"So live that you wouldn't be ashamed to sell the family parrot to the town gossip."

ANON.

The lead in this month has nothing to do with rocketry, I just liked it. Say, have you ever notice how much stuff this guy Anon has contributed to the literary world?

First, I am sorry that this issue is so late. I wanted to be able to include the report on JOISEE-3. So with waiting for this information and photos the time just slipped by.

Secondly, please note that the subscription rate to the LAUNCH RACK has been increased to \$5.00 for ten (10) issues.

I received a very nice letter from J. Patrick Miller, President of the National Association of Rocketry adding to the history of the NARTREK Program.

It was great to know that my facts were correct. Pat advised that he was the Pacific Regional Manager at the time. This was prior to his becoming President.

Just how long have you held that post, Pat?

Pat Miller continued, "Since no action had come out of the March 1977 Board decision to investigate the skills level advancement program, the Pacific Region at its annual meeting decided to start one of its own..."

Along with Harry Stine, Chas Russell and other NAR members he oversaw the initial NARTREK effort which was, "in fact, primarily derived by Harry Stine."

The Bylaws of the NAR were revised in 1982 to "make NARTREK a stand alone committee with its own Chairman and Budget. In the meantime it has grown to become one of the finest NAR service programs."

Amen, to that.

Before I close the "Clippings" column I have one more thing to say. Life gets pretty crazy some times and you wonder how to manage to find the time to do all the things you do. So, every now and then you take stock of what it is you are trying to accomplish. I have reached this point.

I think that after seven years it is time for me to step down as the editor of the LAUNCH RACK. Don't get me wrong I enjoy putting it together and it is even fun at times. I just feel that I have reached a plateau and am suffering from Editor Burnout and need a break.

If there is any club member who would be interested in taking the position of Editor, please let me know so we can take a good look at what is expected, and what you will be letting yourself in for.

Until next time,

"Keep 'em Flying."

Jack

PRESIDENT'S MESSAGE

BY
BOB ZABRISKIE



Hello again!

Well, JOISEE-III is history. We had probably the best weekend, weather wise in quite some time. Turnout wise, was OK. What we lack in quantity we made up for in quality (See story elsewhere.)

I would like to thank those members that supported the contest by competing and those that didn't, but were there to help. A very big THANK YOU to Ann Kreutz (Dr. Bob's wife) who worked the check-in table both days. (See also supplied all sorts of wonderful thing to munch on. Ed. Note)

Now to go on to another subject. The NAR has been making some strange decisions in regards to contests and contestants, and the sections they may or may not join?? Comments anyone??

Would you like to save 30% on Estes products? Send your order minus 30% and a check to me. An order is being put together for club members.

Continued on page 7

JOISEE III

by Steve Pantuck



There was a good turnout for the meet; a lot of members showed up, with those not competing helping out, mostly with timing. As JOISEE III was a regional meet, there were obviously also a number of non-club members competing. Some club members, some of the other competitors, and some others also did some sport flying.

The meet was held at North Branch County Park over two days. The weather was beautiful on Saturday and Sunday and the field was even dry—quite a rarity for North Branch! On Saturday it was very windy, and competition was tricky; Sunday gave us only a mild breeze and some good thermals and was the better of the two days for flying.

Present at the meet were: Ed and Eddie Glembocki, Steve, Bob Zabriskie, Dr. Bob (Contest Director) and his wife Ann, Ted (Range Safety Officer), Jack, Jude, Arnie (Assistant RSO), Bruce Canino, Bob de Rosa, Greg Zsidsin, Carl Cufone, and Mark Cascella. Members of other sections and independents included Don Stankalis, Glenn Feveryear, David Berezowski, Charlie Sykos, and Darryl Bockman (who together are the Pavlov/Jankov Team). There may have been some others that I'm not aware of, as I arrived late on Saturday. Bob Zabriskie and Carl Cufone were also competing together as the TNT Team. A number of sport fliers and visitors whose names I never managed to get were also present.

The competition went extremely well. The Sport Scale and Plastic Model Conversion events showed some beautiful work. Members (and others) who have been at previous sports launches may recall Dr. Bob's Astronaut Manned Maneuvering Unit PMC; it was back in its third incarnation. It flew remarkably well on a D engine and suffered only minor damage upon landing. Bruce Canino wasn't so fortunate with his Moon Lander PMC; it wasn't *quite* stable in flight, landed hard, and suffered quite a bit of damage upon meeting the ground.

The Pavlov/Jankov Team turned in some amazing $\frac{1}{2}$ A International Parachute Duration times, including one that destroyed the existing NAR record. Charlie is submitting forms to claim a record of **17 minutes, 32.3 seconds!**

Since Eddie Glembocki was the only Division A entrant and there were no Division B entrants, he competed in Division C, and he did pretty well, as the following results will show.

Continued next column...



Contest results were as follows:
(all entrants competed in Division C)

$\frac{1}{2}$ A International Parachute Duration

1. Pavlov/Jankov Team	355.2 seconds
2. Glenn Feveryear	211.7
3. Dr. Bob Kreutz	179.6
4. TNT Team	171.7
5. Eddie Glembocki	107.3
6. Bruce Canino	43.6
7. Jack Sarhage	30.0
8. Douglas Ferguson	28.9

$\frac{1}{2}$ A Streamer Duration:

1. Pavlov/Jankov Team	91.8 seconds
2. Glenn Feveryear	68.8
3. Bruce Canino	42.4
4. Douglas Ferguson	14.9
5. William Middleton	9.3
6. TNT Team	DQ
Don Stankalis	DQ
Dr. Bob Kreutz	DQ
Jack Sarhage	DQ
Eddie Glembocki	DQ

Continued page 4...

ELECTIONS, ELECTIONS, ELECTIONS

Last issue we advised that nominations for club officers are due this month. Date is 1 November 1987.

One of your membership privileges, DUTIES, is to elect those people that you feel can best look out for your interests and those of the club.

The nomination doesn't have to be anything fancy. Just a note to the Section Advisor (Jack Sarhage, 875 River Rd., Piscataway, NJ 08854) listing a name for each of the following positions:

- 1) President
- 2) Vice-President
- 3) Secretary-Treasurer

Then, a ballot will be completed using names nominated and presented to the membership in the next issue of LAUNCH RACK. Each member will vote for one in each category and send it to the address supplied with the ballot.

Each members, means you vote whether you are a Junior, Leader or Senior. VOTE.

One more thing, before you nominate a member, be sure he/she wants the position.

NEW MEMBERS TO WELCOME

It is a please to WELCOME our newest members. Join me in making them feel a part of the club.

183 Joseph Maglaty (S)
2033 Spring Valley Rd.
Lansdale, PA 19446

H-184 Doris Mayer
182 Madison Drive
Elizabeth, PA 15037

185 Andy Godlewski (J)
32 Lozier Rd.
Budd Lake, NJ 07828

This brings the total of paid-up memberships to 51.

B Super-Roc Duration:

- | | |
|-----------------------|----------------|
| 1. TNT Team | 1,393.0 points |
| 2. Dr. Bob Kreutz | 1,391.5 |
| 3. Eddie Glembocki | 933.1 |
| 4. Pavlov/Jankov Team | 712.9 |
| 5. Glenn Feveryear | 173.4 |
| 6. Don Stankalis | DQ |
| Bruce Canino | DQ |

A Boost-Glider Duration

- | | |
|-----------------------|--------------|
| 1. Dr. Bob Kreutz | 98.8 seconds |
| 2. TNT Team | 73.4 |
| 3. Glenn Feveryear | 67.5 |
| 4. Don Stankalis | 34.6 |
| 5. Pavlov/Jankov Team | 9.8 |
| 6. Eddie Glembocki | 8.3 |

1/2 A Helicopter Duration:

- | | |
|-----------------------|--------------|
| 1. Pavlov/Jankov Team | 58.7 seconds |
| 2. Don Stankalis | 17.8 |
| 3. TNT Team | 14.7 |
| 4. Dr. Bob Kreutz | 13.4 |

Sport Scale

- | | |
|-----------------------|--------------|
| 1. Dr. Bob Kreutz | 786.0 points |
| 2. Glenn Feveryear | 764.0 |
| 3. Pavlov/Jankov Team | 750.0 |
| 4. TNT Team | 626.0 |
| 5. Bruce Canino | 599.0 |
| 6. William Middleton | 562.0 |

Plastic Model Conversion

- | | |
|-----------------------|--------------|
| 1. Dr. Bob Kreutz | 709.0 points |
| 2. Pavlov/Jankov Team | 590.0 |
| 3. Bruce Canino | 583.0 |

A few comments about the competition results and sport flights are in order. Four of the super-rocs were very long; the TNT Team's entry measured in at 336.2 cm, Dr. Bob's Barad-Dûr (The Tower of Darkness) measured in at 334.4 cm, and the Pavlov/Jankov Team's two entries measured in at 280.0 cm and 345.9 cm. Jude flew a sport model which he described as being essentially a scaled-up Phoenix, but it was powered by an 8 engine cluster—1 D12-5 and 7 B6-0s! Bob de Rosa flew a model made from plans published in American Spacemodeling, the El Grosso, which had a beautiful flight on a cluster of 3 D12s. He also flew an AAA Pennsylvania Crude on an E28. One of the guests, a boy named Ben Sukovich, flew an FSI Viking on a C6-5; he and his sister Rebecca flew a good number of sport kits in between competition flights (and overhead planes).

That wraps up my report on JOISEE III; we hope to see all of you at our October 25 sport launch!

Learn about America's past, present and future on board the U.S.S. Intrepid, historic aircraft carrier

5

The Intrepid Sea-Air-Space Museum is one of New York City's newest cultural attractions. Once one of the Navy's greatest aircraft carriers, the U.S.S. Intrepid became a museum in August of 1982, and is filled with multimedia displays about America's past, present and future in the sea, air and space sciences.

Located at West 46th Street and 12th Avenue on the Hudson River, the Intrepid has hosted over four million visitors from

around the world since she entered a new era as a museum.

Also named a National Historic Landmark in 1986 by the U.S. Department of the Interior, the Intrepid Museum celebrates America in the 200th anniversary of the Constitution with exhibits displaying the history of aviation from the frail planes of pioneering days to today's Navy jet fighters to tomorrow's space rockets.

Museum visitors can relive 40 years of

American history as they learn about the U.S.S. Intrepid's great naval history at sea, her part in America's World War II Pacific victory, and the men and women who were a part of it all, including our nation's recipients of the Medal of Honor.

Imagine touching the very planes that soared off Intrepid's 900-foot Flight Deck! And below, on her Hangar Deck, imagine joining the adventure of aviation's earliest days in Pioneers Hall; seeing the world of today's Navy in U.S. Navy Hall; learning about America's highest award for valor in the Hall of Honor; stepping with astronauts into man's final frontier in Technologies Hall; visiting the Admiral's Bridge; sitting in the Captain's chair!

Imagine adults and children alike setting a course through this country's past, present and future, and in midtown Manhattan, no less!

The Intrepid's story has been preserved for those who lived it, and for the generations of Americans who can look back and forward to the technological excellence and human courage which are our American heritage. Today, the 150,000 square feet that comprise the Intrepid Museum is a monument to American know-how and spirit.

Celebrate America at Pier 86 at West 46th Street from Wednesday through Sunday from 10:00 AM to 5:00 PM (last tickets sold at 4:00 PM).

The Museum is open year round and on most major holidays, with admissions set at \$4.75 for adults, \$2.50 for children 12 and under, and \$4.00 for senior citizens. Special group rates are available.

The Intrepid is convenient to public transportation, with discounted parking rates available nearby. Handicapped access via elevator to Hangar Deck level. For more information, call 212/245-0072.



ONE OF NEW YORK'S newest cultural attractions, the Intrepid Sea-Air-Space Museum was once one of the Navy's greatest ships. Today, the floating museum is filled with multimedia displays about America's past, present and future in the sea, air and space sciences. Exhibits display the history of aviation, from the frail planes of pioneering days to today's Navy jet fighters to tomorrow's space rockets. Visitors also learn about the U.S.S. Intrepid's great naval history at sea and her part in America's World War II Pacific victory. The Museum is open from Wednesday through Sunday, 10:00 AM to 5:00 PM. It is located on the Hudson River in Manhattan at Pier 86 at West 46th Street. For information, call 212/245-0072.

STEVE PANTUCK TEACH ROCKETRY

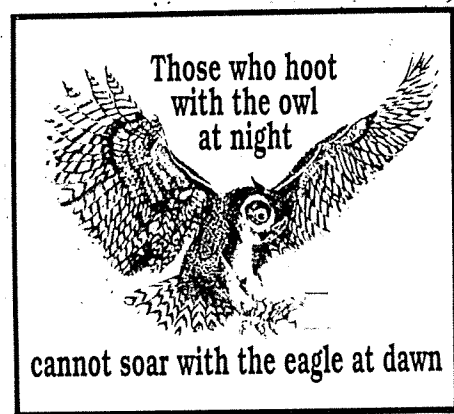
Steve is not only a good photographer, as seen in photos in this issue, he is also a very good teacher.

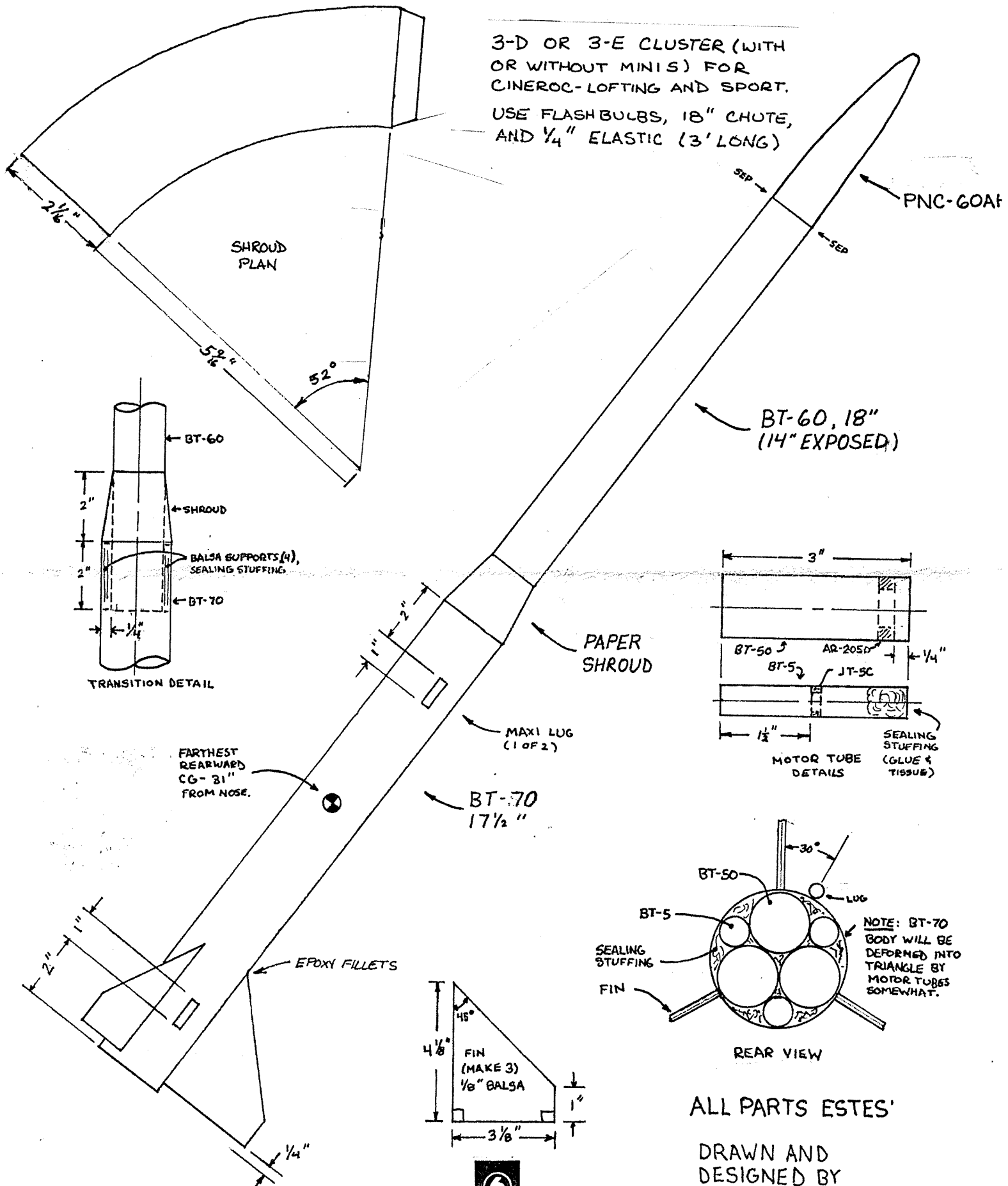
Steve is a counsellor at a summer camp in Maine where he instructs rocketry.

We have been advised that Steve started a 20-week class in Rutherford as part of the Gifted and Talented Students Saturday Program. The students are in the 3-8 Grade range and number about 20.

Steve said, "that they will build two different rockets during the 20-weeks.

Trust we will see some new faces at the launches??





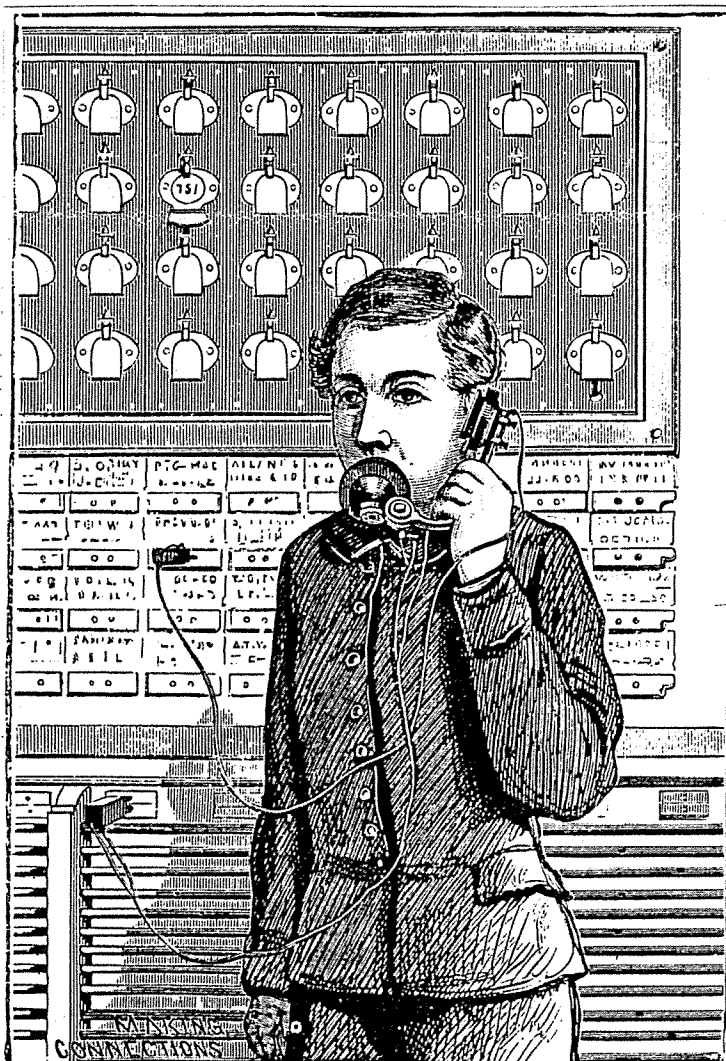
PRESIDENT'S MESSAGE continued...

Wallops Island Trip II

Anyone interested in going to Wallops Island again, either later November or early December should contact me as soon as possible.

"Keep them stable."

THIS SPACE IS EMPTY
BECAUSE YOU DID NOT
SEND YOUR ARTICLE, PLAN,
CARTOON, ETC.....
TO FILL IT UP.



THIS IS A SNEAK PREVIEW OF THE NEW
LAUNCH CONTROL SYSTEM WE ARE HAVING
BUILT FOR GSSS.

NEXT MONTH

WE BEGIN A JUNIOR PAGE.

PLAN: "Mini ALLEGRO"

7

COUNTDOWN (5-4-3-2-1) a Calendar of
Events.....

OCTOBER

- 25 - Sports Launch. North Branch
Park, Bridgewater Twnshp.
First flight 9:00 AM
- 27 - Open Board Meeting. JFK
Library, Hoes Lane in
Piscataway. Starts 7:15 PM.

NOVEMBER

- 1 - Nominations for club officers
due. Send them to the Section
Advisor, 875 River Rd.,
Piscataway, NJ 08854.
- 24 - Open Board Meeting. JFK
Library, Piscataway at 7:15 PM.
- 29 - Sports Launch. North Branch Park
in Bridgewater Twnshp. 9:00 AM

NEW WEIGHT LIMITS IN NAR SAFETY CODE
STILL PENDING FAA ACCEPTANCE

In a letter from G. Harry Stine, Chairman, Model Rockets Regulations Committee he states, "FAA is the only hurdle left to full acceptance of the new higher limits to model rocketry".

The new limits would be an increase of gross weight of a model rocket to 3.3 pounds and an increase to 125 grams the total propellant weight at lift-off of an engine.

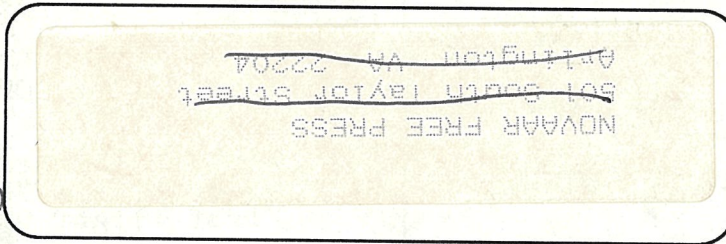
The FAA is dragging their feet due to this increase. In a letter from David L. Bennet, Manager, Airspace and Air Traffic Branch Regulations and Enforcement Division of the FAA said that since the rocket weight "would increase....by more than threefold....".

Mr. Stine has asked that all NAR members write their two Senators and Congressmen asking for their assistance.

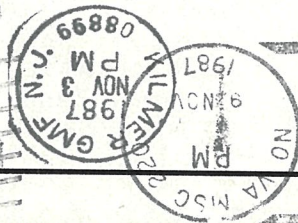
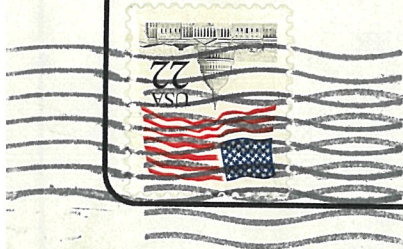
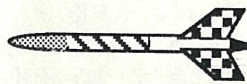
THE LAUNCH RACK

"If you see it in print - it's because it fit."

22101
c/o Brian Robinson
6600 Weddington Ct.
McLean, Va.



TO:



GARDEN STATE SPACE MODELING
SOCIETY -- NAR SECTION #439
c/o Jack Sarhage
875 River Road
Piscataway, NJ 08854-5549

GSSS MEMBERSHIP APPLICATION

Name _____

Address _____

City _____ State _____

Zip _____ Birthdate _____

Phone Number _____

Are you an NAR member? _____

If so, provide NAR number. _____

Membership Category (Check One)

- () Junior (Under 16) \$4.00
() Leader (16 through 20) \$6.00
() Senior (21 or over) \$9.00

This is a (renewal) _____ (new) _____ application.

I pledge to abide by the NAR/HIA Safety Code in
all my non-professional rocketry activities.

Signed _____ Date _____

Send this application along with check for dues to:
Karl Zabriskie, GSSS Secretary/Treasurer
123 Duer Street
North Plainfield, NJ, 07060

DIRECTIONS TO GSSS EVENTS

LAUNCHES

North Branch Park is very near the traffic circle
junction of NJ Routes 22, 28, 202, and 206, near
Somerville. Follow 202 South from the circle for
2 miles, past Ortho Pharmaceutical and RCA Solid
State Div., under railroad trestle marked "4H is
Tops", to right turn onto Milltown Road. Make first
left after firehouse and 4H Center on right; follow
path to open field. Monthly launches from 10-4.

FROM NORTH

NJ Turnpike South to Exit 10, 287 North to Exit 13,
202/206 South to Circle

FROM SOUTH

202 North to Milltown Rd.; or 206 North to Circle

FROM EAST

287 North to Exit 13, 202/206 South to Circle

FROM WEST

Rt. 78 or Rt. 80 East to 287 South to Exit 13,
202/206 South to Circle

MEETINGS

Take Route 287 to exit for Route 18, Piscataway.
Follow signs for Rutgers Stadium onto Temp. Rte. 18
(River Road). Take jughandle at first light onto
Centennial Ave., follow 1 mi.+ and make right onto
Hoes Lane; follow 1 mi.+ to John F. Kennedy Library
on right. Monthly meetings from 7 to 9 pm.