

SPOOK 86 CANCELLED AND OTHER NEWS

## LAUNCH RACK

Jack Sarhage, Editor 875 River Road Piscataway, NJ 08854

ISSUE NO. 30

November 1986

The Launch Rack is the official publication of the Garden State Spacemodeling Society (Section 439 of the National Association of Rocketry) and is published monthly (except combined issues for May/June and July/August) for the enlightenment and entertainment of the membership.
Others interested in receiving

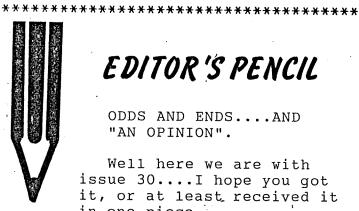
this publication may do so for the yearly subscription fee of \$3.00. Please send this fee to the editor.

The editor invites, encourages (threatens?) all to submit articles, photographs, plans, etc. to be included.

Deadline for material to be published in the next issue is November 25, 1986 \*\*\*\*\*\*\*\*\*\*\*\*\*\*

#### Your status:

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



## EDITOR'S PENCIL

ODDS AND ENDS....AND "AN OPINION".

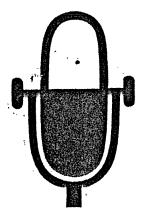
Well here we are with issue 30....I hope you got it, or at least received it in one piece.

I heard from two of our members that their copy of the last issue arrived in kit form.

It made me wonder just how many of you have gotten your copy...."torn, spindled, or mutilated."

Continued on page 4

## PRESIDENT'S MESSAGE



By BOB ZABRISKIE

This month I would like to find our missing members. By missing I mean members who haven't been seen of heard from all summer.

I hope that our contests didn't scare you off. THERE IS ALWAYS

TIME FOR SPORTS LAUNCHES AT ANY OF OUR EVENTS.

For the past two months we have told you about a trip to Wallops Island Flight Station in Virginia.

The response of those interested not counting those "that would like to go, but had other commitments" numbered 3 including me.

So for now we have rescheduled this trip in the spring (date to be announced.). The trip will be planned around your interest and the monthly model rocket launches held at the space flight center.

We have about 10 members who support the launches and 5 die-hards who come out for all events.

I would like to see that last number tripled at least.

Hope to see you at this month's launch. Until next time.....

#### A LETTER TO THE EDITOR

\*\*\*\*\*\*\*\*\*\*

To The Editor,

In the October 1986 issue of the Continued page 5



THE NEXT OPEN BOARD MEETING WILL BE HELD ON 25 NOVEMBER 1986 AT JFK LIBRARY ON HOES LANE IN PISCATAWAY. TIME 7:15 PM.

Manuel Mejia holds the GSSS weather station aloft. Didn't help as far as the last couple of events were concerned. Photo by the editor.

wet a little at a time.

#### MEMBER'S OPINIONS REQUESTED

It was proposed at the last OBM that these meetings should continue being held on the fourth Tuesday of the month as written in the club's by-laws. However to get additional feedback from the general membership we would hold a Section Meeting at the launches. This it is felt would benefit the club since attendance at the Tuesday night meetings has never been a success.

The second proposal was that of dividing the state of NJ into districts and electing a District Representative (DR) in each of the three districts. The responsibility of the DR would be locate a lauch site. schedule a monthly launch and hold a contest during the contest year. It was felt that there would be more lauches available to members (minimum 3 each month) at a site nearer to the member, thus increasing launch attendance and membership.

### SECTION NEWS



#### SPOOK '86 HAUNTED BY WEATHER

The first two contests of the 1986-87 contest year have had to be cancelled due to the weather.

It was decided at the last Open Board Meeting (October 28) that these would not be rescheduled.

JOISEE-3 will be held in the 1987-88 contest year.

## NEW CHAIRMAN OF THE CONTEST AND RECORDS COMMITTEE APPOINTED

At the OBM held October 28 Bob Kreutz, "Dr. Bob" was nominated for the position of C & R Committee head. This was voted on and accepted by the members present.

We know that all of the GSSS members will assist Bob in this important position.

We promished Bob that the schedule would not be so hectic in order for him to get his feet

Or, maybe you are missing an issue that was lost enroute to you. In any event we would like to hear from you about it, and we will send you any back issue that is available.

As far as getting them to you undamaged we can forward them in evelopes. This would add a cost to the ole newsletter budget that just isn't there. So...if you would like to have your copy of the newsletter delivered in an evelope send \$1.50 (the cost of the evelopes @15¢ each).

I found a nice letter in the mail from Bill Molinari the other day, in which he included his letest contribution "An Opinion".

## "AN OPINION" by Bill Molinari

As we all know (or should know by this time) the Model Rocket Safety Code is being revised. There were many factors and forces which lead to the revision. And overall I am pleased with the final outcome of the long time controversy. But it is not my intent to discuss the revision. Rather, I would like to discuss the direction GSSS should take when the new safety code comes into effect in 1987.

I have not been a member of GSSS for very long. In fact, I have not attended a GSSS launch as of yet. But I have been in model rocketry off and on for the past 15 years and have seen the ups and downs of our hobby.

I have also monitored the activities of GSSS for more than a year and I am please overall. However, from what I have read and seen in the LAUNCH RACK, I feel that GSSS is too "Contest Oriented" and I am afraid that this will stifle the growth of GSSS when the new code takes effect.

I would like to see GSSS open itself up to high power rocketry and welcome the new changes with open arms. There are many New Jersey rocketeers who are interested in high power rocketry and would welcome the opportunity to fly close to home, rather than going to Medina, Ohio or Zelianople, PA.

Contined next column....

EDITOR'S PENCIL continued.....

Allowing high power rocketry into the society will stimulate interest in scale models, R & D, increase membership and bring "maturity" to the club activities. There are too many positive aspects: of high power rocketry that can't be ignored".

I wrote Bill to assure him that we do not exclude high power rocketry on purpose. In the past there just hasn't been that much interest in it.

I wrote him also that I view anything that stimulates our club's growth in a positive light. The only thing I would hate to see is gaining so much maturity that it would scare off the younger rocketeers. They are, afterall, the future of this hobby.

Let us hear from you.

Keep 'em flying,

Jack

SECTION NEWS continued....

To vote on these proposals please send a postal card or letter to the GSSS President

Bob Zabriskie 123 Duer Street North Plainfield, NJ 07060

or to the Editor of this publication (address is on page 2).

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#### HOBBY SHOP UPDATE

Middlesex Hobby & Photo is now stocking a full line of Estes' parts (bodytubes, nosecones, etc.)..

Hobby Masters has in stock FSI engines along with kits and many parts.

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#### A Letter to the Editor continued...

Launch Rack the editor discussed some reasons for not trying to reform or abolish the New Jersey Rocket Permit (Ed. This permit is to buy and use "model rocket engines".) system. His reason for having this opinion was because he had not heard any satisfactory reason for such a task. In reality there are many reasons for at least reforming the NJ Rocket Permit system if not for abolishing it. The reasons are listed as follows:

- A) The State of New Jersey <u>does not</u> run any background checks on any of the permit applicants. This statement is based on the fact that the Department of Labor mails out the permit within 4-7 days of its reception of the permit application. No government bureaucracy on earth can run a background check that fast, no do it for two dollars an applicant. Thus it is possible for a 14 year old to fill out and receive a permit (the minimum age is 21 years of age). With the permit in hand such a person can either get rocket motors for a careless hobby shop (they do exist in large numbers) or through mail order.
- B) A number of New Jersey rocketeers travel out of state to buy their rocket motors thus defeating the permit system. One hobby shop in Pennsylvania reports that a good portion of its profits come from selling rocket motors to NJ rocketeers Another place where NJ rocketeers purchase rocket motors is the Pearl River Modroc Seminar in Pearl River, NY.
- C) The 21 year of age minimum clause in the NJ permit law makes a mockery of the system. This is because people as young as 17 years old are deemed capable to drive an automobile which is more than a thousand times heavier than the heaviest model rocket. A mishandled automobile is a very destructive machine—more destructive than a model rocket flying off course. To add to the danger to a mishandled auto is the fact that it is usually use in a populated area. Model rockets are flown in isolated fields. Thus it would seem more logical to allow the rocketeer to have a rocket permit at age 17 (or maybe a tad younger than that) while allowing that same rocketeer to possess a driver's license at age 21.
  - D) The NJ Model Rocket Permit system does not add to the safety of the hobby. A few years ago a number of freak accidents occured involving model rockets that abided either by the NAR/HIA rules of the FAI rules which are similar. These accidents simply could not be prevented. As for the so-called "bazooka builders" such persons are more than resourceful enough to construct their "equipment" in spite of the NJ permit rules (see reasons A & B).

In conclusion, it can be stated that the NJ permit rules have a number of faults. These faults are sufficient enough to neutralize any beneficial effects that the permit could give. The rules are also somewhat redundant and illogical.

Manuel Mejia Jr. Dover, NJ

KIT REVIEW: Pegasus (Estes No. 1376)

#### IN SEARCH OF NEMESIS

Part III - A Puzzling Discovery

"It looks like the flight deck of what they called aircraft carriers in the 20th century", Bob informed Karl.

"Yeh, but I didn't think they were this big. It must reach from one side of the asteriod to the other." Karl said.

"Your right! Just look at this stuff, its like a museum. I don't believe it. I thought this ship disappeared in a meteriod shower 60 years ago." said Bob. Karl quizzes, "What ship is it? I don't believe I've seen one like it before."

"No, its before your time. You remember reading about the shuttles in the 1980's? Well, this is the design NASA used after that. It is what was classified as a medium range stellar research craft. Sure would like to know how the old "Pegasus" wound up inside an asteroid", Bob said.

Estes' Kit. 1376 continues their

"Pegasus" wound up inside an asteroid",
Bob said.
Estes' Kit 1376 continues their
futuristic series of model rockets.
Rocketeers with a couple Skill Level 1 kits
under their belts will have little trouble
with this Level 2 model.
When complete is stands nearly 20inches (19.75" actually) from the tip of
the PNC-55AO nose copne to the rear
edge of the vertical stabilizer like fins.
The larger fins give it an airplane
appearance, a fact that could lead to kit
bashing this into the F-15 or F-16. I
wonder?
The only steps that differ from the

wonder?

The only steps that differ from the usual in Estes instructions are 7, 10, 12 12 and 13. In 8 you attach 2 BT-50 type tubes to the main tube a BT-55C. Just be sure all the tubes are lined up on a FLAT surface when glued together. Step 10 has to do with the launch lug. The last two steps referred to guide you in attaching the fins. Follow these four carefully as you do the rest and you'll have a good looking model.

I decided to use some new material as fillets between the fin roots and body tubes. I used SIG "Micro-balloons". SIG is the model airplane company in lowa. Their catalog has lots of items to be used in rocketry. If interested send \$3.00 to SIG Manufacturing Co., Inc., Montezuma, IA 50171.

The micro-ballons are mixed with model

To Be Continued

#### HISTORICAL LAUNCHES By Bob Zabriskie

- 11-01-48 V-2 launched (Bumper Program) reached altitude of 3 miles and exploded.
- 11-02-65 USSR Proton satellite (secret) launched.
- 11-03-73 Mariner 10 launched to fly by Venus and Mercury
- 11-07-72 Nike-Apache launched from Wallops Island, VA.
- 11-08-68 Pioneer 9 Spacecraft launch to study radiation from the Sun and interplanetary magnetic fields.
- 11-09-67 Apollo 4 launched on maider flight of the Saturn 5 and the first flight from Launch Complex 39.
- 11-11-66 Gemini 12 launched and completed 59 orbits around the earth.
- 11-12-81 Space Shuttle Columbia (STS-2) launched. The first manned space vehicle to be launched twice.
- 11-14-69 Apollo 12 launched on Saturn 5.
- 11-15-60 Aerobee launched from Wallops Island.
- 11-16-73 Skylab 4 launched on a Saturn 1B.
- 11-21-50 Taurus-Orion lanched from Poker flats, Alaska.
- 11-29-61 Mercury-Atlas launched with Enos the Chimp as the payload. He made two orbits of the earth before returning safely.

COVER PHOTOS: Top photo is Bob Zabriskie loading his E-poered rocket. The other rocket on the rack is the "Pegasus". Look for the In Search of Nemesis series for a review of this kit. The bottom two photos are of Teb Rebetje and his home-made shuttle. It didn't fly very stable, so Teb built another glider to be carried on the other side, thus balancing the weight. IT WORKED. (Photos by the Editor)

\*\*\*\*\*\*\*\*\*\*\* SAFETY IS NO ACCIDENT!

COUNTDOWN (5-4-3-2-1) a calendar of events....

#### November

- 23 Sports Launch at North Branch Park located in Bridgewater, NJ off US 202.
- 25 Open Board Meeting at JFK Library on Hoes Lane in Piscataway starting 7:15 PM.

#### December

- 14 2nd Annual Open House at the home of Ye Ole Editor. See below for details.
- 28 Sports Launch at North Branch Park in Bridgewater.

NOTE: There will be a special planning session during this month to plan 1987's activities.

#### 1987

Tentative Schedule

Jan. 25: Sports Launch

27: Open Board Meeting

Feb. 22: Sport Launch

24: Open Board Meeting.

Mar. 15: GODDARD III

24: Open Board Meeting.

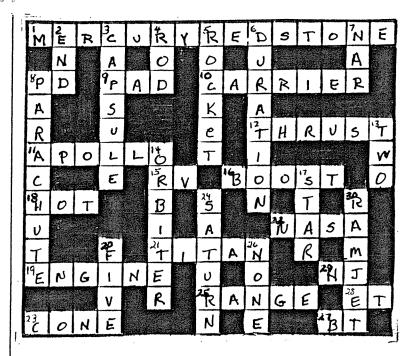
May 03: Y Indian Guide Rocket Meet.

Jun. 05: Lincoln-Roosevelt School Meet.

# December 14

Lorraine (she's the lady that gives me permission to mess the basement up with rockets and other mishapen pieces of balsa.) and I would like to invite you to our second open house on Dec. 14 from 4:00 PM until about 9:00 PM. Arrive when you can, leave when you must. Bring a beverage or other goodie if you wish.

Continued next column



Open House continued.....

I promise to make a batch of my mulled cider that was a hit with certain members last year.

We ask that you RSVP by December

1. Call us at 201-699-9456.

Hope to see you then,

Jack and Lorraine

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#### WATCH FOR ISSUE 31 FOR

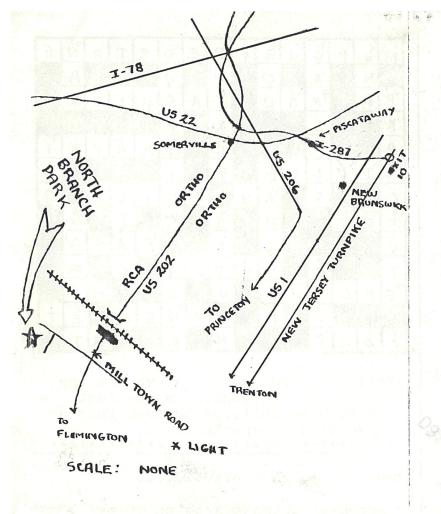
THE JARVIS STILL.

PART IV OF "IN SEARCH OF NEMESIS" DIRECTORY OF MEMBERS AS OF NOVEMBER 30 and other exciting news of and for GSSS members.

\*\*\*\*\*\*\*\*\*\*\*\*

OTHER SECTION NEWS (Swipes from other newsletters)

The Viking Report is now the Ascent from Midgard. What's a Midgard? Ask a Viking the next time you see one. Or, you could ask Ye Ole Editor at the next Open Board Meeting.



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





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## THE LAUNCH RACK

NEWSLETTER OF NEW JERSEY'S SPACEMODELING SOCIETY