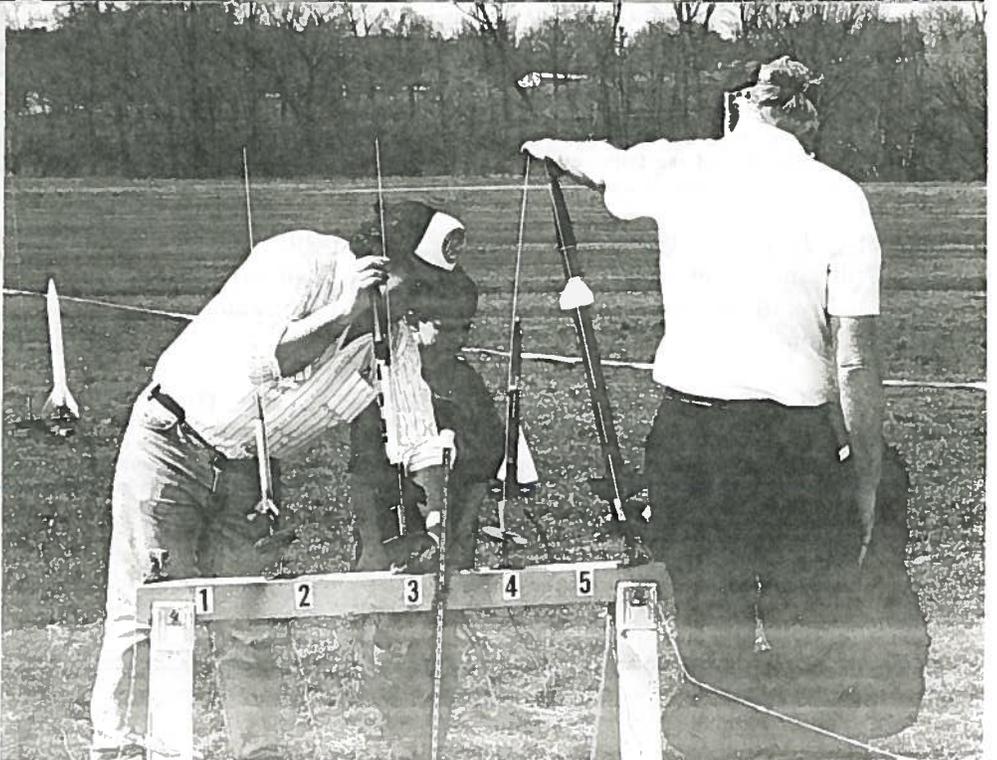
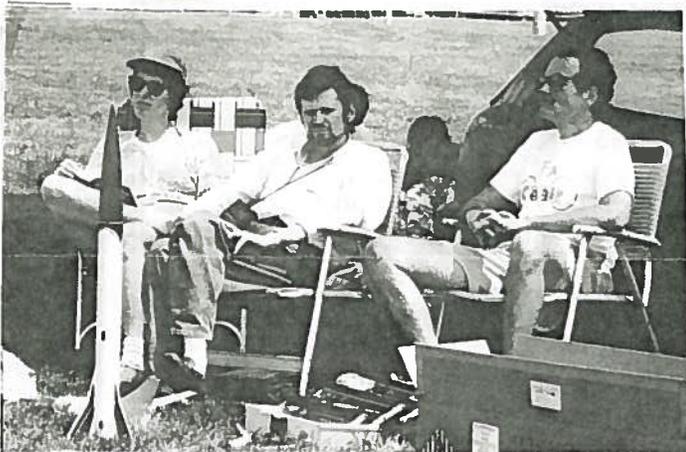


LAUNCH RACK



Journal of New Jersey's Oldest NAR Section

ISSUE 125(58)



The Launch Rack

The Official Publication of The
Garden State Spacemodeling Society

JULY/AUGUST 1998

ISSUE 125(58)

The Launch Rack is the official publication of the *Garden State Spacemodeling Society* (Section 439 of the National Association of Rocketry) and is published for the enlightenment and entertainment of its membership.

Others interested in receiving this publication may do so for the annual subscription rate of \$7.50 for 6 issues. Overseas subscriptions are \$17.50. Please send this money payable in USD to **Arnold Klein, 2 Oneida Avenue, Rockaway, NJ 07866.**

The Editor invites and encourages all to submit articles, photographs, plans, letters to the editor, etc., for future publication. In addition to articles, the Editor welcomes and encourages constructive feedback on each an every issue. Please send all material to:

Jack Sarhage
875 River Road
Piscataway, NJ 08854-5549

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LAUNCH WINDOW:

Anyone wishing to attend any GSSS activity should call the GSSS hotline (908) 658-9417 the morning of, to verify the event is still on. If the event is cancelled, the recording will be updated at 9AM.

A NOTE ON NORTH BRANCH PARK. Please keep in mind that the park and weather conditions dictate what we allow to fly. Just because a rocket is under the one pound limit, do not assume it is an automatic launch. If the RSO does not feel the model can be safely flown or recovered within the park's boundaries, it will not be flown regardless of the weight or impulse. If some other activity shows up and starts using the adjoining fields, the RSO will reduce impulse for all flights. So, bring some small stuff just in case. **REMEMBER, WE SHARE THE PARK.** We do not pay a fee and most of us are not a resident of that county. Rocket flying fields in New Jersey are in short supply, and we are protective of the fields we have. If you're unhappy with this limitation, then we invite you to help us in gaining legal access to privately owned, large, open fields.

Sat., July 25, 1998	Sat., August 29, 1998	Sat., September 26, 1998
10:00 am - 3:00 pm	10:00 am - 3:00 pm	10:00 am - 3:00 pm
Fun Fly: A Streamer	Fun Fly: 1/2A Parachute	Fun Fly: A Ping-Pong Ball
Duration	Duration	Ted Rebetje Section Meet

ALL OF THE ABOVE LAUNCHES WILL BE HELD AT NORTH BRANCH PARK

ON OUR COVER: Our faithful photographer Steve Pantuck provides the material for this issue's cover with photos from some of our monthly sport launches. Sorry, no captions came with them so I do not know some of the people included or the names of the rockets. Thank you Steve for your support.

NOTE: DEADLINE FOR NEXT ISSUE IS AUGUST 20



News From Section 439

A LOST OPPORTUNITY: If you remember, in the last issue of the newsletter we had a chance to promote not only the club but, the sport of model rocketry at an open house at Solberg Airport on May 16.. I am sorry to report that the support just was not there. Two of the members I talked to gave what I consider valid reasons they were not available. One told me he "wasn't interested". I also left messages on several machines and beepers that went unanswered. What is the answer? Why did you join a club? Remember? You agreed to "abide by the ...GSSS Constitution and Bylaws..." part of which reads to "promote the hobby/sport of model rocketry."

OPPORTUNITY GRABBED: On June 6 Jack Sarhage, GSSS President acted as judge at the Monmouth Blasters 4-H Rocketry Club's annual "first flight model rocket competition". Bob Novak, who is also a member of GSSS, runs this meet for the Monmouth County 4-H Club and it was Bob that invited us to participate.

There was a nice turnout with groups from not only Monmouth County but, 4-H Clubs from Middlesex, Somerset and Hunterdon Counties as well showing up.

There were six division by age and two classes of rockets to be flown; kit and original design and a special category for the "overall best 4-H'er in show". Which if memory serves me was won by Monmouth County 4-h'er Bob Whitehouse. His prize was the Jules Distel Memorial Award.

Rockets were judged on Appearance, Quality of Construction Preparation for Launch, Launch and Recovery.

The day was beautiful, except that the North Branch wind was in attendance even though we were in Dorbrook Park in Colts Neck.

TED REBETJE MEMORIAL SECTION MEET: Remember we have our own contest scheduled for September 26th at North Branch Park. The events to be flown are Open Sport Landing (OSL), 1/2A Boost-glider Duration (1/2ABG), 1/2A Parachute Duration (1/2APD), and A Streamer

Duration (ASD). These are very easy events yet they will challenge you.

DID YOU VOTE? IF NOT DO IT! I am referring to the ballot in the June 1998 issue of *The Model Rocketeer* to elect three members to the NAR Board of Trustees and also to amend the NAR By-laws. I will ask you to vote against the proposal to change the geographical regions from six to three. We need the diversity on the board. In fact we should have more regions.

The reason given for wanting to change to three regions is that "there has been a problem in getting a candidate to run from certain regions". If that is the case I would say the NAR Board of Trustees is not doing their job. Did they ask anyone??

I looked real close, but still may have missed it, the deadline date of having the ballot returned. I would venture a guess that it should be returned prior to NARAM-40.

THANK YOU: Thanks to Manuel Mejia, Jr. for his plan of "The Mini-Y Wing" made out of recycled material. In a recent letter Manuel wrote that he was "doing a rocket class launch with a group of Young Astronauts. To close the launch, (he) fired a Ted Rebetje style rocket with a "Legg's Egg" cone. (He) thought of Ted while the vehicle was in air".

Thank you also to Bob Zabriskie for his "Sky Watch" column which I always find of interest. Look for it on the following page.

Again, thank you Steve Pantuck for the photos from the sport launches.

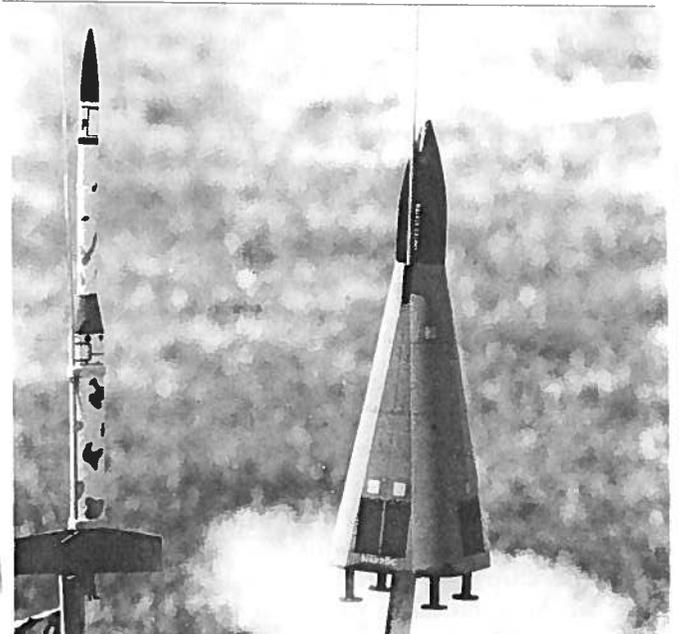


Photo by Steve Pantuck

SKY WATCH

Contributing Editor: Bob Zabriskie

In July Mercury and Jupiter are the only naked eye planets in the evening sky. However, Mercury is very low in the West-northwest sky after sundown while Jupiter rises around 11pm in the East. Venus and Saturn are in the morning sky along with Mars which is very low in the predawn sky below Venus. On the morning of the 21st Venus will be to the upper left of the crescent moon. Still the brightest "star" in the early morning sky. Saturn rises in the early morning and by dawn is high in the Southeast to the lower left of Jupiter.

In August in the hour before dawn we are treated to a very close conjunction of Mars and Venus (which is 100 times brighter). They will be less than 1° apart on the morning of the 4th. Mercury is creeping higher in the predawn sky and by month's end has passed Venus. Jupiter rises in the late evening at the beginning of the month, but by month's end is rising at dusk and is up all night. Less than two hours later Saturn rises. This year planet Earth will pass almost as close as possible to Jupiter. The nights of August 12 and 13 is the beautiful Perseid meteor shower, However the glow from the waning moon will interfere.

(Editor's Note: Earlier this year an asteroid was discovered that might swing within 30,000 miles of Earth. It gave rise to the question once again, "is there an asteroid with the Earth's name on it?" In next month's issue of *The Launch Rack* we will talk about this and what you can do to keep watch.)

FIFTEEN YEARS AGO The Launch Rack

Section 439 was still trying to find a launch site for its' July 23 and August 27 launches. Milton Voltee Park in Teaneck was being considered and word from the local recreation office was being waited upon.

It was report that about 42% of the membership was attending the monthly meetings. At the May meeting that year the film "The Apollo 4 Mission" was shown.

The new membership cards were displayed and passed out to those members present.

News of an Open Meet TRAMROC was included. This was sponsored by the Section then at the Trailside Museum in Watchung.

It was a two page issue without a cover because the Editor was on vacation.

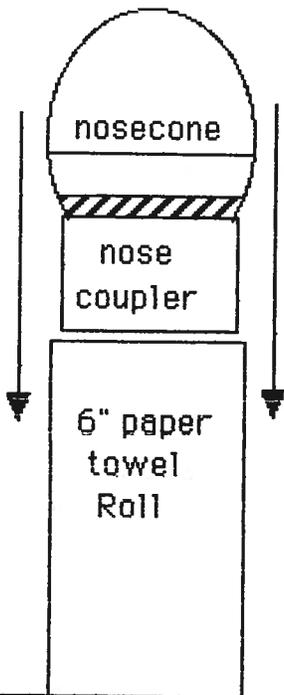


Photo by Steve Pantuck

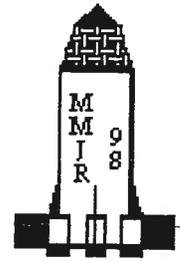
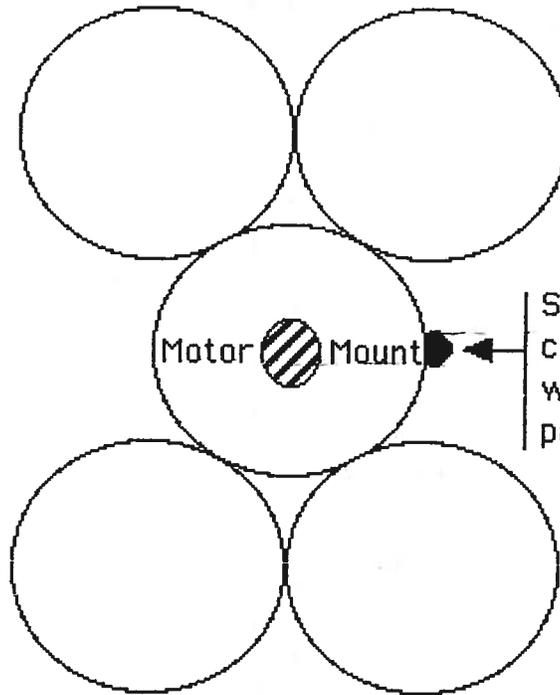
The latest in model rocket retrieval equipment.

**Remember it takes
"U"
To Make a Cl__b!**

Side View



Bottom View



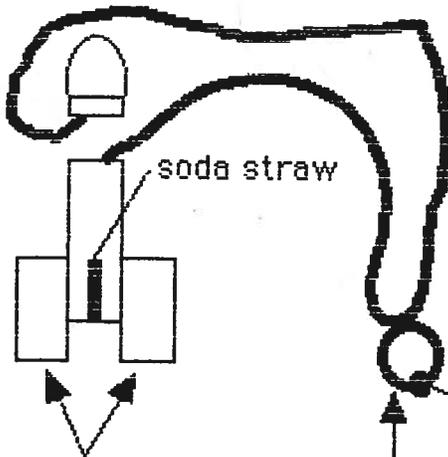
MOTORS: Minis-As

"The Mini-Y Wing"

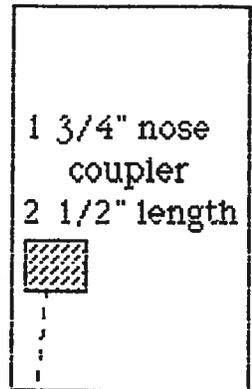
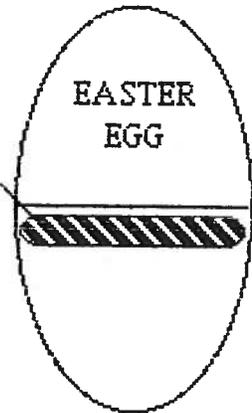
By

Manuel Mejia, Jr.

NOTE: Egg must be at least 1 7/8" at its narrowest diameter



BAND OF FILE FOLDER LABELS WITH A LAYER OF WHITE/YELLOW GLUE ON TOP TO STICK EGG TO COUPLER



glue tubes so that they trail fuselage by 1" -very important-

string (string is attached using string mount to fuselage)

string mount (card stock with kite string attached)

EASTER EGG NOSE CONE DETAIL

**DIRECTIONS TO NORTH BRANCH
PARK LAUNCH SITE**

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 Harris Corp, 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

GSSS MEMBERSHIP APPLICATION

Name _____
Address _____
City _____ State _____
Zip _____ Birthdate _____
Phone Number _____
NAR number _____ GSSS number _____

Membership Category (Check One)

- () Junior (Under 16)\$5.00
- () Leader (16 through 20)\$7.00
- () Senior (21 or over)\$10.00
- () Family Plan (Deduct \$2.00 for each additional family member, only one Launch Rack will be sent.)

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

Signed _____ Date _____
Send this application along with check for dues payable to: Arnold Klein,
2 Onida ave Rockaway N.J. 07866

**GARDEN STATE SPACEMODELING
SOCIETY -- NAR SECTION #439**

Robert Zabriskie
3 Peachtree Road
Basking Ridge, NJ 07920



TO:

Robert Nee
222 Willow Avenue - #2A
Hoboken NJ 07030

THE LAUNCH RACK
NEWSLETTER OF NEW JERSEY'S SPACEMODELING SOCIETY