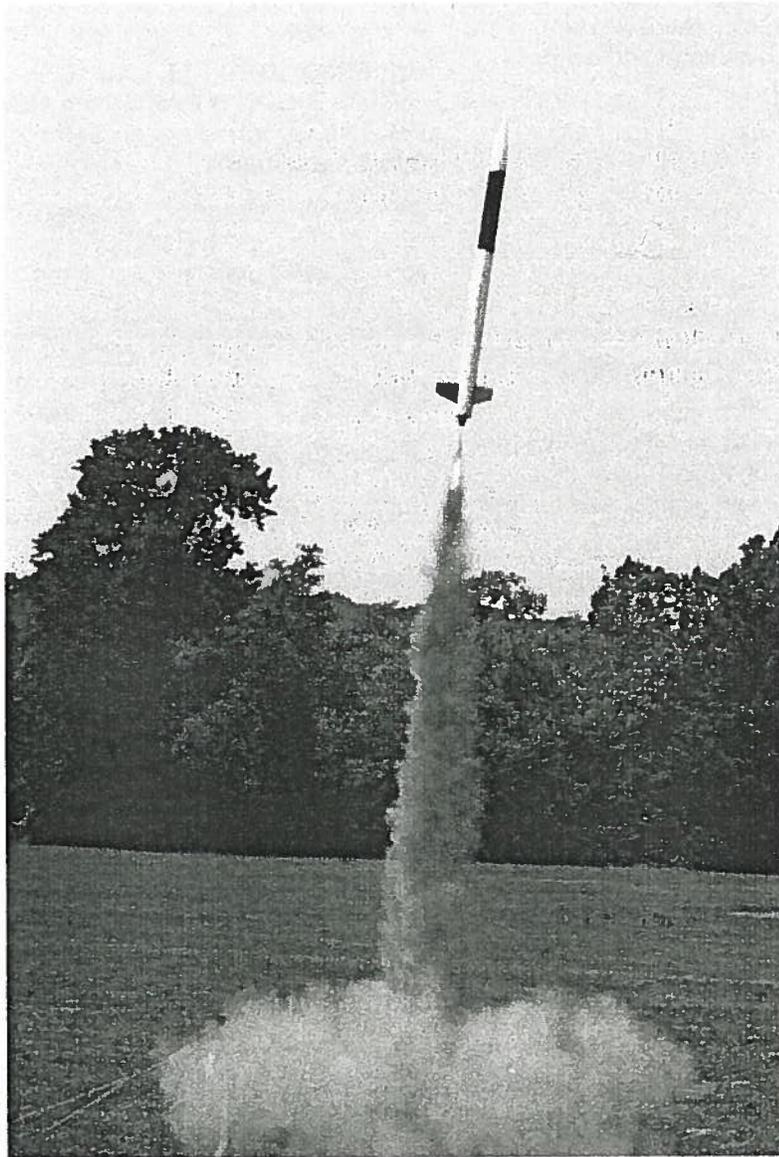


LAUNCH RACK



The Launch Rack

The Official Publication of The

Garden State Spacemodeling Society

July - August 2003

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 in USD to Arnold Klein, 2 Oneida Avenue, Rockaway, NJ 07866.

The Editors invite and encourage all to submit articles, photos, plans letters to the editor, etc., for future publication. In addition to articles, etc., the Editors welcome and encourage feedback on each and every issue. Please send material to:

Stephen and Theresa Flynn

1 Ridgeway Ave.

Blairstown, NJ 07825

e-mail: teristeve@earthlink.net

Our guest editor this issue is Emily Flynn.

Visit the GSSS web site at www.robnee.com/gsss/

As an added note, we especially welcome e-mail attachments in ASCII (.txt), MS Works, or Adobe format as well as digital graphics and digital photos. Photos that work well when converted to black and white would be the best.

Non-copyrighted material published in The Launch Rack may be used by other publications provided proper credit is given to the original author and this newsletter.

Your Club Officers

President Jack Sarhage

Vice President Bob Gill

Vice President Steve Pantuck

Treasurer/Secretary Arnold Klein

Section Advisor Bob Zabriskie

LAUNCH SCHEDULE

Anyone wishing to attend any GSSS activity should call the GSSS Hotline 908-658-9417 the morning of the event to verify if the event is still on. If the event is canceled, the recording will be updated at 9:00 am.

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 adjoining fields, the RSO may 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 of privately owned, large, open fields.

UNLESS NOTED ALL LAUNCHES WILL BE HELD AT NORTH BRANCH PARK from 10:00 AM to at least 3:00 PM. All launches are on Saturdays and are at least Sport Launches.

June 28, 2003 Launch – Funtest Open 2003

July 26, 2003 Launch

August 30, 2003 Launch

September 27, 2003 Launch

October 25, 2003 Launch

November 29, 2003 Launch

December 27, 2003 Launch

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ON THE COVER: Great launch shot by Steve Pantuck

The Launch Rack

Editorial

Well, the efforts to carve out legislation to correct the homeland security act are progressing. One of our members, Ismaeel Abdur-Rasheed is following the situation, publishing updates and discussion via e-mail. We hope to have something from him in a later issue. One thing that comes out is that, one false statement by our senators and our hobby can be in trouble when the bureau of Alcohol Tobacco, Firearms and Explosives (ATFE) interprets and enforces the law.

On another note, because we have not had any submissions of craft, technical, launch/meet coverage, etc. items, Steve is "punishing" the readers by publishing an editorial rebuttal.

ELECTION OF CLUB OFFICERS

Just a reminder that because this is an odd numbered year (2003) we will be hold an election later in the year for President, two vice-presidents, and Secretary/Treasurer, according to our club's by-laws.

Nominations, seconded, should be sent to the Secretary/ Treasurer no later than October 31 to appear on the ballot in the November/December issue of *The Launch Rack*. Ballots are to be returned to the Secretary/Treasurer no later than December 15.

Nominations are to be made for any by members in good standing. Before you nominate a person, please be sure that person is willing to run for that office and accept its responsibilities.

All GSSS members, REGARDLESS OF AGE, can nominate and vote for club officers. We are one of the few clubs that allow its leader and junior members to be part of the election process.

If you would like a copy of the club constitution and by-laws let me know. Write me; Jack Sarhage,
24 Canterbury Court, Piscataway, NJ 08854 or, e-mail me at jacknmel@optonline.net... and I'll send you a copy.

Bulletin Deadlines

Because of the elections, the following deadlines are necessary:

<u>Issue</u>	<u>Deadline</u>
September – October	August 31
November – December	October 31

Contest Update 2003:

FunTest Open 2003 Moved to June.

June 28 – FunTest Open 2003

NAR Open Meet and Fun contest for everyone

Events:	WF
Peanut Sport Scale (like NARAM)	20
Sport Scale	20
Predicted Duration	8
Streamer Spot Landing	4
Parachute Spot Landing	4

Entry feed \$1.00 to go toward a trophy for the top funtest scorer flyer and a ribbon for second place in the contest. Anyone who volunteers as a scale judge flies for free.

Let's hope the rain is finally over! Since scale models are involved the weather will be judge by the CD for suitability the day of the launch. Any rain date cancellation brings the meet into the next NAR contest year.

The Flynn's, GSSS Launch Rack
1 Ridgeway Ave.
Blairstown, NJ 07825

June 18, 2003

To the Editors Flynn:

Manuel Mejia, Jr.
3810 Quixote Blvd.
Tampa, FL 33613-4842
sfkee@scfn.thpi.lib.fl.us



I read your response to my letter that you published in the
May/June 2003 issue of the Launch Rack. You offered some
interesting points for readers to ponder. I do offer this rebuttal to
some of your comments.

1. TRA/ARA "snobbishness" when it comes to model rocketry:

You know you have hit rock bottom in terms of respect when you pay
a launch fee, an occasional surcharge, and then have to bring YOUR
ENTIRE LAUNCH GEAR in order to fly the smaller rockets. I did that just
a few times at HPR launches. I will never do this again.

2. RENT:

Rent is nice to pay but you have to get service for it in return. No
pads means no service.

3. Mentors for the under 18 crowd who want to fly HPR:

Proposals for trained mentors showing fledgling rocketeers how to fly
rockets of all types is a concept as old as the hobby. The Trip Barber
Report on HPR from the late 1980s mentioned how the French CNES

space agency funded and operated such mentor programs on the Mediterranean coast.

What keeps the French model from being emulated in the US is a lack of trained mentors who can make a living running such programs ~~and funding for salaries and operations. Volunteers and donations are~~ useless for such an endeavor because there is no way to expand past a pilot project.

4. The regulations do not effect rocket motors below the 62.5 gram limit:

At last ! Someone put the truth in print.

It would have been useful to have this discussion 12 months back. Unfortunately, commentary within NAR has been stifled and actions were taken without consent of the rank and file. It is for this reason why many rocketeers are choosing not to write the letters NAR and Tripoli want.

The Launch Rack

Micro-Me

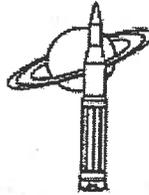
1/8A Streamer Duration Rocket

With the introduction of Micro-Maxx and Micro-Maxx II motors by Quest, a great opportunity has come around for backyard rocketry as well as a new possible class of competition – 1/8A motor class events. Imagine that you could actually go to a 50 foot by 50 foot field and launch a finely crafted rocket, challenged by the most minimum power. Chris Taylor has and has logged a 60 Second flight of a glider on a Micro Maxx !

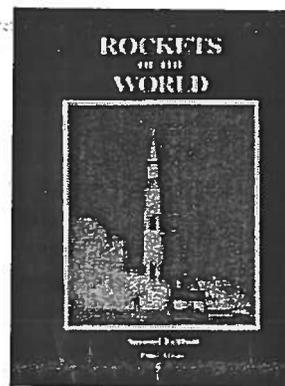
Along with the challenge of flying a miniature rocket, there is a matter of parts. You just don't see many rocket parts for 7 millimeter motors. Improvisation is important. Luckily, it is easier to craft some of the smaller parts. One source of body tubes is Aerotech 1/4 inch launch lugs. The nose cone can be crafted from a piece of hardwood dowel using a pencil sharpener and sandpaper to create and smooth out the cone. Use balsa or plastic (from plastic packaging) for fins. A low weight load Kevlar line can be used for the shock cord along with a small rubber band. A thrust ring may be optional. Instead, tape may be wrapped around the end of the motor to prevent it from going up the body. Lastly, the standard Quest Micro-Maxx launch rod is very thin so finding a launch lug may involve rolling some paper or tape to make the correct tube. Perhaps little wire "U" shaped lugs would work as well.

Build this one and you won't have to go far a-field for your next launch.

Advertisement



Rockets of the World



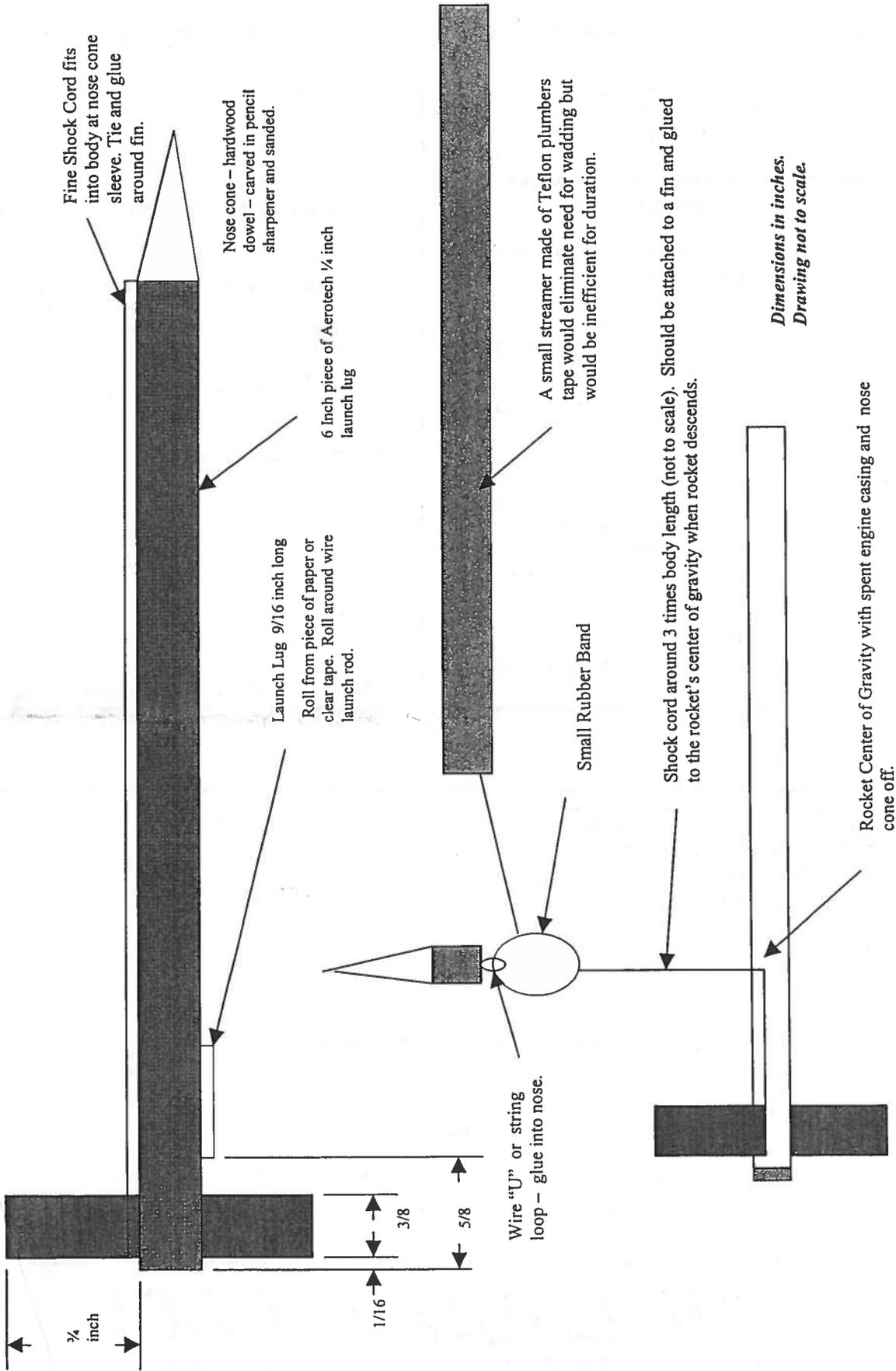
- Over 200 versions of 137 rockets from 14 nations
- Detailed dimensioned drawings
- Historical summaries
- Color-keyed drawings for accurate painting
- Durable Smyth-sewn hardcover binding
- 384 pages (8 1/2" x 11")
- Over 180 photographs

Rockets of the World: Second Edition (revised in 1995) is a reference book on historical and current rockets. While originally written for modelers, non-modeling space enthusiasts will enjoy its unique mix of detailed illustrations and historical and technical information not found in other books.

Rockets of the World gives you the detailed technical information you need to model rockets from around the globe! Fascinating historical summaries have earned the praise of modelers and armchair astronauts around the world.

Rockets of the World has rapidly become the favorite reference for documenting Scale and Sport Scale models National Association of Rocketry competition.

Micro-Me 1/8A Streamer Duration



By Stephen E. Flynn 6/21/03

**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, 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

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 Oneida 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

07030#3658

