

The Launch Rack

The Official Publication of The
Garden State Spacemodeling Society

NOVEMBER/DECEMBER 1998

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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:

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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.

<u>Sat., November 28, 1998</u>	<u>Sat., December 19, 1998</u>	<u>Sat., January 23, 1999</u>
10:00 am - 3:00 pm	10:00 am - 3:00 pm	10:00 am - 3:00 pm
Section Sport Launch	Section Sport Launch	Section Sport Launch (Tentative Date)

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

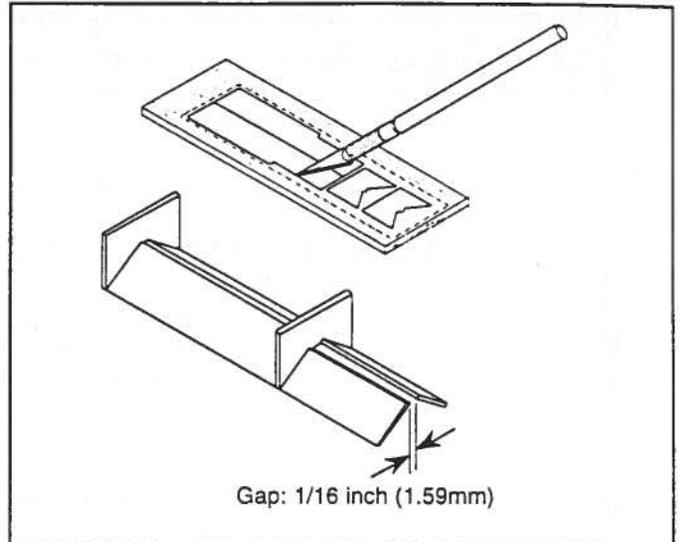
ON OUR COVER: This is serving as our cover this issue. Reason? The Editor just does not have time to do one and none of the other 50 plus members sent anything in. If you want a newsletter in 1999 then there will have to be more effort on the part of the other members in GSSS

NOTE: DEADLINE FOR NEXT ISSUE IS DECEMBER 21

Assembly and Use instructions

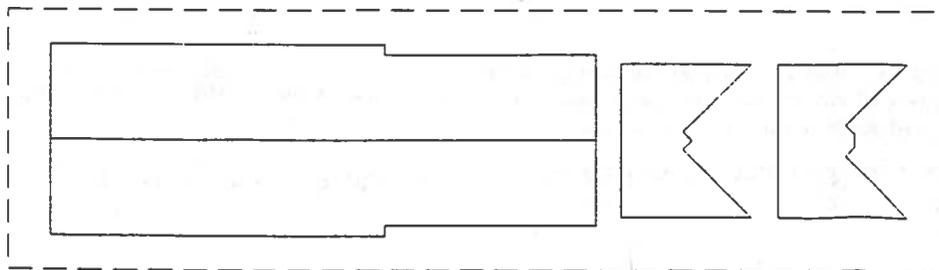
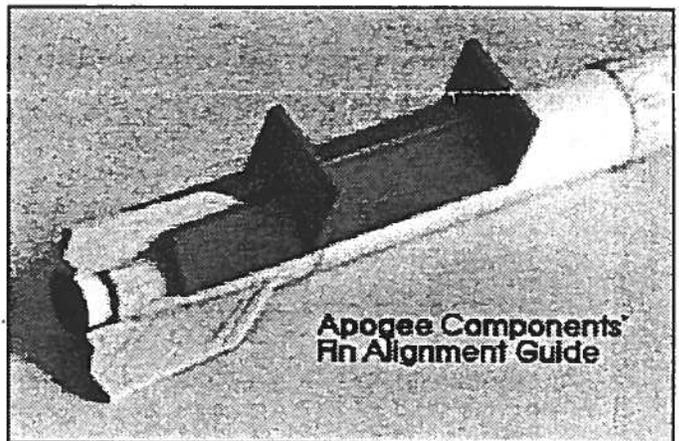
1. Cut out the fin alignment guide along the dashed lines. Glue it to a 1/16 inch thick piece of balsa wood (3M Spray Mount™ works fine). Using a **SHARP** hobby knife, cut out the four pieces.

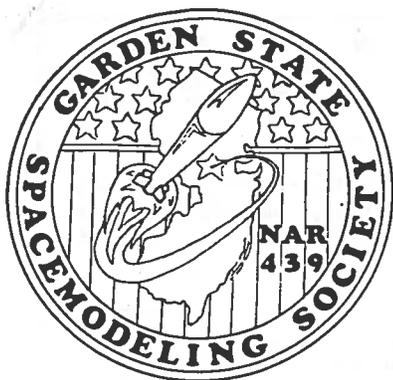
2. Glue the pieces of the fin alignment guide together with wood glue as shown in the illustration. Before the glue sets, check to make sure the width of the slot is snug by placing a 1/16 inch piece of balsa wood into it. Set it aside to completely dry.



3. Use the fin alignment guide as shown in the illustration to keep the fin parallel to the tube. You can hold it in place while the glue on the fin dries by wrapping a rubber band around the tool.

4. You can also use the edge of the tool to draw lines on the tube for fin placement.





News From Section 439

WHERE IS THE NEWS FROM SECTION 439??

First, I need to thank Bob Zabriskie for his "Sky Watch" column again this issue. His is the only submission of any type received from the membership of GSSS.

Second, I want to thank Steve Pantuck for his pictures that are faithfully sent after each Sport Launch and, to apologize for not using more of them. Until we can insure that the reproduction quality matches the original effort taken the taking of the photo there does not seem to be much point in printing them. Is there any member that can scan them (read make halftones for printing) Steve can send them to and then send them to the Editor??

Third, I don't want to forget to thank those that have on occasion forwarded material for publication; Dr. Bob Kreutz, Bob Gill, and the following non-members Manuel Mejia, Jr. and Tim Van Mulligan of Apogee Components.

Fourth, this is the last issue for 1998. This could also be the last issue of *The Launch Rack* unless there is more involvement of GSSS members. I know that you attend some of the Sport Launches that are held each month. Why then can't someone take it upon themselves to write up a short article of the who and what that went on? What interesting models were flown? I have seen several original designs flown at Sport Launches and I have asked several of you to draw up plans to be included in a future issue of **OUR** newsletter. They do not have to be "blueprints" just show the dimensions and the types of material used. I will redraw them if necessary. Some of you attend other launches and fly in contests that you can write your comments on. Letters to the Editor, both pro and con, have always be welcome for publication. Cartoons, book reviews, product reviews or how about that last kit you built....all of these can be contributions to **OUR** newsletter.

Lastly, I really do enjoy doing the newsletter

it is just that I cannot do it all myself.

Jack

SKY WATCH

Contributing Editor: Bob Zabriskie

NOVEMBER

Jupiter & Saturn dominate the sky all night. The moon will be very close to Jupiter on the night of the 27th.

Mars is visible in the predawn sky looking ESE on the morning of the 13th. The waning crescent moon will be very close.

Mercury is very low in the SW sky at sunset the first half of the month. The orange colored star Antares is to its lower left.

The big story this month is the possibility of the great Leonid meteor shower returning every year around November 17th and 18th as we pass through the debris of Comet Temple-Tuttle visiting us as it does every 33 years when spectacular showers can occur. The last one in 1966 when for one hour thousands of "shooting stars" whizzed through the sky. The best time to look will be 1am until dawn. Good luck!

DECEMBER

Venus returns very low in the SW after sunset in the 2nd half of the month.

Mercury is still around very low in the early dawn ESE sky. On the morning of the 16th the moon will be above Mercury and the next day the thin crescent Moon will be to the lower left of Mercury.

Mars rises after midnight and is visible in the SSE predawn sky.

Jupiter is in the southern sky. By month's end it sets by 11pm. On Christmas Eve Jupiter will be to the upper left of the moon.

Saturn follows Jupiter by about 1½-hours. It is the yellow "star" below and to the left. On the 27th the moon will be nearby.

Venus by the 25th should be visible low in the SW sky at sundown.

The Sun marks the Winter Solstice on the 21st at 8:58pm.

**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

