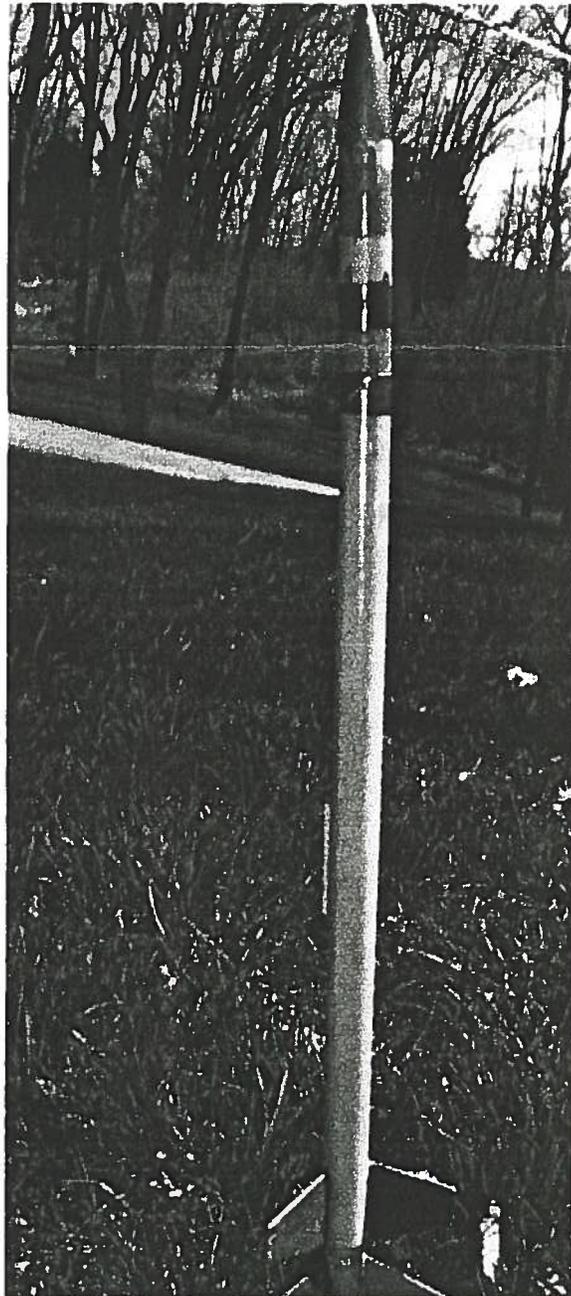
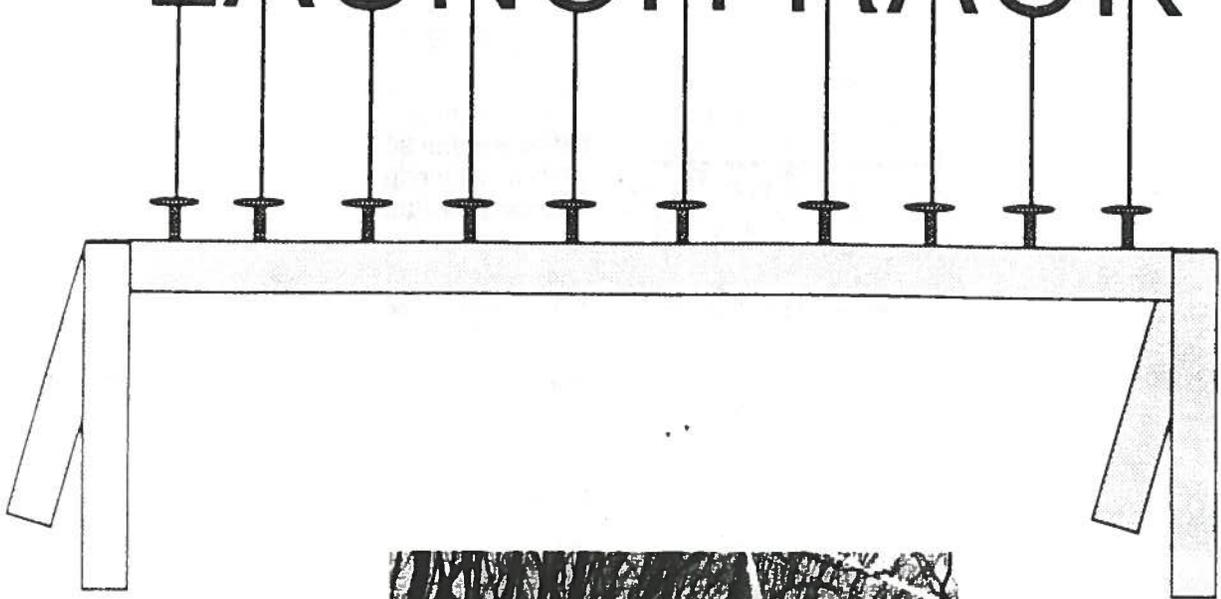


# LAUNCH RACK



# The Launch Rack

The Official Publication of The  
Garden State Spacemodeling Society

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**MAR/APR 2001**

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

The new 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: [teri@eclipse.net](mailto:teri@eclipse.net)

Visit the GSSS web site at [www.robnee.com/gsss/](http://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.

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## 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.**

**Those with \*\*, Events to be determined.**

### Saturday, March 31, 2001

Sport launch 10:00 am to 3:00 PM

### Saturday, April 28, 2001

#### **Spring Challenge 2**

Sport launch and NAR Open Meet 10:00 am to an undetermined time.

### Saturday, May 19, 2001 \*\*

Sport launch 10:00 am to 3:00 PM

Possible competition.

### Saturday, June 23, 2001 \*\*

Sport launch 10:00 am to 3:00 PM

Possible competition.

### Saturday, July 28, 2001 \*\*

Sport launch 10:00 am to 3:00 PM

### Saturday, August 25, 2001 \*\*

Sport launch 10:00 am to 3:00 PM

# The Launch Rack

**Saturday, October 27, 2001** \*\*

Sport launch 10:00 am to 3:00 PM

**Saturday, November 24, 2001**

Sport launch 10:00 am to 3:00 PM

**Saturday, December 29, 2001**

Sport launch 10:00 am to 3:00 PM

## IN THIS ISSUE:

Scale Data Note

Announcing - Spring Challenge 2, FunTest Open

Help Wanted... No... NEEDED!

New, Simpler Model Rocket Safety Code Announced

NAR controversy - "Donate to the Warchest"

Proposed Contest Season

Simple Helicopter Duration Part 2- Upgrade Your Skywinder - more photos and template.

## ON THE COVER:

...

*photo by Theresa Flynn*

## Scale Data Note

Your Editor has contacted the author of "Rockets of the World" to find out if I can publish one of his scale plans in The Launch Rack in exchange for some form of advertising. I propose that I would then advertise his books in a 1/4 page ad in our the next 4 issues of The Launch Rack in exchange for permission to copy one of his scale plans in full and publish it in one of the next bulletins. **Please let me know whether this is a good idea and what rocket you want and I will "finalize the deal".**

## IT'S OFFICIAL

### Spring Challenge 2 Is On!

**April 28, 2001**

**Bridgewater, NJ**

**10:00 A.M. until 5:00 P.M.**

Events:	<u>WF</u>
Streamer Spot Landing	4
1/4A Engine Streamer Duration	8
A Engine Streamer Duration	8
1/2A Engine Boost Glider Duration	17
B Engine Helicopter Duration	<u>21</u>
Total	58

Non-NAR members are invited to come out and join the NAR on the day of the meet if they wish to compete.

Should the meet get rained out, an alternate launch site may be chosen and the meet would be held sometime in May or June.

## FunTest Open 2001

**May 19, 2001**

**Bridgewater, NJ**

**10:00 A.M. until ??? P.M.**

Events:	<u>WF</u>
A Engine Streamer Duration	8
B Super Roc Duration	14
C Engine Eggloft Duration	16
Sport Scale	<u>20</u>
Total	58

Have Fun Testing your entries for Ramtech and NARAM. **One more scale judge will be needed, no experience necessary.**

## **Help Needed!**

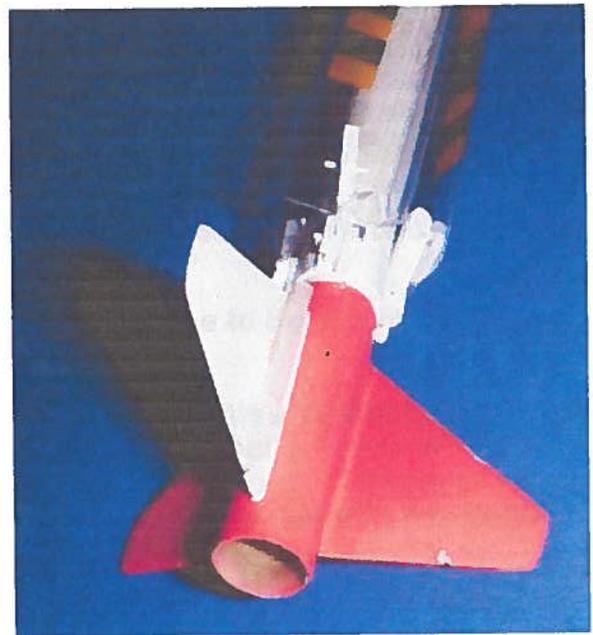
NAR Competitions require people to assume certain roles. Some can be for a few hours of the meet and others only require attention on an

# The Launch Rack

## Simple Helicopter Duration Part 2- Upgraded Your Skywinder - more photos and template.

These notes complete last issues article:

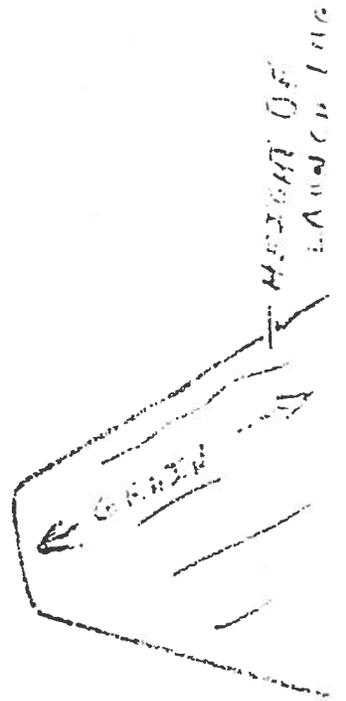
- ❖ Please see the fin template for the Skywinder upgrade on the back of the mailing cover of this issue.
- ❖ This has yet to be tested but it may be possible to fly Skywinders and modified Skywinders on D10 engines made by Apogee Components. To do this with a normal Skywinder your Editor would advise using super glue for all glue joints. Also, the D10 is a fraction of a millimeter wider than an Estes C6 so the inside part of the engine mount may have to be sanded to allow the engine to fit in the rocket without jamming or breaking the mount.
- ❖ Note that while you can fly a Skywinder or modified Skywinder in B Engine Helicopter Duration, it is likely that other models will likely out-perform the model. It is also likely that, since Helicopter Duration is a more difficult event, you will be able to have a qualifying flight and score points for yourself and your club with a Skywinder because fewer people will fly the event. **You'll score just for successfully trying the event!** Kits made by QCR or Apogee Components to use the Apogee B7 or B2 engines should do better because the B7 is the size of an Estes A3 mini engine and the B2 is even more narrow but longer than the mini. Kits designed to be small and light enough to use these engines, should do better than a Skywinder.



Picture of Skywinder Helicopter Duration Rockets  
by Theresa Flynn

MODIFIED SKYWINDER

FULL SIZE  
1/8 INCH FINE  
MAKE 3



**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 NARVHA 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

