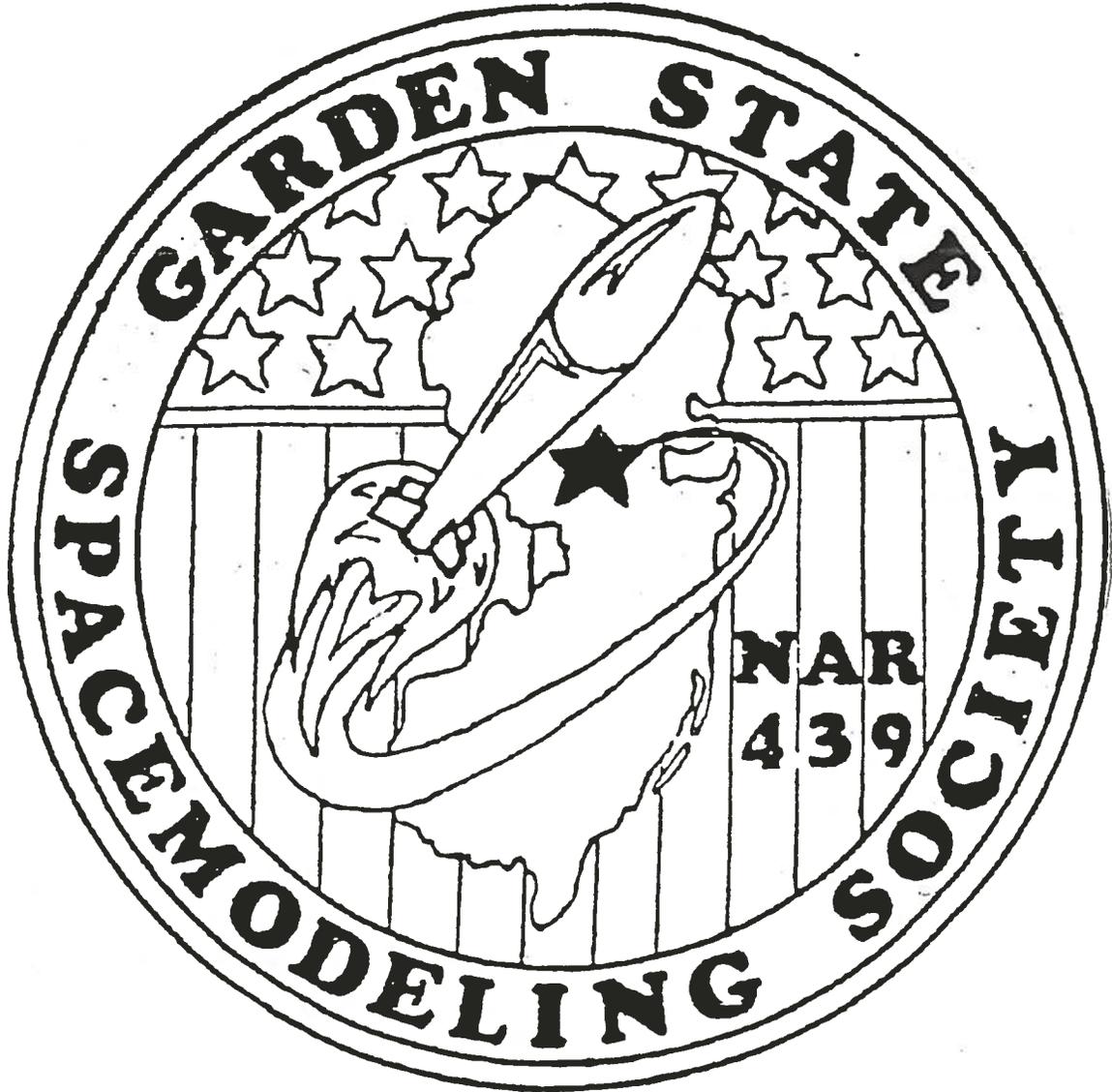
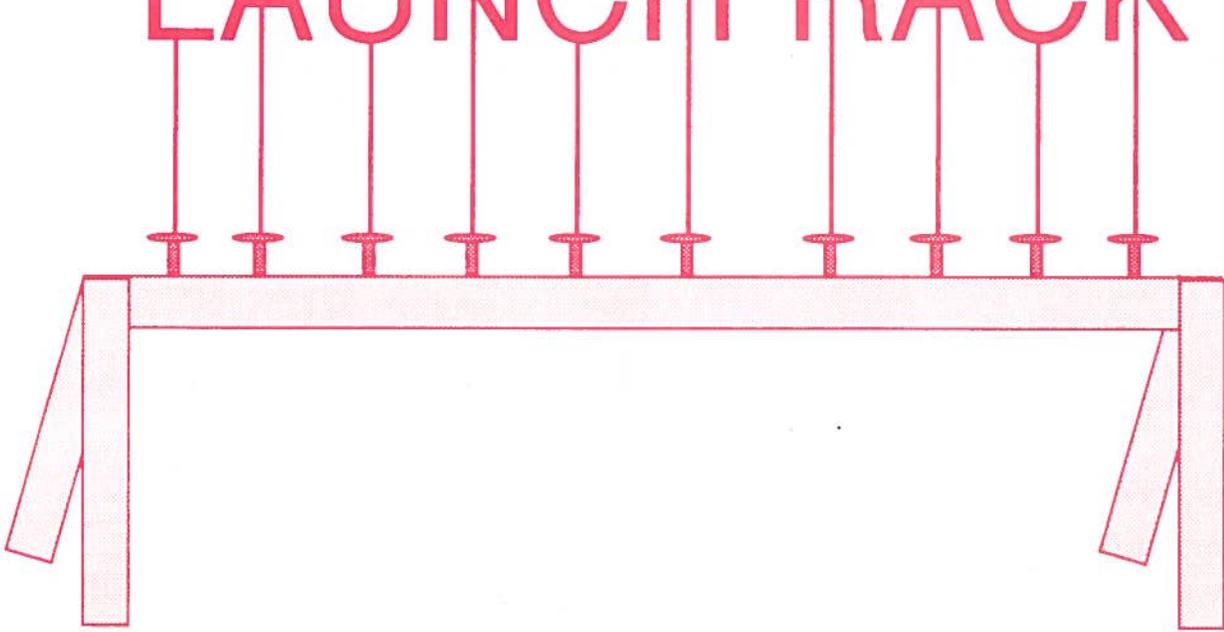


# LAUNCH RACK



# The Launch Rack

The Official Publication of The

Garden State Spacemodeling Society

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May – June 2002

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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 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:

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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

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## 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 your Contest Director can get clearance to launch longer into the afternoon. All launches are on Saturdays and are at least Sport Launches. Some contests have yet to be decided.**

June 22, 2002 Contest: Summer Challenge 2 Open Meet

July 27, 2002

August 31, 2002

September 28, 2002

A Saturday in October Yet To Be Determined.

November 23, 2002

December 21, 2002

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# The Launch Rack

## Other Area Events:

Here is a list of upcoming contests in our area for the Contest Year starting 7/1/01, ending 6/30/02. This was taken from the website of the Northeast Contest Board of the NAR and the NARAM 44 website.

### Sometime in July at Sojars Field

**SoJars may have an Open Meet in July. So far your CD has not seen any posting of the meet from the NAR Contest Board so it may not yet be official.**

**Stated events are:**

**½A Parachute Duration**

**A Boost Glider**

**Set Duration**

**“Stay tuned for more info.”**

**August 4-9, 2002 -- NARAM 44**

McGregor TX

National Association of Rocketry Annual Meet

9 competition events (and one Demo event)

	Weighting Factor
B Altitude:	11
E Eggloft Altitude:	20
1/2A Parachute Duration:	7
C Helicopter Duration:	22
B EggLoft Duration:	17
B Boost Glide Duration:	19
C Rocket Glide Duration:	22
Sport Scale:	20
Research & Development:	36

Pro Sport Scale: DEMO

Contest Director: Scott Hunsicker

For the latest info. updates on NARAM go to <http://www.nar.com>.

## Editorials:

### *Viruses Strike Editors' Computer*

Computer viruses had struck the computer used to put out our newsletter. The virus was, to say the least, a worm that sends itself from computer to computer via the victims' e-mail mailing list. We actually had two viruses. The worm was discovered by one of the virus prevention companies on 4/17 but before we could get the protection, it had quickly made its way through our machine, going after and disabling the virus shield amongst other items. Another virus was also hanging out but its impact did not appear to cause more damage than was already incurred by the worm.

Thanks to the persistent work of Theresa Flynn the viruses have been removed. As a result of the virus, our printer is now off-line and we haven't been able to communicate with it yet. We now have to rely on two other machines – two laptops to edit and print in b&w.

## Prez' Mess...

Steve Flynn's editorial, "Drought", in the latest issue of *The Launch Rack* prompted a letter to him post-haste. I wanted to assure him that nothing "was missing because of the means (my) thank you was delivered." Again, I want to thank Steve and Theresa for their efforts in getting the newsletter out.

Nor was my spring epistle setting a precedent. While editor I would on occasion publish an "extra" with information the membership needed prior to the next issue of the newsletter.

As far as the "drought" is concerned, ask any newsletter editor and they will tell you that 95% of what appears in print was authored by them. Either that, or it was borrowed or stolen from other publications. And, I do agree that what was contained in the PN could have been printed in our newsletter.

By my not calling him to get the deadline I can see that this would lead to his confusion and ask "whether the leadership wanted to communicate directly" with him or not. Actually, there hasn't been much communication between the leadership either.

I, too, am sorry that Steve wasn't around in the early days of GSSS. He would have enjoyed all the activities we did as a club including holding and going to contests (There was/is a certain contest in Maryland that asked us not to attend after two years of winning all the prizes).

Having said that, I feel that in his capacity as Contest Director, Steve fills an important and long too vacant post. And, I offer this advice to keep the number of contests we sponsor low. GSSS, at one time, was sponsoring five contests a year. This soon led to the burn-out of the members that made sure they operated. As a suggestion I would like to see the "Fun-Flys" return and maybe 1 Section and 1 Open contest during the next contest year, July 1, 2002 to June 30, 2003. This would also mean that all GSSS members would have to take part.

Proverbs 12:15 reads, "*The way of a fool is right in his own eyes, but a wise man is he who listens to counsel.*" I think I can safely say that none of the leaders "really want to do things (their) way." We have always repeatedly asked for, and readily accepted, "counsel" of the membership.

The leadership needs to be in a position to receive that counsel. This was done usually at launches, but for the most part at the monthly club meetings that were usually held on the first Friday of the month. We can meet at my house as in the past or use the library again. I would like to see these begin again no later than 2 August.

One of the first orders of business would be to fill one of the vacant vice-president spots. If I am not mistaken one of the names listed is no longer a member of GSSS. The person filling the position is to be appointed by the Board of Trustees as per Section 2: Election of Officers, paragraph 2.6 (If you do not have a copy of the Constitution and By-laws and would like one let me know). He/she would finish the present term which ends in 2003. If you would like to be considered for the position let us know.

I can hear certain members now, "Look out! By-the-book Sarhage is out from under his rock." That's okay, I like you anyway.

I guess I should have asked Steve how long this diarrhea of the typewriter (see quote in paragraph above) should be.

Anyway, we are signed up as Team America Rocketry Challenge mentors. I will also announce a NARTREK program for GSSS members, just as soon as I work out the final details, either in *The Launch Rack*, or another issue of PN.

**Feeding The Need To Know:** It was accepted practice in Babylon 4,000 years ago that for a month after the wedding, the bride's father would supply his son-in-law with all the mead (a honey beer) he could drink. And because their calendar was lunar based, this period was called the "honey month" or what we know today as the "honeymoon."

Keep 'em flying...

Jack

**A Response to the Prez Mess... (Sorry about so many editorials. I'll try to keep this brief.)**

Dear Jack,

I had not wanted to slip into a negative aspect of our club's activities a couple of years ago but I can't help but be "inspired" by your message to explain what is at the base of my attitude for these recent editorials. When you had gone off to handle your busy and hectic life a few years ago you left behind some of us "born again" rocketeers waiting for the contests you had promised and waiting to see results from our prior contests. We competitors built for your contests, went to the launches but found no CD to direct them. Since you also stopped the bulletin, we also had no reward for any competition that we had flown. Given this situation I had no choice but to revert back to the efforts of my youth and go back to the activities that I did in the 1970's as a leader and editor of the Sussex County Aeronautical Rocket Society (yes, that does spell SCARS) and continue my works with your club.

I too have experienced a busy and hectic life and I have delayed my publications at times but I did satisfy my original promise to put out a certain amount of bulletins and I have always satisfied my duties to CD the meets that I have sanctioned. The meet result did get published. The competitors' efforts have been rewarded through the publication.

GSSS always has much promise to perform all the interesting activities of a rocket club and NAR Section and I look forward to being able to be the editor to assemble the bulletin that covers its activities. Rumor has it that the next year's NARAM may be close to us in Ohio and so, I now am going to promise to be the CD and Editor through October of 2003 to direct and reward the effort towards doing the best we can to make a good showing at that NARAM. I'll assess the situation well in advance to let you know whether I'll continue after that time. For now, all I wish to have is an active club who will provide some input to our one bulletin so that there is something to publish.  
Steve

**Funtest 2002 Section Meet Official Results**

At the April launch a bunch of happy "Spot Landers" and "Sport Scale" enthusiasts gathered for a funtest that appeared to blend well with our normal fun flying. Spot Landing saw Arnie Klein dominate the much contested event. Sport Scale was well attended with some models darting from the sky with recovery problems. The Parachute Duration events were sparsely attended with only 1 entry in 1/4A PD (causing the event to be dropped) and Daniel Flynn vying with Hyperspace for 1/4A PD. As usual, those who entered the more intricate events won the contest. James Menoutis won Sport Scale and the meet.

**NAR Section Meet Results**

Overall Place	Entry	Streamer	Spot Landing	NAR		Events		1/4A Parachute Duration	NAR		Total Points
				Pts.	Pts.	Sport Scale	Pts.		Pts.	Pts.	
1st	James Menoutis			-	24	935 pts.	1st	200	-	-	200
2nd	Hyperspace Team	39.853 m.	2nd	24	760 pts.	DQ		26 sec.	1st	70	94
3rd	Daniel Flynn	44.983 m.	3rd	16	645 pts.	DQ		14 sec.	2nd	42	58
4th	Rob Nee	17.602 m.	1st	40	-	-				-	40

(Not enough entries were available for 1/2A Parachute Duration)

NAR Points earned for GSSS: 392

**Funtest Results (Combined Entries - NAR and non-NAR)**

Place	Entry	Streamer	Spot Landing	NAR		Events		1/4A Parachute Duration	NAR		Total Points
				Pts.	Pts.	Sport Scale	Pts.		Pts.	Pts.	
1st	James Menoutis			-	8	935 pts.	1st	200	-	-	200
2nd	Stephen Pelegrino	27.432	4th	4	690 pts.	2nd	120				120
3rd	Hyperspace Team	39.853	FP	4	760 pts.	DQ		26 sec.	1st	70	74
4th	Daniel Flynn	44.983	FP	4	645 pts.	DQ		14 sec.	2nd	42	46
5th	Arnold Klein	16.332	1st	40	-	-				-	40
6th	Rob Nee	17.602	2nd	24	-	-				-	24
7th	Michael Teichman	27.318	3rd	16	-	-				-	16
8th	Fred Taverni	50+ m.	FP	4	-	-				-	4

**Open Skies 2001 Results - Partial Reprint**

Due to some confusion about printing in the last issue, the following has been partially reprinted along with the missing standings. Note that only one Sojars member entered solely as a Funtest entry. Matt Puyor entered a B Helicopter Duration model which put him second in Funtest's B HD, moving Alex Bruccoleri to third in the non-NAR Funtest. All other flight results were the same for both the Funtest and the NAR Open meet. Places determined by NAR points.

Overall Place	Contestant	Str. Meters	Spot	1/2A B/G	A Str. Sec. Place	B Str. Sec. Place	A Streamer Duration (sec.)		B Streamer Duration (sec.)		B Helicopter Duration (sec.)		
							Total	Place	Total	Place	Total	Place	
<b>A Division</b>													
	Billy Commander	DQ											
	Daniel Flynn	DQ	23				23			DQ			
	David Whitman	28.499											
	Funtest-only Entry												
	Matt Puyor	--											
<b>B Division</b>													
	Alex Bruccoleri	47.9		7	NR	7	DQ	132	132	203	14	237	
	Peter Commander Jr.	13.995								2			
<b>C + Team Division</b>													
	Barry Berman	DQ					21	DQ	21	DQ	34	34	
	Peter Commander Sr.	DQ											
	Theresa Flynn	34.036											
	Joe Libby	30.34					35	35	70	46	77	124	
	Tom Mitchell	50+											
	Ed Romani	--					DQ	34	34	DQ	47	47	
	Art Treiman	17.374		22	17								
	Hyperspace Team	25.298					42						
Some Events were flown in combined divisions: CT = C division + T division, AB = A division + B division, All = All divisions combined													
<b>A Division</b>													
	1st G Daniel Flynn						23	1st AB			DQ AB	340	
	2nd G David Whitman	28.499	1st A									80	
	S Billy Commander		DQ A									0	
<b>B Division</b>													
	1st G Alex Bruccoleri	47.9	2nd B		7	2nd AB	132	1st All	237	1st AB	12	2nd All	844
	2nd S Peter Commander Jr.	13.995	1st B										80
<b>C + Team Division</b>													
	1st S Ed Romani				34	2nd CT		DQ All	47	2nd CT	31	1st All	732
	2nd S Art Treiman	17.374	1st CT		39	1st CT		DQ All	47	2nd CT		DQ All	528
	3rd S Joe Libby	30.34	3rd CT				70	2nd All	124	1st CT		DQ All	244
	4th G Hyperspace Team	25.298	2nd CT				42	3rd All		DQ CT		DQ All	112
	5th S Barry Berman		DQ CT				21	FP All	34	3rd CT			88
	6th S Tom Mitchell	50+	FP CT				27	4th All					40
	7th G Theresa Flynn	34.036	4th CT										16
	S Peter Commander		DQ CT										0

Section Standings- The letter before the name stands for the club affiliation. Total Points: Sojars: 1st 1472 GSSS: 2nd 1392

"Reaching for the Stars..." was the theme of Hillcrest School's 19th Annual Science & Technology Fair held on June 1 at its Somerset campus.

Their chairman, Doug Levy, had contacted GSSS back in February with an invitation to participate. In addition to flight demonstrations we were asked to launch the students' rockets built as part of their science project.

Bob Zabriskie, and yours truly, arrived early to set up the range. After which we arranged our display on the 30-feet of tables provided under the big tent. While setting up Bob and I tried to determine the last time we were at Hillcrest School-which may have been some 10-years ago.

We were joined by David Whitman, Dad Neil, and Mom Anne. Also there were Jim and Jonathan Menoutis with Mom Angela, and David Suter. These folks "manned" the booth, answering questions, handing out club information while Bob and I facilitated the launch.

Imagine the winds of North Branch park around 11AM. Then have those winds joined by many of their kin and you'll know the challenge we had of keeping the rockets in the area. It became more so after learning that the engines being used in the Wizards and Alphas were B6-4. Twenty rockets had been built. We launched only the rockets of the students attending numbering 15...with one leaving the school yard and another landing on the school roof we felt we had succeeded.

From past experience with student built rockets our safety check concentrated on being sure the nose cone was not glued on and the engines were not in backwards. Askew fins were not considered a problem judging that the corkscrew flights would aide us in keeping within the school's boundaries. Amazingly there were no misfires due to improperly inserted ignitors, only a temperamental battery connection.

Other than a couple sport flights by Neil and David no other flights were attempted due to the high wind.

GSSS wasn't doing the only flying. The West Windsor Flying Club was there with many RC aircraft. My favorites being a couple of electric powered flying wings. Other activities included, building birdfeeders, egg drop, panning for gems, star gazing, and of course refreshments.

The GSSS members in attendance agreed that it was worth our time. And it is appreciated their giving up part of Saturday to "promote the hobby/sport of model rocketry" and of course the club. Again, thank you to David W., Neil, David S., Jim, Jonathan, Bob Z. and a special, special thank you to moms Angela and Anne.

Oh! By-the-by, later we opened an envelope and were surprised to find that Hillcrest School had donated \$100.00 to the club's treasury.

*Report by Jack Sarhage*

**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 its 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