

LAUNCH RACK



ISSUE 134(67)
January/February 2000

The Launch Rack

The Official Publication of The
Garden State Spacemodeling Society

JAN/FEB 2000

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

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875 River Road
Piscataway, NJ 08854-5549
732 463-1484

Visit our WEB site at: <http://www.agron.com/~rnee/gsss/>

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YOUR CLUB OFFICERS

President:Jack Sarhage
Vice-president:Bob Gill
Vice-president:Steve Pantuck
Treasurer/Sec:Arnold Klein
Section Advisor:Bob Zabriskie

DEADLINE FOR NEXT ISSUE: FEB. 15

ON OUR COVER:

This issue's cover is resurrected from the cover of Issue 32 (January 1987) announcing the First "Challenger 7 Memorial Launch. We hope that you will bring your shuttle out to the January 29th Sport Launch at North Branch Park.

I need articles, plans, kit reviews, building tips, cartoons, and/or drawings.

LAUNCH SCHEDULE

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 9:00am.

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 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 of privately owned, large, open fields.

UNLESS NOTED ALL LAUNCHES WILL BE HELD AT NORTH BRANCH PARK.

Saturday: January 29, 2000**

Sport launch 10:00am to 3:00pm
Event: 13th Annual Space Shuttle Memorial Launch

Saturday, February 26, 2000**

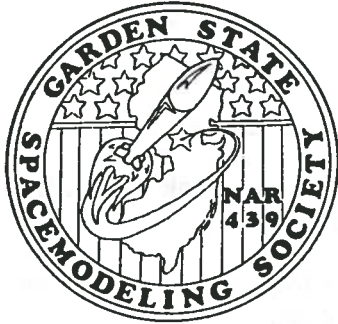
Sport launch 10:00am to 3:00pm
Event: GSSS Birthday Launch 18 years old

Saturday, March 25, 2000

Sport launch 10:00am to 3:00pm
Event: Spring Picnic
Bring something to share. Club will provide beverages.

IN THIS ISSUE:

Announcement of the "GSSS Achievement Program", recap of 1999, Plan from the Past, "The Jarvis Still"



News From Section 439

hobby will disappear.

So then, there are three areas we need to keep in mind that each of you need to become a part of; Operations: This is the construction and launching of model rockets; Participation: This is where you grow in model rocketry; Service: This is where you help the club and others grow in model rocketry.

At this time I want to tell you about the "Achievement in Model Rocketry Program" for GSSS members. The program is the same whether you are a new or old hand at model rocketry.

It's easy. Just keep track of your points (100 points between January 1 and December 15, 2000) earned by taking part and achieving goals in each of the three categories. Then in the November issue of the newsletter complete a form and send it in by December 15, 2000 for a special certificate and patch. Oh, by the way, the program is voluntary, there is no cost to you and you are on your honor when completing the form.

The program is to help YOU grow in your chosen hobby, and hopefully motivate your desire to share it with others.

OPERATIONS

Build a model rocket from a kit. 5 points.
Maximum 25.
Build a model rocket from scratch. 10 points.
Maximum 40.

PARTICIPATION

Each year of GSSS membership. 2 points.
Maximum 20.
Recruit a new GSSS member. 50 points.
Maximum 100.
Participate in Section/Local Meet. 10 points.
Maximum 50.
Participate in Regional Meet. 20 points.
Maximum 40.
Participate in National (NARAM) Meet. 50 points.
Maximum 50 points.
Attend Sport Launch. 5 points. Maximum 25.
Cast ballot in club elections. 5 points.
Maximum 5.

SERVICE

Speak to students, seniors, or other group. 10 points. Maximum 30.

HAPPY NEW YEAR!!

First this comes with wishes to each of you for a healthy and happy year 2000.

A RECAP OF 1999.....

There was only one Sport Launch that was canceled because of weather... that's 11 out of 12 were held as scheduled.

We attempted to "wet" the interest of our members in competition through the Fun Test and sanctioned contests. This was for the most part successful.

The newsletter was issued six (6) times as promised with a total of 46 pages of "enlightenment and entertainment" we trust. Once again, I wish to thank Bob Zabriskie, Steve Pantuck, Manuel Mejia, Jr. for their support through articles, photos and plans.

There were several goals that were not reached such as monthly club meetings. Also, in the area of club participation in contests and service to other organizations we fell way short.

NOW ON TO 2000.....

With the year 2000 being the transition period between one millennium and the next I hope that it will also be a transition time for GSSS as well.

It has always been the aim of GSSS to challenge our members to want to achieve more than "swish and pop" model rocketry. After all, anyone can stick an engine in a rocket, set it on the pad, and launch it.

It has always been the aim of GSSS to share this hobby with those that know little or nothing about it. After all, unless WE pass on our knowledge and enthusiasm to others through participation and service this club and

Continued on the next page

GSSS - 18 Years of Model Rocketry

News From Section 439 continued.....

Participate in an exhibit. 15 points. Maximum 30.

Served as GSSS officer, committee chair. 25 points. Maximum 25.

Taught a model rocketry class. 15 points. Maximum 45.

Submitted an article, photo, and/or plans for the newsletter. 20 points. Maximum 40.

There it is. I think that it is an easy program to take part in and I hope you think so, too.

NEW GSSS OFFICERS.....

On page two you will see the names of the club officers for 2000-2001. Please welcome them and help them carry out their duties.

OLDIES AND GOODIES.....

Starting with this issue we are going to reprint some of the plans of rockets designed by GSSS members. Many of these folks are still with us. And, speaking of "still" you will find plans of the **Jarvis Still B.P.**.....I can't remember what the B.P. stands for. Do you remember Manuel?

Of course the rocket was designed by Manuel Mejia, Jr. now of Florida and founder of THOR in the Tampa area.

We are also going to reprint some of the articles, poems, cartoons, and songs...yes, songs written by members and other supporters of GSSS through the years.

As a sample.....

A ROCKET TIP by Arnie Klein

Many times while working in the field I have cut myself with the various tools I use for preping rockets. As a result I have found it useful to keep a small first aid kit in my field box. The kit is in a metal "band-aid" box and contains the following:

- 3 3 X 2¼-inch Telfa pads
- 5 Alcohol preps (for cleaning wounds)
- 20 "Band-aids"
- 5 Butterfly closures (acts as stitches for large wounds)
- 12 Tylenol Tablets in metal box
- 1 safety pin (for splinters)

- 1 Razor blade
- 1 tube of Triple antibiotic

First appeared in Issue 71 for May 1991

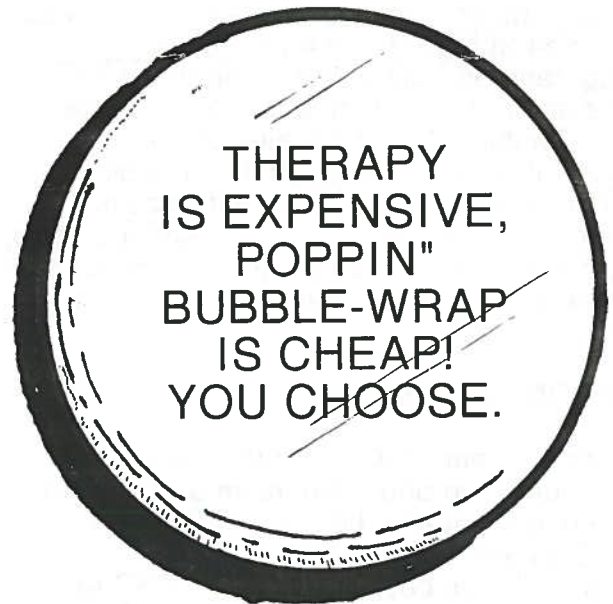
AND FROM OUR "so you think you're having a bad day" DEPARTMENT.....

Next time you are feeling sorry for yourself consider this "true story".

The average cost of rehabilitating a seal after the Exxon Valdez oil spill in Alaska was \$80,000. At a special ceremony, two of the most expensively saved animals were released back into the wild amid cheers and applause from onlookers. A minute later they were both eaten by a killer whale.

FROM THE "sayings that should be on buttons" FILE.....

We leave you with this



NOTES

- 1) Fill excess space between engine tubes with yellow glue soaked tissue paper.
- 2) The BT-50 to BT-60 Centering Rings and the paper shroud can be found in Estes 'Multi-purpose Set' (#85013). Follow instructions provided.
- 3) Look at the Nova Payloader (estes 1960) or the Hercules (Estes 1377) for clear Payload Sections. Use body tubes, nose blocks, lugs and engines tubes from these also.
- 4) BT-50 should be flush with the bottom of the Centering Ring.



BNC-50J

BT-50 Clear Payload Section

NB-50 Nose Block

BT-50 Clear Payload Section

NB-50 Nose Block

Screw eye for 12-inch parachute

BT-50 13-inches

CR-5060

CR-5060

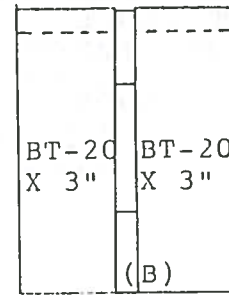
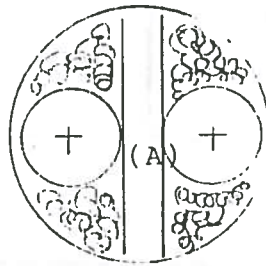
BT-60 (5-inches)

THE JARVIS STILL B.P.

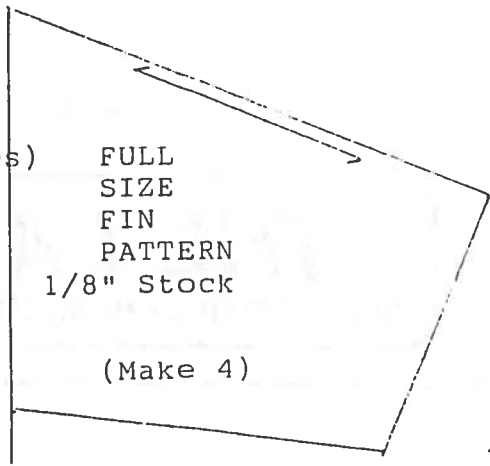


Designed by:
MANUEL MEJIA, JR.
Redrawn by:
Jack Sarhage
(Not to any scale)

A hot sport cluster Rocket for those who like it smooth and want to get high. Flights that is.



(A) Crosspiece 15/8" L, 1" W, 1/8" Thic
(B) Top piece 1 1/2" L, 1" W, 1/8" Thi



**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, GSSS Secretary / Treasurer
 2 Oneida ave Rockaway N.J. 07866

**GARDEN STATE SPACEMODELING
SOCIETY -- NAR SECTION #439**
 R. Zabriskie
 RD #2 Box 227
 Peach Tree Rd.
 Basking Ridge, NJ 07920

TO:

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

THE LAUNCH RACK
 NEWSLETTER OF NEW JERSEY'S SPACEMODELING SOCIETY

