



The Launch Rack

The Journal of the Garden State Spacemodeling Society
National Association of Rocketry Section No. 439

Summer Issue 2011

“The achievements of an organization are the results of the combined effort of each individual.”

----Vince Lombardi

Coach Lombardi’s coaching career began at St. Cecilia High School in Englewood, NJ and lead that football team to become number one in the nation.

What does that have to do with model rockets and a club? Just this, a head coach with a record of 96 wins, 34 losses, 6 ties that include 5 NFL West Championships, 3 NFL Championships and 2 Super Bowls...well his words quoted above seem to apply to a model rocket club as well as a football team.

No one team (read club) member can carrier the organization alone for long. True, teams do rely on one or two people to carry the ball. But, unless the rest of the team does their job he cannot carry it for long or very far.

One “team member” that comes to mind is **Arnie Klein**. For years Arnie has lugged the “team” equipment back and forth, set it up and has taken it down, with very little help I might add. Another member is **Steve Pantuck**. Along with Arnie they are usually the first to arrive and last to leave.

Helping these two members is just one way individuals can help with the “achievements” of our “organization” ...GSSS.

Another way is to get involved with the administration of the club, taking part in planned events, and responding to a survey for instance.

In the Spring issue of *The Launch Rack* a membership survey appeared. This was sent to all members in “good standing” and to those whose memberships had expired within a six month period. This was to give everyone a chance to be sure their membership was up to date as we have gone to a calendar year system. You were also asked if you wanted to receive this newsletter via the USPS or electronically. A third item on the survey was whether you would like to have monthly meetings or not.

Out of the 25 or so mailed out only **FOUR** members responded to that survey. Of the four, three want their newsletter to be mailed to them by USPS.

So, thank you to **John Falcone, John Falcone III, Steve Pantuck** and **Glenn Roth** for their efforts in the “achievements of an (GSSS) organization.”

I invite those who did not send in the survey to take a minute now, find that issue of the newsletter, complete it and send it to me: Jack Sarhage, 24 Canterbury Court, Piscataway, NJ 08854. I thank you and so will GSSS.



Glenn Roth sent this photo of his MMX rocket. He said; “I completed it on 5/1. The day Osama Bin Laden was killed. Each fin has an American Flag, complements of Art Applewhite, designer”.

DEADLINE
For material to appear in Fall issue
SEPTEMBER 1, 2011

The Launch Rack Summer Issue 2011

The Launch Rack is the official publication of the Garden State Spacemodeling Society and is published for the enlightenment and entertainment of the membership. It is published quarterly.

You are invited to send your articles, photos, letters to the editor, etc. for publication. This publication is by and for the membership.

Articles appearing in the newsletter may be used by other publications provided proper credit is given to the author and this newsletter.

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Welcome Our New Members

Since the last issue please WELCOME these new members to GSSS: **Marlon Catalano, Thomas Logan, James Zindle, and Mickey Spain**

Armed Services Day Event

Due to my lack of coordination (I sprained my foot) the Armed Services Day Event was not held as scheduled on May 21.

It is now scheduled for during the Sport Launch on August 20, 2011. The event is for any model of a rocket or missile used by any of the Armed Services of the United States. The rules are similar to the NAR's Sport Scale Competition.

So if you did not build a model before you now have time to do so or complete the one that never got finished.

Scoring will be as published in the last issue.

Launch Dates

Sport Launch dates for the rest of 2011 at North Branch Park are, July 23, August 20, September 24, October 22, November 26 and December 17. Please attend as many as you can.

2011 Election of Club Officers

According to the club's by-laws we elect club officers in odd numbered years. Positions are President, Vice-president (2) and Secretary/Treasurer serving a term of two years. Nominations are to be made not later than October 31. Consider running for one of these offices or nominate someone. If you are interested in learning more of the duties of each position, information can be requested from GHQ.

A nomination form will be included in the Fall Issue of the newsletter.

Sport Launch Reports

I am sorry to say that I do not have any reports on the April, May or June sport Launches. I would appreciate if someone attending the launches present a short summary of the happenings. And photos of both the rockets and folks attending would be most welcome.

Just another way of an individual doing their part for the "team and getting your name in print.



A Phoenix missile taking off from the launch pad at a past sport launch. Sorry do not have any info on it.

GSSS Launch Regulations

It has been awhile since we last published the launch regulations. It is important that we follow these as our insurance depends upon it.

1. All models/launches to be in compliance with the NAR Model Rocket Safety Code.

2. All models ready to launch must be presented to the RSO for a safety check.
3. When using the ALLEY SYSTEM, permission to launch must be given by the LCO. A **loud** 5 second countdown must be used before launch.
4. An attempt **MUST** be made to insure that all models are recovered within the boundaries of the park. Using engine/recovery systems compatible with wind conditions etc. (This does not apply at contests).
5. High power (Over 30 Newton-seconds) flights, when allowed by the RSO/LCO will be ignited from a minimum distance of 30 feet. (Recovery as in rule #4).
6. Models using more than 30 Newton-seconds of power must use at least a 3/16" or 1/4" launch rod. If smaller, model may not be allowed to fly. (RSO/LCO to decide)
7. MOD-ROC flights will be allowed at the discretion of the RSO. (Recovery as in rule #4).
8. Entry and exit from the launch area will be from one end only, at the RSO/LCO table.
9. Static testing of engines will not be allowed.
10. Long thrusting engines should only be used in very calm wind conditions (No more than 4.5 seconds of thrust time can be flown. Recovery as in rule #4)
11. All prepping of models will be done outside of launch area.
12. **Alcohol is not allowed** at any GSSS model rocket launch.



NARAM-53 is being hosted by QUARK the QUEEN-city Area Rocket Klub on July 23-29, 2011. QUARK is section #624 of the National Association of Rocketry operating in the greater Cincinnati, OH area.

For our club members that do not belong to the NAR or new to the hobby/sport, NARAM is the National Association of Rocketry's Annual Meet. It is the BIG contest of the year where members from all over the United State gather to compete in ten model rocket events. It is also where the team representing the United State will be selected for the world championship held August 31 to September 9, 2012 in Liptovsky Mikulas, Slovakia..

Our own **Dr. Bob Kreutz** is part of the selection committee (the AMA shows him as the chairman of this committee) and will attend the first weekend (July 22-24). It is suggested that any GSSS/NAR member planning to attend NARAM contact him to coordinate traveling together. If you are interested in going as a unit his e-mail address is orbitboybob@comcast.net. Put NARAM-53 in the subject line.

If you would like to help the United States Team ask Dr. Bob how you can make a donation.

Summer Destinations

With summer just beginning many members will be heading for various destinations for their family vacations. Then there are those like Ye Ole Editor that have already taken the BIG trip of the year (in his case to the Philippines) and will be looking at nearby places to visit.

New Jersey have aviation history going back 200 years and it was thought that maybe a visit to one or more of our museums in the Garden State would be of interest. We have compiled a list for you to check out on the internet.

Aviation Hall of Fame and Museum of New Jersey
Teterboro Airport,
Teterboro, NJ
www.njahof.org

Air Victor Museum
68 Stacey Haines Road
Lumberton, NJ
www.airvictorymuseum.org

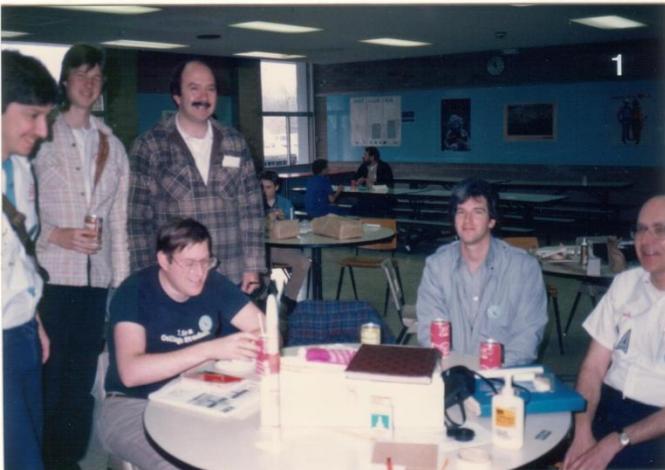
Millville Army Airfield Museum
Millville Airport
1 Leddon Road
Millville, NJ
www.p47millville.org

Naval Air Station Wildwood Aviation Museum
500 Forrestal Road
Cape May Airport, NJ
<http://usnasw.org>
Note: Has replica of a V2 Rocket

The Launch Rack 25 Years Ago

It is thought that taking a look at where the club has been it would give some incentive to attempt some of those events in the future.

In the May/June 1986 issue (Number 26) there was the report on the 15th annual Pearl River/NAR Model Rocketry Space Seminar held in Pearl River, NY. There were 8 GSSS members attending.



How many can you identify?

They appear to be eating (something they are always good at) and building the commemorative rocket designed by **Col. Howard Kuhn** each year.

Clinics were held on high-powered rockets, taking pictures with a rocket by the late Mr. Cineroc himself, **Herb Desind**. NASA Public Affairs Officer **James Kukowski** and STS-51J (first flight of *Atlantis*) pilot **Col. Ronald Grabe** were the guest speakers.

Also there was a report on the turn out at the 'Y' Indian Guides launch. GSSS was asked to provide the launch equipment and assistance with the kids launching their Estes *Zinger* rockets.

A request for members to help with the model rocket demo at the Picatinny Arsenal Open House in May of that year.

In Issue No. 27 July/August 2986 issue was the report on our putting on the demo launch Picatinny Arsenal.

The results of GSSS-3 a section meet held.

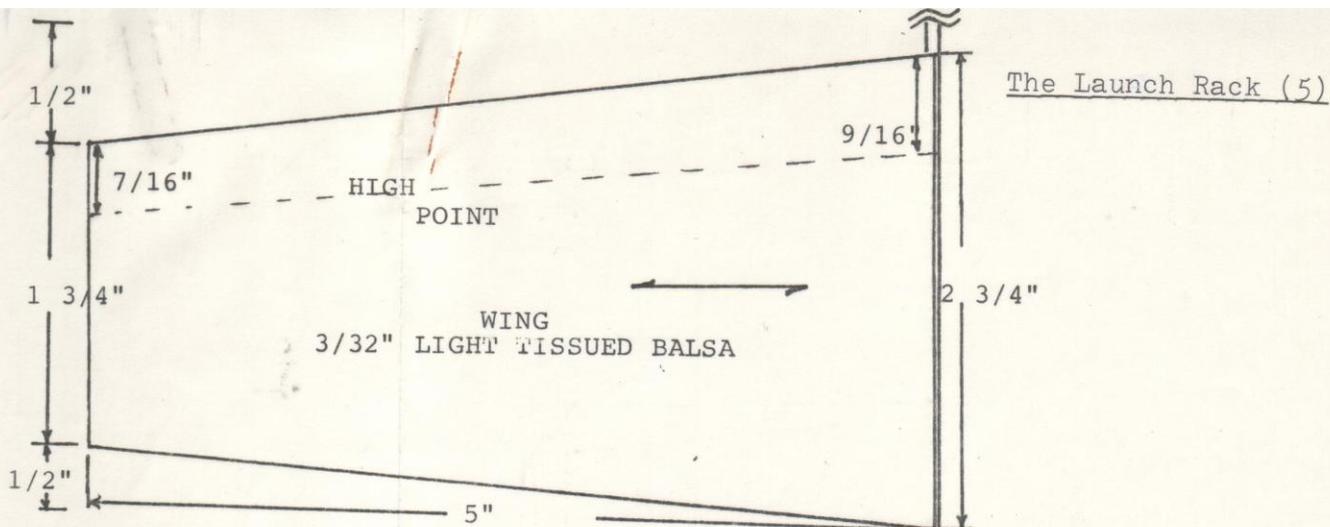
Several members drove to Amsterdam, NY to compete in ASTRO-1 an Open Meet sponsored by ASTRE.

Bob Zabriskie recorded his 300th model rocket flight while at the Pearl River Seminar.

There was also a Kit Review of Competition Model Rocket's *Tachyon* kit.



Bob Zabriskie with his 184cm Super-roc he flew at ASTRP-2 in New York. Jack Sarhage, photo.

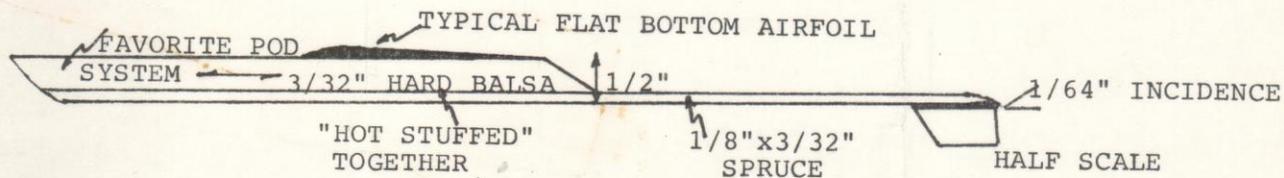
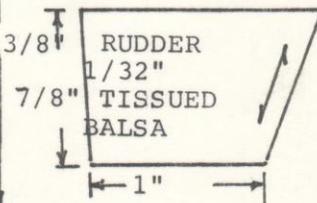
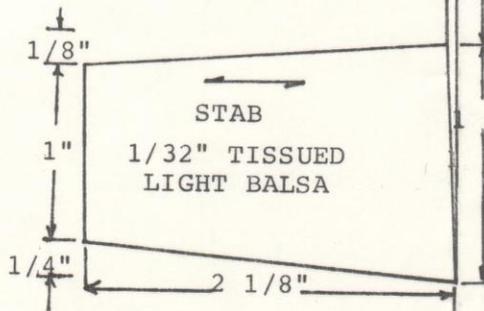
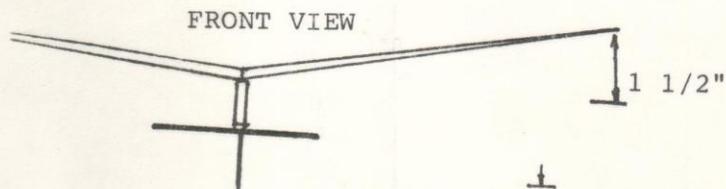


Penn Floata

FULL SCALE

BY: KEN MIZOI
NAR #30017

FLY WITH 1/2A3-2T
A3-2T



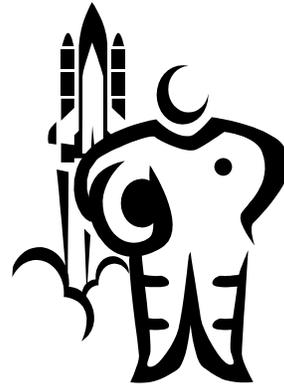
B/G Penn Floata

The plan on the previous page was found in among several that had been given to me to use in the newsletter. This one is of a boost-glider called the *Penn Floata* and designed by **Ken Mizoi**. Date unknown. The plan is almost full size but it shows what dimensions to use for the various parts. Also the plan does not include the boost pod. There have been many published over the years but the Flanagan Pod is a good way to go.

If you are not interested in scratch building one you can find several plans for **boost**-gliders at Ye Olde Rocket Plans and you will find several. Also you can download plans of other rockets.

Reminder

Don't let this be the last issue of the newsletter that you receive. If you have not done so, please complete the survey in the last issue and send it in so we know how you would like to have it sent. If not, you will have to download it from the club's website. Thank you.



A Short Test of Space Trivia

We thought we would wind up this issue with a test of your knowledge of space happenings.

No prizes. Just for fun.

1. On which Island is Kennedy Space Center?
2. What did Neil Armstrong say immediately before "the eagle has landed"?
3. What was the name of the first probe to send back pictures from Mars?
4. Which three astronauts died during a launch pad rehearsal?
5. Who was the first woman to captain a space shuttle crew?

Answers:

1. Merritt Island
2. "tranquility base here."
3. Viking
4. Gus Grissom, Ed White, and Roger Chaffee
5. Eileen Collins

Garden State Spacemodeling Society

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