

# MASA Planet

Summer 2001

Volume 4, Issue 3

## We want you! (to sign up for the fourth annual MASA picnic)

All MASA members, their families, their guests, and prospective members are welcome!

If possible, please RSVP to Art Gibbens by July 19

The fourth annual MASA summer picnic will be held at Veterans Park in the city of New Brighton. Veterans Park offers such amenities as: gazebo and picnic area, BBQ, softball field, playground, restrooms, horseshoe pits (provide your own shoes) and ducks and geese (free of charge unless you feed them your dinner) MASA has reserved the picnic area of the park from 3 until 9 pm on Saturday, July 21. The picnic will start around 5, but you're certainly welcome to arrive early. There will be eating, rocket talk (plenty of that), fun and games, and drawings for prizes!

### Volunteers needed!

**Fabulous Grill-Meister (FGM):** One or more people to fire up the BBQ. Will need to bring charcoal, lighter fluid, matches, spatulas, and other grilling accessories as desired. **THE MOST IMPORTANT JOB OF THE EVENING!**

**Condiment Provider (CP):** One or more people to bring along catsup (ketchup?), mustard, and whatever other condiments you deem appropriate for burgers, hot dogs, and such things.

**Beverage Supply Officer (BSO):** One or more people to bring jugs of lemonade (or similar cold beverage to share with everybody). Talking rockets makes you thirsty!

**Watermelon Carving Wizard (WCW):** One or more people to bring a tasty picnic-type watermelon as well as suitable knife to carve it up.

**Fun Activities Augmentator (FAA):** One or more people to bring frisbees, balls, and other fun picnic-y type things.

**Anything else** that you'd specifically like to volunteer to do?

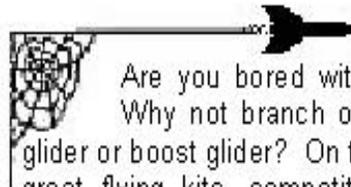


## National Assn. of Modified Stomp Rocket™ Fliers Photo Contest

For all owners of modified black powder Stomp Rockets™, join the EMRR "NAMSROF" club (National Assn. of Modified Stomp Rocket Flyers). Due to the extreme proliferation of modified black powder Stomp Rockets™ among almost every rocketeer in the world, EMRR has been tasked by the National Bureau of Standards in Boulder, Colorado (not really) to establish standards for configuration control of this ubiquitous rocket.

Submit a brief description of modifications, incremental changes, and photo of your modified Stomp Rockets™ to EMRR, and you will receive notification of your personal serial number and membership in the EMRR NAMSROF club. You will also receive official notification of the configuration designation (Mark X, Mod X) of your modified Stomp Rockets™.

(See page three for the rest of the story)

 **Stuck on the Web** by Alan Estenson

Are you bored with parachute and streamer recovery? Why not branch out and have some fun with a rocket glider or boost glider? On the web, you can find easy to build but great flying kits, competition-level kits, as well as plans and technical reports. Take a look at:

<http://members.aol.com/RobEdmonds/Edmonds.html>  
<http://www.cybertravelog.com/qcr/gliders.html>  
<http://www.nar.org/NARTS/cat.html>

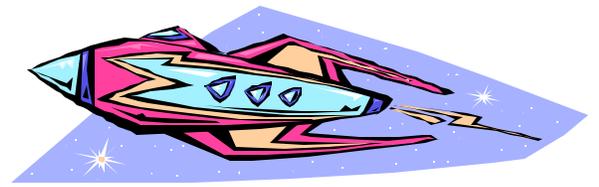
# What the Prez Says

Alan Estenson, MASA President

As we reach the middle of this millennial year, I'd like to welcome all the new members that have joined MASA as well as extend a big "Hello again!" to everyone who renewed. As I write this, we're less than a week past the June launch, and I think that a lot of people finally were able to satisfy some of that pent-up demand to fly rockets. The weather just hasn't been very cooperative this year; half of our launches so far have been cancelled. Let's hope that the June launch started a new streak of nice weather (that just happens to coincide with our launch dates, please.) Be sure to check the list of events for the launch themes and contests for the coming months. The July launch will be the 3rd Annual MASA Scale Event. Everyone is encouraged to bring and fly their scale models of real rockets, missiles, spacecraft, etc. If it's anything like past years, you'll see Saturns, Titans, Redstones, V2's, Sidewinders, AMRAAMs, as well as things that you've previously only glimpsed in "Rockets of the World". Also in July, I will once again attempt to hold the much-postponed 1/2A streamer duration contest. All MASA members are encouraged to enter the contest. It's fun, a learning experience, and you don't need a fancy, hi-tech rocket in order to compete.

I know that it's tough to make the trip in to St. Paul on a summer evening to attend the monthly meetings. However, I would encourage you to come at least once-in-a-while. A lot of useful information, tips, tricks, and rocket talk takes place at the meetings. Oh yes, and a little club business. I am looking for meeting topics for our August through November meetings. If you would like to volunteer to do something, or if you would just like to pass along an idea, please drop me an email.

As is tradition, we don't have a club meeting in July. Instead, I'm looking forward to seeing you at the club picnic on July 21! There will be food, rocket talk, the annual rocket swap - n- sell, and lots and lots of free door prizes. You can find more information about the picnic and other upcoming activities elsewhere in this issue or on the MASA web site.



## Upcoming Launch

Launch - Saturday, July 28

Location: Blaine

Time: 10 am - ? pm

Theme: 3rd Annual MASA Scale Event

Fun Events: Saturn drag race  
(rockets, not cars)

Contests: 1/2A streamer duration

Contest Director: Alan Estenson

Notes from Alan about the contest: This will not be a sanctioned NAR competition, but I'll be running it as if it were. If you've never looked at the US Model Rocket Sporting code (NAR "pink book"), now might be a good time. You can download it in PDF from <http://www.nar.org/cabinet/>

FREE MOTORS! Hub Hobby Center will donate FREE Estes 1/2A3-4t motors to those competitors who wish to use them for their contest flights! (Max of two free motors per competitor.)

The MASA PLANET is the official newsletter of the Minnesota Amateur Spacemodeler Association, Section number 576 of the NAR, The National Association of Rocketry. It is published quarterly as a service to its members. Submissions may be made to the editor at: [agibbens@usfamily.net](mailto:agibbens@usfamily.net). The preferred formats for electronic articles and illustrations are .doc, .txt, .rtf and .jpg.

Our official Web site is found at:  
<http://www.mn-rocketry.net/masa/>

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Alan Estenson

Vice-President

Steve Robb

Secretary/Treasurer

Dave Fergus

Editor

Art Gibbens

## Stomp Rocket Continued:

A Mark number is a major revision that significantly changes form, fit or function of the rocket. See below for 8 examples. A Mod number is a smaller change that only improves the capability of currently designed features. This would be the incremental changes you made to achieve the final capable design.

Statistics will be maintained and periodically published with up-to-date inventories of this important national rocket program. Members may have more than one rocket registered with NAMSROF. Prize(s) will be awarded and are yet to be determined.

The basic configurations of this missile are as follows, however, NAMSROF does not want to limit innovation and will thereby review any and all submitted configurations. New configurations will be given a unique Mark number:

Mark 1: basic off-the-shelf compressed air powered Stomp Rockets™

Mark 2: basic 18mm black powder propulsion with boink recovery

Mark 3: 18mm black powder propulsion with streamer/parachute recovery maintaining original outer foam shell

Mark 4: 18mm staged black powder propulsion with streamer/parachute recovery maintaining original outer foam shell

Mark 5: 24mm black powder propulsion with boink recovery

Mark 6: clustered 18mm-to-18mm black powder propulsion with boink recovery

Mark 7: boost-glide configuration with 18mm black powder propulsion hoister and boink-type glider

See [http://www.rocketreviews.com/photo\\_contest\\_5.shtml](http://www.rocketreviews.com/photo_contest_5.shtml) for more information and rules.

## Kit Trivia Quiz:

- 1) What is the yellow tube in an Estes kit used for?
- 2) What is the yellow tube in a Quest kit used for?
- 3) Name a kit that includes an unmarked, empty 19mm Black Powder motor casing.
- 4) How many separate parts are used to construct a flyable Estes Generic E2X (not including the motor)?
- 5) Name four Estes-produced kits that included boost gliders made mostly of Styrofoam.

Send answers to Ted at [cochran\\_ted@htc.honeywell.com](mailto:cochran_ted@htc.honeywell.com); winner announced in the next edition!

# Word Search

**How good are you at word searches when the words are actually 90 rocket names from the 1984 Estes catalog? The complete list is on the next page, if you are having trouble finding them all. As always, words may be forward, backward, up, down, diagonal and may overlap. Good luck! - Editor Art**

FRIPREPIPDNASRAGUOCSAELFREPUSS  
ARNCETQBWNHOJTSENOHAKAERTSIXAM  
LUTZELSSIMESIURCMELMANTABOMBER  
CBEDNKSAIBMULOCELTTUHSECAPSVES  
OIFSCISSORWINGTRANSPORTYGASRUT  
NLATACERIFSITOLZZKERSTABIDOSPA  
CAOTIUQSOMANIFNIPSHIVRORMLSIJR  
OCLREYORTSEDNAINOCRAXRAAPFHPES  
MXTIXABRYOSCRAMGIRVSBUXXF SOLMP  
MEWXREDUARAMNTEENOIIQIEITTRVE  
APKCIREVAMMELAURNRTACDRUSSETE  
NINTRADRATSSDPLPAANAIEOEWIZARD  
DHAGGIREDFEFEDILLOROFCDTRIDNAE  
ESYNAPENOLCYCHOTIURLSAAUHVRADR  
RRGYOLCRUNXESPRTSEAAIHOOCEIXAS  
RAIBAPACHEDRDAAITSVETCOOKCBWET  
ETBDSSRCKOAEANTHSHOLRAWMEULEASR  
DSRCAELNNTTZSSYANNPESUAEXMIULTR  
MEUUHLUOSIPEKNIRSBTONSBDLPLZOH  
ATQINOIPROCSTFHSGRNCRPEVASBEAS  
XIUSPRAARATTOQUIOEHARRINSETRLK  
ETILTRRTPERRANBBNETLFEHCREPOPY  
PANATIOSOTECOXEARSRDALLUMOVPHH  
FNPAENTCLAXIIIEISTINGRAYBOLBIAO  
IINSXEOTSKRNSKYBOLTRMONNMCSRIO  
AISTAFGHUOEQSIAROTACIDNIVAARIK  
RSKLPHANTOMUENYDRSLRLEFEIVRSIA  
TOTRANESHUCIVARDELTAWEDGEWOCAT  
SHANASAPEGASUSUJSTINGERELZZISE  
IMINIMEANMACHINELSSIMXMEEKNAYB

# **Believe me, they're all in the puzzle.**

Advanced Target Drone  
Aerofin  
Airborne Surveillance Missile  
Alpha  
Alpha III  
Apache  
Aries SST  
Asp  
Asteroid Explorer  
Astrobee  
Beta  
Big Bertha  
Big Yank  
Blue Bird Zero  
Comanche  
Comet  
Cougar  
Courier  
Cruise Missile  
Cyclone  
Defender  
Delta Wedge  
Der Red Max  
Eclipse  
Exocet  
Falcon Commander  
Firecat  
Galactic Taxi  
Harpoon  
Hercules

Honest John  
Kadet  
Manta Bomber  
Marauder  
Mark II  
Maverick  
Maxi Streak  
Maxicar  
Mean Machine  
Meteor  
Mini Mean Machine  
Mosquito  
MX Missile  
NASA Pegasus  
Nike X  
Nova Scout Ship  
Orbital Transport  
Orion  
Patriot  
Phantom  
Phoenix  
Polaris  
Quasar  
Sandpiper  
Scissor Wing Transport  
Scorpion  
Scorpius  
Scout  
SCRAM  
Scrambler

Sea Dart  
Sizzler  
Sky Hi  
Skybolt  
Skyhook  
Space Shuttle Columbia  
Space Station Aquarius  
Spartan  
Spinfin  
Star Dart  
Star Seeker  
Star Speeder  
Starship Excalibur  
Starship Nova  
Stealth  
Sting Ray  
Stinger  
Streak  
Super Flea  
The Bat  
Titan II  
USS Pleiades  
USSF Fireflash  
Vindicator  
WASP  
Wizard  
X Ray  
Xarconian Destroyer  
Yankee  
Zinger

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