

# Tri City Sky Busters



## Newsletter is up and Running!

Welcome to the new TCSB Newsletter! My name is Dave Falkner, and many of you may remember me from the early days of the club when our only launch site was in Richfield. I am NAR Level 2 certified, but my main interest is cloning old kits. There is a picture of me on page 6 with my Estes Orbital Transport clone I built last November.

Unfortunately, I won't be seeing you at any launches because I live in Arizona, and am producing this from there. If you have submissions, comments, etc., please email me at:

dfalkner@ieee.org

## GLRMR-1 A Huge Success!

Our May 05 launch, the GLRMR-I (Great Lakes Regional Meet Revisited - I), was a huge success. Despite a gloomy start and a rather windy day, 46 registered flyers from six clubs in three states came out to have a great time. MANY spectators were also on hand to enjoy the action.

Many thanks to all who came out early to help us set up, to those that helped out on range duty and to those who stayed to help put it all away. It takes many hands to pull off a large launch. A lot of us have been to large launches (NYPower & LDERS) but going to one and running one are very different indeed!

Ross from Magnum said that he will DEFINITELY

come back to our future GLRMR launches. He was very pleased with his sales and the flyer turn out.

Dan Ledenican has offered to write a launch report complete with pictures for submission to one of the rocket magazines. If you have any pics for him, please contact him at Ledenic@nasa.gov.

Thanks to Barry "the New DOC of LOC" Lynch for the rocket kit donation; to Ross of Magnum; and to Parma Hobby for the gift certificate donations for the raffle. We made \$200 on the raffle for our launch equipment trailer fund.

Thanks to all who bought tickets!

Thanks also to the Edwards brothers. Rich delivered the

3/4", two piece launch rod that he made and donated to the club along with a case for it. What an excellent piece of work. Wayne brought walkie talkies for us to use. They made launching from the away cell area a breeze.

I am planning on a GLRMR Launch twice a year, spring and fall. Your support makes it all possible.

The biggest thanks of all goes to our farmer host and friend Mr. Borne and family. Without his great generosity, none of this would be possible!! He graded the access road, in part, for this big launch.

—Les Kramer

### Inside this issue:

Sign Up to Use Yahoo! Groups	2
Parma Hobbies Classes a Hit!	3
BORF!	3
Tango Papa 2X Mrs Lander	4
HTTP://Skybusters.org is a Movin'	5
GLRMR-1 Stats	6

## Sky Busters Plan to Attend NYPower

The Sky Busters will once again make their presence known at the annual NYPower Launch in beautiful Geneseo, New York. Last year we had almost twenty club members show up over the three day weekend event. We even ran an entire two hour shift at the range head with ALL Sky Busters on duty! This year at least

two club members are going to make their Level 3 certification attempts at NYPower. If you haven't been to this launch before, you are really missing out! Many rocket vendors are present each year to sell their wares. This year they are allowing camping right on site. Food will be served on site as usual.

Just like last year, Gerry Freed and myself will arrive early on Thursday,

July 5 at approximately 4:30 PM to stake out the club turf. Anyone else wishing to reserve space with the club should plan on arriving around the same time. If you want to be up front with the club where all the action is, come early.

The following club equipment will be at NYPower:

1. ALL HyperTEK launch equipment including pad, rods and



J90 powered rocket at liftoff

## Sky Busters Attend NYPower continued from page 1

rail

2. Black Sky and Xtreme Rail Jr. launch

rails

3. Club Tent - 10 X 20 feet

4. Club Tables - 4 each

5. Club Banner

6. Plus what ever else we need!

I will also have my 10 X 10 foot canopy there. If you are going to use a club table, please let me know AND bring your own lawn chairs.

For more information including motel accommodations and driving directions, visit the NYPower 2001 web site at <http://www.buffalorocketsociety.org/nypower>.

Les Kramer, Pres.



*The advantages are many. By belonging to this e-mail group you will be notified of important club activities and functions such as launches and meetings.*

## Sign up now to use Yahoo! Groups

The Tri-City Sky Busters will now be using a free e-mail service provided by Yahoo! Groups. Many other rocketry groups use this service as well such as the NAR Headquarters and our neighboring club MTMA.

The advantages are many. By belonging to this e-mail group you will be notified of important club activities and functions such as launches and meetings. You may also send and receive messages to/from all other members of this group. Any Sky Busters group member can send a message to all other Sky Buster group members. You sign yourself up for this service, take your self of the list or change your own e-mail address. The list no longer has to be maintained by a club officer. You can post pictures as well as messages for other members to see and use.

You can sign up for the new e-mail service by going

to the club web site at [www.skybusters.org](http://www.skybusters.org). At the top of the home page opposite our club logo is a sign up box. Just type in your e-mail address and click on Join Now! You will receive a confirmation notice checking to be sure that you want to join our club group. Just reply to that notice and you are signed up. It is just that easy.

Here are some suggestions and tips for using our new Yahoo E-mail service:

1. Visit the Yahoo e-mail site at <http://groups.yahoo.com/group/SkyBusters> to take advantage of all the features. Under "Bookmarks" are some cool web sites that I have added. Feel free to add your own. You can also create your own "Poll."

2. Click on "Sign In." Register with Yahoo if you haven't already done so by clicking on "Sign up now." This gives

you a Yahoo ID and password that enables you to take advantage of all the site features like posting messages, finding individual e-mail addresses, and the features listed above.

3. If you want to send a message to all club members, do it from the Sky Busters Yahoo e-mail site. It will get out to the membership a lot faster than if you send it to [SkyBusters@yahoo.com](mailto:SkyBusters@yahoo.com) from your current e-mail program.

4. The e-mail site keeps ALL sent messages on file so if you delete one

and need the info, you can find it on the e-mail site.

5. You will NOT be receiving any SPAM!! This is a service for club members only!

**-Les Kramer, Pres.**



Amherst, Ohio Launch site

## Parma Hobbies Classes a Hit!

I am extremely happy to announce that *Tri-City Sky Busters Rocketry Club* has continued to focus on the ROOTS of Hobby Rocketry... Safety & Education.

We (TCSBRC) along with Parma Hobby, & LOC/Precision hosted 3 Rocketry Classes in the month of April. The 3 sessions were divided into skill levels,



held at Parma Hobby with a 1.5 hrs of class time and were limited in size to no more than 5 students per class. The 1<sup>st</sup> session was held on Saturday April 7, 2001 12:00-Noon-et and was titled Rocketry for Beginners. "An introduction to Rocketry for modelers of all ages. Build a simple, skill

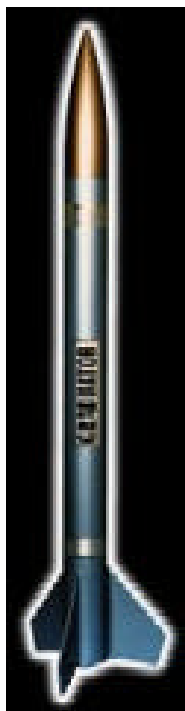
level-1 rocket. Learn about Rocket safety, trajectory, launching, and recovery." In this session TCSBRC Member Pat Easter and I instructed 4 students in the



assembly of an Estes Gnome kit. (Donated by Parma Hobby) Session 2 was held on Wednesday April 18, 2001 at 6:30pm/et. Intermediate Rocketry "A more in-depth discussion and learning session for those who want to delve

deeper into rocketry. Participants will build a skill level-2 rocket." In this session TCSBRC President Les Kramer & I instructed 4 students in assembling a

Quest Big-Betty kit. (Donated by Tri-City Sky Busters Rocketry Club) The 3<sup>rd</sup> and final session was held on Wednesday April 25, 2001 at 6:30pm/et. Advanced Rocketry "The title says it all !!" In this session veteran TCSBRC member



Pat Easter & I instructed 3 students on the assembly of a LOC/Precision Graduator kit. (Graciously donated by LOC/Precision owner Barry Lynch) In each of the 3 sessions The Model/High Power Rocketry Safety Code was emphasized.

All students were given a *Free-Launch Fee/Free-Motor Certificate* to be used at one of our Club launches. (Those in

Class-1 will get a free 13mm 1/2A3-2T Rocket Motor, Those in Class-2 will get a free 18mm C6-5 Rocket Motor, And those in Class 3 will get a free 24mm E15W Rocket Motor). I would like to take a moment to thank Sandy & Hubby from Parma Hobby, Barry Lynch of LOC/Precision, as well as Pat Easter and Les Kramer of TCSBRC for their support of this worthwhile club endeavor !!

Gerry Freed / Club Advisor / Club Promotions

**gerald\_freed@hotmail.com**



**BORF!**

Hi Ya, Let me introduce myself.. My name is BORF.. (That's short for Boring Old Rocketry Fart)..

I've been into Rocketry for a *Very Long Time Now...* It all started one day for me, when I went over to my old friend Orvil's shoe store to get a new pair of wing-tips... He had some guy by the name of G.Harry Something or other there and another fellow by the name of Vern.. (Ya know what I Mean..)

Anyway.. As always we got talking about this and that... (about anything but shoes). Well then .. the next thing ya

know our conversation went from High-Tops to High-Flyers... From Two-Tones to Nose-Cones and from White-Bucks to Roto-Roc's. To say the very least MY LIFE HAS NEVER BEEN THE SAME SINCE.... I hope to share some of my stories and miss-adventures here in the future..

If you have a funny story or something you would like posted .. Just drop me an E-mail at

tcsbrc\_nar535@hotmail.com and I'll do my level best to get it posted here.... Well my epoxy is gotten' tacky and so are my stories.. I'll catch Ya in the Next Newsletter Issue !!!! Come to think of it ..... I never did get those shoes !!! Oh Well.. Wing-Tips are over-rated anyway...

## Tango Papa 2X Mars Lander Kit Review by Steve Gerber



This is the 2X Mars Lander Kit produced by Tango Papa. While this is a kit, it seems more like scratch building with all the parts there for you. I know that sounds like a kit but it doesn't have a kit feel to it. First thing you notice when you open up the box is how many centering rings there are, around ten if I recall correctly. The instructions are done very nicely, however they can still be a little confusing if you have never built a Lander before like me. What proved to be a help was downloading the original Estes instructions from JimZ's site. I quickly learned what the descent, ascent and command modules were. That helped me a lot. I also read and reread and read the instructions over and over. That being said, this is one of the most fun "kits" I have ever built. It is well worth the cost of the kit, in fact for what you get I think it's a great value. Most of the parts are laser cut and fit good. There were a few exceptions though. One of the patterns for the leg support needed some trimming to fit properly and the command module shroud didn't fit to the ascent shroud very well. This was corrected with some spot putty but could have been

prevented with a little pre-fitting of the shroud. The Lander comes with all the parts you need and builds much like the original Estes kit. The descent, ascent and command module shroud's were 'glossed with 3/4 oz. cloth. This really wasn't needed as the shroud's build quite strong with all the c/r's supplied. The fabric paint supplied was also a nice touch. I used it on the descent stage wrap's and the exhaust nozzle for the raised details. On the descent, ascent and command module shroud's I used details cut from 0.010" styrene sheet instead of the fabric paint. On the feet I used strips cut from corrugated styrene I bought for the ET of my shuttle. The shock cord was replaced with tubular nylon and the screw eyes that were supplied exchanged for a single eye/toggle bolt epoxied into the nose cavity with the nose



weights. I'm still debating if I want to go with dual parachutes for recovery or just one. The Lander body was finished with Krylon high gloss white epoxy appliance paint. This paint leaves a very glossy "wet look" finish. It has a few drawbacks though. It will want to wrinkle even when painted over with the same can of paint once it is dry and it seems to wrinkle when applied over standard Krylon paint. The finish is worth the bother if you keep these things in



mind. The legs are finished with Testors Competition Orange. The original Estes instructions call for International Orange or Red as an alternate color. Competition Orange is almost an exact match for International Orange. As you would expect from Tom, the decal's are second to none. All finished without a motor and laundry it weighs in at lbs. 15 oz. I am very pleased with the outcome a highly recommend this kit. I probably won't fly it until NYPower, I can't wait.

**-Steve Gerber**



## *<http://skybusters.org> is A-Movin'*

Thanks to fellow Sky Buster Jamie Wylie, [tinmachine@adelphia.net]  
And his employer (CBOSS Community Network), Tri-City Sky Busters Rocketry Club will be moving it's Club Web Page to CBOSS Community Network & will still be able to use our [skybusters.org](http://skybusters.org) domain name !!! We should be starting the move process soon & should be un-noticed to Internet Webb page viewers. We have also asked Jamie to work with me as Co-Web master..

### **Why are we moving the Club's web site ???**

The yearly cost of the Domain Name & some JavaScript errors Problems we are now having ....

### **What has been done so far to complete the move ???**

Co-Web-Master Jamie Wylie has requested an IP and FTP for the site. And should be approved early next week.

### **The Move plan is:**

1. Get access to the new server.
2. Copy all files.
3. Get new site working.
4. Change domain registration to point to CBOSS instead of directNIC. In doing the move this way, the change is transparent to all users.

If you have questions or comments regarding the Club Web Page Move, Contact

**Jamie L. Wylie / Club Webmaster [tinmachine@adelphia.net]**  
**Gerry Freed / Club Advisor / Club Promotions [Gerald\_Freed@hotmail.com]**  
Northern Ohio's TRI-CITY SKY BUSTERS ROCKETRY CLUB  
<http://www.skybusters.org>    [tcsbrc\\_nar535@Hotmail.com](mailto:tcsbrc_nar535@Hotmail.com)

---



Les Kramer / TCSBRC President  
 ZC412@aol.com  
 Home Phone (216) 941-4554  
 Cell Phone (216) 389-4554  
 (Cleveland, Ohio)

WE'RE ON THE WEB! GO TO:  
[HTTP://SKYBUSTERS.ORG](http://skybusters.org)

**Newsletter Editor:**  
*Dave Falkner*  
 4807 W. Purdue Ave.  
 Glendale, AZ 85302-3638  
 Phone: 623-915-0915

We are section #535 of the National Association  
 of Rocketry  
 We meet twice a month to launch model high  
 power and hybrid rockets.

**ALL OF OUR LAUNCHES ARE NOW  
 Black Sky Rail & Extreme Rail Equipped  
 AS WELL AS  
 Hypertek / Aerotech Hybrid Equipped !!**

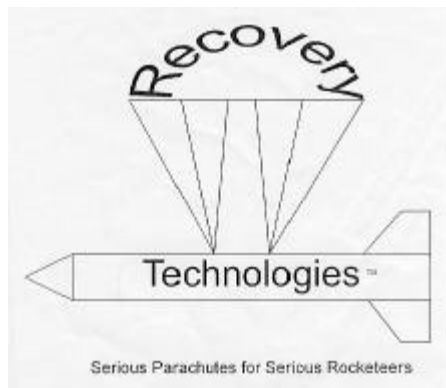
**CLUB CHAT EVERY THURSDAY NIGHT AT  
 9:00 PM/ET**



Dave Falkner with his Orbital Transport Clone

## GLRMR-1 Stats

Total Flights:	109
	Flights
Jared Smitko	7
Paul Bixler	6
Mark Coburn	5
Dave Shaeffer	5
Adam, Brian and Mark Recktenwald combined for 10 flights.	
1/4A	1
1/2A	3
A	4
B	7
C	19
D	8
E	7
F	8
G	17
H	18
I	8
J	8
	2 Hypertek J
	1 F Cluster (2 motors)
	1 2 Stage B/A



If you need a replacement parachute for your rocket, or need a custom parachute for that next project you're working on, then look to Recovery Technologies to recover that rocket safely.

Contact Gerry Freed locally, or Deby Falkner at 623-915-0915. Please visit our website at :  
<http://www.rocketparachutes.com>