
❖ Tri City Sky Busters ❖

Volume 1 Issue 1

NAR # 535

February 1995

Tri City Sky Busters Elect New Officers

Tri City Sky Busters held an election of officers in December to form a corps of officers to provide leadership and direction in charting the future of our club. The results of the election are as follows:

President: Neal Bade

Vice-President: Gerry Freed

Treasurer: Dan Harold

Jim Jennings was named chairman of our Launch Range committee, and Larry Freed is in charge of Public Relations and Promotion.

We currently have 20 members with the membership being made up of both Adults and junior members.

Our regular Section Launch is held on the second Sunday of each month. The third Sunday is our rain date.

-Dave Falkner



Tri City Sky Busters lift off with an election of new officers!

January Launch in Northern Ohio a COLD Event !

A hardy group of dedicated (or maybe just crazy!) Skybusters got together and held a cold and snowy launch on January 8th. Temperatures were in the 20's with brisk 10-12 mph wind gusts.

There were a total of 5 birds launched with no mishap due to the cold weather or wind. All ships were recovered in good condition. All were launched using low power A and B class motors. After these five launches, we called it quits and adjourned to a local coffee shop to warm up!

The only technical problem encountered was the failure of the ignitors due to the extreme cold. The small batteries in our controllers just couldn't produce enough current to start the motors consistently. Next time we'll have to use a car battery!

We had one spectator come out and see just what model rocketry is about, despite the poor weather.

Hopefully, the weather will be better in February! Our next launch date will be February 12. Get all those rockets you got for Christmas ready and we'll see you there!

-Dave Falkner

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Message from the President

Hello, and welcome to the Tri-City Sky Busters model rocketry club newsletter.

The Sky Busters are a group of model rocket enthusiasts who meet regularly to launch model rockets for sport and competition; exchange ideas, information and assistance; and to have a good time. We are section # 535 of the National Association of Rocketry, a non-profit group.

It is our goal to promote the hobby of model rocketry to people of all ages and backgrounds. It is with this goal in mind that we continue to move forward.

This year we are planning to hold monthly launches, with several contest meets later in the year. If you like to launch model rockets just for fun, or are looking for rocket competition, we encourage you to join us.

Some of the competitions we plan on holding are: SuperRoc, Eggloft, random duration, and boost glider.

We are attempting to locate a larger launch area, as some of our members are moving up into high power rocketry. If anyone has any ideas about an available launch area (of any size), please let us know.

I would like to thank all of the hard working members of the Sky Busters, and to all of the spouses and children who showed up at our launches last year. My special thanks to Gerry Freed, Dave Falkner, Dan Harold, and Steve Yahner for their extra effort in making all of this happen. We couldn't have done it without you.

Again, thanks to you all.

Neal Bade, President NAR #535

Some of the competitions we plan on holding are: SuperRoc Eggloft, random duration, and boost glider.

Model Rocket Launch Using a PC Now Possible

For those who may have seen the December issue of Sport Rocketry, there was an article by a fellow hobbyist in Chicago about launching model rockets using a personal computer as the launch controller.

I have obtained a copy of the software from the author, complete with documentation and diagrams to build the electronic interface. If anyone is interested, call Dave Falkner at 572-1234, and I'll get a copy to you. The software is "freeware" so there is no licensing concern.

Tri-City Sky Busters Model Rocketry Club Membership Information

Tri-City Sky Busters is a Sanctioned NAR Section #535. And as such our only requirement for membership (at this time) is to be an active member of the National Association of Rocketry **AND** to Comply with the NAR Model Rocketry Safety Code when you Launch. NAR Membership Applications with NAR# 535 (Tri-City Sky Busters) are available upon request.

Please make sure & Log your NAR Member # when you sign the Launch-Log.

If a member is found to be **NOT IN GOOD STANDING** on ether issue the Member will loose voting rights until the matter is corrected and may be in jeopardy of losing membership.

If at any time it is determined by the Attending Range Officer that a person launching, MEMBER -or- NON-MEMBER, does not comply with the NAR Model Rocketry Safety Code, the Attending Range Officer may ask the person to **"LEAVE THE LAUNCH LINE"**. **THE ATTENDING RANGE OFFICER HAS THE FINAL WORD.**

Information on Correction and/or Aid in determining as to WHAT-IS or IS-NOT in line with the NAR Model Rocketry Code is **ALWAYS** available.

Just Ask The Attending Range Officer !!!

We are here to Keep-Em Fly'n Safely!

Range Store Open for Business!

Just wanted to let all of you know that we now have a RANGE-STORE !!

Our Range-Store carries anything and everything you would need to repair a Rocket On-The-Spot. We also stock limited numbers of 13mm, 18mm, and 24mm rocket motors. We even have a few great starter-Sets for the Beginner. All items in the club store are sold at-cost with NO mark-up!

If you have questions or special orders, let me know.

-Larry Freed

Club Manufacturer Information & Catalog Library Available to Members!

I am -VERY- pleased to announce that Tri-City Sky Busters now has a NAR-535 CLUB LIBRARY of Model Rocket Company Catalogs, Rocketry Distributors Catalogs and Business Cards of Local Hobby Shops that carry Model Rocketry Kits/Motors/Supplies.

Most all of the information we have at present have Xerox-copies available, as well as a Master that may be checked out By club members. We also have A LOT of just General Model Rocketry Information..If You Are Looking For It..... We May Already Have It

For You !!

Our present catalog list is as follows...

MRC, Custom Rockets, Aerotech, LOC/Precision, North Coast Rocketry, Estes, Shecter Rockets, Quest & Quest-Educational, Cotriss Tech. QCR, Cluster-R, Vaughn Brothers, Orion Rockets, and Rocket Works.

We also have Catalogs from Magnum Hobby, Countdown Hobbies, Belleville, Star-Stuff, and America's Hobby Center with MANY more on the way....!!!!

Do YOU have Catalogs -or- information that might be helpful to other Club Members ??? Share A Little !! Give me a call & get it added to the Club's present collection..



Gerry Freed's "Blobbo" lifts off for another perfect flight!

Getting ready for our June 11th SUPER-ROC Duration Competition?

These are the rules governing this competition (Sec.28 NAR Pink-Book)

28 SUPER-ROC DURATION COMPETITION

28.1

Super-Roc Duration Competition comprises nine events open to single-staged model rockets whose body length is no less than the minimum allowed for the classes of the event. The purpose of this competition is to achieve the greatest duration possible with the longest rocket possible without impairing the structural integrity of the rocket.

28.2

An entry that comes apart, bends so as to crimp the body, or has a similar structural failure prior to ejection shall be disqualified.

28.3

Entries with bodies or significant parts made from hard or potentially unsafe materials (e.g. hardwood doweling or fiberglass shaft) shall not be allowed, under provisions of Rule 1.1.

28.4

Super-Roc Duration Competition shall be scored as follows: the length in centimeters of the model, as measured from the tip of the nose cone to the end of the motor nozzle, up to the maximum length for that category, shall be multiplied by a factor of 2 and awarded as static points. No additional points are awarded for any length beyond the maximum. The achieved duration of the model in seconds shall be awarded as flight points. The static points and the flight points thus obtained shall be added to determine the total points for each flight. The contestant achieving the highest score is the winner.

28.5

This competition is divided into classes

based on the permissible total (next page)

Super-Roc, continued

impulse of the motor(s). The following classes of Super-Roc Duration Competition are established:

CLASS NAME	MOTOR CLASS	MINIMUM LENGTH			MAXIMUM LENGTH			WEIGHTING FACTOR
		(CM)	(IN)	(FT)	(CM)	(IN)	(FT)	
1. Shrimp	1/4-A	25	9.84	.816	50	19.68	1.64	5
2. Tiny	1/2-A	50	19.68	1.64	100	39.37	3.28	5
3. Atlas	A	75	29.52	2.46	150	59.05	4.92	5
4. Titan	B	100	39.37	3.28	200	78.74	6.56	6
5. Mammoth	C	125	49.21	4.10	250	98.42	8.20	7
6. Dinosaur	D	150	59.05	4.92	300	118.11	9.98	8
7. Monster	E	175	68.89	5.74	350	137.79	11.48	10
8. Colossus	F	200	78.74	6.56	400	157.48	13.12	11

Although a Super-Roc Model can be easily assembled from scratch-parts. I have put together a list of the manufactured kits that meet the Super-Roc Categories listed below... This list is **NOT** all Inclusive...

1. TINY CLASS. 1/2-A (13mm -or- 18mm)

Kit Name	Manufacturer	Motor Type	Kit Length		
			(CM)	(IN)	(FT)
Metrix	Custom Rockets	13-mm	49.78	19.60	1.63
Skinny Mini	Estes	13-mm	74.93	29.50	2.45
Mini Mean Machine	Estes	13-mm	97.79	38.50	3.20
No Crimp-I	Q R C	13-mm	152.40	60.00	5.00
Sport	Custom Rockets	18-mm	96.52	38.00	3.16
Big Ben	M R C	18-mm	122.55	48.25	4.02
No Crimp-II	Q R C	18-mm	213.36	84.00	7.00

2. ATLAS CLASS. A (13mm -or- 18mm)

Kit Name	Manufacturer Type	Motor Type	Kit Length		
			(CM)	(IN)	(FT)
Skinny Mini	Estes	13-mm	74.93	29.50	2.45
Mini Mean Machine	Estes	13-mm	97.79	38.50	3.20
No Crimp-I	Q R C	13-mm	152.40	60.00	5.00
Sport	Custom Rockets	18-mm	96.52	38.00	3.16
Big Ben	M R C	18-mm	122.55	48.25	4.02
No Crimp-II	Q R C	18-mm	213.36	84.00	7.00
Engage	Custom Rockets	18-mm	149.98	59.05	4.92

Continued on next page...

Super-Roc (Continued from previous page)

3. TITAN CLASS B (13mm -or- 18mm)

Kit Name	Manufacturer	Motor Type	Kit Length		
			(CM)	(IN)	(FT)
No Crimp-I	Q R C	13-mm	152.40	60.00	5.00
Big Ben	M R C	18-mm	122.55	48.25	4.02
Engage	Custom Rockets	18-mm	149.98	59.05	4.92
No Crimp-II	Q R C	18-mm	213.36	84.00	7.00

4. MAMMOTH CLASS. C (18mm)

Kit Name	Manufacturer	Motor Type	Kit Length		
			(CM)	(IN)	(FT)
Engage	Custom Rockets	18-mm	149.98	59.05	4.92
No Crimp-II	Q R C	18-mm	213.36	84.00	7.00

5. DINOSAUR CLASS. D (18mm -or- 24mm)

Kit Name	Manufacturer	Motor Type	Kit Length		
			(CM)	(IN)	(FT)
Engage	Custom Rockets	18-mm	149.98	59.05	4.92
No Crimp-II	Q R C	18-mm	213.36	84.00	7.00
Mean Machine	Estes	24-mm	200.02	78.75	6.56
Equinox	Custom Rockets	24-mm	200.02	78.75	6.56
No Crimp-III	Q R C	24-mm	304.80	120.00	10.00

-Gerry Freed

TRI-CITY SKY BUSTERS

NAR # 535

1995 LAUNCH WINDOWS

All Launch dates will be subject to the NAR MODEL ROCKETRY SAFETY CODE
(i.e. United States Model Rocketry Sporting Code.)

The following is the 1995 Launch Window Schedule.

Standard Launch Dates will be the SECOND SUNDAY of Each MONTH with a weather reschedule date of the THIRD SUNDAY of each MONTH as needed.

A NOTICE OF LARGE MODEL ROCKETRY LAUNCH (FAR 101.22) will be faxed to the FAA's CLV-ATCT & CAK-ATCT no more than 48-hrs & no less than 24-hrs prior to each launch date. Launch times will be approximately. 9:30 am/et to 4:00 pm/et (14:30-to-26:00 GMT)

January 8, 1995	-See Launch Report this issue-
February 12, 1995	(Dry-Run of a Section Meet)
March 12, 1995	
April 9, 1995	(Section Meet)
May 14, 1995	
June 11, 1995	(NAR Sanctioned Local Meet Super-Roc Dur 1/2A-to-D)
July 9, 1995	
August 13, 1995	(Open Meet)
September 10, 1995	
October 8, 1995	
November 12, 1995	
December 10, 1995	

Starting January 1, 1995 An "All-Day Range Fee" of \$ 1.00 per Person launching will be charged, with a max. "Family-fee" of \$ 2.00. This fee has been put in place to insure that ALL Range Equipment is Operational and is maintained with the NAR Safety Code in mind.

This is YOUR Newsletter!

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This is your newsletter. If you'd like to submit an article for publication, please feel free to give it to any of the Club officers, or to Dave Falkner for inclusion in the next newsletter. If you have access to electronic mail, your article can be forwarded to Dave at America On Line at address DaveEF or via Compuserve Mail at User ID 71510,1237. Either address can be reached via Internet.

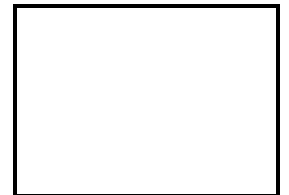
you have access to a scanner, please save the photos in the TIF format. We can however, accept just the photos and scan them as needed.



If you have any other comments or suggestions for the newsletter, just let one us know!

If you have any photos you'd like to share the same would apply. If

Tri City Sky Busters



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