

**OFFICIAL JOURNAL OF THE
KANSAS ORGANIZATION FOR
SPACEMODELING**

the **KOSMONAUT**



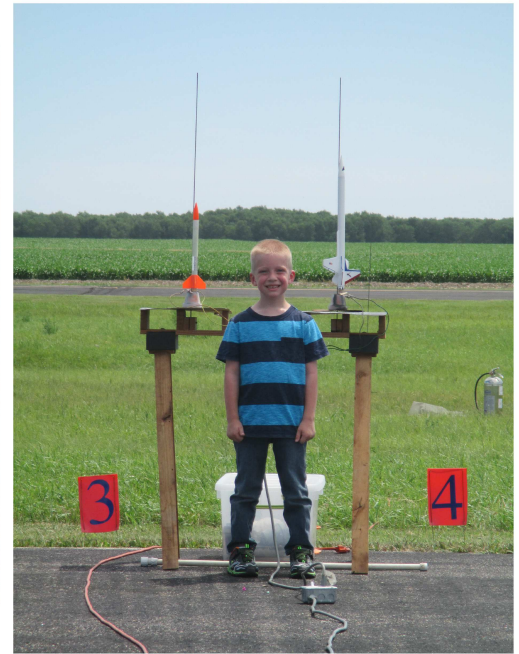
JULY/AUGUST 2015

VOLUME 34 NO. 4



Dateline – Lacrosse, Ks. July 13

It was a great day at the LaCrosse Airport as 18 fliers launched their rockets. The temperature as we wrapped up just after 1 pm was closing in on 97 degrees, but all in all we had an enjoyable time. Nine 4H'ers from Rush County put their fair rockets on the pads and blasted into the blue Kansas sky assisted by a team of three volunteers, Altitrak's at the ready. Once launched the rockets would be painted and entered in the county fair. KOSMO provided the launch equipment and also joined in the fun. Thanks especially to Dennis Elder Rush, County 4H Space Tech leader and KOSMO member, for all his work in making the launch happen. The LaCrosse Airport proved to be a good launch site and we look forward to returning.



PICTURES FROM THE LACROSSE AIRPORT 4H
AND KOSMO LAUNCH JULY 13 2015.





EDITOR'S NOTES / d. lanterman

As our scheduled joint launch with the Rush Co. 4H'ers approached the weather forecast did not look favorable. This year has been plagued with weather that seems to defy the accuracy of the N.W.S. Looking at winds predicted well in excess of 20 mph we did our best to pass the word that we were moving the launch to Sunday morning which looked much more favorable. Rush Co. 4H leader Dennis Elder made an early morning run out to the airport Saturday if someone showed up or the weather was better than predicted. As was par for this year, winds were very calm early and some rockets were launched. Afternoon winds were as high as predicted . We appreciate Dennis making all kinds of efforts in what turned out to be a two day launch. Thanks also to all the 4H'ers and their families for shuffling their schedules.

Our two day Regional contest KRAMO was scrubbed back in the first part of June and our sister NAR section KCAR has stepped up and is hosting Son of KRAMO at the KC launch site. Same events will be held and FSI will be providing prizes. This will be held Aug. 22 and 23. Check out the Launch Schedule page for more info and of course our website www.kosmo427.org.

.....WELCOME NEW MEMBERS

We would like to extend a *BIG* KOSMO welcome to our newest members, the Dyson's. We missed the issue deadline last issue so this welcome is a bit belated. Luke Dyson, his wife, and three boys reside in Sterling Kansas having moved here from Illinois. Luke was a member of NAR section NIRA. He is looking forward to getting certified in HPR. He has his degree in Electronics and works in IT. Luke mentioned that he collects vintage video arcade machines and pinball machines, using his electronics skills to keep them running. We look forward to getting better acquainted with Luke and his family. Steve Saner has been in contact with him over the net and we briefly got to meet him at the LaCrosse Airport, but our uncertain schedule that weekend prevented us from spending any quality time with him. Welcome to Kansas and to KOSMO !!



CELEBRATING 35 YEARS AS AN N.A.R. SECTION

SPORT SCALE PLAN - "New Shepard" from Blue Origin

A quick, easy, and inexpensive sport scale model to add to your collection.

The *New Shepard* is a vertical-takeoff, vertical-landing suborbital manned rocket that is being developed by Blue Origin, a company owned by Amazon co-founder Jeff Bezos, as a commercial system for suborbital space tourism. New Shepard makes reference to Alan Shepard, the first US astronaut in space. The first flight of the *New Shepard* was conducted April 29, 2015 attaining an altitude of 307,000 feet. Deemed a success, the capsule was recovered via parachute. However, the booster stage landing failed due to hydraulic pressure loss during decent.



Blue Origin "NEW SHEPARD"

SP/S model rocket

by: Joe Peklicz 5/5/15

Specs:

Length: 7.125"

Diameter:

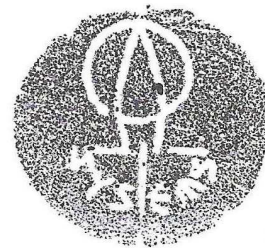
Capsule: 1.6"

Booster: 1.25"

Weight: 0.7 oz

Recovery: 9" Parachute

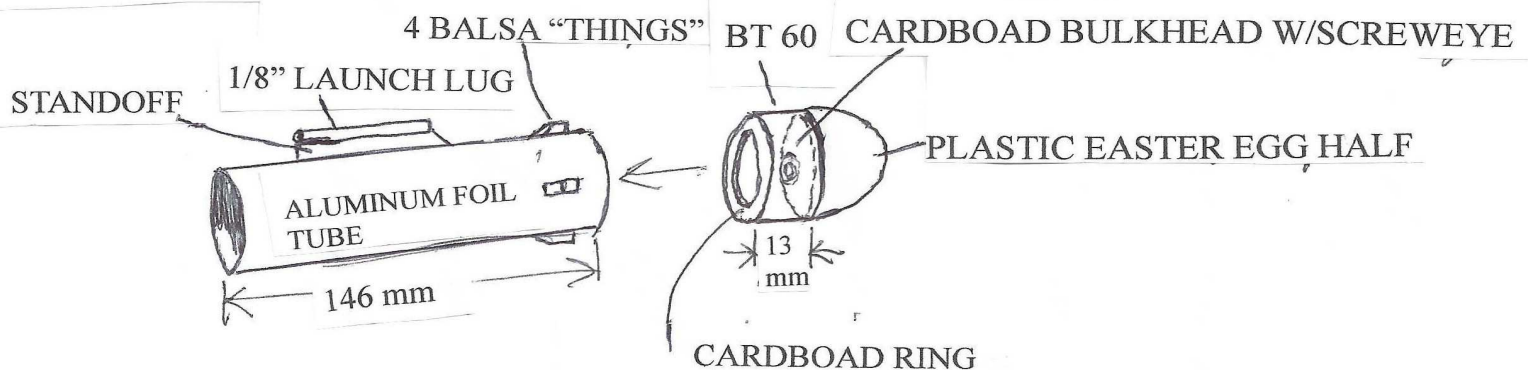
Engines: $\frac{1}{2}$ A3-2T, A10-3T



FULL SIZE
PATTERN
MAKE 4



FINS WERE MADE LARGER TO INSURE A STABLE FLIGHT



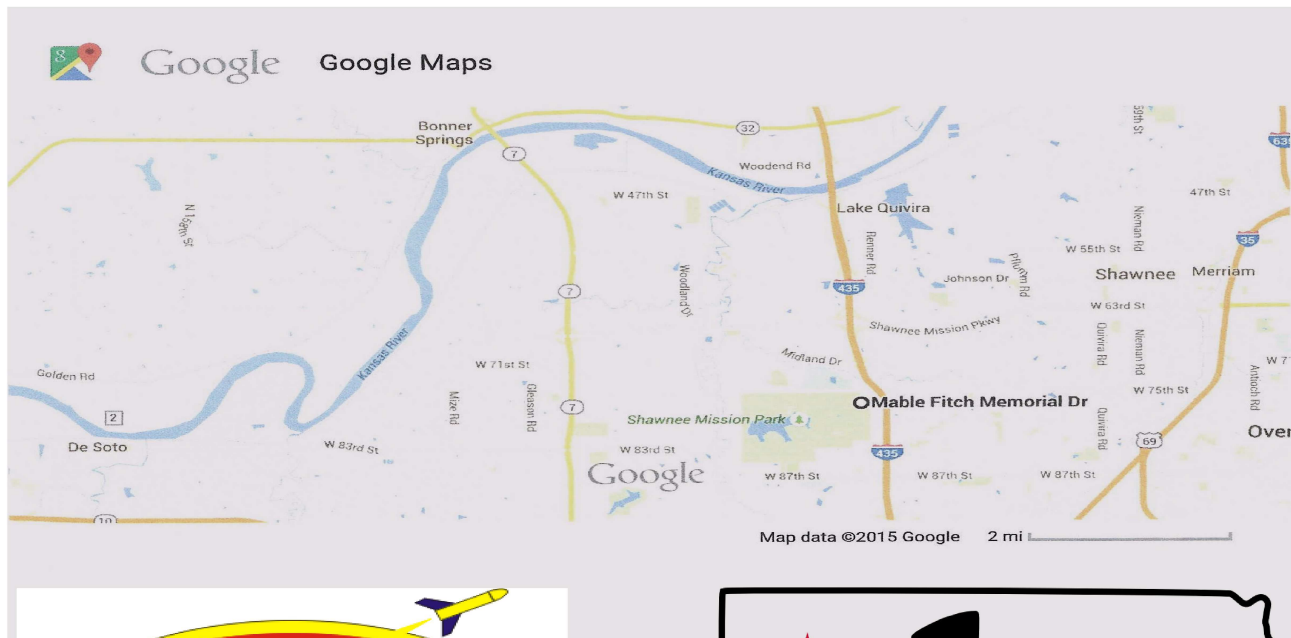
**"SON OF KRAMO" HOSTED BY KCAR, KANSAS CITY AREA ROCKETRY
AUG. 22 AND 23**

As KOSMO's long standing regional contest was canceled this year our sister section in the Kansas City area offered to host a "Son of" event this Aug. The event will take place at their flying field located in Shawnee Ks at the Shawnee Mission Park. It will run from 11am to 6pm each day and feature prizes for 1,2,3 in each event and prizes for 1,2,3 overall. *Flight Systems Incorporated* is the official sponsor, now under the management and production of several of the KCAR members. Rules and events are the same as KOSMO's KRAMO 35. The are listed below. A map of the area is also included. The location is Shawnee Mission Park, 7900 Renner Rd. Take the *Theater in the Park* entrance, road is Mable Fitch Memorial Drive. Questions can be addressed to Blake Goddard of KCAR and FSI at his email address fox_granit@hotmail.com or can be reached at 913 669 8608.

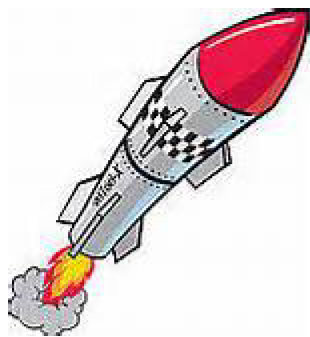
**OPEN SPOT LANDING - "B" EGGLOFT DURATION - "1/2 A" SUPER ROC DURATION
"A" HELICOPTER DURATION - "A" BOOST GLIDE DURATION
- PREDICTED DURATION (BETWEEN 30 AND 50 SECONDS)**

For the eggloft event a tower will only be allowed is the body tube has a uniform diameter(not tapered). The exception to this restriction would be if the tower has a piston launcher incorporated into it. We are planning on this being a Regional Contest. If we do not reach the needed number of participants we will downgrade to an Open Meet and drop "A" Helicopter. We will still fly the helicopter event for prizes but its results will not effect the overall winner and points will not be submitted to the NAR for that event.

ENTRY FEE IS \$5



KOSMO - NAR #427



2015 **KOSMO LAUNCH CALENDAR**



AUGUST 22/23- KCAR, SECTION #505, WILL BE HOSTING THE CONTEST EVENTS ORIGINALLY PLANNED FOR KRAMO 35 IN SHAWNEE MISSIONS PARK IN SHAWNEE, KS. 11 AM-6 PM EACH DAY. SEE ARTICLE ON PAGE 5 OF THIS ISSUE FOR FULL INFORMATION.

**SEPT. 5 SATURDAY* – “FINAL FRONTIER FUN FLY # 25” – 10,000’ WAIVER -
LANTERMAN FAMILY FARM – ELLINWOOD, KS.**

10 AM – 5 PM BBQ @ NOON

*** In case of unfavorable weather on Sept, 5 OR WET GROUND CONDITIONS the alternative date for FFFF is Sept. 19. *Call day of launch 620-282-7960 for last minute updates***

**OCT. 17 SATURDAY – “ROCKET -TOBER FEST” - *NEW!* - 10,000’ WAIVER -
ELLINWOOD AIRPORT OR LANTERMAN FARM - ELLINWOOD, KS.**

10 AM – 5 PM

NOV. 14 SATURDAY - “NIGHTFLIGHT” - KS. STATE FAIR GROUNDS PARKING LOT

HUTCHINSON, KS. - CLASS 1 ROCKET LAUNCHES 3 PM – 6PM

LIGHTED ROCKET LAUNCHES FROM 6 PM- 7 PM

**JANUARY 9 2016 – SATURDAY - ANNUAL BUSINESS MEETING – JOHN PALMER
RESIDENCE - HUTCHINSON, KS.**

ALL KS. FAIRGROUND LAUNCHES AND ELLINWOOD LAUNCHES HAVE A LAUNCH FEE OF \$4 FOR NON-MEMBERS, \$3 FOR MEMBERS. LEVEL ONE OR LEVEL TWO CERTIFICATIONS ARE AVAILABLE IN ELLINWOOD.

SEE CLUB WEBSITE www.kosmo427.org for maps of launch locations.

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The KOSMONaut is published bi-monthly by the KANSAS ORGANIZATION FOR SPACEMODELING NAR SECTION #427. Hard copy subscriptions are \$8 for 6 issues. Membership is only \$10 a year and includes the KOSMONaut (digital version or hard copy, please specify when you join or renew) Membership also has the benefit of reduced fees at launches. Newsletter editor is the current KOSMO secretary Duane Lanterman and submissions are encouraged and can be sent to rocketsandracing@cox.net. Membership and subscriptions checks should be made out to KOSMO and sent to Sharon Lanterman, 642 N. Homestead Rd. Great Bend, Ks. 67530.