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KANSAS ORGANIZATION FOR SPACEMODELING**

*the* **KOSMONAUT**

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## **FAIRGROUNDS HOST FIRST LAUNCH OF 2015**

As the Kansas Organization for SpaceModeling celebrates its 35<sup>th</sup> year of existence the first launch was held at the Kansas State Fairgrounds parking lot on March 21. Seven members were in attendance with a beautiful day in progress. This March in Kansas had been exceptionally free from wind, dry and rather warm.

It was only fitting that local rocketeer John Palmer, who usually manages to be the first flight at most of our launches, was first off the pad, beginning the new launch year. John who we refer to as "Mr. Scale" and also affectionately call "Mr. I can fix that" keep busy launching 15 rockets into the clear Kansas sky. His list of models included an Ariane, Cruse Missile, a Harpoon, Shuttle, Atlas V, Gemini Titan, Soyuz, Little Joe II, Skylab, Atlas Agenna, Mercury Redstone, Bullpup, Future Launch Vehicle, Phoenix, and a V2. Any questions as to why we call him "Mr. Scale" ? Bet John is looking forward to the new Vulcan rocket coming in 2019 from United Launch Alliance. How about being first on the block and scratch building this one John ?!

After that list of well know rockets here is a list you may not be as familiar with. Quad T-Tail, Shoot the Moon, 4<sup>th</sup> of July, Zoom, Double Demon and more. These colorful names and rockets come from the creative mind of Ron Snow. Ron had a blast that afternoon successfully launching 9 rockets.

Duane Lanterman started his day with the launch of his recently completed Dark Silver. This kit was given out by Estes at last years NARAM. It put in a very nice flight. His other 6 flights were basic Estes or Quest models always having fun with the low drag Planet Probe.

Five of Keith Ravenstein's 7 flights were with his rocket glider. He had several very nice glides and several flights that were less than perfect due to a forgot procedures in prep. Still all in all the glider proved tough and fun to watch.

Steve Saner also had 7 flights, a very popular number this day. His recently finished "Sierra" featured dual deployment via a Archetype cable cutter. This is the first time this technique has been used in our club. It worked as advertised. Open Rocket had calculated an altitude with a F20 at 650' and the altimeter read out an amazingly close 643'. Later in the day Steve launched this model again on motor ejection but milliseconds after the button was pushed it suffered a cato of its Estes Composite motor. A small fire was contained the in the fiberglass body tube and the model should fly again after some repair work in his shop. Among Steve's other flights was his always arrow straight KSU Big

**Bertha in appropriate purple paint scheme.**

**New members Jim and Rita Forsythe rode their motorcycle out to the launch site. Although they didn't bring any models with them, they watched our flights and visited about the hobby. We look forward to seeing them at a future launch and joining the fun.**

**As 4 o'clock rolled around we packed up the launch equipment having mostly good success with our 45 flights.**



*Illustration 1: Duane, Steve, Keith, John, Ron, Rita, Jim*



*Illustration 2: Steve's "Sierra" with dual deploy*



*Illustration 3: Ron surrounded by his colorful fleet*



*Illustration 6: John's Mercury Redstone*



*Illustration 5: John's Little Joe II*



*Illustration 4: Duane's Estes Dark Silver*



## 4H SPACE TECH DAY IN LaCROSSE

On a very nice March Saturday afternoon 4H'ers from Rush, Ness, Lane, and Ellis counties gathered at the grade school in downtown LaCrosse to spend part of the day with hands on activities. KOSMO nauts Dennis Elder (Rush Co. 4H leader), Traci Ross (local 4H member), and Duane Lanterman and Steve Saner. In addition there were a good number of local adults assisting with the various projects and lunch too !

I believe in the morning we had 23 kids building Estes models. Most of the kids had not built a rocket before. The kits were not the plastic nose cone plastic fin units ones but the honest to goodness cut out the balsa fins, sand, glue, make shock cord mount and insert screw eye into nose cone models. Although we adults were a little outnumbered the kids were very patient and did a great job. Most of the kids were about done when lunch was served and were finished shortly afterwards. Also going on were Lego robotics classes, stomp rockets and more.

During the lunch period there was a special announcement. 4H'er and KOSMO member Traci Ross was made aware of a very special state achievement. Since the official press release has not been made let me just say that it involves a record book project she was working on for almost two years and will result in recognition at the Emerald Circle Banquet and includes a medallion and a trip scholarship. We will have exact details in the next issue. Congrats Traci !

In the afternoon an older group of young people built a Skill Level 2 Estes rocket, once again work with patience and newly acquired skills. In the gym a 19' globe was on display courtesy of the Soil Conservation Service showing areas of precipitation around the world. It was a busy but fun day !! Special thanks to Dennis Elder for all his hard work in making this happen.



*Illustration 1: Steve Saner helps a couple young men in the morning session*



*Illustration 2: Duane Lanterman helps a 4Her with fin placement*



*Illustration 3: That is one big globe !*



*Illustration 4: Very cool shirt to remember the day !*



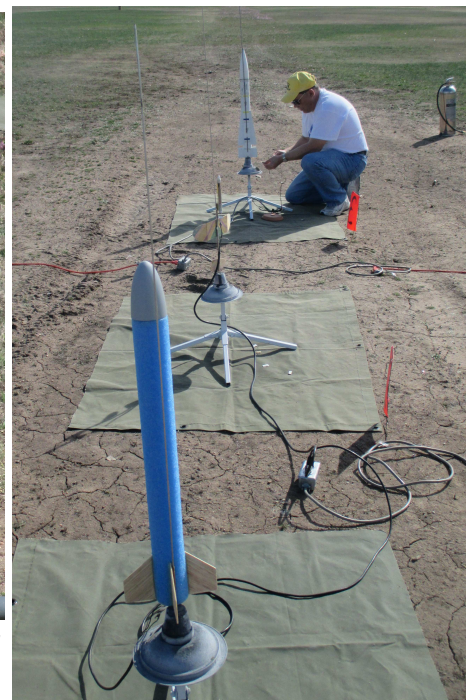
# CONTINUING WITH MORE PHOTOS OF KOSMO HAPPENINGS IN THIS ISSUE



*Illustration 3: Ron Snow loves the classics, here is his MAXI ALPHA 3*



*Illustration 1: Keith Ravenstein's rocket glider got a work out*



*Illustration 2: John Palmer prepares his Phoenix while Steve's "Noodle" sits on the pad*

## Our first launch at Hutch Fair Grounds 2015



## Space Tech Day in LaCrosse



*Illustration 4: Dennis Elder prepares to get the young 4H'ers ready to start building*



*Illustration 5: Traci Ross learns of her State 4H award during lunch !*



*Illustration 6: Traci helps a young lady with a "Rockets to the Rescue" project*



## CONDOLONANCES TO MIKE DICKINSON

**Our thoughts and prayers go out to former KOSMO member and current KLOUDBUSTER member Mike Dickinson at the sudden passing of his wife Martha ("Marty"). Mike and his son Mike were regulars at our Final Frontier Fun Fly in the past as they came up to Hoisington, Kansas on Labor Day to visit family. She and Mike were visiting her mother on March 7<sup>th</sup> when she suddenly felt ill and was rushed to the Hoisington Hospital where she passed. She and Mike resided in Oklahoma City. She was a homemaker and x-ray technologist. A devout Christian she was a member of the Quail Springs Baptist Church in OK City.**

[illegible]

## KOSMOnauts Looking Sharp in New Shirts !!

**Most of you should have received your new KOSMO T-Shirts, Polo's, and Hoodies. There are still a few that need delivered hopefully at the next launch. The back was designed by Steve Saner at the annual meeting in January and "Identifications" in Great Bend produced the attire. It's been about 5 years since we have had new shirts so now you can finally wash that old one ! We should be looking sharp out in the field or at that formal event you've been wondering what to wear. Nice way to promote our club and the NAR.**



**COMING SOON = SPRINGFEST RESCHEDULED, KRAMO 35 EVENTS**

**Spring in Kansas is not particularly kind to launching rockets and we twice had to cancel SPRINGFEST in April. It has been rescheduled for MAY 2 and relocated several miles to the Lanterman Family Farm. This is located 2 miles West of Ellinwood on HWY 56 and then app. 2 miles North on NE 80 Ave. There are no restroom facilities at this location. We will have free cold bottled water but please bring a SACK LUNCH for your noon time munchies !**

**KRAMO 35 EVENTS THIS YEAR ARE – 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 if 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. Full rules for each event can be found with links at our club website. **COMPETITION FEES: ADULTS/TEAMS \$7 YOUTH \$5 FAMILY \$15 SPORT FLYING ONLY \$1**



## **2015 KOSMO LAUNCH CALENDAR**

**MAY 2 SATURDAY - "SPRINGFEST" - LAUNCH WITH 10,000' WAIVER-**

**LANTERMAN FAMILY FARM – ELLINWOOD, KS. 10 AM – 5 PM**

***NOTE CHANGE OF LOCATION AND DATE***

**WE WILL BE HAVING LEVEL ONE CERTIFICATIONS THAT DAY**

**CHECK THE WEBSITE [www.kosmo427.org](http://www.kosmo427.org) or CALL 620-282-7960 FOR  
LAST MINUTE WEATHER CANCELLATION OR DIRECTIONS**

**JUNE 13/14 SATURDAY/SUNDAY - "KRAMO 35"- NAR REGIONAL CONTEST-**

**HUTCHINSON, KS. - CLASS 1 SPORT ROCKETS AND CONTEST FLIGHTS**

**SAT. 10 AM – 5 PM AND SUN. 10 AM – 4 PM**

***SEE PAGE 5 OF THIS ISSUE FOR LIST OF COMPETITION EVENTS***

**JULY 11 SATURDAY - SPORT AND 4H LAUNCH – *PENDING APPROVAL* –**

**RUSH COUNTY AIRPORT – LACROSSE, KS.**

**POSSIBLE ALTERNATIVE DATE OF JULY 12 – MORE INFO TO COME SOON**

**SEPT. 5 SATURDAY\* – "FINAL FRONTIER FUN FLY # 25" – 10,000' WAIVER -**

**ELLINWOOD AIRPORT OR LANTERMAN FARM – ELLINWOOD, KS.**

**10 AM – 5 PM    \*Alternate weather date is Sept. 19**

**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. SEPERATE FEES APPLY FOR "KRAMO 35". LEVEL ONE OR LEVEL TWO CERTIFICATIONS ARE AVAILABLE IN ELLINWOOD.

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**CELEBRATING 35 YEARS AS AN N.A.R. SECTION IN 2015 !**