

KOSMO STUGGLES WITH MOTHER NATURE AS LAUNCH SEASON PROGRESSES

After two weekends of cancellations due to weather, we finally had an abbreviated version of Springfest . Winds managed to stay under the 20 mph limit but the flight count was quite low as conditions were less than ideal. On the positive side, we did have a successful Level One Cert flight by Terry Blake, a student at K-State Salina. His model was a Public Missiles *Miranda* powered by an H255. Great flight Terry ! Steve Saner of Andover flew his Sky Hog dual deploy rocket on a K550. (It had first flown on a J at last years NARAM in Colorado.) Steve's simulation on Open Rocket showed a suggested 2572' altitude. Readings from the onboard Telemetrum read 2440' and the Stratalogger read 2438'. The logged data resulted in a 5.4% error from the computer simulation. Duane Lanterman finally got his self-designed two stage rocket off the work bench and into the sky. It flew on an F15 to D12. We were joined by 4H member Noah Deines and his dad from Hoisington, Ks. Noah flew his Alpha several times and then enjoyed watching the bigger rockets. After loading up the equipment, seven of us cruised over to Ellinwood to visit for an hour and a half over food.



*Illustration 2: Terry Blake
successful Level One flight*



Illustration 1: Steve Saner's Sky Hog

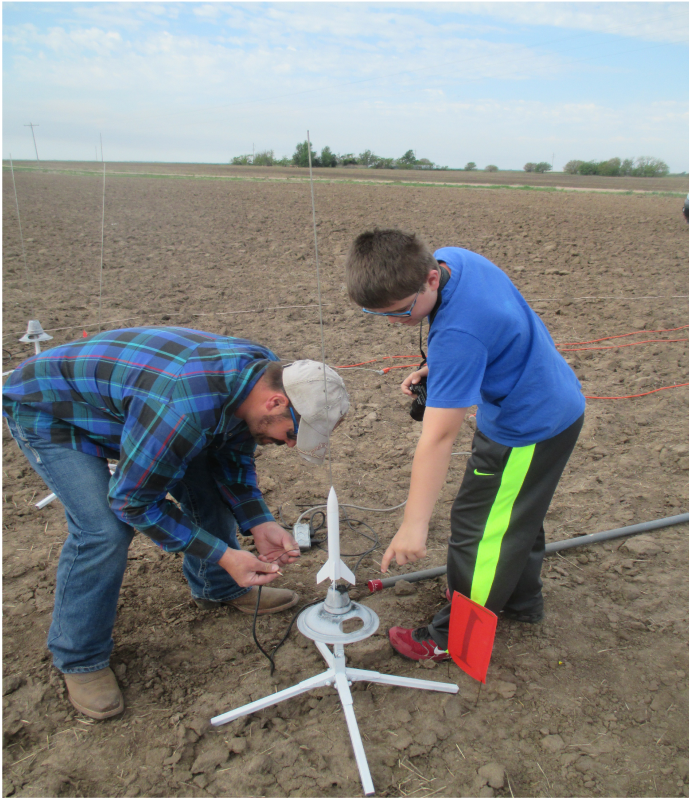


Illustration 3: Noah Deines prepares his Alpha for flight

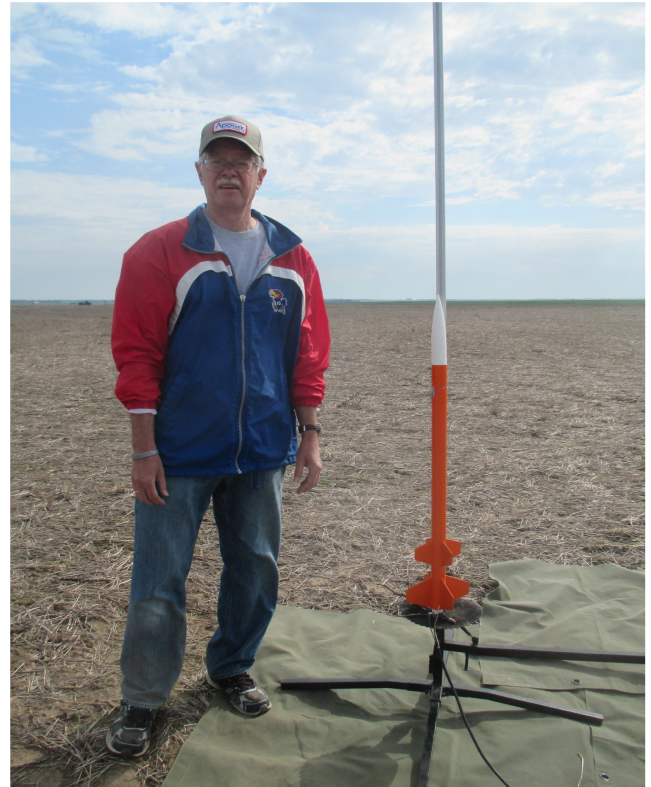


Illustration 4: Duane Lanterman's two stager prepares for flight



**CELEBRATING 35
YEARS AS
N.A.R. SECTION #
427**

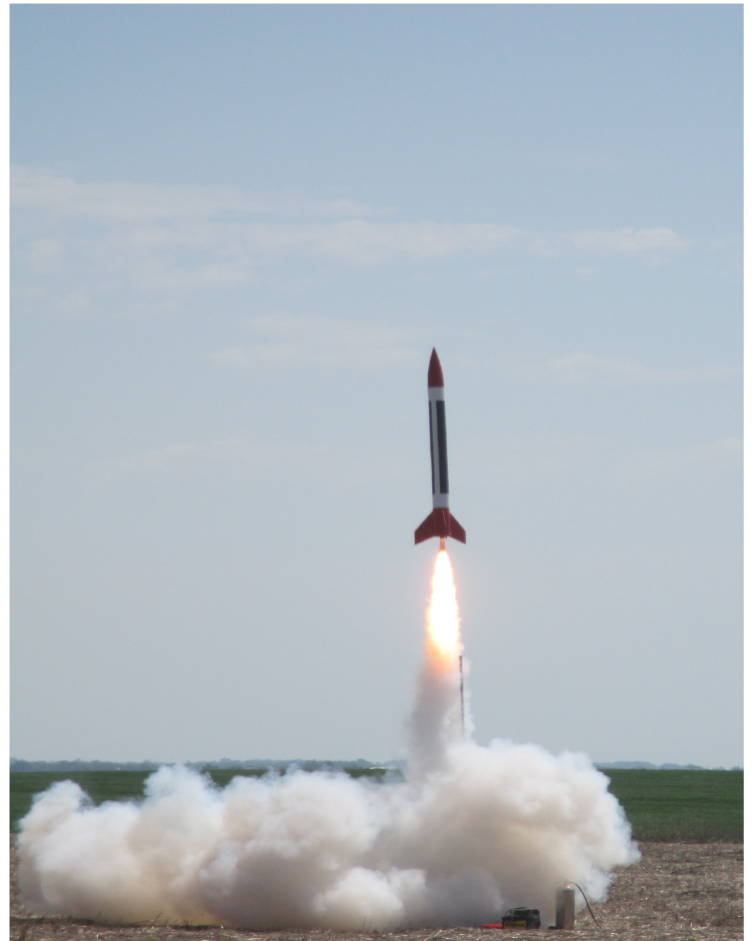


Illustration 5: Steve Saner's Sky Hog puts a big hole in the sky as it lifts off !!

FORECAST SCRUBS REGIONAL CONTEST

***As the 35th edition of our contest called KRAMO approached, the weather forecast did not look favorable. Since we had people driving in from KC and Columbus Mo. we did not want them to incur the time, miles, and money only to be rained out. The contest was canceled. The decision was based upon consistent forecast from several sources, 80% chance of rain, winds 17-24. We did leave open the option to stop by the field on Sat. to sport fly.**

***Saturday dawned with cloudy skies, but the rain and wind failed to materialize, at least in the Hutchinson area. We did have a nice little crew who came out to launch some rockets in the morning and early afternoon. A brief report on those flights follows. It appears that KCAR in the Kansas City area will host a regional with the same events planned for KRAMO 35, most likely in August. As soon as details have been finalized our club website will announce it and those members who are on our hard copy mailing list will receive an update.**

***John Palmer, almost always our poster boy for first flight of the day, just squeaked in his flight of his Astra I over Keith Ravenstein's Rose-a-Roc. Keith would fly his helicopter model 3 more times, trying to work out the sky writing antics that it was displaying. His final flight was still a little squirrley but had a pretty good rotation and flight. John's other flights included the Future Launch vehicle, a V-2, his small shuttle affectionately called Son of Shuttle, and finally his well worn Shuttle that was the flight of the day with a very nice glide ! Steve Saner flew an Astron Outlaw, a boost glide model, and his K-State themed Big Bertha. Mike Stewart from the KCAR section flew his boost glider, his superroc, and a 1/4A streamer model. His first helicopter model ever, a gyro copter, flew very well. Great job Mike. An awful lot of first attempt helicopter models become shredded balsa ! His super light 1/4A steamer model had some innovative ideas but unfortunately will require a little re-engineering to be successful. Mike was using one of the Apogee tower launchers for most of his flights and seemed to work very well. Duane Lanterman left his competition models at home but brought out a just for fun Estes Red Rider. It flew very straight and true on its first flight. He then attached the accessory booster and dropped a D12 in it. For some reason it did not fly nearly as straight and then of course the second stage firing did not help that situation. It was recovered and although it hit pretty hard on asphalt sustained no damage. The Zonger family was out on the field after being absent for sometime. The girls had brought their 4H fair models to launch. Faith had a LOC Magnum mini that flew very nicely on an A8-3 and Grace Zonger had a very cool looking LOC Star Bird. It flew arrow straight on a E20. Grace hopes to fly it again on a bigger motor. Faith then flew a beautifully painted Big Bertha on a C6. The Big Bertha has to be the iconic model when it comes to our hobby. We learned from the Zonger family that son Luke will soon be finishing his 4 year commitment with the military (including some time in Afghanistan), returning to the Hutch area, and that wedding bells will be in his future this Fall. Thank you for you service to this country Luke and congrats to you and your future bride.**

SPORT FLYING TAKES PLACE AS CONTEST IS SCRUBBED -



Illustration 1: Kirk Zonger, Keith Ravenstein, Steve Saner, Faith Zonger, John Palmer, Grace Zonger, Duane Lanterman, Mike Stewart



Illustration 2: Just getting off his summer job @ the Cosmosphere Wilder Parks stopped by to join us for lunch



Illustration 3: Mike Stewart's first attempt at a 'copter model worked very well.



Illustration 4: Grace Zonger's LOC Star Bird on an E20



Illustration 5: John Palmer poses with his "Son of Shuttle"



4 H MEMBER, KOSMONAUT HONORED

Source: www.ksre.ksu.edu/news/story/4H_scholarships052115.aspx

Traci Ross set her goal in May 2013 of attending the 4-H Emerald Circle in Manhattan, Ks. She was so excited on May 28, 2015 to be honored as a state 4-H scholarship winner and a state 4-H record book winner in the Space Tech Project. Traci Ross was on the State Space Tech Action Team, helped with the Space Tech judging at the Kansas State Fair, attended the National Rocketry Shoot in Pueblo Colorado, joined KOSMO(Kansas Organization for SpaceModeling), helped with county rocketry meetings, created a Geocache near the Barbwire Museum Complex, gave many talks about rocketry, donated rocketry painting stands and many other activities throughout the 4-H year. As the state Space Tech record winner, she received a commemorative project medallion and a partial scholarship to attend the National 4-H Congress in Atlanta, Georgia next November. Traci is very thankful to the community for helping her achieve this goal.

Trace Ross won the J. Clifton and Helen F Ramsey Scholarship. She received this honor at the Emerald Circle Banquet in Manhattan May 28, 2015. This year, the Kansas 4-H selected 64 students to share more than \$59,000 in scholarships, rewarding them for their dedication and leadership as Kansas 4-H members. The scholarships fund post-secondary education during the 2015 -16 academic year. The 4-H member's scholarship applications are judged with emphasis on 4-H leadership, citizenship and project involvement.



Illustration 1: Traci is honored at the Emerald Circle Banquet



Illustration 2: Traci with her Space Tech Medallion

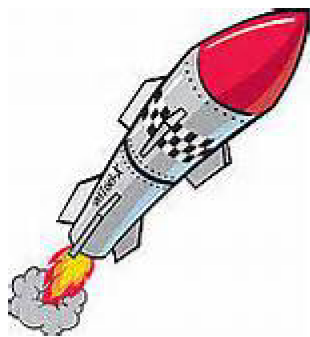


Illustration 3: Traci with the NAR President at NARAM 2014

CONGRADULATIONS TRACI FOR A JOB WELL DONE !! WE ARE PROUD OF YOU.

NEXT LAUNCH SET FOR RUSH COUNTY AIRPORT

The next launch of the season is scheduled for Saturday July 11 at the Rush County Airport, 10am to 4pm. This launch is primarily for the 4-H members of Rush County to launch their projects. However, we have been invited to participate and conduct a club sport launch as well. This has been arranged by KOSMO member Dennis Elder. Dennis has been leading 4-H rocketry programs in Rush County for many years. (Traci Ross comes out of this program) Dennis is hoping that we can demonstrate some aspects of rocketry that many of the 4-H'ers have not yet been exposed to. Rockets will be limited to Class 1.



2015 KOSMO LAUNCH CALENDAR



JULY 11 SATURDAY –RUSH COUNTY 4H AND KOSMO LAUNCH -

RUSH COUNTY AIRPORT – LACROSSE, KS. - 10 AM TO 4 PM

LOCATED 29 MILES WEST OF HOISINGTON, KS. ON HWY 4

**FLIGHTS LIMITED TO 3.3 LBS AND 4.4 OUNCES OF PROPELLANT AND
REASONABLY RECOVERABLE ON FIELD – *THERE MAY BE A STATIC KOSMO
ROCKET DISPLAY, CHECK WEBSITE FOR CURRENT UPDATES ON THIS EVENT.***

**AUGUST - KCAR, SECTION #505, WILL BE HOSTING THE CONTEST EVENTS
PLANNED FOR KRAMO 35 AT ONE OF THEIR FIELDS. DATE AND LOCATION TO BE
FINALIZED. UPDATES ON OUR WEBSITE AS AVAILABLE AND HARD COPY
UPDATES TO THOSE WHO RECEIVE THEIR NEWSLETTER BY U S MAIL.**

**SEPT. 5 SATURDAY* – “FINAL FRONTIER FUN FLY # 25” – 10,000’ WAIVER -
ELLINWOOD AIRPORT OR LANTERMAN FARM – ELLINWOOD, KS.
10 AM – 5 PM BBQ @ NOON**

*** In case of unfavorable weather on Sept, 5 the alternative date for FFFF 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. LEVEL ONE OR LEVEL TWO CERTIFICATIONS ARE AVAILABLE IN ELLINWOOD.**

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