

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

the **KOSMONAUT**



KOSMO - NAR #427

SEPT./OCT. 2015

VOLUME 34 NO. 5

inside this issue: FFFF Launch, SKRAMO, NARAM 58 NEWS and More !



FINAL FRONTIER CELEBRATES 25 YEARS !

It began twenty five years ago as an opportunity to utilize the Lanterman Farm in central Kansas and take advantage of more open spaces than our fields near Wichita provided. Labor Day weekend was chosen as the time. The first launch had humble begins near the farm house and without waiver. The next year it moved out into the field, a 10,000 wavier was secured and over the years it grew into a major launch with considerable Kloudbuster attendance (a Tripolli group) and up to 100 spectators on hand. Kloudbuster then began their own Labor Day tradition called AirFest and the FFFF became a high power launch appealing mostly to NAR members and 4H'er in the area. At a certain point the Ellinwood Airport was secured for the launch (about 2 miles from the farm). The airport or the farm remain the sites for the launch depending on the placement of crops around the sites.

This years event was postponed two weeks because of 30+ mph winds on our original date. We had 10 fliers and 37 flights. Significant flights included new KOSMO member Luke Dyson and his successful Level One flight, Steve Saner's "J" powered flight to almost 6800 feet, and Duane Lanterman's first attempt at dual deployment, also successful. Here are the details.

John Palmer joined us after a long hiatus due to work commitments this year. John quickly picked up where he left off by being the first rocket in the air for the day. (as is his tradition) His 10 flights were mostly sport scale models as usual but also included his rocket, The Claw, on a H165R. Peter and Linton Bayless of Shawnee Mission Ks. are FFFF regulars from way back. It is always a pleasure to have them join us after a long drive from home. The put up a total of 11 flights burning up a bunch of E9 motors but also putting another flight on their old faithful, a bright orange 4" ASP on an I287. Duane Lanterman's Eagle E (a Ravenstein kit) logged 2045 feet on an H152 and deploying its 24" chute right on time at 800 feet. He also flew his two stage Crosspoint 2X in calm winds utilizing an F15 to D12 combo. Steve Saner wanted put up a flight exceeding one mile and his self designed Level One rocket was chosen. It had GPS on board and he wanted to put it out of sight and utilize his antenna and app on his smartphone to locate it. The rocket lifted off on a J270 and the app relayed the altitude and location via voice. Amazingly the rocket landed a very short distance from the pads. While the GPS wasn't really necessary due to the rockets proximity, it did go very high, 6887 feet ! New member Luke Dyson had informed us when he filled in his membership application that he wanted to certify high power. Luke brought out his nicely finished all fiberglass Formula 75 rocket from Rocketry Warehouse. An H242 was his motor of choice. Steve Saner had been helping Luke via the internet during his build and monitored Luke's preparation and flight, which was successful. Luke's wife and kids made it out to field to watch the flight and savor the moment with him. Luke plans to cert Level Two with the same rocket perhaps as soon as Oct. Finally, Dennis Elder brought three of his grandchildren out and their Estes model rockets. Garrett, Lilly, and Addie all seemed to have fun with grandpa and watching their rockets go skyward.

Overall we had a great day. The weather was near perfect: winds under 10 mph, temperature in the mid 70's and mostly clear skies. Thanks to Sharon Lanterman for coming out and cooking hot dogs on the grill at noon and for the homemade snicker doodle cookies !! A number of us then headed into Ellinwood to eat at a local restaurant, talk rockets, and just catch up on each others lives. Looking forward to returning to Ellinwood in Oct. for our first high power launch in that month with the catchy title of Rocket-tober Fest.

Final Frontier Photos



Illustration 1: Luke Dyson takes the traditional before Level One cert photo



Illustration 2: Luke (smiling) returns with Steve Saner after a successful flight



Illustration 5: Linton and Peter Bayless and their dependable ASP



Illustration 3: Steve Saner's "J" powered flight to almost 6900'



Illustration 4: Duane Lanterman's successful dual deploy flight



Illustration 7: Dennis Elder helps granddaughter Addie with her flight.



Illustration 6: John Palmer's beautifully finished Atlas 5

KOSMO MEMBERS COMPETE IN SKRAMO

by Duane Lanterman

June in Kansas usually means KOSMO's annual Regional Contest. This year's 35th edition was thwarted by forecast of windy and wet conditions and the contest portion was canceled. A number of modelers made it out to the field that Saturday and talk began about having the same events later in the year but hosted by the NAR section in the KC area KCAR. The dates of Aug. 22/23 were chosen and what became known as SKRAMO (Son of KRAMO) took place with 16 individuals and teams competing along with a number of sport fliers those two days. There was some spirited competition and outstanding flights. We do not have all the results but the overall winner was Keith Vinyard of the SLRA. Keith has participated in five world champions and his building skills and launching prowess were evident. Saturday evening as a good number of us were enjoying a meal talk turned to the NAR's internet feeder that a number of Sections in the central U.S. host the next NARAM. *An article with more information of this is included in this issue.* Many thanks to the KCAR members who opened their homes for KOSMO members that Saturday evening and for their preparation for the event. There were some outstanding prizes provided to winners Sunday afternoon and kits for all participants courtesy of FSI based in the area.



Illustration 1: Some of the crew at SKRAMO



Illustration 2: Keith Vinyard was the overall winner.



Illustration 3: Dave Bucher helps one of the sport fliers.

Events included:
OPEN SPOT
PREDICTED DURATION
BEGGLOFT DUR.
1/2A SUPERROC DUR.
A HELICOPTER DUR.
A BOOST GLIDE DUR.



Illustration 4: Another sport flier gets help from Dave Lucas.

YOU ARE INVITED TO A BANQUET !

The Walnut Creek Extension Office has extended an invitation to all KOSMO members to attend their Achievement Banquet. The invitation is for helping Traci Ross (4H and KOSMO member) in her achievements in 4-H Rocketry. She will receive her official award from the Extension Council and would like as many as possible from our club to appear in a photo with her. The Banquet is Sunday Oct. 18 at 1 pm at the Rush Center Township Hall in Rush Center, Ks. Please email Dennis Elder by Oct. 13 if you will be able to attend. The email address is elders@gbta.net

NARAM 58 AND THE KOSMO CONNECTION

BY STEVE SANER

The National Association of Rocketry's 58th Annual Meet (NARAM 58) will be held next July 23-29 near Walnut Grove, MO. John Buckley of the St. Louis Rocketry Association (SLRA) is going to be the Contest Manager for this event and is in charge of organizing the event. This August, John reached out to the KCAR and KOSMO clubs to see if we would be interested in helping out with this endeavor.

During the "Son of KRAMO" contest in Kansas City, in August, KOSMO members Keith Ravenstein and Steve Saner, along with KCAR member Blake Goddard and SLRA member Keith Vinyard, participated in a phone call with John Buckley to open conversations regarding this.

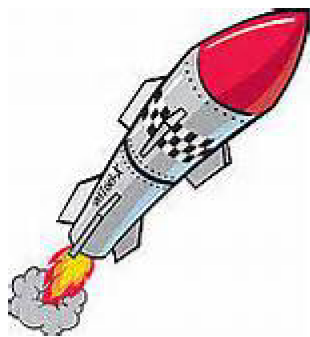
From what has been discussed so far, the primary need for KOSMO participation will be helping to run the sport launch range during the week of NARAM. Other things may come up as time goes on. If you are interested in helping or just following the discussion an E-Mail list has been set up for this event. You may subscribe to this mailing list by going to the following web site:

<http://lists.kosmo427.org/mailman/listinfo/naram58>

Please note that subscription to this list is a two-step process. You will need to enter your E-mail address and a password and click the "Subscribe" button. This will cause a confirmation E-mail message to be sent to you. There will be a link in that E-mail message that you will need to click to confirm your subscription. When you have finished that, you will receive another E-mail message with information about how to post a message and how to remove yourself from the list if you wish. Once subscribed, you may also go to the above website address and view the list archives to catch up with what has already been discussed.

A web site for NARAM 58 is being built. KOSMO member Steve Saner has agreed to help in that effort. You can get to the web site by going to the following address <http://www.naram.org/> There is some very basic information there now and more will be coming soon.

So please put this event on your calendar and consider joining the E-mail list and helping. At this point you do not need to make any particular commitment. This is, however, an opportunity to participate in a national NAR event.



2015 KOSMO LAUNCH CALENDAR



There is still time for you to have a BLAST in Kansas. Make plans to make one or both of the upcoming launches.

**OCT. 17 SATURDAY – “ROCKET -TOBER FEST” - NEW Event! - 10,000’ WAIVER -
LANTERMAN FARM - ELLINWOOD, KS. 10 AM – 5 PM Call 620-282-
7960 for last minute updates – Bring your own sack lunch – Water
provided- No restroom facilities at this site - \$3 Launch Fee**

**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 – No launch Fee- We
meet regardless of the weather, if we get winded out we will eat
somewhere together.**

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

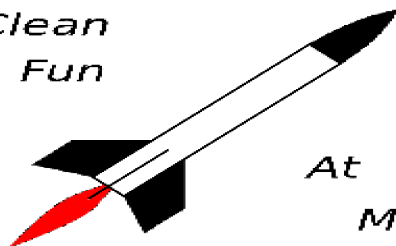
SEE CLUB WEBSITE www.kosmo427.org for maps of launch locations.

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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.

KOSMO

*Good Clean
Fun*



*At
Mach One*

**Kansas Organization for Spacemodeling
Estd. 1980**