

OFFICIAL JOURNAL OF THE  
KANSAS ORGANIZATION FOR SPACEMODELING

# the **KOSMONAUT**



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**CELEBRATING 35 YEARS OF CONTINUOUS PUBLICATION**



*Illustration 1: THE BOYS OF MAY*

inside this issue -

**COVERAGE OF  
MAY SPORT LAUNCH**

**RESULTS OF KRAMO  
36 "OPEN" CONTEST**

**DYSON CERTIFIES  
LEVEL TWO**

**UPCOMING LAUNCHES**



*Illustration 2: KRAMO COMPETITORS*

# **THE TRADITION CONTINUTES – KRAMO 36**

DATA COMPILED BY STEVE SANER, ARTICLE BY DUANE LANTERMAN

Begun in 1980, the tradition of a June NAR competition event in Kansas runs deep. This years version included six diverse events fought out over two days by 4 competitors from KOSMO and 4 competitors from KCAR, our sister section in Missouri. When the black powder settled the KC Flying Monkeys Team represented by Dave Bucher came out on top and was awarded the Traveling KRAMO Trophy, a number of Subway gift cards, ribbons for various events and a very cool Hallmark ornament of Santa prepping a model rocket. Other competitors also went away with ribbons and gift cards.

First through third place standing are highlighted in each event below. Almost every event had all eight competitors competing.

The first event was Open Spot Landing and first place went to Keith Ravenstein, followed by Bob Wingate, and the KC Flying Monkeys.

Predicted Duration involved selecting a time between 30-50 seconds and then putting up a number as close to your prediction as possible. John Palmer nabbed first place with a 31 second time on a 30 sec. prediction , second went to the Flying Monkeys with a 31 on a 35 sec. prediction, and Duane Lanterman placed third.

1/2A Helicopter Duration was the event we had to drop from the official NAR standings as we were short the 10 competitors to make it a Regional Contest. However, the event was run and competitors received ribbons, prizes for this event a well as non NAR points. First place went to Keith Ravenstein with two identical flights of 22 seconds each, John Palmer placed second and Duane Lanterman third.

1/2A SuperRoc was next on the agenda and first place went to the KC Flying Monkeys with a 100cm model , followed by Bob Wingate in second and Dave Lucas in third. Bob Wingate had the best single flight at 24 seconds and a 100cm model. Chute deployment seemed to be the main issue with the majority of competitors.

Dave Lucas ran away with B Eggloft Duration with an outstanding 45 second time, followed by Steve Saner in second and Duane Lanterman in third. Several eggs met their demise on the field. Along with Open Spot Landing, some form of egglofting has been a part of almost every KRAMO.

The KC Flying Monkey's dominated the A Boost Glide event with a best time of 50 seconds, backed up by a 41 second flight. Second place went to Dave Lucas with a first flight of 17 seconds plus an excellent second flight of 41 seconds. Keith Ravenstein rounded out the field in third place.

Taking all events into account here are the final results -

**KC FLYING MONKEY'S - KCAR**

**DAVE LUCAS - KCAR**

**KEITH RAVENSTEIN - KOSMO**

**JOHN PALMER - KOSMO**

**DUANE LANTERMAN - KOSMO**

**STEVE SANER- KOMSO**

**BOB WINGATE - KCAR**

**LEE WALKER - KCAR**

continued next page



**"The Tradition Continues", continuing from page 3**

**Taking all events into account the Section Points were very close with KOSMO edging out KCAR 2907 to 2859.**

**Final results submitted to the NAR deleted the Helicopter Event as we were short competitors to be a Regional. Overall standing varied somewhat, however the overall winner KC Flying Monkey's and run-up Dave Lucas remained the same.**

**Besides the 66 competition flights during the two days there was also some sport flying of a wide variety totaling 26 flights. There were no cato's, no lost rockets, and no rockets left the field. All in all a very successful two days. Saturday evening was spent visiting while eating at Sirloin Stockade and as tradition awards were handed out at Ken's Pizza. Looking forward to KRAMO 37 in 2017. The tradition continues !**



*Illustration 3: Bob Wingate with Egglofter as Steve Saner and Keith Ravenstein look on*



*Illustration 4: Steve Saner's Egglofter enters the tower*



*Illustration 5: Flying Monkey's Dave Bucher readies his Egglofter*

**Egglofting continues to be one of the more interesting contest events as it brings out such a wide variety of models and ideas.**

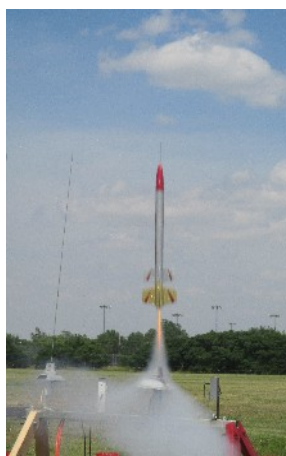
**Plus, there is always the anticipation of a great flight or ending up with egg on your face !**



## KRAMO 36 IN PICTURES



*Illustration 2: Duane Lanterman slides his Rampage onto the rack*



*Illustration 1: Dave Lucas and his FSI Megatron*



*Illustration 3: Lee Walker readies his Boost Glider*



*Illustration 4: John Palmer's Gemini Titan*



*Illustration 6: A beautiful rack of sports models by Dave Bucher*



*Illustration 5: Dave Bucher representing team KC Flying Monkeys with the spoils of victory*



# LAUNCH SEASON BEGINS IN MAY IN HUTCH

REPORTED BY DUANE LANTERMAN

After winds canceled the beginning of our launch calendar, the season began in earnest on May 14 at our Hutchinson field. Six members were present with five of them flying.

No one was more anxious to begin flying than John Palmer whose flights made up 30% of the total that day. "Mr. Scale" Palmer had a Mercury Redstone, Mercury Atlas, Gemini Titan, Saturn 1B, Saturn V, Soyuz, V2, Altas 5, and a Python and Harpoon on the pads.

Dennis Elder entertained us with his Estes Airliner which definitely flies better on a B6 than an A8 ! Duane Lanterman flew a recently completed vintage FSI competition rocket, a NightFlight mini rocket that put in its first flight, and a classic Estes Rampage. Another first time flight was also a last time flight as his Estes AT EE on a D12 caught a thermal and was last seen heading on a path that was going towards South Hutch !

Keith Ravenstein continued to burn his stash of B6-0's with three flights of his Dare To B Square rocket. Steve Saner's high mileage Big Bertha flew along with his Wildcat, and Honest John. His self designed Sierra then first split its casing on a G77 and then flew well with cable cutter deployment on a G78. (AeroTech replaced Steve's cato)

Fred Smith was out part of the day checking out the rockets and mentioned that he had recently finished his best effort on a line on of tower designs he has been constructing and designing.

Next up on the schedule is our competition meet KRAMO in June. (reported on in this issue)



*Illustration 3: John Palmer's trunk is a history lesson in manned spaceflight*



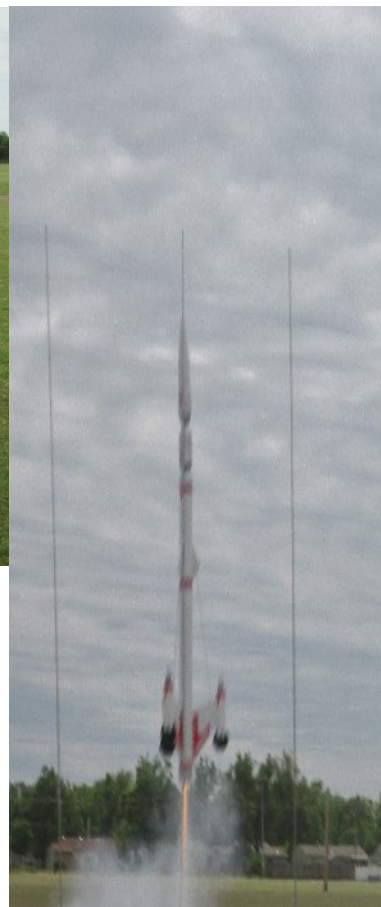
*Illustration 1: Dennis Elder and his beautifully finished Airliner*



*Illustration 4: Steve Saner preps his Sierra for flight*



*Illustration 5: An E20 lifts John's Saturn V*



*Illustration 2: Duane Lanterman's Dark Silver*

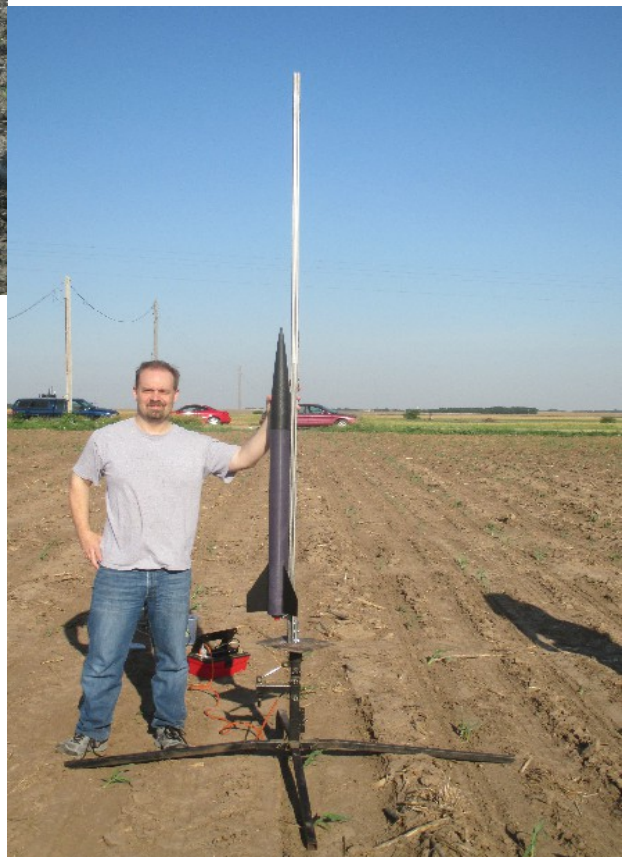
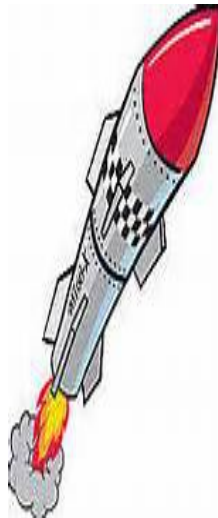


# LUKE DYSON CERTIFIES LEVEL TWO

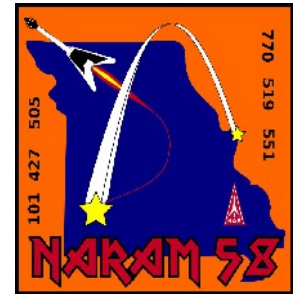
Report and photos by Duane Lanterman

Last Sept. at the Final Frontier Fun Fly, KOSMO member Luke Dyson from Sterling, Ks. had a successful Level One flight. His intention was to return to the field in Oct. to launch the same rocket but this time for his Level Two certification. He passed the written test with flying colors but the weather had other ideas in Oct. and the launch was canceled. Plans were then made for the Ellinwood Airport in March of this year at Springfest. Once again mother nature provided less than ideal conditions and the launch and back up date were canceled. As our annual contest was approaching in June at our Hutchinson field an opportunity arose to launch Luke's rocket early in the morning of the contest but at the Lanterman Family Farm in Ellinwood. KOSMO president Keith Ravenstein made FAA calls the day before and was out early Saturday morning of the 11<sup>th</sup> of June to assist with the launch and Duane Lanterman was on hand as an observer. Luke had added a Garmin dog tracker GPS in the nose cone which proved to be a great help in recovery. Luke assembled the AeroTech J350 motor and the countdown began at about 8:30 am. The rocket ripped off the pad as expected and up to an altitude of about 3400'. Keith caught sight of the rocket just before touch down and the GPS unit took Luke right out to the recovery site, just 30' off an access road and a little over a mile from the launch site. Congratulations to you Luke ! Good things come to those who wait. Grab the check book and start burning some of those big motors this year.

**LUKE DYSON LEVEL TWO FLIGHT  
FORMULA 75 ROCKET BY  
ROCKETRY WAREHOUSE  
AEROTECH J350 MOTOR**



## NARAM 58 COMING SOON !



Check out the website (developed largely by KOSMO member Steve Saner) [www.naram58.org](http://www.naram58.org) for the latest information on the national launch in Walnut Grove, Mo. This event is a joint effort of several clubs including KOSMO. If you haven't registered yet you will want to do so soon. The deadline for ordering a shirt, pin, or patch is July 1 and soon after is a late fee for signing up. We have a number of members going, most not for the entire week, but part of the event. When you get there you will undoubtedly find opportunity to help in some capacity. And bring your rockets to fly also.

*One way you can help is to contribute rockets to the FLY IT TAKE IT event.* Anyone who has never flown a rocket before or any youth under 14 will be able to go to the main tent and choose a rocket. They will be given the rocket, a motor, wadding, and assisted with the prep.

Donated rockets can be any kit or scratch built or ready to fly model. They must fly on a single 18mm motor and a recovery device must be included. It is suggested that complex designs like helicopter recovery not be included. New models only please.

KOSMO members who are attending can bring their rockets to the Fly-it/Take it table at the sport range. John Palmer still has some of the KOSMO logo stickers and will attach them to models we donate. Feel free to send your models Tom Ha at 512 Chestnut St. Mount Holly Springs PA 17065 but make sure they arrive at least two weeks before NARAM. You can also send them to the NARAM motel marked "Hold for NARAM – TOM HA" but make sure they do not arrive more than 2 weeks before NARAM. The motel's address Lamplighter Inn North, 2820 N. Glenstone Ave. Springfield, Mo. 65803. Members in the Great Bend area can drop them off at Duane Lanterman's residence. Call 620-792-9531 before doing so.

### NEW MEMBER -

We'd like to welcome new member Larry Morton of Kingman, Ks. We received Larry's membership form back in May and look forward to seeing him at one of the upcoming launches.



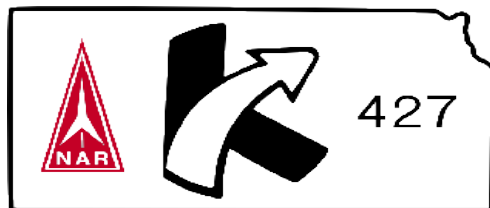
### Rush County Launch Rescheduled

As we were going to press we intended to include pictures of the Rush County 4H launch. Several of our members made it out to the launch site early Sat. June 24 but wind conditions had moved to sustained 15-20 with frequent gusts over 20 and conditions looked not to improve through the day. The launch was scrubbed and right now it looks like the 4H group will try again Sat. morning July 2 without the help of the KOSMONauts. Keith Ravenstein brought out his recently finished "toy" the fire fighting Cushman and trailer. You may remember this project from the Members Project in the March-April KOSMONaut. The vehicle is ready to roll and packs 35 gallons of water. Nice work Keith !



**CHECK OUT OUR WEBSITE : [www.kosmo427.org](http://www.kosmo427.org)**  
**UPDATES – KOMONaut's from the past 9 years – Launch site Maps**





**KOSMO - NAR #427**

# **KOSMO 2016 LAUNCH CALENDAR**



***JULY 23-29 NARAM 58 WALNUT GROVE, MO***

**SATURDAY JULY 30 – ELLINWOOD AIRPORT or LANTERMAN FAMILY FARM – COSMOSPHERE XTREME CAMP LAUNCH – 10AM – FEATURING 20-25 LEVEL ONE ROCKET CERTS FROM STUDENTS ENROLLED IN THE CAMP. We are currently examining our two Ellinwood fields and crop placements and will determine the final field before July 7. The location will be posted on our website and a general mailing will be made to members with the location. *All KOSMOnauts encouraged to attend and help with various aspects of this endeavor.***

**SAT. AUG. 20 SPORT LAUNCH/FAMILY BBQ-STATE FAIR GROUNDS PARKING LOT 9PM-1PM BBQ TO FOLLOW, bring the wife, bring the kids or grand kids.**

**SAT. SEPT. 3 FINAL FRONTIER FUN FLY- ELLINWOOD AIRPORT OR LANTERMAN FAMILY FARM 10AM-5PM 10,000' FAA WAIVER (BACKUP DATE SEPT. 17)**

**SAT. OCT. 15 ROCKET-TOBER- ELLINWOOD AIRPORT OR LANTERMAN FAMILY FARM 10AM-5PM 10,000' WAIVER**

**SAT. NOV. 12 NIGHTFLIGHT- STATE FAIR GROUNDS PARKING LOT HUTCHINSON KS 3PM-7PM NIGHT PORTION BEGINS AT SUNSET**

**ALL LAUNCHES AT ELLINWOOD OR HUTCHINSON HAVE A LAUNCH FEE OF \$3 FOR MEMBERS, \$4 NON-MEMBERS. LAUNCHES IN HUTCHINSON ARE FOR CLASS ONE ROCKETS THAT CAN BE REASONABLY RECOVERED IN THE FIELD. LEVEL ONE OR TWO HIGH POWER CERTS ARE AVAILABLE AT ELLINWOOD.**

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](mailto: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.