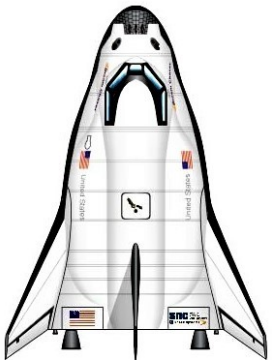

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KOSMONAUT

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KOSMO LAUNCH'S MOVE TO HIGH POWER FIELD

After a very success string of launches at our low/mid power field the action moved to our high power field just outside of Ellinwood Ks for our traditional *Final Frontier Fun Fly*. We had a nice group assembled at the field with temperatures reaching the low 90's in the afternoon with the winds very favorable for flights.

Duane Lanterman began the day with an up-scaled "Estes Courier" on a Quest E26, followed by a Fliskit's "Pay Lord" on a cluster of 3 D12's and towards the end of the day he resurrected his self-designed "Eagle 428"on a H135, his first high power launch in sometime.

Bob Wingate made the long trip from Independence, MO staying at the Lanterman's overnight. It was good to see Bob launching with us again. He had a variety of rockets on the rack including his "One Ring of Power" making yet another successful flights, Estes"Der V-3"and "Goblin" and a "Nu-Way Mark 4".

Austin S represented our Salina KS contingent with some interesting flights. Models flown included a "Cherokee E", a Mini Magg on a G80, the club's first "Estes So Long" on an E to E that unfortunately wasn't as "long" after the second stage failed to ignite, and finally a "Hi Tech" on a G67R.

Keith Ravenstein had picked up a "Little Squat" in Argonia and flew it 4 times, the first 3 times on D power and the last flights on an old Estes E9. Each of its flights varied in their flight patterns but the short stubby model flew best on an old Estes E9.

Michael Stewart keep busy in the morning prepping his Level One Cert rocket. He and his wife Sharon had made the 4 hour trip to Ellinwood to take advantage of the wide open area of our field and to consult with the cert team of Keith Ravenstein and Steve Saner. KOSMO requires that everyone attempting a Level One cert also take the Jr. Level test less a few questions. This results in a rocketeer with a better understanding of high power rocketry in the future. Michael's rocket was a KOSMO Club Rocket Version 2 that has a track record of 100% success and was designed by Keith Ravenstein. This rocket was given the name " Paladin" and lifted off on a H135W and shortly after landed to the smiles of Michael and his wife. Congrats !

Steve Saner spent sometime prepping his reliable rocket "The Reckoning" with a K550. It quickly lifted off with a roar and a trail of smoke reaching a peak altitude of 8605 feet. The rockets tracker reported back to Steve's cell phone and at the pre-selected altitude the chute open right above us. It drifted a bit and became the only rocket to the find the milo field that day but was quickly recovered and carried back to the field. Definitely the launch of the day.

Duane's grandkids Cody and Parker Lanterman made it out towards the end of the day. Cody launched his Estes "Double Ringer" which is always cool to watch and an Estes "Long Ranger". Parker had two flights also, a basic Estes kit he named " The Rocket that made it to Space" and an Estes "Spectra" that sadly crashed due to a very weak Quest composite B6-4. The boys still had fun that afternoon. Duane was thankful to have their help retrieving his Eagle 428 that landed almost a half mile from the launch site.

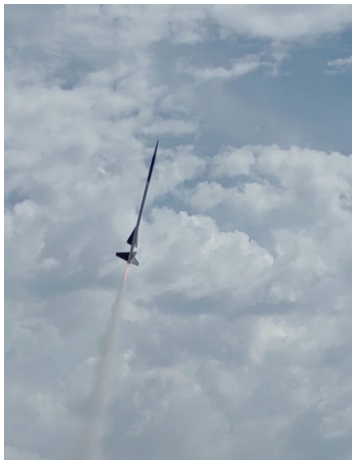
Long time KOSMO member Rick Calvert, who fly's infrequently, graced the field with his son and a friend and enjoyed visiting with club members, especially Bob Wingate whom he has know for years.

It was a successful morning and afternoon of flying and we look forward to the next launch also at the Ellinwood field. Many thanks to Dustin Wyant who helped set up and tear down equipment at the launch.

Bob Wingate (L) and Rick Calvert (R) trade stories of past launches.

Most of the crew that participated in the 2023 edition of FFFF.

Cody Lanterman with his Long Ranger.



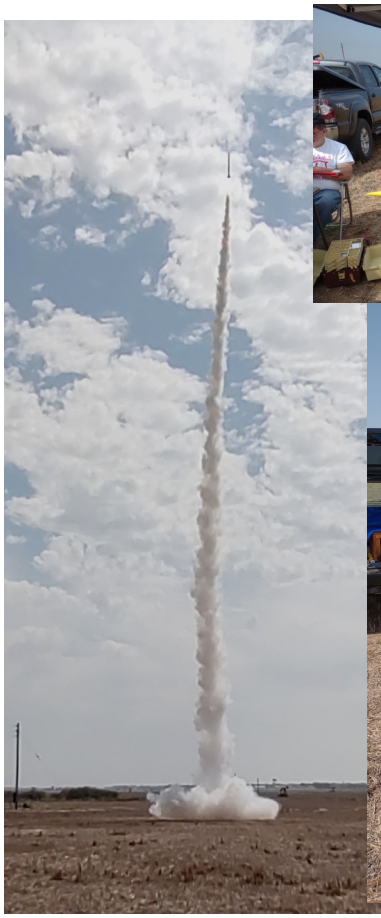
Austin Streit's "So Long" became "some shorter" after the second stage failed to light. Still a beautiful shot against the scattered clouds.

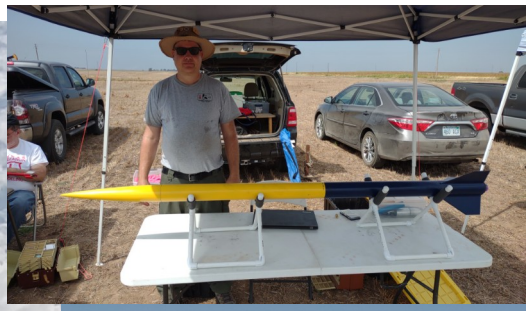
Duane Lanterman's Eagle 428 lifts off under H135 power.

Michael Stewart poses for the traditional before Cert photo.

The crowd watches as Michael's flight is a success !

Austin Streit (L) and Keith Ravenstein (R) ready their models for flight.





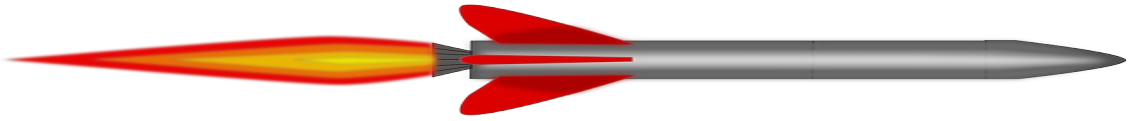
Steve Saner's K550 powered "The Reckoning"

Duane Lanterman's upscale Estes "Courier" on an E26

Keith Ravenstein's "Lill Squat" lifts off

Austin Streit frowns at his now shorter "So Long" after the 2nd stage failed to ignite

Bob Wingate's "One Ring of Power" and "Der V-3"



ROCKET'TOBER FEATURES SOME INTERESTING FLIGHTS

The turnout at Rocket'tober was somewhat disappointing but the flights during the day we anything but. The day started out cold but the sun quickly warmed the site and the winds were calm all day. The area is still very dry and so we saw more than a few dust devils during the day including one of substantial size.

Keith Ravenstein launched his *"Ford Explorer"* three times on old Estes E9's with three very nice high flights and no cato's. His final flight last month also used an E9, so that's four successful flights with an engine with less than a stellar history. The rocket Keith used beckons back to the days when our club had rocket drag races complete with "Christmas Tree" starts. There was some talk during the day about perhaps bringing those back. An item for discussion at our annual meeting perhaps.

Duane Lanterman was the most prolific flier including his trusty Estes *StarOrbiter* on an E15, an up-scaled Estes *Scorpion* on an E26, an Estes *Argent* powered by an F26, and a Fliskit *Trey* on 3 C6's along with several other models.

Steve Saner flew his *Pringles* rocket (made from Pringles cans) once again on an E20, his *WildCat,* an original design, utilizing a cluster of 3 D12's (this model has flown successfully many times) and a *Spool* that jumped off the pad on an H123 !

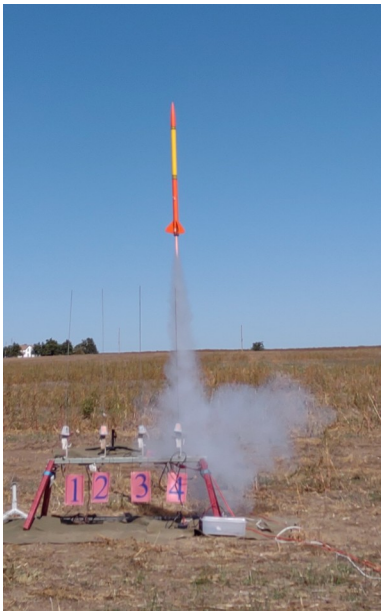
Zac Twigg expended the most newtons, launching his *Pegleg* on an I205, his *Stryker* (aka Swivelless) on an H100 (this heavy model flew well on this calm day, nice and straight and somewhat slow for an H powered rocket) and finally his *Der Max* on a I500.

At lunch time Sharon Lanterman brought out pizza's for the group and we just enjoyed sitting under the pop-up, eating pizza, and shooting the breeze on a variety of subjects.

We began to break down at bit early and as we were nearly done packing one of Duane's friends from his Vintage Wheels club arrived with his grandson. We did manage to launch one rocket that his grandson enjoyed and he helped retrieve it from the field. He was full of questions and seemed to enjoy his short time with us.

Our next launch will be back at our low/mid-power field in Hutchinson. Launching will begin at 2pm and lighted rockets will fly at or near sundown on November 11th.

Steve Saner's PRINGLE rocket

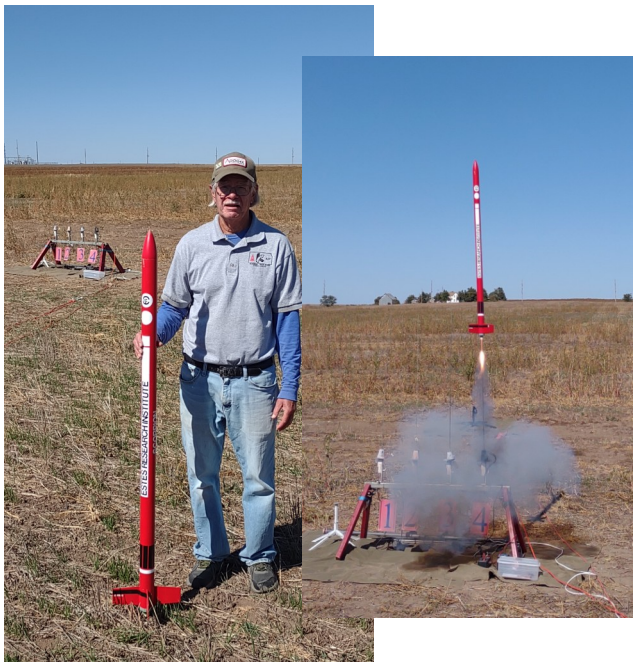


Duane Lanterman's STAR ORBITER

Steve Saner's clustered WILDCAT

Keith Ravenstein's FORD EXPLORER

Steve Saner's *SPOOL*



Duane Lanterman's upscaled SCORPION

Duane's ARGENT

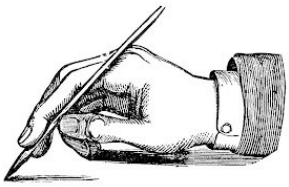
Jim Krebaum and grandson checkout the hobby

Time out for Pizza delivered by KOSMO treasurer Sharon Lanterman

Zac Twigg's PEGLEG rockets upward on an I205

Zac's GOBLIN

Zac's STRYKER



From the President's pen – Steve Saner

KIT BASH CONTEST

Ever since I heard about the idea, I have thought that a kit bash project would be kind of fun to try. In an effort to stimulate some creative juices and a bit of friendly competition among the KOSMO membership, I hereby propose a kit bash contest!

A kit bash goes as follows. The participant starts out with two different rocket kits. Using any parts or materials from both kits you design, build, and fly, the most unique and interesting rocket that you can dream up. You may use any and all materials that come with both kits, including the packaging, instructions, and, of course the rocket components of each kit. You may modify the parts in any way that you see fit. The only materials that you may add that aren't included with the kits are glue and finishing materials. Any type of glue is acceptable. I'll say that tape is also acceptable. Any kind of paint, sealer, or filler is fine too. For the purposes of this contest, the rocket must be flyable as a low to mid power rocket using one or more commercial motors. The rocket must be safely flyable at the field in Hutchinson. The rocket and flight must meet the standards set by the NAR model rocket safety code. The flight must be mostly stable and any safe recovery method can be used.

Because this is intended to be a competition, each participant must use the same two kits, which will all be purchased from the same source to ensure that they are identical. The participants will need to cover the cost of the kits. My target is that both kits together will be no more than $20. My plan is that I will need to get a list of everyone that wishes to participate by the end of December. I will then order the kits, probably from AC Supply, and have them available for distribution at the annual meeting. If a participant can not be at the meeting, we'll make other arrangements. I am open to suggestions as to which kits to use. I'd like at least one of them to be more than a simple 3 fins and a nosecone rocket so that there will be more parts to choose from.

The end of the contest will then be the first Hutchinson launch of the 2024 season. That will likely be scheduled for April, but if that launch doesn't happen for some reason, then May, or whenever we are able to have a Hutchinson launch. I propose at least two categories of consideration. First would be a static judging taking into consideration creativity, aesthetics, and craftsmanship. Second would be a judging of the flight of the rocket, which would include things like stability, recovery, and special effects. I'm definitely open to suggestions for other categories. Winners can be determined by having everyone, including participants, rank order all of the entries for each category and calculate the winners from there. Prizes can be provided by the club. Some of these details need further discussion, but will be made official at the annual meeting.

So, any takers? Feel free to make further suggestions that you think would make this idea more interesting and more fun. That is, after all, the primary goal.

JAYLA WYANT RECEIVES SCHOLARSHIP

Congratulations to KOSMOnaut Jayla Wyant who is the 2023 recipient of the Jay Apt Scholarship. The scholarship is in recognition of her academic achievements, outstanding potential, and participation in sport rocketry. Jayla is currently attending Missouri Southern State University in their pre-med program. We are all proud of you Jayla.

2023 KOSMO LAUNCH CALENDAR

***NIGHT FLIGHT – NOVEMBER 11*- LOW/MID POWER FIELD – HUTCHINSON KS – STATE FAIR GROUNDS PARKING LOT- SPORT FLIGHTS BEGIN AT 2PM WITH LIGHTED ROCKET LAUNCHES AFTER SUNSET USUALLY CONCLUDING ABOUT 6PM. NIGHT ROCKETS MUST BE LIGHTED THROUGHOUT THE ENTIRE FLIGHT.**

The parking lot at the State Fair grounds in Hutchinson is our low/mid power field. We do limit flights to Class 1 rockets (which generally means up to a G impulse motor max) that can reasonably be expected to stay within the bounds of the field. (this is at the discretion of the range safety officer)

WITH KANSAS WEATHER OUR LAUNCHES ARE CERTAINLY SUBJECT TO CHANGE. UPDATES CAN BE FOUND AS THE DATE APPROACHES ON OUR CLUB'S FACEBOOK PAGE, OUR CLUB EMAIL LIST, AND OUR CLUB'S WEBSITE.

***KOSMO ANNUAL MEETING* – JANUARY 20 OR 27 2024 - (FINAL DATE TO DETERMINED SOON) – MEAL BEGINS AT NOON AT THE HOME OF STEVE AND JANET HAMOUS IN WICHITA – MEETING BEGINS ABOUT 1PM AND CONCLUDES AROUND 3- BRING YOUR RECENT PROJECTS TO SHARE – ELECTION OF OFFICERS FOR 2024- SETTING OF LAUNCH CALENDAR FOR THE YEAR – SELECTION OF COMPETITION EVENTS FOR KRAMO 44 – PRESENTATION OF TRAVELING TROPHY - DISTRIBUTION OF MODELS FOR *KIT BASH CONTEST – AND MORE!* DETAILS IN THE NEXT ISSUE OF "the KOSMOanut"**

"The KOSMOnaut" is published bi-monthly by the *Kansas Organization for SpaceModeling* NAR Section #427. Hard copy subscriptions are $8 for 6 issues. Membership in KOSMO is $15 a year and includes the "The KOSMOnaut" (please specify hard copy or digital) and all club launch fees except for our annual contest KRAMO. Newsletter editor is secretary Duane Lanterman. Submissions are always welcome! Membership and subscription checks should be made out to KOSMO 642 N. Homestead Rd. Great Bend, Ks. 67530