



the KOSMONAUT

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3RD TIMES THE CHARM

Thanks to those in attendance for the launch log this information is based upon

After 2 disappointing weekends of delays, due to the unpredictable Kansas weather, the third attempt at our Final Frontier Fun Fly took place at the Lanterman Family Farm outside of Ellinwood, Ks. Several of our regulars were absent but that did not detract from the action which featured 34 launches including 5 Level 1 HP certification flights and a Jr. HP certification.

All the cert flights were successful. RT Clark made the long haul from out in the open spaces of western Kansas along with this dad and that flight is chronicled on page 3. The other 5 certs made another long haul this time from the eastern part of Kansas as Jayhawk HP Rocketry NAR Section #900 based Lawrence, Ks. brought their outreach coordinator and Prof. Dr. Brian Kaplinger and 4 engineering students. This kept our KOSMO cert team quite busy between checking the rockets prior to and after flight and completing the required paperwork. Steve Saner part of that team recalls, "I was quite impressed with the group from KU and with how engaged they were in the process and their desire to learn the right way of doing things. They didn't even seem to mind the hour spent in the milo field looking for one of the rockets." KU students certifying were: Daniel Owen, Zach Rhodes, Brendan Smith, and Wyatt George along with Prof. Kaplinger.

Robin and Brad Smith made the journey from Leavenworth Ks. Among their flights was Brad's unique *Uranus Probe* and Robin's beautifully finished *Joker* and *Hello Kitty*. Their grandson Nate was a busy young man with 9 flights including quite a number of launches with his Baby Bertha.

Jeremy Lepel was out for part of the morning launching 3 of his models including his SpaceX Falcon 9.

Dustin Wyant showed up the later part of the day as he was involved with his kids in 4H archery but found time to launch his Blackhole on a I205.

Bob Wingate drove in the night before from Independence Mo staying with the Lanterman's and flew some classic models: a NuWay Mark 4, FSI Voyager and Viking 1, an Estes Broadsword, and an Estes Goblin.

Zac Twigg burned some propellant with his self designed Bumble Bee on an H 195 and then kicking it up a bunch with his LOC Goblin (which he won at the raffle at the National Sport Launch in Colorado this year) on a K400 to approximately 5000 feet.

Bill Lindsay flew several rockets including his Concept 54 on a G80 and his Lotus 3 on a H283. This model had flown perfectly with the same motor earlier this year and this time it decided to do a loop after gaining a fair amount of altitude. Bill was reunited with his LOC Goblin that afternoon. (see story page 4)

*Random Photos from FFFF- Launch photos Zach Twigg
Group photo by Jayhawk High Power Rocketry*



**FINAL FRONTIER FUN FLY
GOOD CLEAN FUN @ MACH 1**



CLARK CERTIFIES JR LEVEL 1 HP

by Kristie Clark

On Sunday Sept. 25th on the Lanterman Family Farm outside of Ellinwood Ks. under a clear, calm almost October sky, RT Clark launched a model rocket that completed his NAR Junior Level 1 High Power Rocket Certification. The NAR Section KOSMO awarded RT their 2021 certification scholarship. Certification involved building, launching, and retrieving a high power rocket, as well as passing a written examination - one RT scored 100% on. RT would like to thank all his fellow KOSMO members, but specifically Steve Saner, Dustin Wyant and Keith Ravenstein for all their support and mentoring. "Hobbies help build character and define who you are," RT said. Aeronautical engineering students from KU along with their professor Dr. Brian Kaplinger were on site for the launch and all 5 of their students certified later in the day.



RT poses with the proven KOMSO Club Rocket Version 2



Prior to flight RT poses with Steve Saner, KOMSO Sr. Advisor, Contest Director, and Webmaster



JOYOUS REUNION ! It was the last launch of Rocket'tober in 2019 and Bill Lindsay's LOC Goblin lifted off the pad into the sky. We all watched the big pink chute open and it drifted off to the north. All seemed good but after a few people reported that they could not find the rocket, most everyone at the launch joined in looking - and looking and looking – looking for over an hour to no avail. Bill sent a pilot friends in the area to look for the rocket but no joy. Over the next several weeks local rocketeers looked around the area with still no Goblin in sight. Fast forward to 2021 and as we were preparing for our Final Frontier Fun Fly Duane Lanterman contacted one of the nearby land owner's about the upcoming launch and learned that he had found the rocket sometime ago while cutting beans and it had settled down in a waterway that made it hard to see. Bill is holding his old friend in these photos. The tube has a pretty nasty crimp in it but with the help of Steve Saner and the maker shop in Wichita the model will fly again. Love the smile Bill. It's good to see you back with your old friend.



DR. BRIAN KAPLINGER COMPLETES HP LEVEL 2 REQUIREMENTS

Back on Sept. 25th 5 members of the Jayhawk HP Rocketry group achieved their level one status and almost one month to the day their outreach coordinator Dr. Brian Kaplinger returned to our high power field to capture his Level 2 status. Using the same Jaywalker model but with a J424 as propulsion this time he completed his written test on the field and then loaded up his model for a beautiful flight. Congrats to you Brian !!



BACK IN ELLINWOOD FOR ANOTHER LAUNCH !

“ROCKET”TOBER” much like the **“FINAL FRONTIER FUN FLY”** had to rely on its back up date, but the weather proved to be quite acceptable. The temperature was above average reaching 80 degrees in the afternoon on this late October date.

Bob Flagle made the long haul from Nebraska and brought some of his recently finished Gooney replicas. Finally the weather and his schedule allowed him to join us. It was good to have him with us.

RT Clark along with his brother, friend, and mother made the journey from Garden City. RT had certified Jr. Level One a month ago and made another successful HP flight with the same model.

Jeremy Lepel brought some of his sport scale models and Estes rockets turning in some fine flights.

President Keith Ravenstein wasn't so busy doing certifications this time and managed a couple of nice flights including his Illudium Q-36 Explosive Space Modulator on a H 195. Keith was decked out in his Marvin the Martian head gear. “Oh, goodie” says Marvin.

DJ Wyant launched several Estes models including his nicely finished Olympus. His dad Dustin made a number of flights including a dual deploy launch of the KOSMO Club Rocket version 2 and his Mach One Blackhole establishing a personal record for him at 6033' on a I205. The GPS onboard certainly aided in recovery.

Duane Lanterman returned to the field after attending his daughter's wedding last month and enjoyed a number of successful flights including his 1980's era ACE Mini Allegro on a cluster of 4 C6's, and his Steampunk version of the KOSMO Club rocket version 3. Duane's grandson Cody launched several of this rockets and then spent time recovering rockets and sticking around to help tear down the equipment. He had a great time !

Wayne Cook joined us for the afternoon with his kids Laken and Allison. Allison launched a fly it/take it rocket and Laken launched his 4H rocket. Laken needed to measure the altitude of his flight and without a altimeter small enough to fit or an Estes altitrack on hand retired teacher Steve Hamous acquired a protractor and with the help of others in attendance managed to produce a working instrument and do the math !

Bill Lindsay brought out a number of models including one he had purchased that was completely 3D printed and his Argent dressed in KU Jayhawk attire.

Finally, Dr. Brian Kaplinger launched his Jaywalker for a successful Level 2 cert. You can read more in detail on page 4 of this newsletter.

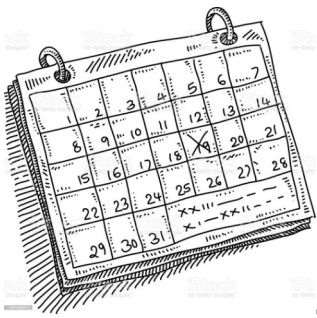
Sharon Lanterman brought out some delicious pizza shortly after noon that was purchased by the club and everyone had plenty. All in all a good day and fun times !



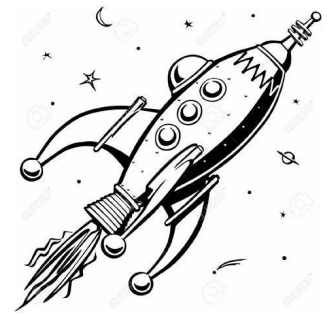
ROCKETTOBER PHOTOS



*Just a sampling of the fun at "Rocket'tober"
A classic display of fire, smoke, speed, and noise !*



2021 KOSMO LAUNCH CALENDAR



The launch season is just about over folks but there's one more to go !

NIGHTFLIGHT - NOVEMBER 13 - HUTCHINSON- STATE FAIR PARKING LOT - 2PM BEGINS SPORT LAUNCHING WITH NIGHT LAUNCH AT SUNSET. NIGHT ROCKETS MUST BE LIT DURING ENTIRE FLIGHT. If weather is inclement we will still meet at 2pm and find a spot to visit and talk shop.

Latest info can be found at our clubs website, facebook page, and email list.

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the "Rocket'tober" crew