



the **KOSMONAUT**

THE OFFICIAL JOURNAL OF THE KANSAS ORGANIZATION FOR SPACEMODELING

August/September 2022

Volume 41 No. 4

KOSMOⁿaut's BEAT AUGUST HEAT WITH MORNING LAUNCH

By Duane Lanterman

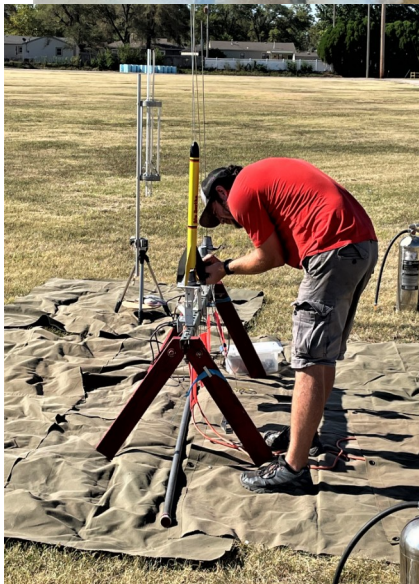
About two months had passed since our last club launch so it was certainly good to see everyone at our Hutch low/mid power field. We had scheduled this August launch for the morning as afternoon's in Kansas this time of year can be quite hot and this summer has been particularly hot and dry! Besides our regulars we were joined by Austin Streit who joined the club this spring and Luke Dyson rejoined our club, so it was good to see them both. The Lanterman's grandson Cody made his first appearance at a launch outside of Ellinwood.

Bill Lindsay, Jeremy Lepel, and Austin put up the majority of flights. There were 25 flights in all over the 3 hour morning window. Motors ranged from A to E with Zac Twigg firing the lone G with his Cool Spool. (always entertaining) We had plenty of pop-ups to provide shade and there was lots of shop talk going on throughout the morning. Everyone seemed to have an enjoyable time. Quite a few members will be attending AirFest in Argonia Labor Day weekend and then the focus will shift to KOSMO's high power field in Ellinwood .



AUGUST SPORT LAUNCH AT STATE FAIR GROUNDS PARKING LOT

FRONT COVER PHOTOS: Cody Lanterman, Fred Smith, Austin Streit, Duane Lanterman, some of the crew at Aug. Launch **THIS PAGE:** middle row – Zach Twigg and Jeremy Lepel

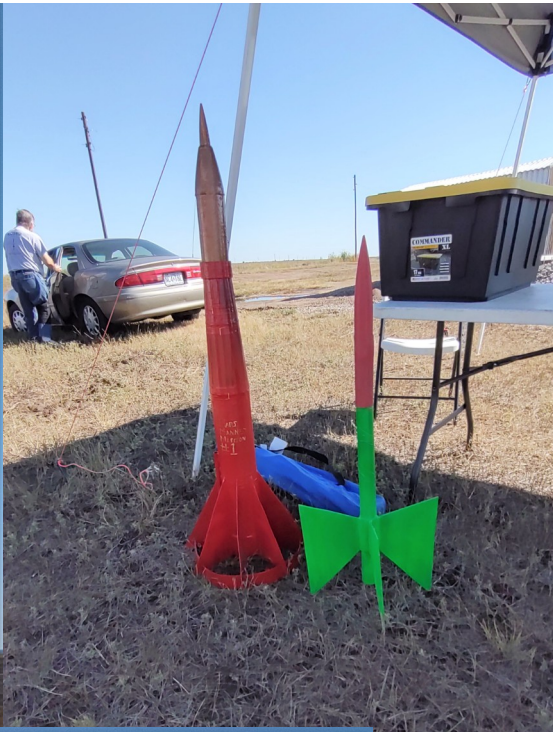


FINAL FRONTIER FUN FLY 2022 EDITION

The 2022 edition of our original high power meet took place on what was arguably one of the nicest days we have had. The winds were almost non existent during the day. Gabriel Shankar achieved his Jr. Level 1 status and Jeremy Lepel received his Level 1 certification as well. Other fliers included Bill Lindsay, Steve Saner, Duane Lanterman, Bob Wingate, DJ Wyant, and Broeden Shipley. In place of a detailed report we will let you enjoy two pages of photos from our field in Ellinwood, Ks.



FINAL FRONTIER FUN FLY
----- PHOTO GALLERY



The following article and photo are courtesy of the **Montgomery County Chronicle**. The editor is *Rudy Taylor* who in June of 2021 launched a rocket at the memorial service of Joe Warnock and who as a 3rd grade student learned about rocketry from Joe. Joe was a founding member of KOSMO in 1980 and as you will read, Joe Warnock's influence continues even today and into the future, truly paying it forward.

MEMORIAL DAY WEEKEND PACKED WITH EVENTS - The "Wright Stuff" in Caney By Rudy Taylor

Students in Adam Wright's fourth grade class at Caney's Lincoln Memorial Elementary School ignited a series of model rockets on Monday at the Caney Valley Recreation Athletic Complex on West Sixth Street. Wright said the event allowed students to design and assemble their own model rockets while also learning about aviation and space exploration. For Wright, the event held special meaning. As a Caney grade school student himself, Wright recalled the annual Third Grade Rocket Day led by the late Joe Warnock, who was a longtime educator and aviation buff. Wright said he hoped Monday's assemblage of young rocketeers will spur excitement and return the school to the exciting days of Warnock's Annual Rocket Day, which, he said, was always among the most anticipated events of the school year.



Reflections on “Yet Another NARAM”??
Mark Johnson NAR #14025 SR L1 50 Year Member

NARAM-63 has, as they say, ‘come and went.’ My own decision to go to NARAM, even though it was only 3 hours away, and in my adopted home state, wasn’t final until 3 days before. We all know why – Mr. COVID just isn’t going away, no matter how much we would like it. I have now lost count of how many national meets I have attended – I’ll just say “all but about 3 since 1985 and NARAM-27.” Each one is a unique experience; in general, the old rule that “A bad day launching rockets beats the heck out of a good day at the office” is still true for me.

On to the real story: I loaded up a trunkful of model and HPR rockets on Saturday and headed for Springfield. I even brought my venerable North Coast ASP out of its semi-retirement as a conversation starter in my office at Mizzou...you’d be surprised (or maybe as rocketeers, you wouldn’t) about the kind of wide-eyed looks you get when a visitor sees a 7-foot long, orange and black rocket in a college staff office. I wasn’t going to fly competition – in fact, I only walked over to the contest range once in 4 days, but I brought along some models that looked like fun. Upon arrival, I located my “Aluminet City” friends and parked myself in the tent area, then set off to register and see who was there. The day was roasting-hot, but the sun was shining and rockets were flying from both ranges – the Internats folks were busy with the combination North Coast Cup / US Team Flyoffs event – which I later learned featured more competitors than NARAM itself – it seems that there is a powerful attraction to the idea of qualifying to represent the USA in a World Championship. Even though I am mostly retired from competition, I understand that. On my first day, I flew my Super Big Bertha on a D12-3...some may remember the old Estes catalog ads for the ‘original’ Bertha – “Slow, Realistic Liftoffs” – and it certainly was; the flight was perfect with a nice recovery on its big nylon ‘chute – actually got some applause from spectators.

Next day, Sunday, was another hot one, with clouds and some brief, light rain showers around mid-day. It never rained hard enough to shut everything down and send us back to the motel, but there was an hour where not much got into the air. At mid-afternoon, we gathered our ‘Rick Gaff Memorial’ event, which featured 7 rockets in succession, all but one of them built by Ric and retrieved from his house by Bob Kaplow. In the final launch of that rack-load, we not only honored Ric Gaff, we launched him. A very small portion of his remains was used as ‘parachute powder’. Godspeed, old friend! All 7 went off without a hitch – all stable, all safely recovered, and no misfires. A word here about the field: 3000 acres of cow pasture, slightly rolling, with a couple of ponds (about which more in just a bit) – and the owners were gracious enough to take the cattle off the field several weeks before the event, so that there weren’t any fresh ‘cow pies’ on the menu. The only drawback was that it was 40 miles/45 minutes from the host hotel to the field. I looked at road signs and the map, it turned out that Carthage and Joplin were actually a shorter drive. But, for such a huge field, it was well worth the drive.

On Monday, the contest range switched over to regular NARAM flying, while sport flying continued – with the addition of some FAI-qualifying Scale model flights from the sport range. On this day, I cranked up my KOSMO club rocket on an AeroTech G74-6 for a nice flight. The G74 is a ‘baby G,’ at about 85 N- sec, but the flight was a good one, again not much of a walk to recover. Later in the day, I launched my Astrobee 1500 scale model, only to have it find one of the two ponds on the huge field for a splashdown recovery. Just my luck, I guess. By the time I could walk the 500 yards or so to the pond,

the bird had been blown by the wind to the far side of the pond, where a chorus of bullfrogs guarded it until I could come pick it up. No swimming for this country boy!

Tuesday was my last day on the field. By the end of that day, I'd had enough hot weather to last for a good long while. During the day, I put up the ASP on an H165 Redline motor – first time I have tried that propellant recipe. It made a nice flight (see pictures) marred only by the 'chute getting wrapped around the body and not deploying. Fortunately, the whole works fell down sideways and was undamaged. It turned out to be a good way to close out my flying for the week.

Other impressions: It's always good to see old friends – Stew McNabb, who has been to several KRAMO launches over the years, was present all week with his new 'retirement' venture, S&S Hobbies – offering Aerotech and Estes motors and supplies. Contest Director Chad Ring, with his Indiana and St. Louis crew, did a good job of putting together a fun week despite the heat and humidity. There were a few rough spots – there were some long waits for the model rocket racks on the sport range, which isn't much fun when it's 98 degrees in what little shade is available. Most of the time, though, those waiting times were also accompanied by good conversation, which is one of the main reasons I still go to NARAM anyway.



Mark Johnson, Ed Chess, Bob Kaplow, Joyce Gusik – "Gaft Lofting"

Photo Credit – Tom Beach



Lift off of the ASP. photo credit Tom Beach



Mark poses with his ASP. photo credit Tom Schweim



KOSMONaut's Jeremy Lepel and Mark Johnson @ NARAM 63

KOSMO 2022 LAUNCH CALENDAR

OCTOBER 8 – Ellinwood, Ks.- Lanterman Family Farm- Rocket'tober
10am-5pm – 10,000' FAA Waiver – Club will provide Pizza for lunch
Alternate date October 22

NOVEMBER 12 – Hutchinson, Ks. - Ks. State Fair Grounds Parking Lot – 2pm with illuminated rockets after sunset

New Event - DECEMBER 3- KOSMO/SLRA Apollo 17 Reenactment Night

This will take place weather permitting at our Ks. State Fair Grounds launch field. The Cosmosphere in Hutchinson is celebrating the 50th Anniversary of the Apollo 17 mission. Beginning at 4:30 members can launch sport scale models of various kinds. At approximately 5:15 Dave Kovar of SLRA will reenact the Saturn/Skylab mission with his scale like pad and rocket. This will be followed by some sport night launches by members of our club and the evening will wrap up with a Apollo 17 night launch using his LED lit Saturn V. John Palmer (KOSMO/DARS) will be on hand to assist with the evening.

++ 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)*

At Ellinwood we will file an FAA waiver good to 10,000 ft above ground-level. Generally speaking, this will allow up to a K impulse motor. Note that you must be properly certified, or be getting your certification, to fly high power rockets. If you would like to get Level 1 or Level 2 NAR certification, we have members that can help you with that. Please contact us if you have any questions. While high power rockets are allowed at this launch, most flights tend to be of low and mid power rockets. So do not hesitate to join us even if you are not flying high power.

WITH KANSAS WEATHER THESE DATES ARE CERTAINLY SUBJECT TO CHANGE. UPDATES CAN BE FOUND AS THE DATES APPROACH ON OUR CLUBS FACEBOOK PAGE, OUR CLUB EMAIL LIST, AND OUR CLUB'S WEBSITE.

"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 the current KOSMO secretary Duane Lanterman. Submissions are always welcome! Membership and subscription checks should be made out to KOSMO and mailed to KOSMO 642 N. Homestead Rd. Great Bend, Ks. 67530

KOSMO club president Keith Ravenstein participated in Airfest over the Labor Day weekend in Argonia Ks. Keith flew successfully a Wildman Competitor 3 named "Prozak". Using a M1297 for motivation it reached 19,096' and recorded a top speed of Mach 1.89. The flight included dual altimeters, dual GPS tracking, and a radio tracker. Congratulations Keith on an AWESOME flight !

