



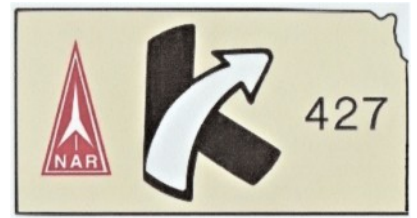
CELEBRATING 45 YEARS AS AN NAR SECTION

the **KOSMONAUT**

OFFICIAL OF THE KANSAS ORGANIZATION FOR
SPACEMODELING

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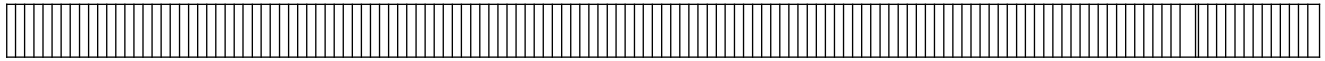


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FINAL FRONTIER FUN FLY COVERAGE

Front cover – Austin Streit stands next to his Level 2 Iris 4 with bright red paint job. The other photo shows its picture perfect flight on a J250! Congratulations!



Left to Right- Steve Saner, DJ Wyant, Dustin Wyant, Zac Twigg, Keith Ravenstein, Carol Bailey, Austin Streit, Doug Bailey, Duane Lanterman



DJ Wyant's Estes Comanche 3, a classic kit for sure. All stages recovered but the third stage failed to deploy its recovery system.



Duane Lanterman's upscale of the Estes Courier leaps off the pad.



Doug Bailey's beautifully finished 3 motor cluster rocket. With a spot on flight Doug finishes his next level in the NARTREK program.



Steve Saner safety checks Austin's cert rocket after he successfully completes the written test.

FINAL FRONTIER FUN FLY – Our oldest high power event took place again in September and was greeted by calm winds and clear skies. It was the first time the Bailey's were at our high power field and Doug made good use of the open spaces. Austin Streit achieved his Level 2 certification (see front cover) and several other high power flights took place. DJ Wyant took the hard luck award as the Estes Comanche 3 flew great but failed to deploy its recovery system on the 3rd stage. He then brought out the expert level two stage Vogel model. It's a tight fit on the boosters parachute but that deployed without incident. (Estes's first parachute recovery booster) The rocket may have bound a bit as it has 4 rail buttons causing it to veer off a bit towards the milo field. The payload section had a tracker thank goodness but the fin section was not found. It appears that elastic shock cord between the fin section and payload had sheared. DJ is going to build a new fin section and use Kevlar next time out.



Zac Twigg's "Split Personality" so named for its carbon fiber body and ultra cheap nose cone flew well.



DJ Wyant with his challenging Vogel 2 stage model.



DJ's model heading into the dreaded milo field across the field.



TECH IN THE FIELD - Keith Ravenstein preps the wireless high power launch system sitting near our well used wired launch system.



TECH IN THE FIELD - Dustin Wyant checks his Communication Specialties Radio Tracker. This enabled them to find the Vogel payload section in the milo.



TECH IN THE FIELD - Zac Twigg's ground station with built in windows for his fluctus base station and a ipad pro mount that does a live feed from his "smarter rockets."

HOW TO DISASSEMBLE A SATURN V IN A HURRY

POSTMORTEM AS CONDUCTED BY JOHN PALMER

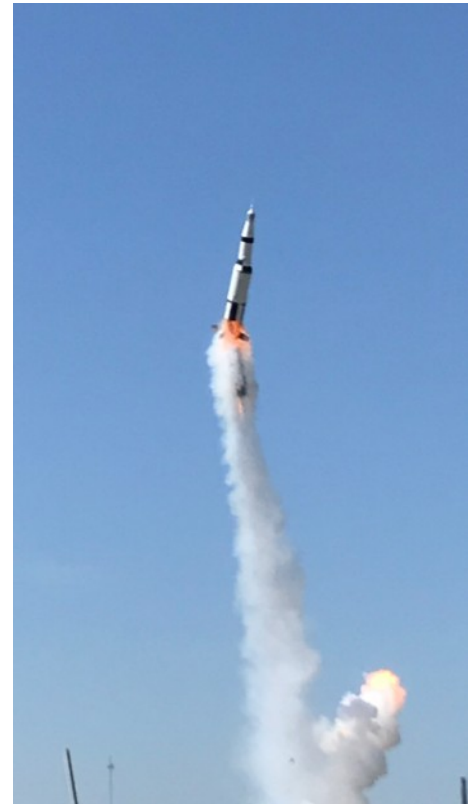
At a recent Dallas Area Rocket launch John Palmer (KOSMO and DAR member) put his Saturn V on the pad ready again for a 3 stage flight over the Texas field. In stage one was a single D12 surrounded by 4 C5 engines, stage two a single C11 and the third stage a B6. Milliseconds after the launch button was pressed two of the C5 experienced CATO's and the destruction began. This is John's description of the carnage

Stage One – Two fins broken, one motor mount broke loose, two chutes melted.

Stage Two – Lots of burn, motor mount broke loose, body tube burned. I scraped off the char and sanded the fins so not too badly damaged. Melted 4 rubber bands on pop out fins.

Stage Three – escape tower destroyed, transition wrap cracked and torn a little. The coupler that connects the 2nd and 3rd stage was ripped off but reusable

As we go to press, John who we affectionately call *Mr. Scale* or *I can fix it* already has the Saturn V ready to fly the next time the weather cooperates. Can't keep a good rocket down John!



WHERE ARE AMERICA'S ASTRONAUTS? WHY RURAL KANSAS OF COURSE!

Compiled by Duane Lanterman from notes from the *Advocate*, Byron Guise editor as best as can be determined

This summer my brother Robert and his wife made a trip into Nebraska and on the way home stopped in Waterville Kansas to see the towns historic hotel. During their stay my brother was approached by a gentleman who used to work at the hotel and seemed very interested in sharing some of the local history. He gave my brother a two page story and a glossy 8X10 photo of some famous people. The eleven people in the photo were some of the most famous people in America in the mid 1960's. They were America's astronauts!

The photo and story take place about 20 minutes east of Waterville in another small Kansas town, Frankfort. "A good sized measure of America's leadership in science, engineering, and national defense was in Marshall County early this week. "Instead of shooting for the moon, their target was quail."

It seems the astronauts had been hunting antelope in Granby Colorado at the Ranch of Mr. And Mrs. King, Present at the hunt was Larry Hughes, a retired FBI agent and Kansas Highway Patrol superintendent , who each year hunts on the Horigans farm outside of Frankfort Kansas. He usually brings some interesting guest. At this Granby Colorado gathering there was a discussion of bringing the astronauts out to rural Kansas to the Horigan farm to quail hunt. The Hoigans were present as guest of the Kings at this gathering.

And so on Sunday night November 19th the Kings flew their 11 passenger jet to Forbes Air Force Base in Topeka to pick up six of the astronauts who had left Dallas earlier in the day. Five other astronauts had been been at a shooting match in Broken Bow Nebraska and decided to join the other 6 for a day of quail hunting. And on November 20 1967 the eleven astronauts joined by others in the party spent from 9:30 in the morning until dusk roaming through the fields three miles north of Frankfort at the Horigan farm. "The astronauts wore boots, hunting jackets well stocked with shells and camouflage jackets or plaid shirts. They had bagged slightly less than the legal limit."

"While Air Force Colonel Borman was hunting quail, an announcement was made at the Space Center that he would head the second crew of the planned mission on the Apollo Lunar landing program."

"The hearty appetites of the hunters were appeased at noon with ham sandwiches, potato chips and gallons of coffee by Mrs. Marilyn Horigan." The astronauts took time to transform from hunters to American heroes to sign autographs for the three Horigan children and the two Mueller kids.

"As twilight settled over the rolling farm land and the pink residence of the Horigans dimmed in the darkness, the astronauts who had spent a day incognito in fun, returned to Topeka by cars for their flight back to the NASA Center in Houston."

Sentences in quotes are taken verbatim from the papers handed to my brother Robert.

Nine of the eleven in this photo. Left to Right, front row: Ron Evans, Edwin Aldrin Jr., Gordon Cooper, Charles Duke. Back row: Neil Armstrong, Stuart Rossa, William Andres, James Lovell, D.K. Slayton. Not pictured: Frank Borman, Michael Collins already on their way to Topeka.



Rocket'tober Delayed and then Canceled

Our other high power flight of the Fall season is Rocket'tober and this year it was wind on our scheduled date and a steady rain on our back up date. President Steve Saner has done an excellent job trying to get in all our launches and this was the first of the year that didn't happen, although several were on back up days. In Kansas, and maybe your state too, the forecast on Monday can be vastly different than the reality on Saturday and so launch week can be strenuous updating members throughout the week. We have members spaced very far apart and so we don't want members driving for an hour or two only to find we aren't launching. Other than this factor launch week is always highly anticipated.

LAST LAUNCH OF 2025

NIGHT FLIGHT

NOVEMBER 8

HUTCHINSON STATE FAIR GROUNDS PARKING LOT

2 PM UNTIL 6PM

AROUND SUNSET WE WILL LAUNCH NIGHT ROCKETS

ROCKETS MUST BE LIT DURING THE ENTIRE FLIGHT

APPROXIMATELY 4: 45 THE CLUB WILL PROVIDE PIZZA TO ALL IN ATTENDANCE

This is our low/mid power field and all flights must reasonably land within the field boundaries



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