



# *the* KOSMONAUT

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**INSIDE THIS ISSUE: FINAL FRONTIER FUN FLY COVERAGE  
PROJECT APOLLO - 3 STAGES OF FUN  
SUMMER ROCKET CAMP  
NIGHT FLIGHT COMING UP SOON!  
And more**

*Front cover: Top Left: Austin Striet's Micro Magg leaps off the pad on a G80. Top Right: Duane Lanterman's Star Orbiter on a E35. Bottom Left: Duane's self-designed two stage with a F15 in the booster. Bottom Right: Steve Saner's El Dialbo prior to it's J270 launch.*

## FINAL FRONTIER COVERAGE

Duane Lanterman reporting

Since our high power launch dates in March were all weathered out, it was the first time this year at our club launch that the larger rockets could have some fun. The day turned out to be quite pleasant and everyone that attended had a good time. Shortly after noon club member Rick Calvert came out to the field with pizza's from the Hut. Rick works in delivery and production at the local establishment, donated the pizza and asked for a dollar a slice. \$52 were deposited in the club's kitty for future expenses. Thanks Rick! All flights landed safely during the day, but Steve Saner's high power flight had a slightly different profile than planned and it drifted back in and landed on some power lines. A call was made to the local power company and within an hour and a half or so and the truck arrived safely returning the rocket to Steve. Enjoy this selection of photos taken by Dustin Wyant and Duane Lanterman.



Fred Smith (above) and Austin Striet prep their models mid morning of the launch.



Steve Saner readies has "J" powered model in his "pit stall"



THE "FINAL FRONTIER FUN FLY" CREW





*Steve Saner's "J" powered flights rips off the pad.*



*Austin Striet's fiberglass Tycho II with a D16*



*Duane Lanterman's Maxi Vega on a memorial flight for Ron Thomason*

## *Taking flight at FFFF !*



*Rick Calvert brought the HUT to us*



*Keith Ravenstein preps his Planet Probe. it went "boom" on a cato.*



*Mid-West Energy comes to the rescue.*



*Cody and Parker Lanterman brought several rockets to fly*

## ANNUAL SPACE CAMP IN WICHITA

Each June and July KOSMO-naut Steve Hamous holds a rocket camp at the EAA#88 headquarters at Jabara Airport in Wichita. This year was no exception and it's a busy, educational, and fun time for the kids. Steve always has some help but would always welcome more adults to assist. This past September 1st at the EAA flyin Steve promoted next summer's camps and the kids enjoyed the event including flights through the EAA Young Eagles Program. Thanks for all you do Steve.



MATTHEW ATKINSON 1988-2024

It is with a heavy heart that we report the passing of a former KOSMO-naut, Matthew Atkinson. Matthew and his family were active with KOSMO a number of years ago and were especially active in 4H rocketry and other related activities. . Matthew died Oct. 19th in a car accident. He lived in Columbus Ks. where he was a successful farmer on a 7th generation farm. Matthew is remembered for always watching out for others. Many people in his community recognized his kindness and generosity. Matthew is survived by his wife and three children, his dad, mother and 2 sisters. Those of us who knew him and his family send their deepest sympathy to family and friends.



*Matthew last November giving a presentation on rocketry to members of the Cherokee Camp. Then outdoors to launch rockets to the kids delight.*



*Early photos of Matthew at KOSMO launches.*



## Saturn V 3 stage project

By John Palmer – KOSMONaut and DAR member

I inherited an old Saturn V prebuilt kit from our “Stash” here in Dallas and I decided to strip it down and make it into a 3-stage project. Many of my Kosmonaut friends have seen me fly my two-stage scratch build but I wanted something that looked better, you know more scale. I started by sanding the rocket since the decals had yellowed and the paint had faded and I didn’t want the added weight of the paint. Then I needed to decide where to separate the first and second stage. In the past I feel I separated it too high so this time I staged at the bottom of the interstage instead of the top. Not to scale, but it works better and gives me more room in stage 2 for the parachute. The first stage will have 5 motors 4 -18mm and 1- 24mm. In the past the first stage did not have a recovery system, since then, I have tried a variety of possible recovery techniques. I have decided to just have some of the 18 mm motors eject parachutes. We’ll see if that works. The second stage will have 1 - 24mm motor. The second stage is my standard flip out fins that were chronicled in *Apogee newsletter 313*. Using bass wood for my fin material. Stage 3 has the option of a 18 or 24-mm motor. I will probably use 18 mm since it will be way up there and I do want it back. Stage 3 will not have fins since the adapter shroud will provide enough drag to keep the rocket going straight. Whoever had this kit before filled the Apollo capsule with some very heavy substance that my old drill bits did not punch through. I needed to create an escape tower and I drilled into the capsule but did not get very far. After putting a new coat of paint on and decals the rocket started coming together. The weight in the capsule was a blessing in disguise as I will not have to add more weight to get the stability correct. Let’s hope all the engines light and all the parachutes come out! If the weather cooperates, I am planning on launching at our December launch in Gunter Texas.



FULLY STACKED



STAGE ONE



STAGE TWO



STAGE THREE

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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

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### Late news on TARC Alumni member

Please keep Natalya and her family in prayer. Natalya is an alumni of the Wichita Area TARC Team and always put smiles on everyone's faces. 🙏 (Bill Lindsay)

*Update from her mom* -This afternoon (10/30/24) we were informed that our youngest, Natalya, 13 yrs old, has been diagnosed with Acute Myeloid Leukemia. She will begin chemo treatment hopefully Friday. She is in fairly good spirits, but has a fever that just won't go away! She is also nauseous and doesn't have much of an appetite. When seeing my tears as we were told the news, she said to me, "It's ok, Mom. God's in Control!" Oh, the faith and wisdom of a child! I am begging for prayers for help and healing. Nothing is beyond Him. Please pray with us!!!

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### *THE LAUNCH SEASON IS ALMOST OVER* COME ON OUT TO NIGHTFLIGHT IN HUTCHINSON

Our Low/mid power field

**SATURDAY NOVEMBER 9**

**SPORT FLIGHTS BEGIN AT 2PM LIGHTED ROCKETS TOWARD SUNSET**

**(haven't finished that club kitbash rocket? Perfect time to bring it out)**

**IN CASE OF UNFAVORABLE WEATHER WE WILL STILL MEET AND FIND A PLACE TO VISIT AND EAT**

