



*the*  
**KOSMONAUT**

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**NIGHTFLIGHT CLOSES OUT SUCCESSFUL 2021 LAUNCH  
SCHEDULE**



## ***NIGHTFLIGHT IN NOVEMBER***

November is when our club usually schedules an afternoon launch which concludes with the launching of lighted rockets shortly after sunset. The date is usually the first Saturday after we set our clocks back. Unfortunately too many times the weather this time of the year has been too windy but this year the wind was well under our limits and each year the lighting on the rockets seems to get better. A total of 39 flights were made in the relatively short launch window and everyone seemed to have a fun and relaxing time. Mike Mitchell who flew with us back in the '80's has recently retired and he joined us on the field. We are hoping to see more of Mike in 2022.



**Nightflight Crew**



**Duane's Estes Argosy**



**DJ poses with an Estes High Flier while his dad captures the moment**

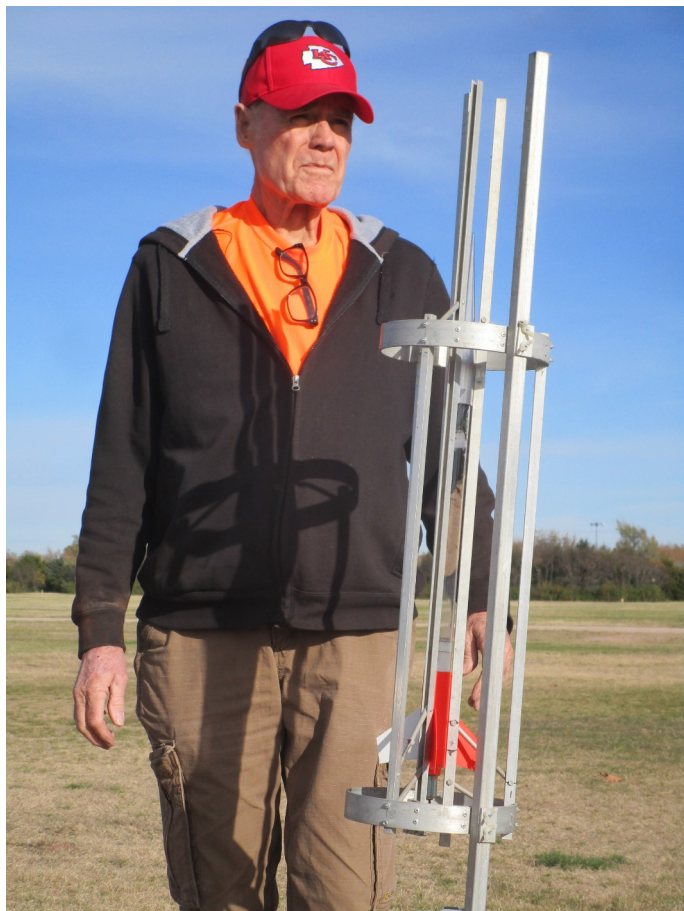


**Jeremy's nicely detailed EPM-010 lifts off at the Hutchinson field**



**Bill's beautifully finished and detailed candy cane looked better than it flew.**





**Fred had several nice flights out of his tower.**



**Dustin's Phoenix displayed a nice straight boost.**



**Mike Mitchell (L) flew with our club back in the '80's and recently retired. He is pictured with Duane who flew with him back in the day. Good to have you join us Mike !**

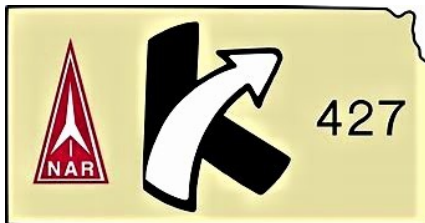
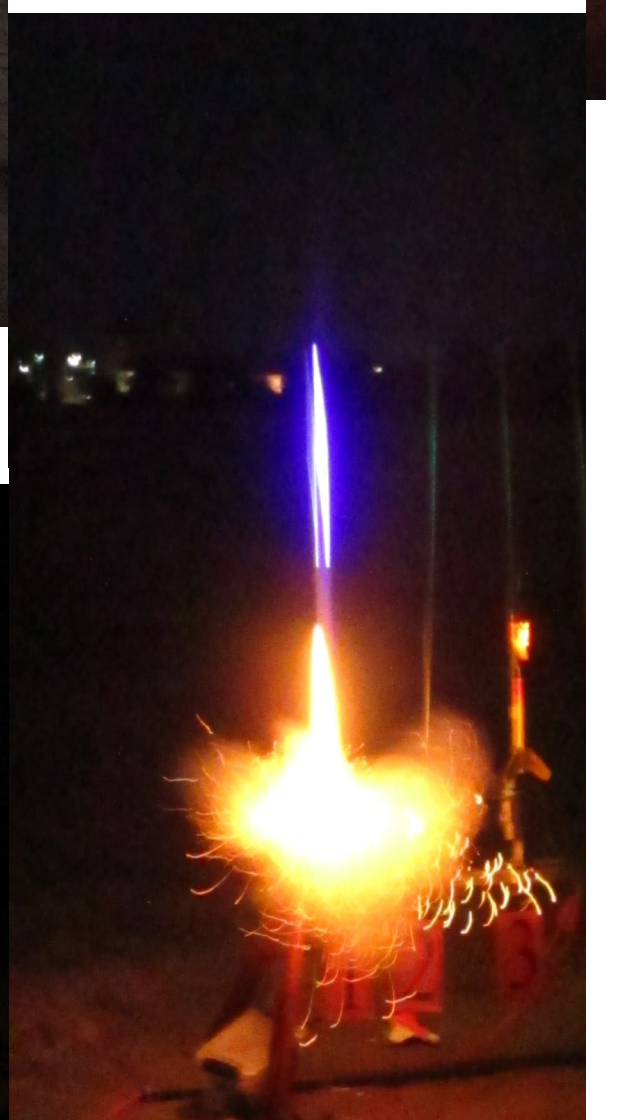
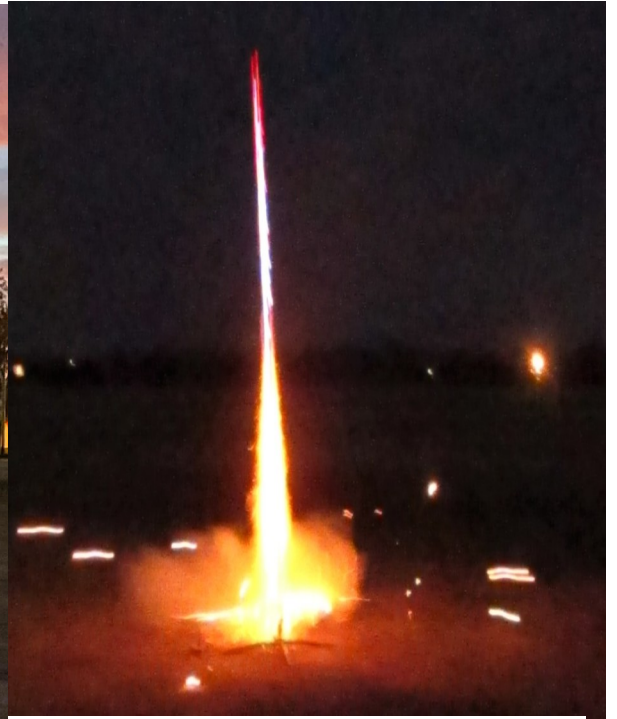


**Steve preps his scratch built dual deploy rocket powered by an F50**





**Bill's well lit Mean Machine !**



**VARIOUS MODELS LIGHT THE SKY !**

# 2021 WAS A BUSY YEAR FOR KOSMO

As recalled by Duane Lanterman

This issues covers NightFlight our November launch and as this issue goes to press shortly before the end of the year, I will take you on a journey highlighting some of what happened in the year 2021.

January started out with our annual meeting, for the first time taking place via Zoom, as the pandemic was in full swing. It was decided to purchase a commercial Pop Up for the club with NAR grant money and Steve Hamous was in charge of this acquisition. This purchase proved to be a good one for the club, making good use of it throughout the year. As has been our tradition, a junior member is nominated for the free NAR membership that the NAR makes available and if they are interested in pursuing a Jr. Level One HP cert, the club provides them with a KOSMO club rocket kit and purchases an H motor for them when they are ready. This year RT Clark of Jetmore was chosen. The Jan/Feb issue of "the KOSMONaut" celebrated its 40<sup>th</sup> year of continuous publication. Later in January six KOSMO members took in the 3 day NARCON which took place for the first time virtually and the Wichita Area TARC team began working on this years challenge.

Our March HP meets in Ellinwood fell victim to the early spring weather. We did have an opportunity to share our hobby by conducting a build session at the 4H Space Tech Day at Barton Community College.

Our first chance to launch came in April in Hutch and then 2 weeks later again at our Hutch field. 129 flights took place on those two Saturday's. At the second April launch Steve Hamous put together a wonderful BBQ meal for all in attendance and \$230 was raised for the TARC team. As the year continued the Wichita Area TARC team overcame many obstacles and ended up qualifying in the top 100 teams and advancing to the finals. With covid again altering live events the finals took place in 11 regional locations. The team traveled to Pueblo Co in June and although finishing "out of the money" their efforts were certainly successful. In August the TARC team received a major financial gift from the Dondlinger Construction Co. The TARC team received a lot of help throughout the year from quite a number of local business and KOSMONauts who gave of their time. Ka'lon Kirk certified Jr. Level 1 while out at Pueblo.

In April we gained new members Zach Twigg and Jeremy Lepel. Both of these new members became quite active during the year and became a big asset to the club.

Our May launch was weathered out but we took the opportunity to eat at the Anchor Inn in Hutchinson and talk shop. Five members of KOSMO traveled to Alamosa Co at the end of May to take part in the National Sport Launch. Zach Twigg earned his Level 1 certification at the event. Keith Ravenstein set a personal altitude record in the Colorado skies with a flight of 7000'. Steve Saner finally had a successful flight of this Sky Hogg in its airstart mode with an initial K to two J's. The flight was captured with an onboard video camera.

The first part of June, eight KOSMONaut's traveled to Independence Ks to pay their respects to one of the founders of KOSMO Joe Warnock. Joe had passed in November of 2020 and the memorial service was held at the Independence Municipal Airport. Joe's wife Peggy and many of the family in addition to community members and former students were in attendance. A rocket was launched in his memory and a missing man fly over by the local EAA chapter were part of the activities. A week later in June the 41<sup>st</sup> edition of our NAR sanctioned contest KRAMO was held over two calm days. Besides the competition flights there were 57 sport flights. Duane Lanterman was the overall winner, followed by John Palmer and Bob Wingate.

Jeremy Lepel was the lone KOSMONaut to attend NARAM on the East Coast and he competed in two events. We again gathered in August in Hutch. This was the first launch since long time member John Palmer had moved to Dallas, currently flying with DAR. We hope to see him back in Kansas soon. Kirk Zongker joined us in the afternoon and gave us a medical update on his quest to find a liver donor.

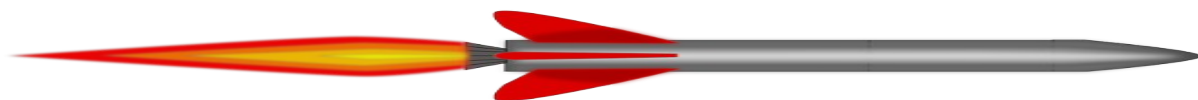


A number of KOSMO members took in Tripoli launches in Argoia Ks and Zach Twigg certified Level 2 at Airfest in September.

The end of September was our Final Frontier Fun Fly in Ellinwood. In addition to our regulars five members of the newly formed Jayhawk HP Rocketry group in Lawrence certified Level One. RT Clark, the recipient of our free NAR membership and club rocket kit successfully completed his written test, had a successful flight and gained his NAR Jr. Level One cert at FFFF.

Rocket'tober held in October at Ellinwood saw Dr. Brian Kaplinger of the Jayhawk HP rocketry certify Level 2 and Bob Flagle made the drive down from Nebraska to fly with us. Dustin Wyant cracked 6000' with his Mach One Black Hole for a personal record. Sharon Lanterman delivered Pizza Hut pizzas purchased by the club at noon, making her first appearance on the field since her heart attack in mid-July. November brought Nightflight which is featured in this issue.

At this point I'm about out of breath recalling all that happened in 2021. If you've read this far, you know we had a busy successful year. In addition to what was covered, club President Keith Ravenstein purchased with NAR grant money a new PA system and he finished building the new wireless launch controller that proved itself worthy at several of our year end launches. Bill Lindsay gave out 16 kits to young people during the year as he heads up our fly it/take it program. Wow, what a year ! What will 2022 hold? That we won't be able to report on until next December but things are certainly looking bright in the Sunflower State !



# KOSMO ANNUAL MEETING

**Saturday January 8<sup>th</sup> 2022  
Steve Hamous Residence  
2615 Wilderness Court  
Wichita, Ks.**

**NOON UNTIL 3PM**

**LUNCH WILL BE SERVED AT NOON**

(If it's not rockets, Steve's other passion is BBQ, need we say more !)

**Please bring a DONATION for the meal.**

**100% of the proceeds will go to the Wichita Area TARC team.**

**Partial Agenda -**

**Old Business**

**Election of Officers for 2022**

**Treasurer's Report**

**Establish Launch Calendar for 2022**

**Select Events for KRAMO 42**

**Nominations for free Jr. NAR membership**

**NAR Grant Money ideas**

**Show and Tell about your current projects**

**New ideas and suggestions**

**and more.**



**We promise it's not like this !**



**NEW THIS YEAR ! Please consider bringing a rocket kit or other cool item to be auctioned off immediately following the meeting. All proceeds will go to the Wichita Area TARC team.**

For updates on the meeting and directions to Steve's home check our club email list as the meeting date gets closer.

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