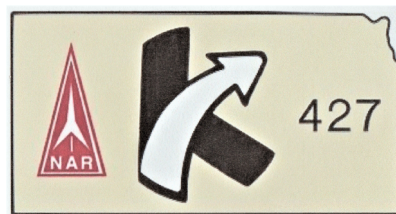


# *the* **KOSMONAUT**

**OFFICIAL JOURNAL OF THE KANSAS ORGANIZATION FOR SPACEMODELING**

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## **FOCUSING ON THE YEAR AHEAD**

Every calendar year KOSMO meets in January to hold their annual meeting and this year was no exception. The weather looked a bit iffy but the crew coming from the Great Bend area managed to avoid any issues in the snow heading into Wichita. Steve and Janet Hamous once again made their home available to us and the also provided a wonderful lunch of spiral ham, party potatoes, veggie and fruit trays and several delicious deserts. Members donated \$160 towards the meal and the Hamous's graciously donated the money to the Wichita Area TARC team.

13 members were attendance ( 3 joined by zoom). The meeting was called to order by President Keith Ravenstein and the minutes were read from the previous meeting and the treasure's report given. Next were election of officers and for the first time in awhile there were some changes in officers. Keith was in hopes in getting some new and younger officers in place. The club thanked Keith for 15 years of presiding over the club and later in the meeting he was presented the Traveling Trophy for is service. Listed below are the officers for 2023 -

President – Steve Saner

V. P. - Zac Twigg

Secretary – Duane Lanterman

Treasurer- Sharon Lanterman

SR Advisor/Webmaster- Steve Saner

RSO – Dustin Wyant

Contest Director – Jeremy Lepel

Historian – Mark Johnson

Keith reflected on the past year where he had enacted a written test for any member going for their Level One certification. The idea seemed to gain favor with in the leadership of the NAR but currently that has not changed on the national level. Displaying some level of knowledge before obtaining the cert just seems to make sense and hopefully contributes to safety on the field.



John Palmer holds his recently competed Lego Shuttle with the Hubble Space Telescope in the cargo bay.

Events for our 43 edition of our competition contest called KRAMO was next on the agenda and will take place in its traditional June two day format.

Events – Open Spot Landing (this year with a best of 2 launch attempts format)

“Green Egg” Duration – must use stock Estes kit and C11 motor

“A” Streamer Duration- (NRC event)

“A” Boost Glide Duration (NRC event)

“1/4A” Parachute Duration (NRC event)

“A” Helicopter Duration (NRC event)

The club will purchase 12 of the Green Egg rockets and 24 C11-3 motors that will be available to members at a reduced price as long as they are available.

DJ Wyant was selected as this years recipient of a free NAR membership and he will also receive one of the club rockets suitable for this Jr. HP certification.

Several members expressed interest in reproducing our clubs first T-Shirt made in the early 1990's. The RETRO shirt will soon be made available. (see order form in this issue)

The club will provide Bill Lindsay with 48 A8-3 motors for his successful Fly It/Take It program. Bill is good on models and just needs some power!

At the conclusion of the meeting members were given the opportunity to purchase some rare and out of production kits belonging to the late Joe Warnock, a founding member of KOSMO. After the gavel pounded for the final time the auction raised \$743 with \$520 of that going to his wife Peggy and \$223 going into the club's checking account.

The dates for the 2023 launch season were set and can be found on a separate page in this issue.



**Steve Saner's 3D printed interchangeable modules**



**Members recently finished models look awesome.**

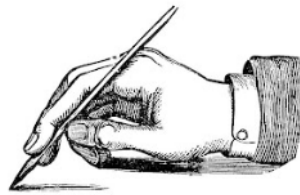


**Steve and Janet Hamous opened their home and kitchen to the club.**

**John Palmer's scratch built Falcon Heavy and Duane Lanterman's Estes builders New Shepard**



## FROM THE PEN OF THE PRESIDENT



Becoming the president of KOSMO was not something that I was particularly seeking, though I was open to the idea. I am honored to be selected for this role and I will try my best to represent well all members, past and present, as well as the history of our organization. I want to again say a big thank you to Keith Ravenstein for his service as president of KOSMO for the last 15 years. Keith was first elected president at our annual meeting in January 2008. It so happens that this was the first annual meeting of KOSMO that I ever attended, having become a member just a few months earlier.

Thinking about this inspired me to reminisce a bit over the last 15 years and consider the accomplishments that we have achieved together. Perhaps most notable was the 2012 NARCON that we co-organized and held in Hutchinson. In 2016, we had a hand, along with several other groups, in the organization and execution of NARAM 58 in Missouri. Over the last 15 years, we conducted 13 KRAMO contests. In addition to KRAMO, we've had approximately 33 low-power rocket launches, mostly in Hutchinson, but a few other places too. We have held approximately 24 high-power launches at either the airport or farm near Ellinwood.

By my count, we have had approximately 12 members achieve Level 1 high power certifications as well as 6 younger members get their Jr Level 1 certifications. We have had 6 members achieve Level 2 high power certifications and one Level 3 certification. In addition to those, we have helped dozens of community members reach various levels of high power certification. We did certification events for the Cosmosphere's Xstream camp, twice. We hosted student groups from Iowa State University and Kansas University that wanted to get certifications to further their collegiate rocketry experiences. There have been a number of other certifications done for those in 4-H, TARC, or other organizations.

Helping others with rocketry programs has been a consistent thread over the last 15 years by the club as well as individual members. We have conducted launches and build sessions and did judging for 4-H groups in at least Rush, Barton, Reno, and Sedgwick counties. We donated supplies and conducted a launch for a school in Arkansas City. We have donated resources and mentored TARC programs and EAA sponsored programs. We have developed a fly-it, take it program available for kids at most launches.

We have represented the hobby of rocketry and interest in STEM fields through static displays at EAA events in Hays, Newton, and Wichita. We have done displays and a launch at the Exploration Place. We have partnered with the Cosmosphere to provide displays and launch events for the 40<sup>th</sup> anniversary of Apollo 13, the 50<sup>th</sup> anniversary of Apollo 11, and most recently the 50<sup>th</sup> anniversary of Apollo 17.

There are other things that I could mention. Not bad for a small club in Kansas. Perhaps most important, however, we have developed friendships and relationships with people that will outlast any particular event. We remember those that we have lost: Ron Shipley, Ron Snow, Dennis Elder, and Joe Warnock. We miss those that have had to move further away whom we rarely see. But, we also welcome new members that have joined us. A few very recently.

I just want to say thank you, to everyone. For your efforts to make all of these events happen. For being willing to step up and play a bigger role in the club. For the little things that you do to help or guide someone else. For coming to the launches and sharing your craftsmanship, your expertise, your excitement, your interest, your silliness, and your comradery. I count myself blessed to share this hobby with each and every one of you.

What will the next 15 years look like? *Steve Saner*





Welcome new members Douglas and Carol Bailey of Salina Ks.. They are new to the hobby of model rocketry and have built a half dozen kits in the past few months and have enjoyed several more or less successful launches. They have all been low power flights due to the small field they have access to. They have both become NAR members and have enrolled in the NAR NARTREK program and are looking forward to the challenges of stretching their comfort level to build and fly larger more complex rockets.

They decided it was a good time to reach out to the rocket community near them and that prompted them to join KOSMO. We are looking forward to them attending one of our upcoming launches and getting to know them. Welcome!

+++++

### Bill Lindsay recovering at home

It may be late Spring until we see Bill Lindsay out on the field as on February 13 he had a complete knee reconstruction. Bill is in good spirits but certainly experiencing some pain. Several days before the surgery he completed another rocket from his "Shelf of Doom" this one being a beautifully painted *Callisto*. Bill has set up a temporary shop in his living room so he doesn't go completely stir crazy during his recovery and PT. Keep getting better Bill and looking forward to seeing you at a launch in Hutch later this year.



### =====

### GREEN EGGS ROCKET – SOMETHING NEW FOR KRAMO



There is a new event for our upcoming 43rd edition of our competition event KRAMO in June. We've almost always had a eggloft event and this years will be quite different. All competitors will use the Estes Green Egg rocket in its *stock form*. As always placing will be determined by the best of two flights. This should result in some really close competition. The rocket itself retails for \$24 *plus* motors but since we will be able to buy these in bulk the first 12 people to say they want this rocket *including TWO C11-3* motors can get the whole package for \$20. We will have the kits to purchase at Springfest in Ellinwood, and our April and May launches in Hutch. If there are some left you can purchase on at KRAMO and either build it on the field or your motel room Saturday night. You can secure yours by emailing Duane at [rocketsandracing@cox.net](mailto:rocketsandracing@cox.net) and simply let him know you want one.



YOU ASKED FOR IT. NOW YOU CAN ORDER IT!

## The RETRO KOSMO T-SHIRT.

The Original KOSMO shirt released about 1990 can be yours by mailing this order form BEFORE MARCH 1ST and mailing your check to the address listed. Our intention is to have these ready to pickup at *Springfest* in March in Ellinwood. *If you'd like yours shipped please add \$6 to your order's total to help with postage.* They will be shipped as soon as they are available from the local shop. These are nice quality Gildan shirts, white with printing on the front only.

Quantity \_\_\_\_ Youth Large      \$13

Quantity \_\_\_\_ Adult Small      \$13

Quantity \_\_\_\_ Adult Medium      \$13

Quantity \_\_\_\_ Adult Large      \$13

Quantity \_\_\_\_ Adult X Large      \$13

Quantity \_\_\_\_ Adult 2X Large      \$15

Quantity \_\_\_\_ Adult 3X Large      \$17

Quantity \_\_\_\_ Adult 4X Large      \$19

shipping if needed (any quantity)      \$6

TOTAL ENCLOSED \_\_\_\_\_



Name \_\_\_\_\_

Address (no P.O. Box) \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_ Zip \_\_\_\_\_

Email address (optional) \_\_\_\_\_

Thank you!!

Print out this form and **MAKE YOUR CHECK PAYABLE TO – KOSMO**

**MAIL TO – KOSMO**

**Attn: Sharon Lanterman**

**642 N Homestead Rd**

**Great Bend, Ks. 67530**

## **2023 KOSMO LAUNCH CALENDAR**

**SPRINGFEST – MARCH 18 WITH BACK UP DATES OF MARCH 25 AND APRIL 1  
LANTERMAN FAMILY FARM- ELLINWOOD KS - 10,000' FAA WAIVER PLANNED –  
10AM TO 5PM- BRING YOUR OWN LUNCH**

**SPORT LAUNCH – APRIL 22 WITH BACKUP DATE OF APRIL 29-LOW/MID POWER  
FIELD - HUTCHINSON KS – STATE FAIR GROUNDS PARKING LOT 10AM-4PM**

**SPORT LAUNCH – MAY 20- LOW/MID POWER FIELD– HUTCHINSON KS – STATE  
FAIR GROUNDS PARKING LOT- 10AM – 4PM**

**KRAMO – 43RD ANNUAL CONTEST AND SPORT FLY – JUNE 10 AND 11 –  
HUTCHINSON KS- STATE FAIR GROUNDS PARKING LOT –  
SATURDAY 10AM-5PM – SUNDAY 9AM-3PM -CONTEST EVENTS  
LISTED ON PAGE 1 OF THIS ISSUE**

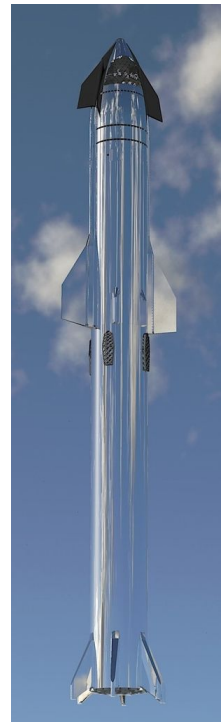
**SPORT LAUNCH – JULY 15 – LOW/MID POWER FIELD –  
HUTCHINSON- STATE FAIRGROUNDS PARKING LOT- 9AM-1PM**

**SPORT LAUNCH – AUGUST 12 – LOW/MID POWER FIELD –  
HUTCHINSON- STATE FAIRGROUNDS PARKING LOT- 9AM-1PM**

**FINAL FRONTIER FUN FLY – SEPTEMBER 9 WITH BACKUP DATE OF  
SEPTEMBER 23 -LANTERMAN FAMILY FARM- ELLINWOOD KS -  
10,000' FAA WAIVER PLANNED- 10AM TO 5PM**

**ROCKET'TOBER – OCTOBER 7 WITH BACKUP DATE OF OCTOBER  
21- LANTERMAN FAMILY FARM- ELLINWOOD KS - 10,000' FAA  
WAIVER PLANNED – 10AM TO 5PM**

**NIGHT FLIGHT – NOVEMBER 11- LOW/MID POWER FIELD –  
HUTCHINSON KS – STATE FAIR GROUNDS PARKING LOT- BEGINS  
AT 2PM WITH LIGHTED ROCKET LAUNCHES AFTER SUNSET  
USUALLY CONCLUDING ABOUT 6PM**



**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 CLUB'S 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 secretary Duane Lanterman. Submissions are always welcome! Membership and subscription checks should be made out to KOSMO 642 N. Homestead Rd. Great Bend, Ks. 67530*