



the KOSMONAUT

OFFICIAL JOURNAL OF THE KANSAS ORGANIZATION FOR SPACEMODELING
NAR SECTION #427
MARCH/APRIL 2024 VOL.43 NO.2

THE LATEST SCORES ARE IN !

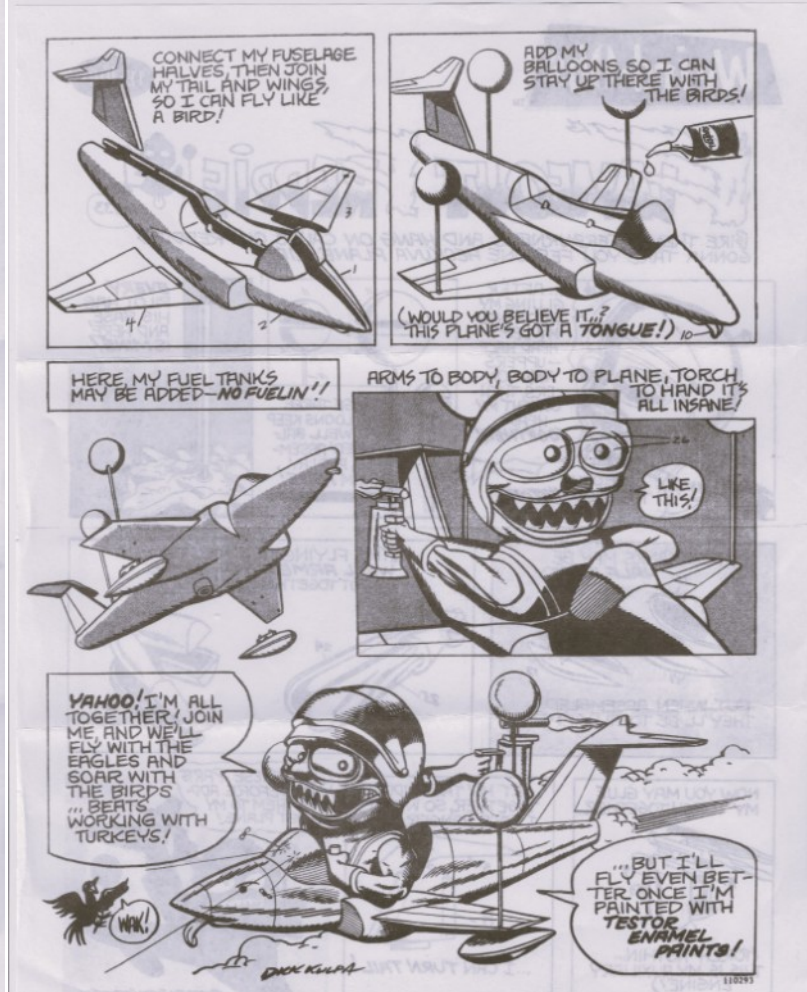
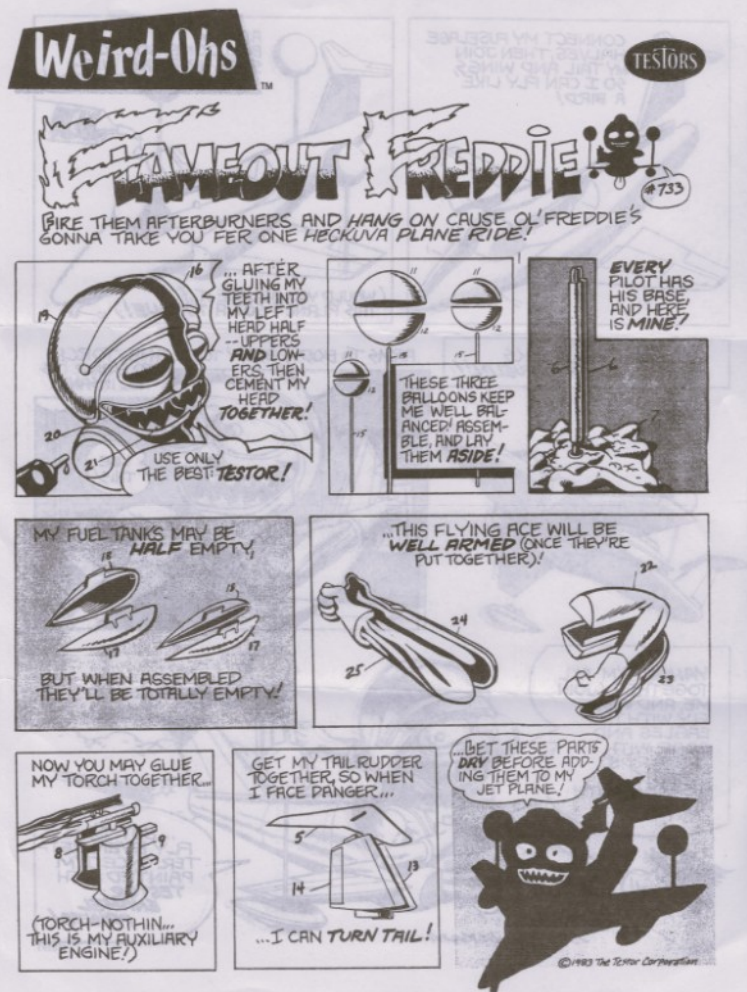
KANSAS TYPICAL SPRING WEATHER 3

KOSMO PLANNED LAUNCHES 0

It's not that everyday in March and April were windy, or cold or cloudy, or snowing but those we planned early in the year were just that. Undaunted ,we head into the rest of the year with high hopes! No launch photos this issue!



Instead of our traditional "From the President's Pen" page, in the spirit of an April Fools edition we present to you these pages from a Testors plastic model kit. Don't you wish all instructions were as entertaining. Thanks to Joe Peklicz for sending these my way. Hope they bring a smile to your face.



NSL West 2024

Alamosa, CO
May 25-27, 2024

The National Sport Launch West will be held May 27-29, 2023, in Alamosa, CO. The event is hosted by the San Luis Valley Rocketeers, Section 774.

The Event Director is Matt Abbey. Over the course of the three-day Memorial Day holiday, there will be low, mid, and high-power rockets flying up to "O" impulse.

A 52,000' AGL waiver will be in effect!

Hotels are just 30 minutes away in Alamosa, CO.

NARAM-65

Pueblo, CO
August 3-9, 2024

Join us for a great week-long sport launch and contest! The event is hosted by the Southern Colorado Rocketeers (SCORE; Section #632. The waiver is 12,000' AGL. The host hotel is not yet determined.

Competition Events: 1/2A Helicopter Duration*, 1/2A Parachute Duration*, A Rocket Glider*, B Streamer Duration*, B Payload Altitude*, B Eggloft Altitude*, C Superroc Duration, Precision Payload, Giant Sport Scale (*NRC Events)

National Events Need Your Help!

The NAR is hosting two National Sport Launch (NSL) events in 2024. Our organization is in need of launch sites and supporting sections for future NSLs East of the Mississippi. If you are interested in hosting an upcoming NSL, please email nationalevents@nar.org.

"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

KIT BASH CONTEST 2024 IS PART OF OUR MAY 4TH LAUNCH

Twelve KOSMO members received two Estes kits, the SUPER NEON and the GUARDIAN, at the annual meeting and VERY SHORTLY members will have a chance to show off the creations they have made from those kits. Using only the parts contained in the two kits what strange and unique models will appear on the field. If you can't make it to the launch you may have someone else launch your model, please include the appropriate motor. If you don't finish your kit in time we would urge you to finish your rocket when you can and fly it sometime throughout the year as a fun flight. At the May 4th launch your model will be judged equally on craftsmanship, creativity, and fly-ability. Should the May 4th launch fall victim to the ever changing Kansas weather the contest will be held at the July launch.

THE PASSING OF THE "FIRST LADY OF ROCKETRY"

INFORMATION CONTAINED HERE FROM GLEDA ESTES OBITUARY

Gleda Estes passed from this life on March 30 2024. She is survived by her husband of nearly 73 years Vernon Estes and daughters Betty, Sharon, and Linda. She began her college career at Central College in McPherson Ks in the Fall of 1950 where she soon met her future husband Vern in a chemistry class. They eloped in May of 1951. She began running Vern's construction company office and later office functions of Estes Industries. Vern has often said without Gleda's help and support to start Estes Industries his venture into model rocketry would have never happened. Everyone knew that at Estes when it came to serving the needs of customers, Gleda was the Boss. To her daughters she emphasized the values of honesty, worshiping God, working hard, responsibility, loyalty, and doing the right thing. Gleda was very active in her church during most of her life in Canon City and in her spare time enjoyed gardening, sewing, reading, and having coffee with her many friends. She wasn't one to sit around much. In 2018, a scholarship was established in Gleda's name through the NAR to help start the careers of young women with majors in STEM. All in all, Gleda lived a life full of lasting relationships, spiritual service, and fulfillment, travel, adventures, and intellectual challenges. Gleda always enjoyed attending model rocket-related events with Vern and cultivated a warm relationship with many model rocketeers. She felt like the rocketeers were part of her extended family. - editor note: Those of us who had the opportunity to meet personally with Vern and Gleda felt a special connection with this couple. We also feel the loss of this important "family member." Our heartfelt condolences go out to Vernon Estes.





KOSMONaut's HEADING TO COLORADO

As Memorial Day weekend approaches at least six KOSMONaut's will be heading to the high country of Colorado, more specifically Alamosa. May 25-26-27 will be the National Sport Launch/West with a waiver of 50,000' in place. Those attending from the plains of Kansas (and Dallas) will be KOSMONauts Steve Saner, Keith Ravenstein, Dustin and DJ Wyant, Zac Twigg, and John Palmer. Good Luck to you all and looking forward to hearing your stories when you return.

WICHITA AREA ARC TEAM/AIR CAPITAL STEM CLUB HEADING TO DC

Once again the Wichita Area ARC Team has qualified for nationals in Washington DC. The young people on the team include Braeden Shipley, Gabe Schankar, Mason Shipley, Kaycee McCrea, and Jack Thompson. Two of those team members will be accompanied by coaches Jeremy Lepel and Bill Lindsay to DC along with mentors Ed Bennett and Hadrain Schankar. Good luck to you all this coming May.



Local ABC affiliate KAKE-TV out of Wichita came to interview the Air Capital STEM club at their groups workshop. The report focused on their upcoming trip to Nationals in DC.



The Kansas Rocket Aero Modeler's Open (KRAMO) 44

June 1st (or June 2nd) in Hutchinson, KS

KRAMO will be a NAR sanctioned, National Rocketry Competition (NRC) event. Any of this year's NRC events may be flown and the results of those flights will be submitted to the **National Scoreboard**.

The KRAMO contest will consist of a mix of NRC events and fun non-sanctioned events. Awards will be presented for each KRAMO event as well as an overall meet champion award.

Unlike some years, KRAMO 44 is planned as a one day only event. It is planned for Saturday, June 1st, 2024. However, if the weather does not appear to be good that day, the event could be moved to the following day, Sunday, June 2nd.

Sport flying of Class 1 rockets that can reasonably be recovered in the launch area will also be allowed throughout the event.

KRAMO 44 Competitive Events

Open Spot Landing (2 attempts allowed)

"1/2 A" Helicopter Duration (NRC Sanctioned Event)

"A" Rocket Glider Duration (NRC Sanctioned Event)

"B" Streamer Duration (NRC Sanctioned Event)

Choice between "B" Payload Altitude (NRC Sanctioned Event) OR "B" Eggloft Duration

Special Event Details

- The Open Spot Landing event will differ from the official rules this year. Contestants will be given two attempts at spot landing and the best of two scores will be recorded.
- The B Payload Altitude and B Eggloft Duration events, for the purpose of scoring, will be treated as two separate events. However, you may only have an entry in one of those events.
- Official NAR contest payloads will be provided. You may also provide your own payload. Be sure to check the rules regarding the official payload size and weight
- Eggs will be provided for the B Eggloft Duration KRAMO event.
- Altimeters will NOT be provided for the B Payload Altitude event. You must bring your own altimeter and it must be one of the Altimeters Approved for Contest Use.
- If winds are deemed unfavorable for recovery of B Streamer the Contest Director may, in consultation with the RSO and others, choose to change it to A Streamer Duration. Contestants will want to bring motors appropriate for either option.

Days and Times:

Saturday, June 1, 10:00am - 5:00pm

Alternate: Sunday, June 2, 10:00am - 5:00pm

Location:

Kansas State Fair Grounds Parking Lot — Hutchinson KS

Entrance Fees:

Sport Flying: Free

Competitive Flying: \$7.00 (\$14.00 for a Team) Spectators - Free



KOSMO LAUNCH CALENDAR 2024

time to leave the shop and out to the field

MAY 4 - SPORT LAUNCH – HUTCHINSON KS. 10AM-4PM CLASS 1 ROCKETS- BRING YOUR 2024 KITBASH ROCKETS TO THIS LAUNCH, PRIZES FOR CREATIVITY IN CONSTRUCTION, FLY-ABILITY

JUNE 1- KRAMO 44- HUTCHINSON, KS. 10AM-5PM OUR ANNUAL NAR CONTEST- FULL DETAILS ON PAGE 5 OF THIS NEWSLETTER- ALSO SPORT FLYING THROUGHOUT THE DAY CLASS 1 ROCKETS. ALTERNATE DATE IS JUNE 2ND IF SATURDAY IS SCRUBBED FROM 10AM-5PM \$7CONTEST FEE PRIZES AT THE END OF THE DAY.

JULY 6-SPORT LAUNCH- HUTCHINSON, KS. 9AM-1PM CLASS 1 ROCKETS

AUGUST 3 – SPORT LAUNCH – HUTCHINSON, KS. 9AM-1PM CLASS 1 ROCKETS

**SEPTEMBER 7 – FINAL FRONTIER FUN FLY – ELLINWOOD KS. - 10AM-5PM 10,000'FAA WAIVER
ALTERNATE DATE SEPTEMBER 14 – FREE PIZZA AT THE FIELD FOR LUNCH**

OCTOBER 5 – ROCKET'TOBER – ELLINWOOD, KS. 10AM-5PM FAA WAIVER ALTERNATE DATE OCTOBER 19

NOVEMBER 9 – NIGHT FLIGHT – 2PM – 6PM HUTCHINSON, KS. CLASS 1 ROCKETS – LIGHTED ROCKETS BEGINNING AT SUNSET

NOTES ON OUR FIELDS -

HUTCHINSON STATE FAIR GROUNDS PARKING LOT -

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.

ELLINWOOD FIELD – LANTERMAN FAMILY FARM

This is our largest and most open launch area, which means that high power rockets are allowed at this event. 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.

REMEMBERING DAVID LUCAS



This past Easter, the rocketry community lost a long-time sport flyer and competitor with the passing of Dave Lucas. Dave was an NAR member, active member of the old KCAR NAR section in the KC area, promoter of the FSI line of rockets, and loving husband of his wife Mary who survives. Dave could be found at various KOSMO events, NAR National events, and out on the fields at Argonia Ks. Our condolences to his wife, his family, and friends. We will miss you Dave.