



the **KOSMONAUT**

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KOSMO LAUNCH SEASON LIFTS OFF !

After a battle with mother nature the first part of the year, the sound of rockets lifting off were heard at our Hutchinson, Ks. field. A half dozen members enjoyed the day and launched 33 rockets. John Palmer had a family trip to make and so he hit the field early launching 7 rockets before leaving shortly after 11am. "Mr. Scale" put on quite a show with a Soyuz, Mercury Redstone, Skylab, Ariane, Saturn V, Atlas II, and a Delta II all taking to the Kansas skies. Ron Snow joined us again after sometime off and his models have fun names like, " Ron's Bright Yellow and Orange Rocket." Duane Lanterman put up a number of flights including a brightly colored Estes "Flutter By" (which he kept mispronouncing "Fudder By") Steve Saner did a little experimenting with his homemade piston and proved its effectiveness with a flight of a Baby Bertha on a A 8-3 showing 94' without piston and 150' with piston. After lunch Tom Freeman of Wichita rolled in with this family. Tom was a frequent flyer with KOSMO in the mid 2000's and now with his two boys is looking forward to getting back into the hobby he loves. His son Tristan finished out the day with 9 flights with a wide variety of Estes models. They were having fun ! Next launch will be our Regional contest KRAMO 34. (Full coverage in this issue.)



Illustration 1: Tristan with an arm full of models



Illustration 4: John's beautiful Soyuz



Illustration 3: Ron Snow and a very old model



Illustration 2: Duane and his Nike Smoke



Illustration 5: Steve and his piston

KOSMO'S CONTEST CELEBRATES 34 YEARS !

Spanning the history of the Kansas Organization for SpaceModeling is its annual contest called KRAMO, which stands for Kansas Rocket Aero Modelers Open. Through its now 34 years it has been either an Open or Regional contest with the exception of one year when it was a sport launch. It was originally held at founding members Mark and Bonnie Johnson's home outside of Wichita, moved to Lake Afton near Goddard Ks. and its current home is at the Kansas State Fair grounds parking lot in the heart of Hutchinson, Ks. This year we had 10 NAR contestants (including two teams) qualifying it as a Regional. There were an additional 5 fliers that joined in on the weekend. There were 72 contest flights in the 6 events and 23 sport flights. The Kosmonauts were pleased to be host to 4 members of the Kansas City Association of Rocketry section. (KCAR)

Mark and Bonnie made the long journey from Columbia, Mo. to compete as Team Boris and Natasha and Michael Stewart and his wife Sharon joined us for the first time. Michael is affiliated with the KCAR group, living in Lenexa, Ks. and has recently gotten back into the hobby as a BAR.

The long history of KRAMO usually favors one day over another in weather and this session was no different. Saturday's weather was near perfect for Kansas and the majority of flights were launched that day. Predictions for Sunday was for winds in excess of 20 beginning at noon and so Sunday's starting time was moved up an hour to hopefully get in all the remaining contest flights. In reality, several flights still had to be made after noon and the wind was just about on schedule.

As is tradition we all ate together on Saturday night, this time making a short trip to Yoder, Ks. and the popular Carriage House Restaurant. (all home made dishes with an Amish style) Sunday's award ceremony concluded as most KOSMO events do with Pizza.

This years overall winner was Duane Lanterman representing KOSMO, a very close second went to KC Flying Monkeys Team (Dave Bucher and Blake Goddard) from KCAR, and third place went to Kosmonaut John Palmer. Duane will have his name

engraved on the Traveling KRAMO Trophy (made by Ron Shipley) and each contest event winner received a gift card from Subway Restaurant. Those placing first, second, or third in each event received NAR ribbons.

Two pending records were set at the meet in "A" Altitude Altimeter. In team records KC The Flying Monkeys had a flight to 186m and in C Division Dave Lucas had a flight to 135.33m. Awesome job guys. Many thanks to Steve Saner who acted as contest director. Everything ran very smoothly throughout the 2 days.

KRAMO 34 RESULTS FIRST THRU THIRD PLACE

"A" Altitude Altimeter

- 1- KC Flying Monkeys Team**
- 2- Boris & Natasha Team**
- 3- Dave Lucas**

"1/2A" Helicopter Duration

- 1- KC Flying Monkeys and Duane Lanterman (tie)**
- 2- Dave Lucas**
- 3- John Palmer**

"B" Egglofting Duration

- 1- Boris & Natasha**
- 2- Steve Saner**
- 3- John Palmer and Duane Lanterman (tie)**

"A" Rocket Glider Duration

- 1- Keith Ravenstein**
- 2- Duane Lanterman**
- 3- Steve Saner**

Random Duration (40 sec goal)

- 1- John Palmer**
- 2- Tom Freeman**
- 3- Michael Stewart**

Open Spot Landing

- 1- Boris & Natasha**
- 2- Kyler Palmer**
- 3- Keith Ravenstein**

OVERAL POINTS

- 1-DUANE LANTERMAN**
- 2-KC FLYING MONKEYS**
- 3-JOHN PALMER**



*Illustration 1: DAVE
LUCAS*



Illustration 2: PART OF THE KRAMO 34 CREW



Illustration 3: MIKE STEWART



Illustration 5: MARK JOHNSON HAS BEEN AROUND



Illustration 4: DENNIS ELDER ASSISTS TRACI PRESTON



Illustration 6: BLAKE GODDARD OF FLYING MONKEYS



Illustration 7: JOHN PALMER WITH GRANDSON

KWINTER HARTSHORN CERTIFIES LEVEL ONE

As everyone else was heading to the Hutchinson flying field to set up for KRAMO 34 several members had another tasks in mind. KOSMO president Keith Ravenstein was joined by Kwinter Hartshorn , his dad and mom and Dennis Elder to launch his Level One project at the Ellinwood flying field. The rocket was very similar to the model Wilder Parks received his Level One cert. in Colorado last year, having been kitted by Keith and donated to the young rocketeer. The model was powered by a H195R-10 donated by Steve Saner and Duane Lanterman. Kwinter had done an excellent job of constructing the rocket and under early morning skies that cleared just at launch, flew straight and true. The rocket safely landed about ¼ mile from the pad. An excited Kwinter is now ready to paint the model and enter it in the Rush Co. Fair later this summer. Great job Kwinter, welcome to high power !! If anyone is interested , Keith will sell you this kit which is suitable for either L1 or L2 flights. Keith then packed up his equipment and headed to Hutch to be a part of the contest there. Great job Keith. Thank you for your commitment to our younger members in the club.



Illustration 1: Final prep of Kwinter's Level 1 flight



Illustration 2: Tom with Tristan and Maxwell

Welcome new member Tom Freeman and family. Actually Tom was a very active member in the mid 2000's and is now back in the hobby with his two boys Tristan and Maxwell and wife Angelique has been tagging along to the launches Welcome back Tom and looking forward to seeing you at more launches and sharing your ideas with us.

KOSMO 2014 LAUNCH CALENDAR

We often take a bit of a break with scheduled launches in the summer. However, this year the NAR Annual Meet (NARAM) is being held in Pueblo Colorado and several KOSMO members have plans to attend. At last count, as many as 10 people associated with KOSMO (including a couple spouses) are planning to make the trip. Most plan to only be there for the first weekend sport launch, but for some of us, it will be our first NARAM experience. If anyone hasn't already gotten registered, be sure you do that soon. NARAM will be from July 26 to August 1. If you need a room during the first weekend please post on the KOSMO email discussion list and we will try to accommodate you.

**AUG. 23 SAT. KOSMO SPORT LAUNCH HUTCH FAIR GROUNDS PARKING LOT
8AM TO 12 PM (NOTE THIS IS A MORNING LAUNCH) The Kansas Cosmosphere's 2nd Annual Fly Around Dine Around will take place in Hutch from 1-9 that day. Google that event for full info on times, prices, etc., etc. Astronauts galore !!**



**SEPT 6 SAT. FINAL FRONTIER FUN FLY ELLINWOOD AIRPORT OR LANTERMAN FARM
10AM-5PM 10,000' WAIVER -SPECIAL EVENT "JR. ROCKET DRAGS"(rockets at least .75" dia. and powered by "A" engines)**

SEPT. 20 SAT. ALTERNATE DATE FOR FFFF DUE TO WEATHER

**OCT. 18 SAT. NIGHTFLIGHT HUTCH FAIR GROUNDS PARKING LOT
3PM TO 8PM LIGHTED ROCKETS LAUNCH FROM 7PM-8PM
SPECIAL EVENT "JR ROCKET DRAGS"**

**NOV. 1 SAT. LOW AND SLOW HUTCH FAIR GROUNDS PARKING LOT
2PM-5PM DINNER TO FOLLOW - NO LAUNCH FEE**

GENERAL NOTES – LAUNCH FEE AT SPORT LAUNCHES IS \$3 FOR MEMBERS, \$4 FOR NON MEMBERS – AT THE HUTCH FIELD ROCKETS ARE LIMITED TO CLASS ONE ROCKETS THAT CAN BE REASONABLY RECOVERED WITHIN THE FIELD –

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