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MAY LAUNCH REPORT

BY Duane Lanterman

The weather continued its iffy ways as our May launch date rolled around. Although the forecast was not too promising several members rolled into the parking lot of the State Fair Grounds to give it a go and were rewarded by conditions that were not all that bad. We were joined by a new member Marvin Applegate from Wichita who has a long history with model rocketry. We are looking forward to Marvin joining us for future launches.

We had 19 flights, all of which was recovered within the field, and one which went just a little bit further. Marvin was not familiar with our field and his first flight on an E9 got considerable altitude and then began to drift and drift and drift. Quite honestly we thought the model would never be returned. Marvin hopped in his car and about 20 minutes later returned with the Estes Eliminator. He had spotted it in the parking lot of a bank almost 8 blocks from our launch site ! Needless to say, from then on Marvin used a little less motor or a streamer for recovery.

John Palmer launched his usual fair of sport scale models most of which performed well and one which evoked his familiar quote, "I can fix that". (which in fact a week or so later appeared in a photo attachment to an email looking none the worse for wear.)

Duane Lanterman launched his recently finished Silver Comet (really a 3" School Rocket Kit) and then brought out a number of kits he hadn't launched in years. His Estes Aquarius, which had set on a shelf for probably 25 years and deemed to pretty to launch, finally saw its way to the launch pad for a successful flight.

As we were about to leave the site Dennis Elder stopped by with his almost completed SpaceX rocket kit. He asked for some advise in completing it and my guess is it will be flown at an upcoming 4H launch.

ALSO IN THIS ISSUE -

COMPLETE COVERAGE OF KRAMO 37
REMAINING LAUNCH CALENDAR FOR 2017
DAVE BUCHER MEMORIAL LAUNCH
AND MORE

MAY SPORT LAUNCH



PHOTOS



Illustration 3: Dennis Elder shows John his almost completed SpaceX model.



Illustration 2: Duane Lanterman with his Silver Comet



Illustration 1: New member Marvin Applegate readies his rocket.



Table 3: Nothing beats the twin engines of the Gemini Titan. John Palmer model.



Table 1: John Palmer's Mercury Redstone



Table 2: John's Soyuz thunders skyward

THE JEWEL OF KOSMO IS “KRAMO”

Shortly after the Kansas Organization for SpaceModeling was formed in 1980 plans were made for a summer time rocketry competition. The name KRAMO was established standing for Kansas Rocket AeroModelers Open. KRAMO has taken place every June since that date. Many times it has been a Regional contest if sufficient numbers of modelers have been present. Once in its history it was a two day sport launch. Once it became Son of KRAMO and was held in conjunction with KCAR in Kansas City when the weather canceled the original date/site. Once in its 37 years it was not held at all as the Lake Afton field was only available for a day and that day was winded out. The event began in the front yard of Mark and Bonnie Johnson, moved to Lake Afton in Goddard, Ks. for many years, and has now found its home at the Kansas State Fair Grounds parking lot for sometime. This years edition was delayed a week due to 40 mph winds on the original dates but a great weekend greeted the modelers June 10 and 11 of 2017. Well, it had a feel like temperature of 108 on Saturday. but it was a generally calm weekend and for that we were very thankful.

We had 4 Senior individual competitors and 2 NAR teams in completion this year qualifying it as an Open Meet. We also had a group of 4H'ers who joined us early on Saturday to get in their fair qualifying flights and several other rocketeers joined us for sport flying both days.

Most events had all six competitors flying . We are listing the top three places in each event below.

OPEN SPORT LANDING - Almost every year this event is a part of KRAMO and this year the team of Boris and Natasha (Mark and Bonnie Johnson) really had it dialed in with a distance from the spot of only 3.1 meters. Keith Ravenstein had a really good second place distance of 3.79 meters, good enough for first on most days. Steve Saner pulled down third place with a distance of 14.49 meters.

“C” EGGLOFT DURATION – Launching raw eggs has been a mainstay of the KRAMO contest. This year Duane Lanterman gathered first place with a time of 49 seconds. (and a complicated recovery) Just two seconds back was the experienced team of Boris and Natasha. Four seconds back of them was John Palmer with a time of 43 seconds. This was one “egg-citing” event ! As usual several egg did not make a successful return to the table. It should be mentioned here that Steve Saner had by far the best Eggloft flight of the weekend but unfortunately the model drifted off the field and was not recovered.

SET DURATION – Set duration this year was 40 seconds and Duane Lanterman came pretty darn close with a time only 7.5% off. Although a ways off, Boris and Natasha and John Palmer managed to tie with their times which were off 32.5%. Keith Ravenstein's flight was good enough for third place.

“A” STREAMER DURATION – The Team KC Flying Monkeys, made up of Blake Goddard and Dave Lucas, took top spot in this event with a time of 73 seconds, Steve Saner was second with 66 seconds, and Boris and Natasha third at 55 seconds. What looks like a very straightforward simple event was subject especially to separations and torn streamers.

“B” HELICOPTER DURATION - First place went to Duane Lanterman with a time of 97 seconds quite a bit ahead of the KC Flying Monkeys in second and John Palmer in third. Keith Ravenstein had the best flight in this event but the model rotored into the neighborhood never to be seen again.

“A” ROCKET GLIDE – Because we did not have enough competitors to make a Regional, this event was held but not included in the meet totals. There was a wide range of interesting models that made up this event. Steve Saner nailed first place with a 76 second total followed by Duane Lanterman with 49 seconds and the KC Flying Monkeys with 36 seconds.

The official NAR points standing comprised of the first five events listed above resulted in these standings-

- 1- Duane Lanterman
- 2- KC Flying Monkeys
- 3- Steve Saner
- 4- John Palmer
- 5- Boris and Natasha
- 6- Keith Ravenstein

Contestants finishing first through third in each event received a NAR ribbon as well as the overall three places. In addition, first place in each event as well as the overall winner received a SUBWAY gift card courtesy of the club. The overall winner will have his name added to the KRAMO traveling trophy now officially called the RON SHIPLEY MEMORIAL TROPHY. We had very graciously received gift certificates, discount coupons, and rocket recovery supplies from Aerospace Specialty Products (ASP) and these were awarded to participants via a drawing. Thank you ASP for your contribution !

Besides the competition flights Sat. and Sun. there were also 30 fun flights made those two days. Ten different rocketeers made flights including three 4H'ers but the bulk of the flights were made by our new member Marvin Applegate.

The meet ended as usual with pizza at Ken's and Sat. evenings tradition of a meal together took place at Sirloin Stockade. It was a fun weekend and above all we just enjoyed the company of our rocket friends.



Illustration 1: Faith Zongker logs in her 4H flight early Sat. morning



Illustration 2: Isaac Wultz gets some assistance with his 4H rocket at the pad



Illustration 3: Steve Saner's egglofter worked a little too well, drifting off never to be seen



Illustration 4: Keith Ravenstein's egglofter seems to be looking back at him.



Illustration 6: Mark Johnson of Team Boris and Natasha readies his A Streamer model



Illustration 5: S. Saner's "Pool Noodle" blasts off

KOSMO 2017 LAUNCH CALENDAR



Sport and 4-H Launch — Saturday, July 8, 2017

- Rush County Airport, near LaCrosse, KS
- 9:00am - 2:00pm

Sport Launch — Saturday, August 5, 2017

- 10:00am - 5:00pm
- Kansas State Fairgrounds Parking Lot, Hutchinson, KS

Final Frontier Fun Fly — Saturday, September 16, 2017

- 10:00am - 5:00pm
- Ellinwood, KS Airport or Lanterman Farm
- 10,000ft Waiver BBQ available at Noon (for a small fee)
*Alternate date in case of bad weather: **September 30, 2017***

Rocket-tober Fest — Saturday, October 14, 2017

- 10:00am - 5:00pm
- Ellinwood, KS Airport or Lanterman Farm
- 10,000ft Waiver
*Alternate date in case of bad weather: **October 28, 2017***

Nightflight — Saturday, November 11, 2017

- 3:00pm - 7:00pm
- LIGHTED ROCKETS FROM SUNSET UNTIL 7PM
- Kansas State Fairgrounds Parking Lot, Hutchinson, KS

NAR ANNOUNCES SLATE OF SIX EVENTS TO BE PART OF 2018 NARAM

The events listed below will be at next years NARAM plus 3-5 events to be determined by the NARAM CD. KOSMO may want to pick all or none of these events to be a part of next years KRAMO 38. As always KRAMO events are picked at the annual meeting in January.

C Eggloft Altitude (altimeter)	A Streamer Duration	A Helicopter Duration
A Payload Altitude (altimeter)	1/2A Parachute Duration	1/2A Boost Glider Duration

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