

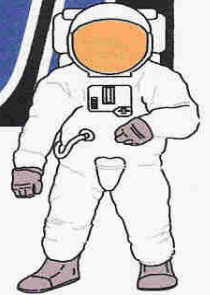
THE KOSMONAUT



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KRAMO CELEBRATES 30TH ANNIVERSARY

One of the NAR's longest running contest, KRAMO, hosted by the Kansas Organization for SpaceModeling, held its 30th edition on June 5-6, 2010. Like last year, we were able to use the parking lot at the Kansas State Fair grounds. This provides a country feel, yet we are located in the heart of the city, close to hotels, restaurants, and restrooms. We were blessed with two good days of contest flying and also had a total of 41 sport flights.

Although few contest flights were mind boggling, the competition was close and for the first time in its 30 year history there was a tie for overall champion. The KC Flying Monkeys team of Blake Goddard and David Bucher from the Kansas City Association of Rocketry (KCAR) section tied with Keith Ravenstein of the Kansas Organization for Space Modeling (KOSMO) section each with 1266 points. Bob Wingate of KCAR wrapped up 2nd overall, followed by a tight battle between Ron Shipley 3rd and Duane Lanterman 4th. Team Boris and Natasha had a solid 5th, followed by Steve Saner, John Palmer, James Johnson, and Kirk Zongker.

Just about every KRAMO has had a spot landing event and an egg event. This years Open Spot event was won by Duane Lanterman of Great Bend with a very close 4.2 score, followed by the KC Flying Monkeys with 6.8, and Keith Ravenstein of Great Bend with 10.45. This years egg event was D Dual Eggloft and was won by the KC Flying Monkeys with a outstanding flight of 132 seconds, followed by Keith Ravenstein with 55 seconds, and third going to Duane Lanterman who just edged out John Palmer of Hutchinson 47 seconds to 45 seconds.



We had not run a Set Duration event for sometime and this proved to be an exciting event. The duration chosen was 35 seconds and Duane Lanterman was the first to give it a go. With a 36 second flight it appeared he had first place wrapped up but before the black powder had settled the Boris and Natasha team consisting of Mark and Bonnie Johnson of Wichita put up a perfect 35 second flight !! Steve Saner of Andover gathered 3rd place and James Johnson, Wichita, and John Palmer tied for 4th place.

Continuing the competitive results, 1/4A Boost Glide resulted in a first place tie between Ron Shipley, Wichita, and Bob Wingate of Independence, Mo. Two seconds separated 2nd from 4th place going to the KC Flying Monkeys, Steve Saner, and Keith Ravenstein respectively. "A" Helicopter Duration was another very exciting event. Keith Ravenstein's total of 76 seconds edging out Bob Wingate by one second. Third place went to team Boris and Natasha.

There were 41 sport flights in the two days and the Martin family from the area joined in our activities . In fact, they accounted for 14 flights with little Sam and his sister Reagan launching 13. They certainly had a good time. John Palmer lead the Kosmonauts with 8 sport flights. It was interesting that on 7 of the sport flights 25 motors were consumed. That's some cool staging and clustering ! Dave Bucher had the largest single motor flight on a F42. All in all, some very nice models and safe flights.

We certainly had some of the closest contest flying in years. Overall I think everyone had a very good time. The temperatures on Sat. were a little rough with high 90's in the offering and very little wind. Sundays temperatures were somewhat cooler, the winds a little higher but not significant, and the rain clouds that appeared managed to stay north of our field. Ken's pizza was again our watering hole for the awards ceremony. We look forward to a new decade of KRAMO !

BY DUANE LANTERMAN



EDITORS RAMBLINGS

As I write this a number of you are heading to Colorado and NARAM. Anxious to hear all your stories and see some great photos. This has been an interesting and somewhat different year for our club, now celebrating its 30th anniversary. Our launches the first part of the year were all cancelled due to weather , but we did have a very successful launch in June. See the headline article on KRAMO.

We of course had the awesome experience of participating in the Honoring Apollo 13 activities at the Cosmosphere. The next issue of Sport Rocketry should have a feature story on this event. This was a great connection between our section and FLARE in New Mexico.

Also new for us this year were two static displays at fly-ins at the Hays , Ks. And Newton , Ks. Airports. Our displays looked great and those that attended had a great time. See articles by Monica and John this issue.

The health of two of our founding members has been of great concern. As mentioned in the last newsletter, Joe Warnock had been hospitalized for 52 days the first part of the year. In a phone conversation with him recently on a Sunday afternoon, I discovered his illness had quite literally been life threatening. Without going into detail of his ordeal we are fortunate to have Joe with us and his physical therapy is on going. His goal is to be close to full strength by years end.

At KRAMO, Bonnie Johnson made the startling revelation that she had kidney cancer. Several weeks after this she had her kidney removed in a Wichita hospital. Several of us KOSMONauts were able to be with husband Mark during the surgery. We are glad to announce that the cancer was totally encased in her kidney. Her next check up will be at years end and we are expecting the good news to continue. Both Joe and Bonnie were appreciative of the cards, visits, especially the prayers of members and their many friends and acquaintances.

Looking forward to seeing as many of you as possible in Ellinwood Labor Day weekend for our 20th edition of FFFF. See you there for some Good Clean Fun at Mach 1.



K O S M O

PLEASE NOTE THE NEW ADDRESS FOR SUBSCRIPTIONS OR MEMBERSHIPS 3532 S. 154TH ST. E. , WICHITA, KS. 67232. IF YOUR MEMBERSHIP IS DUE TAKE A MOMENT AND SEND IN YOUR \$10 TODAY. THANKS!

Kansas Organization for SpaceModeling

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KRAMO 30 PHOTO GALLERY



KRAMO 30 PHOTO GALLERY



THE ROCKET ENTHUSIAST'S WIDOW-A DIFFERENT PERSPECTIVE

By Monica Ravenstein

As someone with a minor interest in rocketry, I find it enjoyable to see the different paint schemes and models. It is not, however, an OBSESSION, as it is with my husband. Yet somehow, I found myself at a couple different events where the KOSMO rocket club had static displays of rockets.

The first was in Newton, where they combined many different things that fly - from Corvettes to rockets to airplanes - centered around a fly-in for a local aviation club. A constant misty rain with periodic downpours didn't dampen (yes, pun intended) the enthusiasm of those in attendance, although it did delay and cancel an event or two. It seemed to be quite a successful event, the intention of which was to draw attention to the different things that fly and the opportunities available to fly them. I had to laugh at several of those who stopped by the KOSMO table - we heard so many say "I used to do that as a kid." My only comment was that some people never grow up (*smile*) as I handed them a flyer with the club's schedule, and invited them to come out and be kids again. Hopefully some will decide to do just that. Just because we get older doesn't mean we have to grow up.

The other event was in Hays, where they were celebrating the finish of a new fire station at the airport. There were several events along with games, a seatbelt convincer, planes, identakid, rocket and RC plane displays. The other thing that was very prevalent was HEAT. I spent much of the day hiding outside in the mild breeze and shade. I personally didn't enjoy that event as much, but it wasn't the organizers' fault someone left the oven on. It did seem to be quite successful in spite of the heat. I know there were several who showed interest and took launch schedules with them. Maybe we will see some of them in the future as well. Anyway, just thought I'd give you a little different perspective on some of the activities of the group. Have fun and try not to blow anything up!

Hays Fly In- by John Palmer

On a hot summer day on the plains of Kansas, Keith Ravenstein, Dennis Elder, and John Palmer met at the Hays airport for a static display of rocketry. This was very similar to the Newton show, only better weather. As we arrived and set up we had a good collection of sport and scale rockets, the banner was hung and posters displayed. We had many visitors that showed interest. Keith brought some of his high power stuff and John had a good collection of scale rockets, as well as some odd rockets.

Some excitement of the Fly In was when the Blackhawk helicopter landed. We were able to talk with the crew and look inside. The pilot told us stories of heroism, crashes of other helicopters, and how survivable a helicopter is. One of the main reasons for the Fly In was to celebrate the Hays airport's new fire station. They had a fire extinguisher demonstration, and many people were able to practice putting out fires. Also in attendance were many local groups soliciting their causes like the Girl Scouts, Fort Hays University and many others offering contest to win water (much needed in the heat) or soda and assorted carnival toys. Keith was able to acquire several contacts in the time we were there, hopefully this will lead to additional members of KOSMO and another flying field. Finally it was time to pack up, head home and prepare for NARAM.

KANSAS ROCKET DRAGS - FFFF EVENT



One of the favorite KOSMO events each year is drag racing. This usually takes place during our late summer Final Frontier Fun Fly. The KOSMO style drag racing rules are simple (but different than the NAR rules):

- Your rockets must meet the minimum requirements for the class (See table below).
- Races are conducted in heats of two rockets at a time. Pairing is decided by drawing names from a hat. In the event of an odd number of participants, single "runs" must still be flown.
- Contestant may only use one model per class.
- Three points are awarded for each run. One for first off the pad, one for the highest altitude, and one for the first safely down. The flyer getting the most points wins that heat.

The following table includes the minimum specifications for all of the classes.

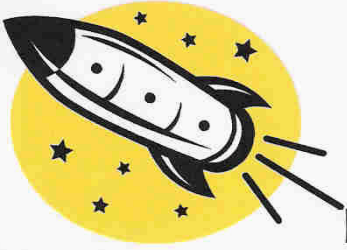
Name	Motor Impulse	Minimum Body Tube Diameter (inches)
Junior Drag	A	.75
Stock	B	1.00
Pro Stock	C	1.25
Top Gas	20n-s (D)	1.5
Top Fuel	E	2.5
Funny Car (Goony)	A	1.5 - 1.75

The "Top Gas" class is a 20 newton-second class. This means that your total motors must equal 20 n-s in impulse. Specifically, your rocket can use 2 "C" motors or 1 "D" motor.

The "Gooney" class must be at least 1.5 inches in diameter, but no more than 1.75 inches. The total body length, including nose cone should be no longer than 11 inches. A single "A" motor is allowed on the Gooney class. A good starting point would be the Estes Mini Bertha. A "whimsical" paint job is encouraged.

On all of the "racing" classes, a racing paint theme is encouraged.

Note: At the 2010 Final Frontier Fun Fly we will officially have drag races in the Junior Drag, Top Gas, and Funny Car classes. You are welcome to bring others and have "grudge" matches with each other if you wish.



**FINAL FRONTIER FUN FLY 2010
SUNDAY SEPT. 5TH - ELLINWOOD AIRPORT
ELLINWOOD, KS.**

10 AM -5PM

FLYERS \$3 (MEMBERS \$2)

BBQ @ NOON, NOMINAL CHARGE

10,000' FAA WAIVER

KANSAS ROCKET DRAGS ROUND ONE AT 1 PM

ALTERNATE DATE DUE TO WEATHER SEPT. 19



FALL EVENT - "NIGHTFLIGHT"

SAT. OCT. 23 HUTCHINSON FAIR GROUNDS 3-8 PM

DETAILS TO FOLLOW



**PART OF THE
KOSMO DISPLAY
AT THE NEWTON
EAA FLY IN**