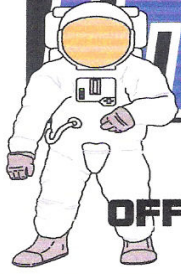


THE KOSMONAUT

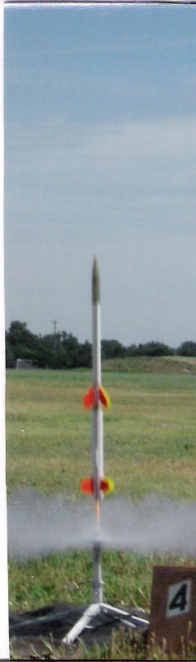


MAY-JUNE 2009

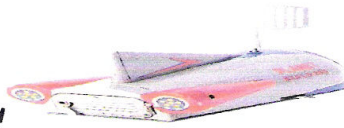
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COMPLETE KRAMO 29 COVERAGE



BY DUANE LANTERMAN



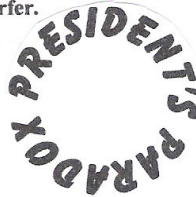
EDITORS RAMBLINGS

First off, congratulations to our Treasurer, Rick Calvert and his wife, Eddy, on the birth of their son, Rick Jr. (JR) We are looking forward to seeing little JR with an Alpha in about 5 years.

Looking forward to the next issue. Besides the coverage of the Barton Co. Launch , I plan on having all the other articles be by guest authors. This will be fun for me and exciting for you.

To make our club a little "greener" and to help our treasury, starting with the next issue we will give you the OPTION of a digital version of the newsletter instead of a mailed hardcopy. If you are on our clubs email list when a new issue is mailed out, you will receive an email with a link directly to a pdf file of the newsletter. By being on this list you will also be able to discuss issues with other club members. Those of us currently on the list have been enjoying this feature. To subscribe go to <http://lists.kosmo427.org/mailman/listinfo/kosmo/> If you don't want to be on the list, but would still like to be infomed of a new digital copy send a email request to info@kosmo427.org Of course, you can still continue to receive your hardcopy in the mail if you'd prefer.

See you next issue. DL



Well after some time and thinking about the Drag races planed for the FFFF launch I have decided on the new and or changes to the rules. At the yearly meeting it was decided that we introduce a few new classes of rockets to the drags and they were "A", "C" and Goony.

I also added a "B" class for future use. Thanks for help Duane and Mark. Duane in helping with BT size and Mark for the class names.

Class	Name	Minimum Bt. dia. In inches
A	Junior Drag	.75
B	Stock	1.00
C	Pro Stock	1.25
D	Top Gas	1.5
E	Top Fuel	2.5
Goony	Funny Car	1.5

I hope that the new classes will be fun and enjoyable as the D and E classes have been in the past.

I also want to add that the KRAMO launch was great even though it was all flown on the one good day that we had. It was good to see the flyers from the KC area come down to have a good time and also for Eric Martin to show up to fly his L1, DD, bird and also for his daughter to launch her rockets.

The next launch is at the BT. Co. Fair and I hope to see you there.

Keith Ravenstein

FRONT COVER: Steve Saner's scale model lifts off. Mark Johnson registers a flight as Reagan Martin prepares to fly. Duane Lanterman and his memorial Super Vega. The scale models at the "rocket show".

KRAMO 29 A SUCCESS BREEDS NEW INTEREST

REPORTED BY DUANE LANTERMAN. DATA COURTESY OF MARK JOHNSON

KOSMO'S long running contest, **KRAMO**, began a new era at its new field in Hutchinson, Ks. John Palmer had secured the good sized parking lot at the state fair grounds for our contest. Mother nature did not cooperate on Sat. as winds generally blew at 21-28 mph most of the day. Undeterred, we grabbed lunch at Ken's Pizza and then headed to the world famous Kansas Cosmophere. We first took in the planetarium show and then thanks to John's local connections took a free tour of the museum. After about two hours of roaming the artifacts, we hit the gift shop. We gathered for supper at the Lone Star steakhouse and then headed to the home of Mr. Palmer. John treated us to some of his scale models, his shop, collective photos, and some rocket videos. We made plans to be at the field the next morning at 9am.

Bob Wingate from the Kansas City Association of Rocketry (KCAR) group had joined us on Sat. and **Lee Walker** and **Blake Goddard** (yes, he is related to Robert) also came down from KCAR for the day. We had a total of 10 people competing and **Eric** and **Reagan Martin** of Tripoli joined us for some sport flying. Sixty six flights were put up on Sunday from the 9am opening until we broke early for what looked like impending rain about 3pm.

Everyone was game for spot landing and **Duane Lanterman** came in first with a respectable 8.05 meters, followed by **Ron Shipley** at 11.1 meters. Third was won by **Bob Wingate** at 17.0, but was very close as 4th, 5th, and 6th all had distances of 17 something.

"B" Helicopter produced a couple of very nice flights and some very fast shreds. **Keith Ravenstein** grabbed first with an outstanding single flight of 126 seconds. He used a **Rose-A-Roc** from **Fliskits**. **Bob Wingate** put in two solid flights of 50 and 44 seconds to gather up second. **Blake Goddard's** single flight of 14 seconds took 3rd.

Everyone gave 1/2A Boost Glide a try and **Blake Goddard** came out first with a 66 second total, including a meet best 37 second flight.

Ron Shipley came in second with a 46 second total and third went to Keith Ravenstein with 39 seconds. Third, fourth, and fifth we each separated by 2 seconds.

Only two eggs gave their lives in the 13 flights of "C" egg loft. First went to Duane Lanterman who caught a very nice thermal for time of 94 seconds. Second was captured by Keith Ravenstein at 66 seconds, and third went to Lee Walker with 51 seconds. Bob Wingate made the last launch of the meet and his model exceeded 60 seconds but was one of only one or two flights not returned .

There were 18 sport flights made ranging from A-H. Flights of interest included Mark Johnson Acme, Ron Shipley Nike Smoke Extreme on a D to B, Reagan Martins Astra Rainbow, and Eric Martins H165 dual deploy. Rick Calvert and Duane Lanterman launched a Sunward Pyramid on a G40. It bounced up and down on the pad as the motor chuffed , then took off only to land right side up before the ejection charge. The model suffered extensive burning inside. Blake Goddard managed to launch his scale Dr. Goddard 1927 model and the 1/8" launch rod simultaneously. Duane Lanterman paid tribute to his childhood friend and fellow rocketeer Ronnie Thomason who was laid to rest the day before. Duane had spent the past week building an original Estes Super Vega and after learning of Ronnie's passing added a "memorial decal" to the model. (Kosmo member Mark Johnson had worked several desks away from Ron at LSI for the past 10 years.) The model put in a perfect flight. Ron will be missed by all that knew him.

We ended the day at Ken's Pizza. Ron Shipley received the Traveling KOSMO Trophy (resurrected after a number of years of not traveling) for his work in digitizing 28 years of Kosmonaut newsletters. The club also presented him a gift card to Applebee's. We had our first "rocket show" at KRAMO and there were quite a number of entries. We all voted for our favorite scale model and John Palmer's Shuttle and Duane Lanterman's Mercury Redstone tied for first. They each received a trophy. Ribbons were handed out for each event first through third and the overall winner, Keith Ravenstein received the KOSMO Cup. We also presented Keith with a birthday card everyone had signed as Keith was again celebrating his birthday. I think everyone had a great time and plans will begin as we celebrate KRAMO's 30th edition in 2010.



TOP LEFT: ERIC MARTIN'S H165 DD MODEL. (INSERT) LIFTOFF !
TOP RIGHT : MARK JOHNSON LOADS HIS HELICOPTER MODEL.
MIDDLE LEFT: BLAKE GODDARD DISPLAYS HIS UNBROKEN EGG.
MIDDLE RIGHT: BOB WINGATE WITH HIS 2ND PLACE HELICOPTER MODEL.
BOTTOM: A BEAUTIFUL DISPLAY IN JOHN PALMER'S HOME.

KRAMO 29 DATA SHEETS

RAMO-29 Meet Champions

Place	Contestant	NAR Number	Section	Total Points
C Division				
1	Ravenstein, Keith	85732	427	764
2	Goddard, Blake	87273	505	580
3	Lanterman, Duane	6620	427	434
4	Wingate, Bob	35396	505	318
5	Shipley, Ron	43595	427	252
6	Walker, Lee	88375	505	204
7	Boris & Natasha Team	917	427	150
8	Palmer, John	73969	427	74
9	Saner, Steve	37251	427	42

Sections

1	KOSMO	427	1716
2	KCAR	505	1102

**** Open Spot Landing

Place	Contestant	NAR Number	Section	Flight 1	Total
	NAR Points				
C Division					
1	Lanterman, Duane	6620	427	8.05	805 80
2	Shipley, Ron	43595	427	11.1	1110 48
3	Wingate, Bob	35396	505	17.0	1700 32
4	Ravenstein, Keith	85732	427	17.17	1717 16
5	Goddard, Blake	87273	505	17.29	1729 8
6	Saner, Steve	37251	427	17.93	1793 8
7	Walker, Lee	88375	505	19.15	1915 8
8	Palmer, John	73969	427	36.75	3675 8
--	Boris & Natasha Team	917	427	EJ	0 0

**** B Helicopter Duration

Place	Contestant	NAR Number	Section	Flight 1	Flight 2
	Total NAR Points				
C Division					
1	Ravenstein, Keith	85732	427	126	
	126 420				
2	Wingate, Bob	35396	505	50	44
	94 252				
3	Goddard, Blake	87273	505	SEP	14
	14 168				
4	Boris & Natasha Team	917	427	SHR	6
	6 84				
--	Lanterman, Duane	6620	427	SHR	0
	0				
--	Palmer, John	73969	427	SHR	DQ
	0 0				



**Steve and John
prepare their
Spot landers.**

***** I/2A Boost Glider Duration**

Place	Contestant Total NAR Points	NAR Number	Section Flight 1		Flight 2
C Division					
1	Goddard, Blake 66 340	87273	505	29	37
2	Shipley, Ron 46 204	43595	427	25	21
3	Ravenstein, Keith 39 136	85732	427	23	16
4	Walker, Lee 37 68	88375	505	18	19
5	Lanterman, Duane 35 34	6620	427	18	17
6	Boris & Natasha Team 26 34	917	427	26	RB
7	Palmer, John 14 34	73969	427	8	6
8	Wingate, Bob 7 34	35396	505	7	SEP
9	Saner, Steve 34	37251	427	4	4

****** C Egg Lofting Duration**

Place	Contestant Total NAR Points	NAR Number	Section Flight 1		Flight 2
C Division					
1	Lanterman, Duane 320	6620	427	94	94
2	Ravenstein, Keith 66 192	85732	427	66	EGG
3	Walker, Lee 51 128	88375	505	51	39
4	Goddard, Blake 46 64	87273	505	46	27
5	Boris & Natasha Team 41 32	917	427	41	15
6	Palmer, John 26 32	73969	427	20	26
--	Saner, Steve 0	37251	427	EGG	0
--	Wingate, Bob 0	35396	505	NR	0



**Rick and Duane's
G40 Pyramid chuffs
on the pad !**

KOSMO 2009 LAUNCH CALENDAR



BARTON CO. FAIR LAUNCH, SUNDAY JULY 12TH - GREAT BEND, KS. Launch Begins at 11:30, rockets launched belong mainly to 4H members who display at the Fair. KOSMO members are welcome to attend. Launch is open ended but will probably end no later than 2pm. Call 620-617-6443 for location and weather info day of launch if you attend. Class 1 rockets.

FINAL FRONTIER FUN FLY SUNDAY SEPT. 6TH - 9AM-5PM - ELLINWOOD, KS. AT ELLINWOOD AIRPORT OR LANTERMAN FAMILY FARM DEPENDING ON CROPS. 10,000' FAA WAIVER - INCLUDES KANSAS ROCKET DRAGS (*NEW CLASSES INCLUDE JR. DRAG, PRO STOCK, AND GOONEY, DETAILS IN THE JULY/AUG. KOSMONAUT*) BBQ AT NOON. MEMBERS \$3, NON-MEMBERS \$4

NIGHTFLIGHT SAT. OCT. 24TH ELLINWOOD, KS. AT ELLINWOOD AIRPORT OR LANTERMAN FAMILY FARM DEPENDING ON CROPS. 10,000' WAIVER 2PM-6PM, BBQ FROM 6PM-7 PM, LIGHTED CLASS 1 ROCKETS LAUNCH FROM 7PM-8PM. MEMBERS \$3, NON-MEMBERS \$4

LOW AND SLOW SATURDAY NOV. 7TH MARK AND BONNIE JOHNSON RESIDENCE, WICHITA, KS. 2PM-5PM, LIMITED TO 1 POUND ROCKETS AND 400' ALTITUDE. PIZZA FOLLOWING LAUNCH. FLY FREE, EAT FOR FIVE BUCKS !

=Kansas Organization for SpaceModeling=

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Mark, Steve, Keith, and John engrossed in a display in the V2 room at the Cosmophere.