

## ANNUAL MEETING KICKS OFF YEAR

BY Duane Lanterman

The 2009 KOSMO year started out with the annual meeting, this time at the Lanterman residence, with 12 members present. They included Duane and Sharon Lanterman, Keith Ravenstein, Mark, Bonnie, and James Johnson, Steve Saner, Ron Shipley, Fred Smith, Kathy McGinnes, John Palmer, and Dennis Elder. We all enjoyed a meal of Pizza Hut Pizza and veggies to start the day. We watched a video of FFFF 2 during the meal.

President Keith Ravenstein called the meeting to order promptly at 12:45. We approved last years minutes, had a Treasurer report (by proxy as Rick Calvert was at a meeting undergoing Verizon brainwashing, er, training), and discussed some old business.

The first order of new business was election of 2009 officers. The results were as follows -

President	Keith Ravensterin
Vice-Pres	John Palmer (new)
Secretary	Duane Lanterman
Treasurer	Rick Calvert
Liason	Mark Johnson
Web	Steve Saner (new)
Historian	Ron Shipley

In regard to this last position, historian, Ron Shipley presented each person with a DVD entitled "Kansas Organization for Space Modeling, KOSMO. DVD Archives 1980-2008". This 4.2 Gb collection contains all the issues of the Kosmonaut, our club newsletter, for this period of time, as well as other documents, and a photo section. Ron spent many, many hours scanning this data into his computer. It is awesome! In appreciation for all his hard work, the recently rediscovered *KOSMO Traveling Trophy* will be presented to Ron at KRAMO in June.

KOSMO member Steve Saner is a network administrator for an ISP in Wichita. He had approached Keith about the possibility of enhancing the clubs website, possibly with a domain name and the ability to post a message with all other members able to receive. Since he has his own personal server, he would be willing to host the clubs website at no charge and to manage it also. We checked with Wonda Cass who has done a wonderful job, the past number of years, providing a website for the club on her personal page. She seemed willing to return her address back to a site for Allen and Ed's and the family's rocket activities. We appreciate all the time Wonda put into this. The club's new website will be [www.kosmo427.org](http://www.kosmo427.org). You will be notified when it is up and running.

The idea of two new drag racing classes was discussed, Gooney rockets (A impulse) or a C impulse class. These were tabled for later discussion.

Club secretary Duane Lanterman discussed the possibility of a KOSMO club member directory in the Fall and the possibility of putting the KOSMONaut on the new website for members who might like to receive a digital version instead of a hard copy. This would save the club a substantial amount in postage and allow members to download a color version.

Thanks to the work done by John Palmer we will have a new launch field in Hutchinson at the State Fair grounds. The first launch there will be in April and our competitive launch, KRAMO , will find its new home there in June. Some discussion followed on what limitations would be placed on sport launches there and it was decided to allow Class 1 rockets on the field (this new term is examined in an article in this issue) . However, the Range Safety officer would have to determine that the model could be reasonably recovered within the parameters of the launch field.

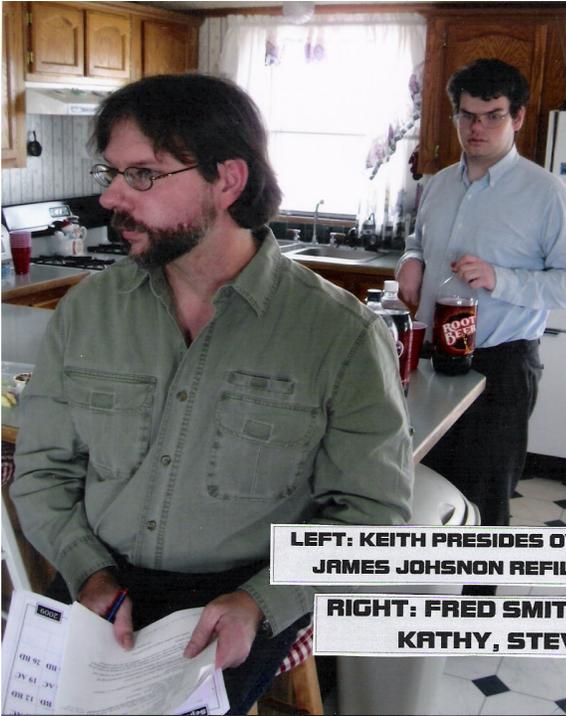
Kathy McGinnis, rocketry project leader in Barton County, gave here progress report. Last year she only had several kids in the project, but this year it has grown to a dozen or more. They recently completed a rocket building project during Christmas break. They are planning a trip to the Cosmosphere this Spring to include the IMAX theatre, planetarium, the Hall of Space Museum, and Dr. Goddard's Lab. She is hoping to have the young peoples rocket project done by the end of April so they can focus on their other fair projects. We are hoping to extend the launch window at the Barton Co. Fair to allow for the increase in 4H'ers and encourage some of the out of town KOSMO members to participate.

We were joined at the meeting by new member Dennis Elder. Dennis flew with us quite a number of years back and has been active in 4H in his part of the county. He also represented KOSMO member Philip Scheuerman who has taken on a leadership roll in 4H in western Kansas.

The meeting as always included setting the launch calendar for 2009 and events for KRAMO 29. (which are the same as KRAMO 28 due to its cancellation due to weather). These are detailed in the Launch Calendar in this issue.

Keith drew the meeting to a close at approximately 2:45 with a short report on potential new members. We moved to the dinning room where door prizes were drawn and members shared rockets they had brought along. Fred Smith showed several fin jigs he had made based on his bow and arrow experience. He also showed a model based on the Titan rocket that had a number of different fin cans and motor arrangements. Duane Lanterman displayed his flown Golden Scout and certificate from Glenda and Vern Estes. Keith Ravensterin showed a model he began building during last years county fair. Lastly, Ron Shipley wowed us with his scale model of a Nike Hercules. He brought along a plastic scale model he started with and then based his flying model off the it along with extensive scale data he found online. It features many hand made parts and details. We were all impressed with his work.

We moved down to Duane's shop in the basement and talked about modeling in general until most everyone took off for home around 4:30. It was a full day and a good start to the 2009 season.



**LEFT: KEITH PRESIDES OVER THE MEETING AS JAMES JOHNSON REFILLS A SOFT DRINK.**



**RIGHT: FRED SMITH EXPLAINS HIS FIN JIGS AS KATHY, STEVE, AND RON LISTEN**



**LEFT: RON STANDS NEXT TO HIS FLYING NIKE HERCULES. STATIC MODEL TO LEFT.**



**RIGHT: MARK JOHNSON PICKS UP FRED'S TITAN BASED MODEL. DENNIS ELDER LOOKS ON.**

**A**s I sit here with the February

built rockets inside I have to think what I really do hope it will be better than it

really was not that bad, There was times that it was disappointing that the wind was blowing too much to be able to launch and during those times there was great fellowship and fun times otherwise.

The January meeting went fast and furious due to the fact that there was quite a few things on the table to be discussed in such a short time frame. There were some changes discussed and made for the up in coming year and hopefully they will be for the better.

Mark Johnson step down from the position of the NAR contact and Steve Saner agreed to fill that opening, Mark will still be the NAR liaison though.

John Palmer was nominated for the V-presidents position and He accepted and was voted in.

Steve Saner proposed that he would be willing to set up a new club web page with a new domain name for the club and would be willing to maintain it also and that was also voted in and he has a page set up that's under construction and can be viewed at [dev.kosmo427.org](http://dev.kosmo427.org). The new domain name is [kosmo427.org](http://kosmo427.org). To be able to view the page you have to inter a user name and password for the time frame and they both are "kosmo".

I want to thank Wanda for the use of their web page and maintaining for the club for the last few years, she did a great job with keeping the clubs information updated and current. **Thanks Wanda.**

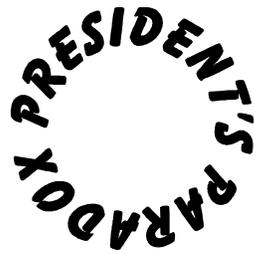
It was proposed to have a couple of new classes of drag races to be implemented in the club and the classes are a "A" and "C" impulse. The reason for this change is mainly the economy right now and the price of the larger motors and also to allow the younger members to participate in the fun also with their rockets. The details for these new classes have not been established yet but they will be in the future so every one will know what to expect for the FFFF launch.

One of the disappointing events of this year has been the closing of a local hobby shop. The hobby shop up in Hays "Around the World" closed their doors early this month. I went up there in January to see about putting some information about the club there and that's when I found out about their closing. On their last day open I went out on a limb and made a deal with them and that was to purchase their entire remaining inventory of rocket supply and I decided to put it up for resale to the club members at a slightly reduced price. After my cost for the items is made the remainder of the proceeds will go to the club to help out with our dwindling funds. The list of items is in this issue, the sale of these items are on a first come basis and if you contact me and let me know what you want I will set it aside and have it for you at the next launch. I will also be bring the items to the launches for purchase on site.

The club still has a few of the hats left for sell and they also will be available at the launches.

Monica and I celebrated our 10 year anniversary this year with the full wedding that she has always wanted and it was very nice. We then went to Hutch for a few days afterwards and visited the Underground salt mine and did enjoy the tour. It was one of those events that is good to see at least once in a life time just to see how it is done and what it is like. I don't think that I would quit my present job and rush over there to work but all in all it was interesting and I would recommend if you had the extra time and funds take a day and go see it. I thought of posting some pics but black and white does not do the colors of the minerals and the salt justice.

Well it looks like my page is almost used up for this issue and I just want to close by thanking all the members that showed up at the yearly meeting and to Dennis Elders who decide to become a member this year instead of lurking in the background. Also Duane and I will be trying to get the newsletter set up in a digital format so it can be e-mailed to those members who have internet capability and would like to have it received that way and one of these days it will be available on the web page in color. May be in red or purple depending what mood that I am in at the time but never in green.



wind howling outside and numerous un-

is this years rocket season going to be like? was last year and in thinking back on it, it

*Keith Rarenstein*

I recently bought all of the remaining rocket inventory from a hobby shop that was going out of business.

I figured up my cost and then I went on line and looked at A2Z hobbies price and I came up with a Club price. The club will get the proceeds of the price after my cost to help the club. I listed the price that the Hobby shop was selling the items for also.

I will have these items at the launches or you can contact me to hold the items that you would like for me to set aside for you.

Thanks Keith Ravenstein Cell# 620-786-0946, E-mail - fstngo@hotmail.com

Qty	Motor	Hobby Shop Price	A2Z price	Club price
6	1/4A3-3T	5.95	5.58	5.00
6	1/2A3-4T	4.95	5.58	5.00
3	1/2A6-2	5.95	5.58	5.00
4	A3-4T	5.95	5.58	5.00
3	A8-5	6.95	5.58	5.00
4	A10-PT	5.95	5.58	5.00
3	B4-2	6.95	5.58	5.00
5	B6-0 Quest	5.95		5.00
10	B6-0	6.95		5.00
3	B6-2	6.95	5.86	5.00
1	B6-4	6.95	5.86	5.00
2	B6-6	6.95	5.86	5.00
3	C6-3	7.95	6.58	6.00
2	C6-5	7.95	6.58	6.00
1	C11-0	8.95		8.00
1	C11-3	8.95	8.05	8.00
5	C11-7	8.95		8.00
1	D11-P	9.95	9.52	9.00
3	D12-7	10.95	9.52	9.00
1	E9-P	14.95		13.00
2	E9-4	14.95	13.59	13.00
6	E9-6	14.95	13.59	13.00
2	E9-8	14.95	13.59	13.00
9	6 Igniters	4.95	3.94	3.00
3	Recovery wad	4.95	4.11	4.00
1	Asso. Launch lug	5.95	5.65	5.00
1	1/8"Launch rod	10.75	9.55	7.00
1	E launch pad	24.95	25.97	20.00
1	Alpha III Kit	12.95		10.00

1 electron beam launch controller and porta pad from a kit. Make offer

# NIKE SMOKE - CLUB ROCKET FOR '09

By Steve Saner and Duane Lanterman

We haven't done this for awhile, but from time to time we have decided on a club rocket project. This is a rocket of a well known design and everyone that is interested is encouraged to build their own version to bring to one of the club launches. This year we have decided to build the famous Nike Smoke. So go buy a kit or get out your scale data and start smoking'. Some available kits include the Cosmodrome Rocketry 1/6 kit or Quest 1/12 kit. The Sept./Oct. issue of the Komsonaut had drawings of a *Pringle Can* model by Joe Peklicz and our new website has a PDF scale drawing available.

## NEW CLUB WEBSITE COMING SOON

Steve Saner has begun work on our club's new website, [www.kosmo427.org](http://www.kosmo427.org). It is in the development stages at present and should be up and running in several weeks. Our next newsletter will have more info. Stay tuned !

## KOSMO ARCHIVE DVD AT HIT !

By Mark Johnson

Ron Shipley's latest project, the KOSMO DVD Archives 1980-2008 was presented to members at the annual meeting. One copy went to Art Nestor, the NAR Historian. He says we have now turned over the biggest collection of items, in terms of data volume, of anybody - in other words, we more than doubled his archives.

I would guess we don't have as much highly-technical content as the old MIT Rocket Society collection - but he was still very pleased to get the stuff - and quite impressed.

## NEW ROCKET CLASSES

INFORMATION FROM NAR'S WEBSITE

The FAA recently published new regulations effective Feb. 2, 2009 that create several new classes of amateur rockets. Classes 1 and 2 are of most interest to NAR members.

**CLASS 1** - This new class used to compose what was known as model and large model rockets. Class 1 rockets means that the rocket-

- \* uses no more than 125 grams (4.4 oz.) of propellant
- \* uses a slow burning propellant
- \* is made of paper/wood/or breakable plastic
- \* contains no substantial metal parts
- \* weighs no more than 1,500 grams (3.3 pounds), including propellant

Under the old rules, *large* model rockets required prior *notification* of the FAA.

**CLASS 2** - Covers high power rockets up to 40,960 N-s total impulse. While the old rules prohibited flying unmanned rockets into controlled airspace, the new rules do not. The new rules do require prior authorization before launching into controlled airspace or within 5 statute miles of any airport boundary. These applications for Waiver or Authorization must be made within 45 days of the proposed operations. This is part of the operating limitations for Class 2 High Power Rockets. Our club president is currently working on getting the proper authorization for SpringFest, Final Frontier Fun Fly, and NightFlight, all near the Ellinwood Airport, and hopefully a standing waiver for the year.



# Editors's Ramblings

by Duane Lanterman

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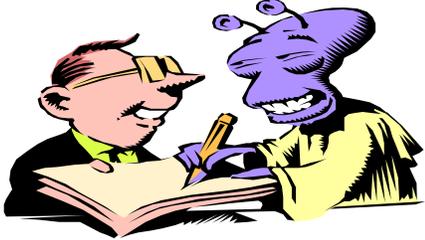
I'm writing this as I recover from Hernia surgery. I seem to have a long list of projects under my 20 pound limit that await me.

Oh, what an exciting start to our new launch year. We have some new FAA rules which I think will make our sport, particularly large model rockets, much more appealing to the masses. For example, one can finally take that AeroTech model, the majority which weight over 1 pound with motor, and just go out and launch it with friends, without a call or fax to the FAA. The majority of my models fall under 3.3 lbs., so I can take that RockSim designed model, like my Eagle 429, and launch it on two G motors (under 125g) in isolation out at the farm (with my level one licence), instead of waiting for a club launch or seeking a notification on my own.

With the new flying field at Hutchinson, and the enthusiasm I'm feeling from the members, this year should be great. As a reminder, the first launch is fast approaching. Saturday March 14<sup>th</sup> will be here before we know it. Get out the super glue, the sandpaper, and get busy! Let's get out there and FLY IN '09.

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## WELCOME NEW MEMBER DENNIS ELDER !!



**BISON, KANSAS**



# K O S M O



## *Kansas Organization for SpaceModeling*

THE KOSMONAUT IS PUBLISHED BI-MONTHLY BY THE KANSAS ORGANIZATION FOR SPACEMODELING, NAR SECTION #427. SUBMISSIONS ARE ENCOURAGED ! SUBSCRIPTIONS ARE \$8 FOR 6 ISSUES. YOU CAN BECOME A KOSMO MEMBER (INDIVIDUAL/FAMILY) FOR ONLY \$10 A YEAR, WHICH INCLUDES A KOSMONAUT SUBSCRIPTION. THE EDITOR IS DUANE LANTERMAN, 642 N. HOMESTEAD DR., GREAT BEND, KS. 67530 AND CAN BE E-MAILED AT [rocketsandracing@cox.net](mailto:rocketsandracing@cox.net) **SUBSCRIPTIONS OR MEMBERSHIPS SHOULD BE SENT TO RICK CALVERT, 1227 281 BYPASS, GREAT BEND, KS. 67530.**

# **KOSMO 2009 LAUNCH CALENDAR**



**SPRINGFEST - SAT. MARCH 14 10AM-5PM ELLINWOOD AIRPORT, ELLINWOOD, KS.**

**10,000' WAIVER PENDING FAA APPROVAL , OTHERWISE CLASS 1 ROCKETS  
BBQ AT NOON, MEMBERS \$4, NON-MEMBERS \$3 CALL 620-793-7491 OR 620-786-0946  
FOR WAIVER UPDATE OR WEATHER UPDATE**

**SPRINGFEST BACK-UP DATE, MARCH 28 SAME TIME, SAME PLACE**

**CLUB LAUNCH AT THE FAIR GROUNDS - SAT. APRIL 25<sup>TH</sup> - STATE FAIR GROUNDS  
PARKING LOT, HUTCHINSON, KS. 1PM-5PM, CLASS 1 ROCKETS THAT CAN  
REASONABLY BE RECOVERED IN THE LAUNCH AREA. LAUNCH SITE MAP WILL BE  
AVAILABLE ON OUR WEBSITE SOON.**

**KRAMO 29 JUNE 5 AND 6 FAIR GROUNDS PARKING LOT, HUTCHINSON, KS. SAT.  
10 AM-5PM, SUNDAY 10AM - 4 PM. OFFICIAL NAR COMPETITIVE EVENTS INCLUDE-  
OPEN SPOT LANDING, "B" HELICOPTER DURATION, 1/2A BOOST GLIDE DURATION,  
"C" EGGLOFT DURATION. UNOFFICIAL EVENT: SPORT SCALE, BASED ON  
PEOPLE'S CHOICE VOTING. SPORT FLYING BOTH DAYS LIMITED TO CLASS 1  
ROCKETS THAT CAN REASONABLY BE RECOVERED IN THE LAUNCH AREA.  
RIBBONS AND TROPHY FOR COMPETITIVE EVENTS. CONTESTANTS -ADULT \$7,  
YOUTH \$5, SPORT FLYERS \$1.**

**BARTON CO. FAIR LAUNCH, SUNDAY JULY 12<sup>TH</sup> - GREAT BEND, KS. TIME  
DETAILS TO BE ANNOUNCED, CLASS 1 ROCKETS**

**FINAL FRONTIER FUN FLY SUNDAY SEPT. 6<sup>TH</sup> - 9AM-5PM - ELLINWOOD, KS. AT  
ELLINWOOD AIRPORT OR LANTERMAN FAMILY FARM DEPENDING ON CROPS.  
10,000' FAA WAIVER - INCLUDES KANSAS ROCKET DRAGS (CLASSES TO BE  
ANNOUNCED) BBQ AT NOON. MEMBERS \$3, NON-MEMBERS \$4**

**NIGHTFLIGHT SAT. OCT. 24<sup>TH</sup> 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. 7<sup>TH</sup> 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 !**