

THE OFFICIAL JOURNAL OF THE KANSAS ORGANIZATION
FOR SPACEMODELING

the **KOSMONAUT**



JANUARY/FEBRUARY 2014 VOL. 33 NO. 1



Illustration 1: JOE WARNOCK AND HIS ALPHA-1

ANNUAL MEETING COVERAGE



Illustration 2: JOHN PALMER'S ATLAS 5 - FRED SMITH'S MINOTAUR



Illustration 3: KEITH RAVENSTEIN AND COMPONENTS OF HIS NEWEST LEVEL 3 ROCKET

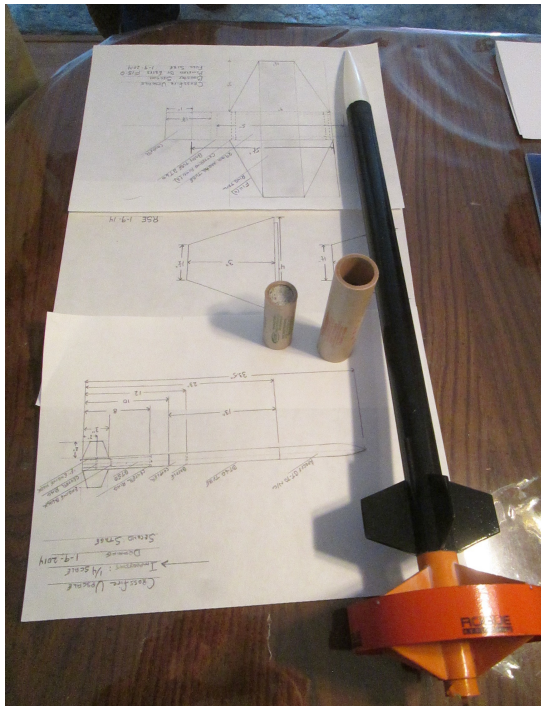


Illustration 4: DRAWINGS OF DUANE LANTERMAN'S UPSCALE CROSSPOINT



Illustration 5: KEITH CONDUCTS THE MEETING, COCOA SLEEPS

COMPLETE COVERAGE OF *KOSMO ANNUAL MEETING*

REPORTED ON BY KOSMO SECRETARY DUANE LANTERMAN

The annual KOSMO meeting was called to order after a pizza lunch at 1 pm on Jan. 12th by president Keith Ravenstein. Those in attendance included John Palmer, Steve Saner, Duane and Sharon Lanterman, Joe and Peggy Warnock, Dennis Elder, Kwinter Hartshorn, Traci Ross, Keith Ravenstein, and Fred Smith. The minutes of last years meeting were read by Duane Lanterman, secretary. The treasurers report was read by Sharon Lanterman and in a feat the Federal government could never approach, noted that we spent \$547.88 and took in \$547.50 leaving the checking account a meager 38 cents less than at the beginning of the year.

The current officers were reelected by unanimous railroading, er, vote ! Those positions are -

PRESIDNET – KEITH RAVENSTEIN

VICE-PRESIDENT – JOHN PALMER

SECRETARY- DUANE LANTERMAN

TREASURER – SHARON LANTERMAN

SR. ADVISOR / CONTEST DIRECTOR – STEVE SANER

WEBMASTER – STEVE SANER

HISTORIAN – RON SHIPLEY

The annual meeting is the one time we gather to set the launch calendar and KRAMO Regional contest events. The calendar and events can be viewed on individual pages elsewhere in this issue.

Kwinter Hartshorn will be our Jr. NAR sponsored candidate. Keith Ravenstein has developed a Level 1 kit that cost approximately \$65. The club voted to provide one of these kits per year to a member seeking the NAR's Jr. High Power certification. It was also voted to provide an appropriate motor to the candidate that would be sponsored by one or more club members.

The club did not feel the need to request a grant from the NAR this year. However, it was decided to purchase new deflector plates for the pads and Steve Saner volunteered to check on prices of stainless steel 4 foot 1/8th and 3/16th rods to be purchased with club funds.

Sometime was spent discussing the NAR Fly It/Take It event at this years NARAM. It was finally decided that individual members would build models for 18mm motors and bring them to various club launches through KRAMO. The collected rockets will be delivered in person at NARAM. A goal of 12-15 rockets was set. John Palmer will affix a small KOSMO flag logo to each rocket donated.

Club hats and shirts were briefly discussed but tabled to next year and our club's 35th anniversary.

It looks like a number of members are planning to make at least the sport flying portion of NARAM and Steve Saner and his wife Peri plan to attend the upcoming NARCON in Florida. (We will be expecting a full report Steve !)

Dennis Elder introduced our newest Jr. member Traci Ross from Rush Center. Welcome Traci ! We look forward to seeing you at our club launches.

Meeting adjourned at 3 pm.

-ANNUAL MEETING CONTINUED - ANNUAL MEETING CONTINUED -

After the meeting, Joe Warnock shared with us a rocket that had special meaning for him. This summer while shopping in a small mom and pop store he ran upon a Alpha-1 rocket in it's original box. Back in 1966 an Alpha-1 was Joe's first rocket, powered by vinegar and baking soda. Joe revealed a story on how he "acquired" the original kit (and advised the junior members *not* to try this method). The whereabouts of the original kit are unknown, but perhaps an Estes engine found its way into the rocket and "the rest is history." A big thank you to Joe and Peg for making the 4 hour journey from Independence Kansas to Great Bend.

Winter projects on display included components of Keith Ravenstein's newest Level 3 rocket, Fred Smith's brightly painted and nicely finished Quest Minotaur. Steve Saner showed his major sewing project, a 7 foot parachute for his Level 2 rocket. John Palmer had his nicely detailed Atlas 5 rocket kit from DFR Technologies. He commented that the plastic detailing was made on a 3D printer and presented some painting challenges. The most effective method of painting seemed to come from dunking the parts in paint. Duane Lanterman had some mechanical drawings of his proposed 1.6X upscale of the Crosspoint 2-stage rocket.

A few members then retreated to the basement for a quick look at Duane's shop. An interesting discussion on finishing techniques for balsa fins ensued. Now that the schedule and events have been set, it is time to take advantage of the remaining Winter season working in our respective shops and visualizing our rockets flying into the Spring Kansas skies.

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from the editor's desk

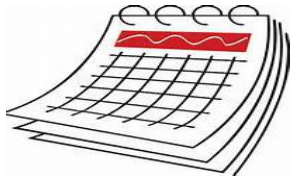
by Duane Lanterman

Here we are, the first issue of the KOSMONaut in 2014 and our 33rd year of publication. That is quite a feat for a club newsletter. In 2014 our club begins it's 34th year of existence and that too is quite impressive. We have a number of new members and it is encouraging that they are Jr. members. Any organization needs youth in order for it to have a

future. We also we will hosting our 34th edition of our competitive contest KRAMO. That event has tied the club together through all the years and from that have come our high power launches and our Class One sport rocket launches. We were honored to have one of the charter members at our annual meeting Joe Warnock. He goes back to day one. His wife Peggy was also on hand and was a very early member. Mark and Bonnie Johnson are current members now living in Columbia, Mo. They too are charter members. With that history behind us, we look forward to 2014 and another exciting year of launches.

The KOSMONaut is published bi-monthly by the KANSAS ORGANIZATION FOR SPACEMODELING NAR SECTION #427. Hard copy subscriptions are \$8 for 6 issues. Membership is only \$10 a year and includes the KOSMONaut (digital version or hard copy, please specify when you join or renew) Membership also has the benefit of reduced fees at launches. Newsletter editor is the current KOSMO secretary Duane Lanterman and submissions are encouraged and can be sent to rocketsandracing@cox.net. Membership and subscriptions checks should be made out to KOSMO and sent to Sharon Lanterman, 642 N. Homestead Rd. Great Bend, Ks. 67530.





KOSMO 2014 LAUNCH CALENDAR



MARCH 8 SAT. SPRINGFEST ELLINWOOD AIRPORT

10 AM TO 5PM 10,000' FAA WAIVER

MARCH 22 SAT. ALTERNATE DATE FOR SPRINGFEST DUE TO WEATHER

APRIL 5 SAT. KOSMO SPORT LAUNCH HUTCH FAIR GROUNDS PARKING LOT

10 AM TO 5PM CLASS 1 ROCKETS

MAY 3 SAT. KOSMO SPORT LAUNCH HUTCH FAIR GROUNDS PARKING LOT

10 AM TO 5 PM CLASS 1 ROCKETS

MAY 31-JUNE 1 KRAMO 34 SEE SEPERATE PAGE THIS ISSUE FOR DETAILS

AUG. 23 SAT. KOSMO SPORT LAUNCH HUTCH FAIR GROUNDS PARKING LOT

8AM TO 12 PM (NOTE THIS IS A MORNING LAUNCH) CLASS 1 ROCKETS

SEPT 6 SAT. FINAL FRONTIER FUN FLY ELLINWOOD AIRPORT OR LANTERMAN

FARM 10AM-5PM 10,000' WAIVER SPECIAL EVENT "JR. ROCKET DRAGS"

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 CLASS 1 ROCKETS- 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 THOSE THAT CAN BE REASONABLY RECOVERED WITHIN THE FIELD – LEVEL ONE AND TWO LICENSING AVAILABE AT THE ELLINWOOD FIELD – BBQ LUNCH AVAILABLE AT THE ELLINWOOD SITE – ALWAYS CHECK www.kosmo427.org FOR LAST MINUTE CHANGES DUE TO WEATHER OR OTHER FACTORS OR CALL **620-282-7960** DAY OF LAUNCH FOR UPDATES