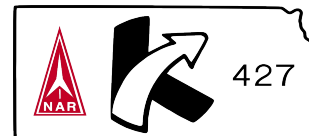




THE OFFICIAL JOURNAL OF
THE KANSAS ORGANIZATION FOR SPACEMODELING



KOSMO - NAR #427

the KOSMONAUT

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VOLUME 38 NO 5"B"

KOSMONaut's GATHER IN ELLINWOOD FOR FFFF

Duane Lanterman - reporting



FFFF – continued This year's FFFF had a fairly small crew but everyone who came enjoyed the day. Special thanks to Bob Wingate who made the long haul from Independence Mo. And Linton Bayless who traveled from Shawnee Mission Ks. We were joined briefly by members Brad and Robin Smith from Leavenworth as they and their 2 dogs, trailer in tow, were just beginning their 2 week journey to states north and west. We also welcomed new local members Dustin Wyant and his son.(They had one of two cato's experienced during the day.) After lunch we were joined by Jay Bailey, a Level 3 Tripoli guy from Pratt. He came out to see what we were doing and ended up helping look for several rockets. Steve Saner from Andover wowed us with his I140 flight and his pin point recovery aided by GPS. KOSMO President Keith Ravenstein was once again on hand setting up prior to the launch and offering encouragement to those flying and even launching one himself. Sharon Lanterman cooked up some hot dogs for lunch and even the store bought cookies seemed home made as they were warmed by the 95 degree Kansas sun. Duane Lanterman finally got his 1/100 scale Saturn V in the air after the model had been setting unassembled in his shop for 30 years. Later, his "American Flyer" after lifting off on a I205 disappeared into what we thought was the nearby milo field. Four or five members spent over an hour in the hot sun looking to no avail. (Duane returned to the field 4 times over the next month including once with a new friend who had a drone. It was found shortly afterward as the soybeans were harvested just north of the suspect field, undamaged) Duane wants to express his thanks for those who looked for his rocket and gave up launching some of their own rockets that day. As always we drove into Ellinwood for food after the launch and even though the service was especially slow that day we were able to visit more and catch the end of a college football game on their TV that went into overtime. Looking forward to one more launch in Ellinwood this year in October.



Illustration 1: Steve's very nice flight and GPS aided recovery



Illustration 3: Duane's Saturn V on an E30



Illustration 2: New members Dustin and DJ Wyant

Front cover photos: top left, a Centuri Quasar built by the late Dave Bucher lifts off. Top right, Duane's American Flyer leaps from the pad. Bottom: L to R, Duane and Sharon Lanterman, Dustin Wyant and son, Bob Wingate, Steve Saner, Keith Ravenstein, Brad and Robin Smith and Dr. Linton Bayless.



Two views of our first “cato” of the day at FFFF, a D12 which resulted in a small fire that was quickly extinguished. Thanks to the *NAR Safety Grant* over the years we have purchased tarps for the ground, portable extinguishers (several visible in the photos) and most recently a much larger source of water attached to President Ravenstein's pickup. The rocket belonged to new members the Wyant's who said “ Not exactly what we had in mind for our first launch in the club !”



Above: *KOSMO* vice-pres. Bill Lindsey with wife Tina after getting his Level 2 cert at LDRS in Argonia.



Dennis Elder with Duane Lanterman just after completing construction of his Level 1 rocket. After putting some color on this model he hopes to have it at Rocket'tober for his high power cert.

Congratulations Mr. Palmer !

The NAR through the summer held a photo submission contest focused on the Saturn V. Our own John Palmer (aka Mr. Scale) submitted numerous photos to the contest and John just recently received this email from the NAR. “ We have concluded the Saturn V contest. A photo that you submitted has been chosen as one of the winning photographs. Congratulations. You have won a one year extension to your existing NAR membership. Thank you for participating in this contest.” We KOSMONauts also want to extend our congratulations to you John.

WELCOME NEW MEMBERS

We would like to welcome several new members . Robert (Bob) Wingate of Independence, Mo has been flying with us for decades as a member of KCAR out of the Kansas City area. That group has disbanded as a formal section but several in the area are still active in rocketry. Bob has been a long time competition flier and sport flier. Welcome officially to our group Bob ! Also welcoming Dustin and DJ Wyant of Great Bend. Dustin works with our club's president Keith and they attended our recent FFFF and joined our group. Welcome guys, we look forward to getting to know you better and having you out at our launches.

40 YEARS AND COUNTING !!

The year 2020 will mark the 40th anniversary of our section NAR #427. That is quite an accomplishment and is worthy of celebration. In addition to that, our yearly competitive event, KRAMO, is going to be 40 also. Wow! So, your editor is asking you to think about how we can celebrate and honor this achievement. I would imagine that most of the planning will happen at our annual meeting in Jan. of 2020 but its not too early to think of what we want to do and hopefully some ideas will be shared at our final launch this year in November in Hutchinson.

40 YEARS OF GOOD CLEAN FUN AT MACH 1 !

photo credits this issue – Bob Wingate and Duane Lanterman

FRS RADIOS WORK WELL

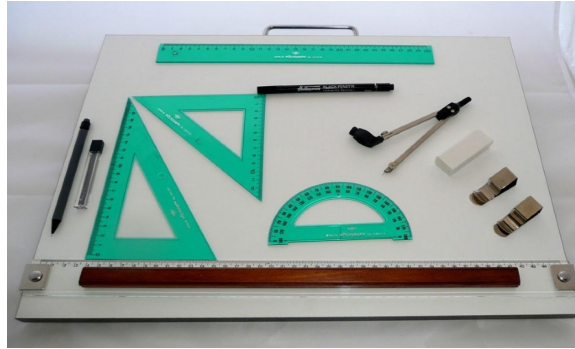
As part of our NAR Safety Grant this year we purchased 6 FRS radios. These units came with rechargeable batteries. They got a good test at our recent FFFF launch and lets just say they have already proved them selves a worthy investment. Thanks Steve Saner for securing these for the club.

CHECK US OUT ON FACEBOOK: If you haven't done so already KOSMO has a Facebook page. Just search Kansas Organization for Spacemodeling(KOSMO) . We currently have 138 followers. There you will find photos, videos, space stuff, and info on upcoming launches and updates as launches approach and we try to outwit the Kansas weather.

We also have a webpage at www.kosmo427.org which has updates on launches, current and past issues of “the KOMSONaut”, maps of our launch sites and so much more.

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 \$15 a year and includes the KOSMONaut (digital version or hard copy, please specify when you join or renew) AND launch fees for all events except KRAMO. Newsletter editor is the current KOSMO secretary Duane Lanterman. Membership and subscriptions checks should be made out to KOSMO and sent to KOSMO Treasurer Sharon Lanterman, 642 N. Homestead Rd. Great Bend, Ks. 67530.

NEW CLUB ROCKET IN THE WORKS



OVER THE PAST NUMBER OF YEARS KOSMO PRESIDENT KEITH RAVENSTEIN HAS PRODUCED TWO VERY SUCCESSFUL CLUB ROCKETS, BOTH BASED ON MOSTLY LOC PARTS AND 3" IN DIAMETER. A NUMBER OF MEMBERS HAVE MADE THESE KITS THEIR LEVEL ONE KITS. THEY HAVE PROVEN TO FLY VERY WELL, EASY TO BUILD, AND DURABLE. WELL, KEITH IS AT IT AGAIN.

KEITH RECENTLY POSTED ON OUR CLUB'S EMAIL LIST -

"I JUST WANTED TO LET ALL INTERESTED PARTIES KNOW THAT THERE WILL BE A NEW CLUB ROCKET COMING OUT. IT IS IN THE DESIGN STAGE NOW AND WILL BE ANOTHER 3" DIA. ROCKET."

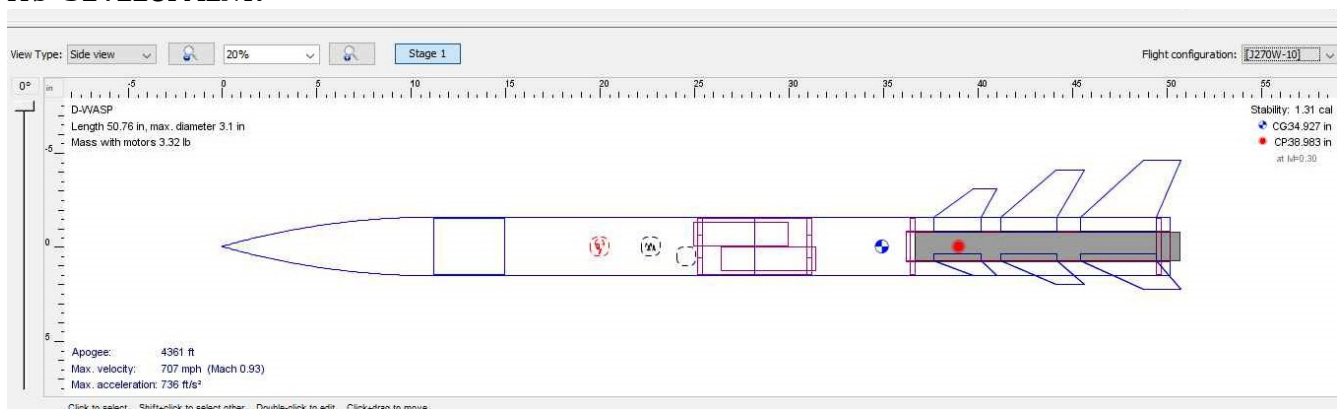
"MOTOR MOUNT CHOICES WILL BE A 38MM WITH A 29MM ADAPTER OR A WHOPPING 54MM WITH 38 AND 29MM ADAPTERS."

"BODY TUBES, NOSE CONE, CHUTE, BAFFLE SYSTEM, SHOCK CORD, MOTOR MOUNT TUBES, RAIL BUTTONS WILL BE GOTTEN THROUGH LOC"

"IT WILL BE SIMULATED FROM G TO J MOTORS AND WITH UPGRADES POSSIBLY EVEN K'S."

"I MAY EVEN SUPPLY AN EBAY SYSTEM IS THERE IS INTEREST IN IT."

THE POST RECEIVED POSITIVE FEEDBACK AND ONE OF THE QUESTIONS INQUIRED IF IT REALLY WAS DESIGNED WITH 3 SETS OF 3 FINS. KIETH REPLIED THAT IS WAS BUT THAT IT WILL ALSO BE SIMMED FOR A STANDARD ONE SET OF 3. STAY TUNED FOR MORE INFO ON ITS DEVELOPMENT.



UPCOMING KOSMO LAUNCH CALENDAR

OCTOBER 26 - ROCKET-TOBER – Ellinwood

Please note the change of date for this launch

There will be no alternate date if weather is an issue.

Lanterman Family Farm . 10,000' FAA waiver. **10am-5pm.** Bring your own lunch. (water provided) No restroom facilities at the site.

Model rockets and high power. Something for everyone. Level 1 and 2 Certs available. Supper in Ellinwood at the end of the day.

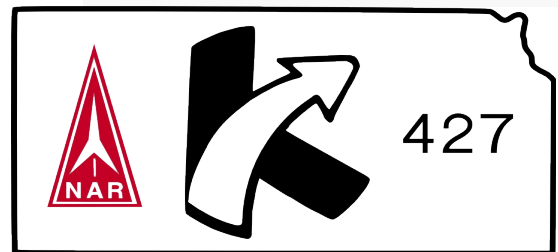
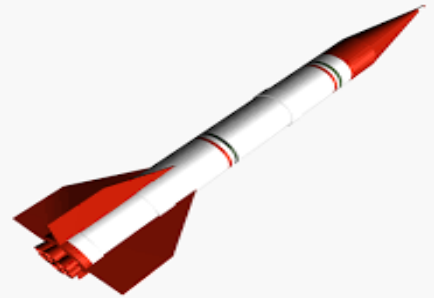
NOVEMBER 16 - KOSMO SPORT LAUNCH – Hutchinson

Kansas State Fair Grounds Parking Lot.

Noon till 4pm .Our low/mid power field.

Class 1 rockets (generally means up to G impulse max). Rockets must reasonably be expected to stay within the bounds of the field. *We will meet in Hutch even if the weather is not suitable for flying rockets.*

In that event we will find a place to get some lunch and talk rockets.



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Below: John Palmer photo – NARCON 2019

