



# *the* **KOSMONAUT**



NOV/DEC 2016

VOLUME 35 NO. 6

**CELEBRATING 35 YEARS OF CONTINUOUS PUBLICATION**

## **“NIGHTFLIGHT” CONCLUDES SUCCESSFUL LAUNCH SEASON**

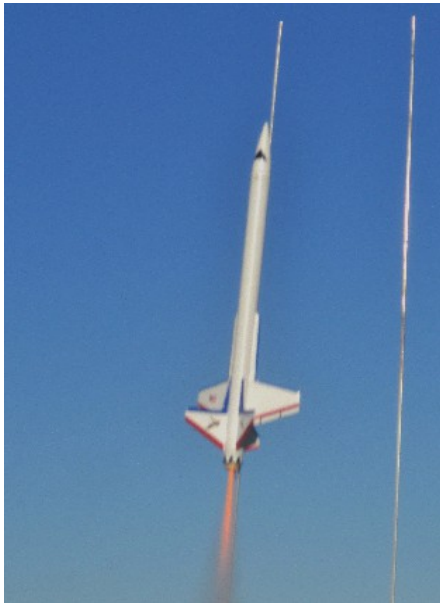
**Nov. 12 – The last scheduled launch of the KOSMO calendar year was at our Hutchinson field. Although cool, it was an excellent day for launching and ended with our annual night launching of rockets.**

**Absent for many a moon from our launches, we were joined by long time KOSMONaut Rick Calvert and his family. His son RJ is carrying on the rocket tradition in the family and he launched his Estes Riptide three times. Hope to see much more of the Calvert's next year.**

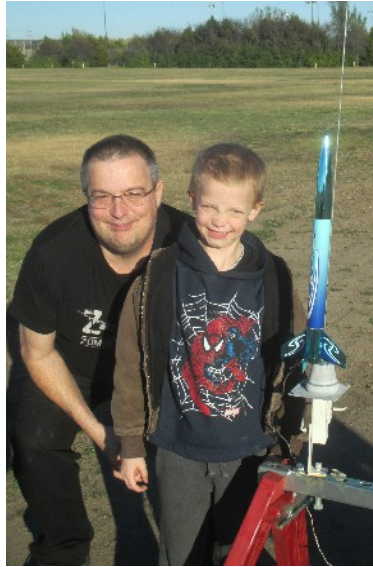
**During the daylight hours we had 30 flights, with John Palmer accounting for 10 of them. All but one were his usual fleet of sport scale rockets. Steve Saner had 8 flights including 2 with his Noodle Rocket which put in its best flight with a D12. The majority of the model is one of those inexpensive “pool noodles”. Duane Lanterman had 6 flights including one with an old Fliskits rocketman model that looks unfortunately a lot like Duane ! Evan Beckman joined us and had three flights which included his Estes Interceptor, a very nice model to watch fly. Keith Ravenstein didn't fly any rockets this time around but kept busy at the launch control.**

**As the sunset and the temperatures dropped the pads were readied for the night launches. There were 8 flights in total and all went well except for the final one. Steve Saner mentioned that there might be a possible “cato” with the E9 on board and that's exactly what happened as it burst into a ball of flame and inflicted damage on the rear of the rocket. Steve has an excellent way of lighting his rockets and next issue of “the KOSMONaut” will feature a how to article on his technique. As the smoke cleared, a very successful launch season came to an end. Inside this issue you will find a wrap up of the year in pictures. Looking forward to 2017 and what it holds for our club !**

## NIGHTFLIGHT IN PHOTOS



*Illustration 3: Evan Beckman's  
Estes Interceptor*



*Illustration 2: Rick Calvert  
and son RJ, third generation  
rocketeer*



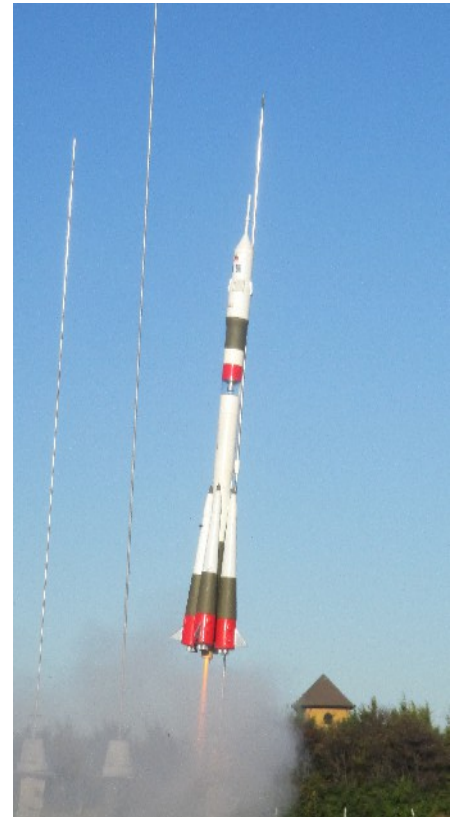
*Illustration 1: NightFlight Crew included a  
number of spouse's in attendance*



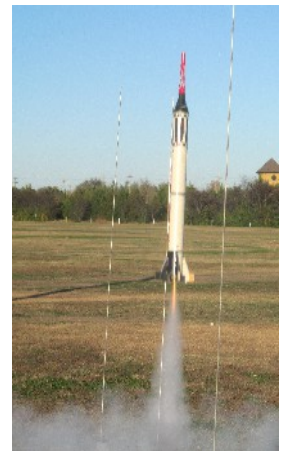
*Illustration 5: Duane  
Lanterman's rocketman kit  
looking like Duane ?*



*Illustration 6: KA-BOOM, Steve's  
E9 Cato at night*

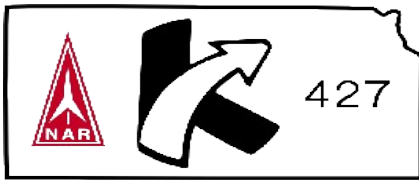


*Illustration 4: John Palmer's  
nicely detailed Soyuz model*



*Illustration 7:  
John's Mercury  
Redstone*





KOSMO - NAR #427

## KOSMO YEAR IN REVIEW 2016

BY DUANE LANTERMAN

All in all the year 2016 was a success for our club. True, 50% of our scheduled launches were canceled, most all by our infamous Kansas winds. And yet, the launches we had were quite memorable including our involvement with the Kansas Cosmosphere and Space Center and NARAM 58 in Walnut Grove Mo.

As is tradition, our year starts out with a planning meeting which sets the dates for the years launches and events for our Regional or Open NAR contest called KRAMO. This year it was held at the Palmer residence in Hutchinson, Ks.



*Illustration 2: Annual meeting notes can be quite interesting !*



*Illustration 1: John Palmer and one of this many rocket displays at home.*

After scrubbing launches in March and April we finally got down to some serious launching in May at our Hutchinson field and John Palmer especially was glad to get some stuff in the air !!



*Illustration 3: May launch, we're finally underway !*

During this time we were preparing to be one of six groups to put on NARAM 58 in Walnut Grove Mo. This was a first with such a diverse group hosting the event. Steve Saner tied everyone together with his excellent work with the internet planning sessions and setting up the events website.



June was a busy month as KOSMONaut Luke Dyson certified Level 2 with his Formula 75 Rocket on a J350 in Ellinwood. That same weekend we had our 36<sup>th</sup> edition of our annual contest KRAMO in Hutchinson. 4 KOSMONauts and 4 members of the KCAR section battled it out over 2 days and 6 diverse events. There were 66 contest flights and 26 sport flights on a very warm weekend.



*Illustration 4: KRAMO 36 FUN IN THE SUN !*



## 2016 YEAR IN REVIEW CONTINUED

NARAM 58 turned out to be a success. Most of us KOSMONauts were there late Friday leaving Monday but some stayed through the week. The weekend saw the hottest weather of the summer but we all survived. It was an interesting experience and one I believe we were all glad to be involved with.



*Illustration 1: KOSMONauts in Missouri !*



*Illustration 2: The Fly It and Take It table at NARAM was a very busy spot*

The day after NARAM ended we were out at the Lanterman Family Farm in Ellinwood providing pads and cert teams for Xtreme Camp participants at the Kansas Cosmosphere and Space Center. During their week at camp they had build LOC Iris kits and were provided with AeroTech H128R motors. 20 of the 21 flights earned Level 1 or Jr. Level certs. That same day 4H'er Baxter Scarberry and his parents arrived and he certified Jr. Level 1 on an H135.

Our 26<sup>th</sup> Annual Final Frontier Fun Fly was next on the agenda. Peter and Linton Bayless members in the KC area always like to make this event and were again present. Of the 43 flights we had 7 "H". 2 "I" and one "J" motored launches as well as a host of model rocket flights.



*Illustration 4: FFFF 2016*

The season ended with our NightFlight in Nov. which is chronicled in this issue in detail. It was a lot of fun that year 2016. Looking forward to what 2017 holds for our club as we enter our 37<sup>th</sup> year. If you are a member and didn't make a launch for some reason make it a point to come out next year and we guarantee you some fire, smoke, hot dogs, pizza, and some great guys and gals to be with.



*Illustration 3: Xtreme Campers and KOSMO crew*



*Illustration 5: Returned Xtreme Camp models awaiting inspection*

## CLUB ROCKET SOON TO BE AVAILABLE

Several times in our club's history we have had a "club rocket". The idea has surfaced again largely due to a design by KOSMO President Keith Ravenstein with input from Steve Saner. The kit will be largely LOC parts but will contain some custom components. Quite a number of members have expressed interest in the rocket and presently we are planning on taking orders at our annual meeting. Cost is a very reasonable \$60 so you will want to bring cash or check to cover your order. If you can not make the meeting and want a kit contact Keith at [fstngo@hotmail.com](mailto:fstngo@hotmail.com) by Jan. 14<sup>th</sup>.

The kit will include the following-

3"X34" four slotted body tube

3" nose cone

## 29mm motor mount

28" chute

## Nomex Blanket

12' of 1/2" Kevlar shock cord

Two 3" to 1.14" centering rings

Four 1/8" fins cut to shape

Various hardware (U bolt, t-nuts, washers, lock nuts)

## Rail buttons

[illegible]

**\*IN MEMORY \***

DAVE BUCHER \* 1957-2016

We were saddened by the news of the passing of Dave Bucher. Dave was an active NAR member belonging to the KCAR section and involved in bringing back the FSI name to model rocketry. He believed in the NAR motto of paying it forward. He went to many school, scout, and 4H functions volunteering his time educating, building, and launching rockets with kids. His health was failing the past few years (several heart ailments) but he was determined to continue giving of his time and intelligence. Dave passed away in his sleep on 11/11/16. He is survived by his wife Lisa and step-son.

Dave was a regular competitor at KOSMO's KRAMO events teaming up with Blake Goddard as the team KC Flying Monkeys. We will certainly miss Dave this coming year as the launching season begins again and send our sincere sympathy to his family and friends.



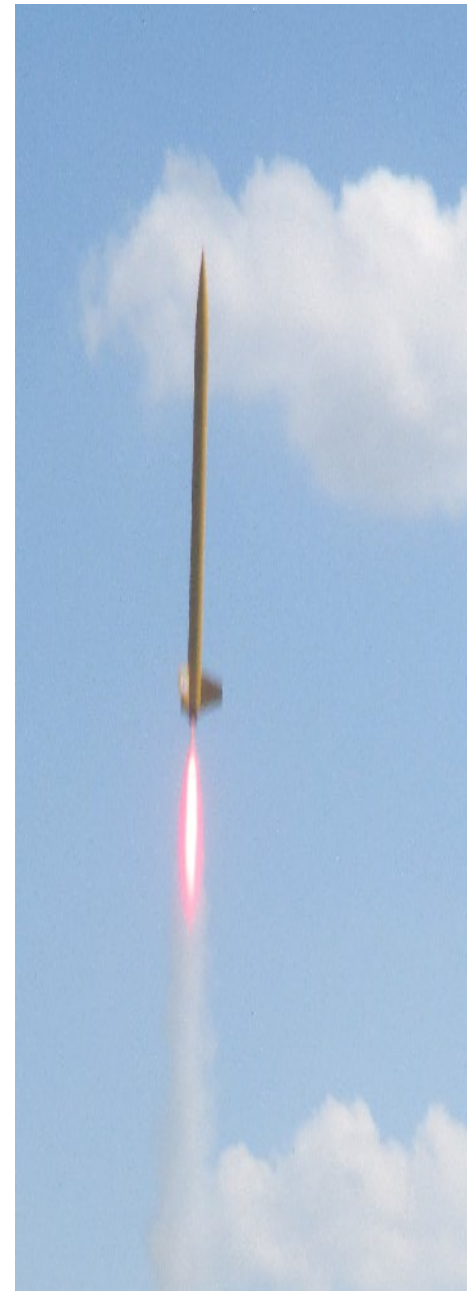
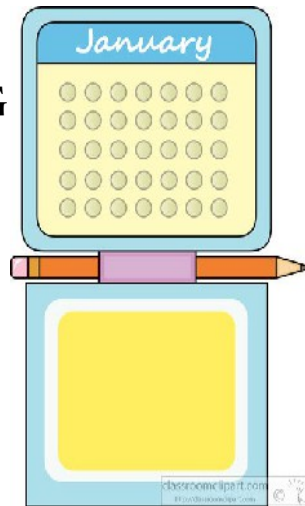
Thanks to Blake Goddard for contributing to this article.

Mark your calendar for the  
**KOSMO ANNUAL MEETING**  
**Saturday January 7, 2017**  
**Meeting at the Luke Dyson**  
**Residence**  
**116 W. Forest**  
**Sterling, Ks.**

Lunch will be at noon, please  
bring \$5 to cover cost.

Business meeting will follow lunch and conclude  
around 3pm. *Bring your winter projects to share !*  
Meeting open to all club members and those wishing  
to become club members. Election of 2017 officers  
and setting the launch calendar for the year including  
KRAMO 37 events. After the meeting you may want  
to check out Luke's collection of pin ball and classic  
video games !

Forest St. is just south of the Dollar General store in Sterling.  
Meeting is on West Forest.



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#### NAR 2017 NATIONAL EVENTS

NARCON 2017 February 24-February 26 Crowne Plaza Hotel near Dulles Airport and Udvar-Hazy Center of the National Air and Space Museum Herndon, Virginia.

NATIONAL SPORT LAUNCH May 27-May 29 Alamogordo, NM.

NARAM 59 July 29-August 4 Muskegon, MI.

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