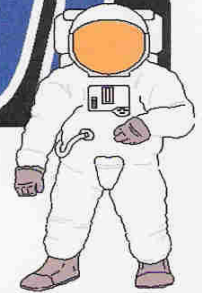


THE KOSMONAUT



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FINAL FRONTIER FUN FLY 2010 EDITION

BY Duane Lanterman

This year's FFFF was postponed by 2 weeks due to 40 mph winds the day it was originally planned. A number of members were unable to make changes in their schedules, but 6 racketeers, including Bob Wingate from Independence, Mo., enjoyed near perfect weather at the Ellinwood Airport. About noon a nice group of spectators gathered and helped devour the two dozen hot dogs prepared by club chef Sharon Lanterman.

Launch highlights included Steve Saner's flawless Level 1 cert flight on a H123 in a model he scratch built. Duane Lanterman flew his Eagle 429, this time on a I195 Redline. Bob Wingate flew his classic Custom Rockets Landviper on 3 C6's and Keith Ravenstein's newly finished Arcas made its maiden flight under H165 motivation. Ron Shipley flew his neatly painted Interceptor with a F21 for a beautiful flight. Fred Smith showed a great deal of persistence and patience as most of his 7 flights suffered some type of ejection failure. (some were due to motors that were obviously malfunctioning.) We handed Fred the new traveling Prang trophy and are sure he is anxious to present it to someone else at Nightflight.

Three classes of drag races were planned but we ran just the 20 Newton Class. After 8 flights, Ron Shipley received the Top Eliminator trophy, followed by Bob Wingate as runner up, Steve Saner in third and Duane Lanterman fourth. The two remaining classes will be conducted in the afternoon session of Nightflight. There are still 6 beautiful trophies made by Ron Shipley up for grabs, so make sure you have a model to enter in Oct.

New member Dave Miller and his son of Larned, Ks. were in attendance. We look forward to them both at future launches.

We had a great meal at the new Lone Wolf Restaurant in Ellinwood, shared photos, stories, and looked forward to Hutch and the next gathering of the Kosmonauts.

((front cover: FFFF participants stand for the customary group photo))

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This year the Kosmonaut has truly become a club publication. Thanks for everyone who contributed articles to this issue and photo credits go to Ron Shipley, Bob Wingate, Duane Lanterman, John Palmer, and Jordan Elliott.

FFFF 2010



KOSMO RECEIVES SAFETY GRANT

BY MARK JOHNSON

Once again in 2010, the NAR Board of Trustees awarded number a of \$250 grants to NAR Sections for the purpose of buying safety equipment to enhance operational safety on our model and high power rocket ranges. This year, we applied for and received such a grant - the check arrived in June 200.

So far, we have made the following purchases:

Three 2.5 gallon pressurized-water fire extinguishers, to be used at the Ellinwood high power fields and the Hutchinson/Buhler model rocket fields. These were purchased as used equipment from Kansas Fire Equipment in Wichita and have been delivered to the Ellinwood location and soon to John in Hutchinson. If used, they can be recharged with plain water and any air compressor that can deliver air at 100 PSI. Our past experience indicates that each one can put out a small grass fire of up to about 6 X 10 feet in size. They will need to be stored in a minimally-heated building (basement?) since plain water freezes at 32 degrees.

Cost of these units, \$112.00 including tax. Bonnie and Mark Johnson along with Ron Shipley, went down to Kansas Fire Equipment and made the purchase, which was paid by check drawn on the club account.

Keith Ravenstein previously purchased three first-aid kits at a cost of about \$12 each with the intention that one will be distributed to each major launch location.

Ron Shipley purchased materials at a cost of \$22 to make a two-wheeled cart with a handle, for use at Ellinwood, to allow two of the new extinguishers to be moved rapidly to the site of any fire by someone who can't lift two 45 pounds weights at the same time. This has been delivered to Ellinwood. It is a really nifty little contraption with removable wheels and tow handle, so that it can easily be loaded in the trunk of a small car. The KOSMO Fire Department, Engine #1, is painted bright yellow and is ready for use. (see photo this issue)

Total expenditures thus far: about \$173.50. We still have a bit more than \$75 that we can spend on safety equipment, so if anyone has any good ideas, get in touch with one of the club officers.



Well this years NARAM is over and it to ride out and back with John and we included topics from GPS devices to out there we got to meet Trip Barber and rockets longer than I have been around.

rockets and high power motor hardware and also saw some great flights including a Level 3 cert. flight. When I was shopping at the vendors I could not make up my mind on a Nike smoke or the Arcas but the price of the Arcas and motors it could use won out and I was able to get it together and fly it at FFFF this year. I did not take anything to fly at NARAM because I just wanted to relax for the weekend and enjoy what was going on and to help out John and take some pictures. I thought I was going to be sneaky and I took a photo of John taking a nap. After I gave him my camera to download the photos he said that he had one of me napping also - just in case I wanted to blackmail him some day. All in all I had a good weekend and now on to my next large project, Level 3 in 3 years.

was an interesting weekend for me. I was able had some interesting conversations that rockets (low to high power). While we were Vern Estes, among others that have been flying I ended up spending too much money on

Well so far it has been a good year other than the few launches that were cancelled due to the wind and rain early in the year. The postponed FFFF was a good day to launch rockets, not perfect but nice. There was somewhat of a breeze after the fog and clouds cleared out in the late morning which kept the temperature cool while setting up the range.

Our latest member, David Miller, and son were there, as well as one of the families that I got to meet during the Hays fly-in demonstration, to watch the rockets fly and pick up some tips and motors. It was also nice to have Bob Wingate there to fly with us for the day.

Steve Saner flew a scratch built rocket on an H128 for a beautiful Level 1 cert. flight. Welcome to the L1 club Steve.

My new Arcas rocket went up on a H165 for a good flight but the recovery was interesting and I have to go back to the planning board to rethink my DD (dual deployment) idea. The main was to be deployed at 400ft but it was more like 25ft when it came out of the rocket.

We did not have a large turnout of flyers for the launch but the six of us did put up a number of good flights, and I still have not figured out what gremlin kept looking over Fred's shoulder and giving him so much grief - it kept his plastic rockets malfunctioning all day.

Thanks goes out to Mark for the purchase of the new-to-us water fire extinguishers and to Ron for the nice cart to move them around in. Yes, the fire bottles did get used thanks to our clubs fire bug (initials are SS). I also purchased two CPR masks to go along with the two first aid kits that the club now has.

The day would have been better if I would have charged the battery that I use for the PA system and if we would of gotten the last two rockets of the day up in the air but they were just being mule headed and did not want to fly.

Two of the Drag classes were postponed due to lack of flyers and they will be flown at the October flight night launch.

Well until we get together again to burn some black powder, get sunburned, and have a good time flying rockets - have a good day and keep smiling. (someone will wonder what you are up to)

Keith Ravenstein



MY TRIP TO NARAM

BY JOHN PALMER

I have waited for NARAM to be held in a close location and for the back to school season to be late enough for me to attend. This was my year, local construction pushed back the start of school which enabled me to go to Colorado this year and have a blast. On Friday I left early in the morning picking up Keith on the way. It was good to have Keith in the car as it made the long drive more bearable. We arrived in Pueblo Friday afternoon where we met Trip Barber and many other rocketeers in the lobby. After some good conversations we went and explored the local retailers, stopping at the local Hobby Lobby to check out there selection. Back to the hotel were we ran into Mark, Bonnie and James Johnson.

The next morning it was off to the launch site. We arrived early in the morning setting up our camp at the end of the field. Then it was off to the vendors and they had many there. We toured back and forth checking each booth for items we could not live without. After a while it was time to LAUNCH! I prepped my first rocket filled out my launch card and head to the range head. 5 4 3 2 1 launch it was off and a good parachute made recovery perfect. While I was launching Keith was off talking to all types of flyers. There was one guy who had an upscale Flis Rotorocket, Keith had a good time talking about his modifications to help him increase his time for competition later in the week. It was time to head to the vendor tents again were we ran into another KOSMO member Ron Shipley. Saturday had good weather and I was able to launch many of my favorite rockets that I do not get to launch very often. Mercury Redstone, Mercury Atlas then the Titan 3E were all launched and recovered and I did not even loose the escape towers. Now it was time for my Saturn V. The RSO was a little skeptical of the two stages but we launched with all three engines firing, really cool pictures on naramlive.com (Saturday) of the launch and recovery. There we go again back to the vendors were Keith and I found many rockets and accessories we could not live without. I ended up with a Jupiter-C, Soyuz and a parasite glider for 1/4A, we all know how well that went for me at KRAMO. Finally the range closed and we headed back to the hotel. After dinner we went to the vendor forum in the hotel were the vendors told us about there new and future products.

Sunday morning arrived and we had breakfast at the hotel and off to the launch field. We set up our camp site again and started prepping rockets again. Sunday was a little warmer but still a nice day. Sunday was a good day to launch, my space shuttle which performed very well along with the Saturn 1B cluster of 4 C6-5s and 1 D12-5 air started. I launch a few other rockets and had lots of fun watching all the others launch. Once again Keith and I spent time with the vendors. I was able to acquire a Gemini nose cone and body tube from BMS and will scratch build a Gemini Titan. When the range closed on Sunday it was time for dinner and then Keith and I hit the pool in the hotel. It was nice to get all the sweat and dirt off. The hot tub was also nice. Monday morning we slept in and got a late start on the trip home. It was a great few days in the mountains and I had a lot of fun, I can't wait till I can go again.

KOMSO MEMBERS AT NARAM





KOSMO YEAR END LAUNCH SCHEDULE

SATURDAY OCT. 23 - NIGHTFLIGHT

HUTCH FAIR GROUNDS PARKING LOT- 3PM - 8PM ENTRY FEE \$3

CLASS 1 ROCKETS THAT CAN BE SAFELY BE RETURNED IN FIELD

SPORTS FLIGHTS AND KANSAS ROCKET DRAGS=

CLASSES ARE JR. DRAGSTER ("A" MOTOR, MIN. DIA. .75") AND GOONEY DRAGS ("A" MOTOR, BODY DIA. 1.5"-1.75") BBQ AT 6PM - LIGHTED ROCKETS FROM 7-8 PM (MUST HAVE LIGHTING DURING ENTIRE FLIGHT) SEE WEBSITE FOR LAST MINUTE UPDATES REGARDING WEATHER.

SATURDAY NOV. 6 - LOW AND SLOW - 2PM-5PM

HOME OF THE SANER'S, ANDOVER, KS. - ROCKETS LIMITED TO ONE POUND AND 400' ALTITUDE. IF WEATHER IS INCLEMENT, WE WILL STILL MEET AND SHARE ROCKET STORIES, VIDEOS, OR WHATEVER. SUPPER PLANS TO BE DETERMINED. DIRECTION TO STEVE'S- 5205 SW TUMBLEWEED RD., ANDOVER, KS. (GOOGLE MAP ACCURATE) VERBAL DIRECTIONS, FIND YOUR WAY TO ANDOVER RD AND 21ST ST. (WHICH BECOMES SW 70TH ST. EAST OF TOWN) THIS INTERSECTION IS ON THE VERY NORTH EDGE OF ANDOVER. FROM THERE GO EAST SLIGHTLY OVER 3 MILES WHICH WILL GET YOU TO SW TUMBLEWEED AND GO NORTH ALMOST 2 MILES (NOTE: TUMBLEWEED ONLY GOES NORTH FROM SW 70TH AND IT IS ONLY 2 MILES LONG)

KOSMO TRIVIA - ON OCTOBER 8, 1966 MARK JOHNSON LAUNCHED HIS FIRST MODEL ROCKET ON HIS FARM OUTSIDE MITCHELL, INDIANA. THE BIRD WAS AN ESTES WAC CORPORAL POWERED BY A 1/2A8-2 MOTOR.

AUCTION- KEITH RAVENSTEIN WILL BE RAFFLING/AUCTIONING OFF A LARGE RELOADABLE MOTOR AT SLOW AND SLOW. TICKETS ARE \$5 . IF YOU ARE WILLING TO PARTICIPATE IN THIS EMAIL KEITH AT fstngo@hotmail.com for more information.

Kansas Organization for SpaceModeling

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