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the **KOSMONAUT**

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“ONE GIANT LEAP FOR MANKIND” ---- KOSMO CELEBRATES APOLLO 11

50th anniversary of man landing on the moon ! It may have been 103 degrees as it began, but what a special evening. Our club participated in the “Landing on the Lawn” which took place on the lawn of the Hutchinson Community College adjacent to the world class Kansas Cosmosphere and Space Center. We had a display featuring a variety of model rockets and material on our club and the NAR. We also had 2 members of our Wichita TARC team that went to Washington DC on hand with their rockets .We had a drawing for a 1/200th scale Estes Saturn V (provided by Hobby Town in Wichita) and an Estes Starter Kit provided by KOSMO member John Palmer. In the 2 ½ hours our table was set up we had over 120 people register to win. At 9pm we all gathered near a big screen to watch and listen to the lunar landing as originally broadcast on CBS and reported on by Walter Cronkite. There was a screening of the Smithsonian's “The Day We Walked on the Moon” and telescopes were also set up on the lawn to take advantage of the clear Kansas skies. It was a wonderful and memorable evening. -Duane Lanterman reporting



MAN ON THE MOON !

WELCOME TO **LANDING ON THE LAWN**

Thank you for celebrating the 50th anniversary of
Man's first steps on the Moon with us!

MISSION ITINERARY:
6:00 pm Event Kickoff with Musical Performance by Hutch Municipal Band
Location: HCC Main Lawn
6:00-9:00 pm Free popcorn from HCC Alumni & Friends
Location: South Lawn
6:00-9:00 pm Food Trucks On-Site
6:00-11:30 pm Adult Beverage Truck On-Site
21 Years old or older to enter. No drinks outside of barriers.
6:35 pm "Meet Mr. Moon" Puppet Show
Location: Launch Pad 20A
6:50 pm Story Time with Hutch Public Library
Location: Launch Pad 20A
7:10 pm Astronaut Training Presentation
Location: Launch Pad 20A
8:00 pm Opens Kansas Performance
Location: Launch Pad 20A
8:30 pm All community booths shut down
Winner of Cosmosphere raffle is announced. Must be present to win!
Location: Cosmosphere Music Station
9:15 pm Showing of 1969 CBS Moon landing footage on outdoor screen
Location: Launch Pad 20A
10-11:30 pm Star & Planet Viewing
Location: Launch Pad 20A
10:15 pm Smithsonian Channel Documentary Showing:
"Day We Walked on the Moon" on outdoor screen
Location: South Lawn
11:30 pm Event ends. Thank you for coming!



More photos from “Landing on the Lawn” - Hutchinson, Ks. - July 20, 2019



**LANDING ON THE MOON
JULY 20, 1969
LANDING ON THE LAWN
JULY 20, 2019**

KOSMO ASSISTS WITH RUSH CO. 4H

KOSMO President Keith Ravenstein and Secretary Duane Lanterman assisted with the Rush County 4H launch the Saturday before the *Landing on the Lawn* in Hutchinson. They had a great group of kids and successful launches with the exception of one cato and one rocket that was not recovered when they left. The kids got busy after this painting their rockets to display at the county fair. 4H leader Denise Appel is retiring after this year so we wish her well and hope she and her hubby get in some well deserved traveling.



Illustration 1: Most of the kids made this photo. It was good to see Dennis Elder and his wife Edith in attendance !



Illustration 2: Denise keep things on schedule



Illustration 3: Keith instructs a 4H'er prior to launch



Illustration 4: Picture taken, they are ready to launch !

MODEL ROCKET DISCOVERY DAY CAMPS

During the summer the EAA building located at Jabara Airport in Wichita Ks hosts the Model Rocket Discovery Day Camps. The two and a half day sessions are open to youngster interested in rockets (and most likely airplanes too). The camps are headed up by Bill Lindsay, EAA Chapter 88 president and KOSMO vice-president and Steve Hamous, EAA chapter Education Director and KOSMO member. Most summers see three of these session held. The camp fee covers all materials, supplies, drinks, snacks, and lunch. This year they had some great sessions and kids. The pictures below are from this years camps. Looks like they all had a great time building and launching. A great example of “paying forward” !!



GUINNESS WORLD RECORD LAUNCH/ GLOBAL ROCKET LAUNCH

JULY 16 2019

The U.S. Space and Rocket Center in Huntsville used the occasion of the 50th anniversary of the launching of the Apollo 11 rocket to the moon to set a new world record for the most model rockets launched simultaneously. In the record attempt they used 5000 Estes Pathfinder rockets. To achieve the record they had to use commercially available rockets, pass 100 feet in altitude and have an independent specialist verify the counting. Of the 5000 rockets readied, 77 did not launch, a success rate of 98%. They are confident the 4923 sent skyward met the Guinness record requirements. Drones and a camera-mounted weather balloon stationed at 100 feet were used to verify rockets passing that altitude. The rocket center said that to prepare for the launch 178 volunteers worked 696 hours over 13 sessions. Twenty volunteers worked 75 hours to build the wood frames on which the rockets were placed. The previous Guinness record was 4231 launched at Teylingen College during a European Space Science Convention in the Netherlands in 2018.

In conjunction with this, the US Space and Rocket Center invited the general public to participate in the *Global Rocket Launch* where anyone in the world could launch a rocket (straw, water, stomp, chemical power) and submit the launch online to them in an effort to set a world record for the most rockets launched in a day. Participants could download a certificate of participation. Pictured below are John Palmer (L) launching in Joplin, Mo and Duane Lanterman (R) launching in Great Bend, Ks in addition to several other KOSMONauts.





KOSMO LAUNCH CALENDAR

SEPTEMBER OCTOBER NOVEMBER 2019

SEPTEMBER 7 - FINAL FRONTIER FUN FLY – Ellinwood –

KOSMO's oldest high power launch held at the Lanterman Family Farm. 10,000' FAA waiver. **10am-5pm**. BBQ (hot dogs) available at noon for small fee. *Model rockets are certainly welcome !!* Level 1 and 2 Certs available.

Alternate weather Date September 14

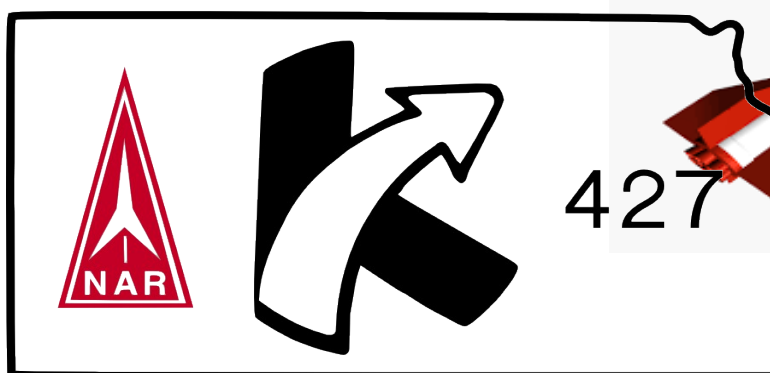
OCTOBER 19 - ROCKET-TOBER FEST – Ellinwood

Lanterman Family Farm . 10,000' FAA waiver. **10am-5pm**. Bring your own lunch. (water provided) *Model rockets and high power*. Something for everyone. Level 1 and 2 Certs available.

Alternate weather Date October 26

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 plan to 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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