



space odyssey

05.13.16 volunteer update

[Click here to visit the Space Odyssey MGG Portal](#)

[Click here for the latest space news update on the MGG Portal](#)

Click below for quick access to:

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space o volunteer news and info

KUDOS

Thanks to everyone who helped out running telescopes for the transit and those who worked in the exhibit this past Monday! And thanks to Dave Martinez and Nick Entin for sharing their photos, see below. And 9 News swung by to check out the action and interviewed our own Naomi Pequette.



Picture courtesy of Dave Martinez, Wednesday PM SO volunteer.
Dave used a special adapter on his iPhone to take this picture through
the telescope's eyepiece.



Picture courtesy of Nick Entin_ Saturday PM SO volunteer. Nick built his own solar filter then used his smartphone to take this picture.

NOAA SOS WEBINAR

Wednesday, May 18

1 PM to 2 PM

Space Odyssey Briefing Room (or in the comfort of your own domicile)

RSVP to Dave Blumenstock

Read below to learn more and/or register:

Student - Centered SOS, Education Forum Webinar

Join us for a webinar on May 18, 2016 at 1:00 PM MDT.

[Click here to register](#)

Join us Wednesday, when four of your SOS Network colleagues will discuss different methods for increasing efficacy of SOS specifically for students of all ages.

-- SOS Curriculum Building - James E Richmond Science Center, Charles County Public Schools, Patrick Rowley

-- High School Content Creation - St Paul's School, Darik Velez

-- Straight to the sphere map-making exercise - NOAA HQ Silver Spring, Erik MacIntosh

-- SOS in Higher Ed - James Madison University, CJ Hartman

After registering, you will receive a confirmation email containing information about joining the webinar.

[View System Requirements](#)

HELP NEEDED: JUNE 16 SCIENCE LOUNGE

This Science Lounge is "[Colorful Chemistry](#)" and is about using light to analyze our world. We need help with facilitating Orbits Table, SOS, Infrared Experiments/Exploring Light area, and LAMP cart. Note that the Spectroscopy cart will be used by Dimitri Klebe for this event. The schedule for this evening starts at 5:30 with dinner/briefing in the Upper Trex. The event opens to guests at 6:30 and ends at 9:30. Please let me know if you'd like to help out.

HELP NEEDED: JUNE 21 MEMBER NIGHT

If you're available, we need help in Space Odyssey for this Member Night event. We could use 6-10 people in the exhibit. Most of the Museum will be open this night and we typically get around 1000 member guests in attendance. The schedule is as follows: 5 PM: Meet for dinner and briefing in the Upper Trex Cafe; 6 PM event begins; 9 PM event ends. Please let me know if you'd like to help. These events are a lot of fun if you haven't done one before, so I highly recommend it. Thanks!

HELP NEEDED: JULY 21 SCIENCE LOUNGE

For this Science Lounge, "Unveiling Jupiter," the subject is...Jupiter--given that the [Juno mission](#) will be very relevant at this time. In Space Odyssey, we'll need help with SOS, Orbits Table, Experiment Bar, Meteorite Cart, and the [NASA Eyes app](#) at the Space Screen (this app is on all SO laptops and it has a module about the Juno mission). We will also have telescopes out that evening, but we have plenty of people to run those. This event starts at 5:30 with dinner/ briefing in the Upper Trex; the event opens to guests at 6:30 and ends at 9:30. Please let me know if you'd like to help out. Thanks!

MARS HUMAN MISSION BIOTECH TRAINING

Monday May 16, 2016

6:30 PM to 9:30 PM

Galaxy Stage in SO

RSVP to Dave Blumenstock by Friday, May 13

How will humans grow food on Mars? Is this even possible? Come to this session and watch "The Martian" to learn about how future human missions to the Red Planet might sustain themselves--and rescue themselves. We'll view the film, have a discussion and have a potluck. Please bring your favorite potato-based dish to share. Paper goods, flatware and drinks will be provided.

SPACE ODYSSEY VOLUNTEER RECOGNITION DINNER

Monday, June 13, 2016

6 PM to 9 PM

Southeast Atrium

RSVP to Dave Blumenstock by May 30th.

Space Odyssey volunteers can bring one guest.

Please join us for our annual celebration where we celebrate you: Space Odyssey volunteers and your incredible contributions to the Denver Museum of Nature & Science and our guests. We'll have a Mexican-themed buffet dinner, some brief presentations and then off to the Gates Planetarium to travel around the cosmos.

YOUR VOLUNTEER STATUS AND HOW YOU CAN CHANGE IT

If you're planning on taking a long term leave of absence that would last over three months, let me know at least two weeks before you depart if possible. Then I will change your status in our database to LOA or Leave Of Absence. Then, about two weeks before you return, let us know and we'll make you active again. However, if you don't volunteer for more than two months without letting me know about it, I'll make you inactive in our system. But if you want to come back, just let me know and we'll work to make you active again. If you have questions about this, please let me know. Thanks!

PARKING UPDATE

Sunday May 15th: Colfax Marathon. The Museum will open 1 hour late - 10:00am. Though parking will be available on site, you should plan ahead for what route you'll take to get here as the Race will have many streets blocked off. [Click here to learn more about how the marathon impacts commuting to DMNS.](#)

MEMORIAL SERVICE FOR LARRY DOUGLAS ON MAY 21

Below is information from Anne regarding the memorial service for Larry. For those interested in making a donation in Larry's memory to the Volunteer Fund, here is the link to the online site: <https://secure1.dmns.org/products/355-donate-to-the-volunteer-fund.aspx>

Larry's memorial service is going to be on May 21 at 2:00 p.m. in Warren United Methodist Church, 14th and Gilpin, with a reception to follow. Out of towners - please think of Anne and Larry this day.

No flowers. Memorial gifts may be made to the Denver Museum of Nature and Science Volunteer Endowment Fund, 2001 Colorado Blvd, Denver, CO 80205 or using the website above. Thank you all.

HELP WANTED: SPECIALIZED GEOLOGY VOLUNTEER POSITION AT DMNS

[Click here](#) to learn more about this position and to apply. If you have questions, email Dr. Dimitri Klebe at Dimitri.Klebe@dmns.org.

ON THE WEB

[Go See Our Own Naomi Pequette Do Science Stand-up!](#)

[Watch Blue Origin's Desert Rocket Flight](#)

SCFD COMMUNITY FREE DAY CALENDAR

The Museum is offering 12 Community Free Days in 2016, made possible by the Scientific & Cultural Facilities District. As part of the Museum's agreement to receive funds from SCFD, which account for a significant portion of the Museum's operating budget, the Museum offers these Free Days throughout the year to allow those who can't afford admission the privilege to visit DMNS. To see the dates for all the Free Days and to learn more about SCFD, [click here](#).

space o exhibit news

CRATERING UPDATE

Sean has fixed the missing tine on the rake with some good old fashioned ingenuity, so we'll hope for the best and see if it lasts. Thank Sean!

SCIENCE ON A SPHERE UPDATE

We are trying to track down and fix all the "missing dataset" error codes with NOAA's help. So, if you are using the SOS, and you get that "missing dataset" error message, please stop what you're doing, note the dataset that caused the error message, the time it occurred, and write that information on the whiteboard in the 2003 storage room. Thank you! And this goes for any dataset that doesn't seem to be working properly, please leave us a note on the board so we can track these issues. In other news, some noted that the Real Time Clouds dataset wasn't updating properly. I sent a note off to the SOS NOAA crew and that has been fixed as of yesterday. Thanks for letting me know! Also, Tech has installed the auto-alignment hardware and will be working with NOAA's SOS team to get the software up and running. A blur-free sphere is on the way! And last but not least, [click here to learn about the latest SOS datasets](#).

ORBITS TABLE UPDATE

Have you ever wondered why the ISS model in Uniview doesn't match the actual orbit of the ISS in realtime? Dr. Ka Chun Yu, Curator of Space Science and Uniview guru here at DMNS, answers this query: "Unview uses one set of orbital parameters to define the trajectories of satellites and generic moons. However these parameters in real life will shift over time. In the case of the ISS, it's a combination of atmospheric drag, periodic boosting up to a higher orbit, etc. so even if the parameters were correct once, they will drift with the actual spacecraft." Do you have a question about Uniview you'd like answered? Please send it on..

STREAM TABLE UPDATE

The Stream Table is only sending a trickle of water down the way, Tech is working on it.

TILT TABLE UPDATE

Tech is still working to resolve (no pun intended) the issues with the old data on this table. Currently, we pull this data from USGS servers and their data is about five years out of date.

S.O. MARS DIORAMA ROVER UPDATE

Tech has been able to drive the rover around its diorama space and they're working to fix an issue involving the rover's camera and sending back pics in real time. No date has been set, as far as I know, when it will debut to the public, but you can see the rover in the space operating from time to time.

space science lectures & events

60 MINUTES IN SPACE

Go "behind the stories" in space science using the best images and animation available to help understand new developments. Seating is limited to first come, first served. Please use the evening entrance on the west side of the Museum.

Location:

Gates Planetarium

Date/Time:

Wednesday, May 25 , 7 p.m.

Tickets:

FREE

DIGITAL EARTH: PETRA

Back by popular demand! The Nabateans carved their rose-pink rock city of Petra, a stronghold in the desert, using metal tools made from smelted local ores, and controlled age-old trade routes that passed nearby. Surprisingly these controls were not the keys to their success; rather, it was water. These early engineers developed regional water systems, intricate canals and pipelines, and marvelous storage cisterns hewn deep into the mother rock. Using 360-degree photography on the dome, guest speaker and archaeologist Will Reynolds and space scientist Ka Chun Yu will tour through deep time and deep rocks, returning to questions about how the current residents of this historic landscape are striving to lead the good life.

Location:

Gates Planetarium

Date/Time:

Wednesday, June 1, 5:15 p.m.

Tickets:

\$8 member, \$10 nonmember

[Buy Now](#)

RESERVATION INFO

Volunteers have the opportunity to attend most After Hours programs priced at the \$8 member/ \$10 nonmember rate for free on a space-available basis. Volunteers always receive the member rate for all other Adult Programs. Please call Guest Services at 303.370.6000 to make a reservation. Guest Services is open daily, 9:00 - 5:00 p.m.

To save time the night of the program, we recommend picking up your tickets anytime during regular Museum hours at the north ticket desk. You can also pick up your ticket from the will-call cashier on your way into the program on the night of the program. You will always need a ticket to attend programs.

On the evening of the program, please enter through the same entrance as our guests and pick up your ticket from the will-call cashier. Thank you for your ongoing support and enthusiasm for Adult Programs!

did you know...

museum news and events

MUSEUM LECTURE AND PROGRAMMING INFORMATION

[Click here for Evening Lectures](#)

[Click here for Gates Planetarium Daily Show Schedule](#)

[Click here for Museum IMAX information](#)

volunteer enrichment committee

The Volunteer Enrichment Committee plans a variety of events, many of which are free, for DMNS volunteers to participate, some are onsite at DMNS, others travel to spots nearby. Check the bulletin board in the Staff and Volunteer Lounge for more info.

Dave Blumenstock

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Join the Museum's Online Community

www.dmns.org