



space odyssey

05.06.16 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:

[Space Odyssey Volunteer News](#)

[Space Odyssey Exhibit News](#)

[Space Science Lectures & Events](#)

[Did you know?](#)

[Museum News and Events](#)

[Volunteer Enrichment Committee \(VEC\) Events](#)

space o volunteer news and info

FREE DAY MONDAY MAY 9

The Mercury transit will be covered by our Telescope team and the DMNS gift shop will have eclipse glasses for sale too. For those who don't know, the transit will last from about 5:53 AM to 12:41 local time. We'll have telescopes on the Nature Plaza to view it--weather permitting of course. If you want to read more about the transit, [click here](#).

SPACE ODYSSEY VOLUNTEER PARTICIPATES IN FAMELAB FINALS Graham Lau volunteers on the Thurs PM team in SO, getting his PhD in Astrobiology at CU-Boulder, and next week he'll be appearing as a finalist in Famelab's national competition on

Friday, May 13, at 5 PM MST. Best of luck Graham! [To watch the contest online, and learn more about it, click here.](#) To see Graham in action in a previous FameLab, [click here.](#) And there will be a "half-time" talk during the event by Carnegie researcher Andrew Steele, [click here to learn about him.](#)

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!

SCIENCE ON A SPHERE USER GROUP MEETING

Monday, May 9, 2016

5 PM to 6:30 PM

Science On a Sphere in SO

RSVP to Dave Blumenstock

Please join us for our quarterly SOS user group meeting where we meet to share knowledge and facilitation techniques related to the SOS. Feel free to bring a snack to share if you wish.

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.

SUBMIT YOUR IDEA FOR THE VOLUNTEER FUND

\$4,000 Available from the Volunteer Fund

Deadline for proposals is May 13

If you have an idea for a project or activity that will enhance the capabilities of Museum volunteers to support the mission of the Museum, please submit a proposal to the Volunteer Fund by [clicking here to download and fill-out the proposal](#).

You will need to describe the project or activity, including a budget, a timeline for completion and how it will benefit volunteers and the Museum. You will also need an approval signature from the curator or director whose work will be impacted by the project or activity. Approximately **\$4,000** will be available for use in 2017.

Your proposal must be submitted no later than **May 13, 2016**. You can email it to Jacqueline.altreuter@dmns.org or deliver a printed copy to her office. If you have questions at any time, please email volunteerfund@dmns.org.

Prior Year Grants

Past grants have included the purchase of ergonomically correct chairs and industrial lamps

for six volunteer work stations in the **Paleontology Lab**, acquisition of two wheeled step ladders to increase easier and safer access to specimens in the **Earth Sciences/Zoology collections**, four iPads were bought for **Museum Ambassadors** and **Placement Counselors** to use when talking with visitors and meeting with prospective volunteers. This year **Volunteer Services** will purchase a camcorder and Polaroid camera, and the **Volunteer Telescope Program** will buy covers, a filter, and an eyepiece for their telescopes.

Want to vote on who receives the money?

You can ensure your vote on this year's proposals by donating to the Volunteer Fund today. It's easy: you can donate online at www.dmns.org/volunteerfund. And remember "In memoriam" and "in honor of" donations are a wonderful way to recognize your fellow volunteers. Donation forms and envelopes also are available in the staff and volunteer lounge. Ballots will be sent out to donors in October 2016 to vote on funding for 2017.

PARKING UPDATE

Saturday May 7th: Large race in the Park and a special program going on at the Museum. Please do what you can to not park onsite. The church lot between 18th and 19th streets off Colorado Blvd. will be available.

Monday, May 9th: Free day. Please do what you can to not park onsite. The church lot will be available.

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

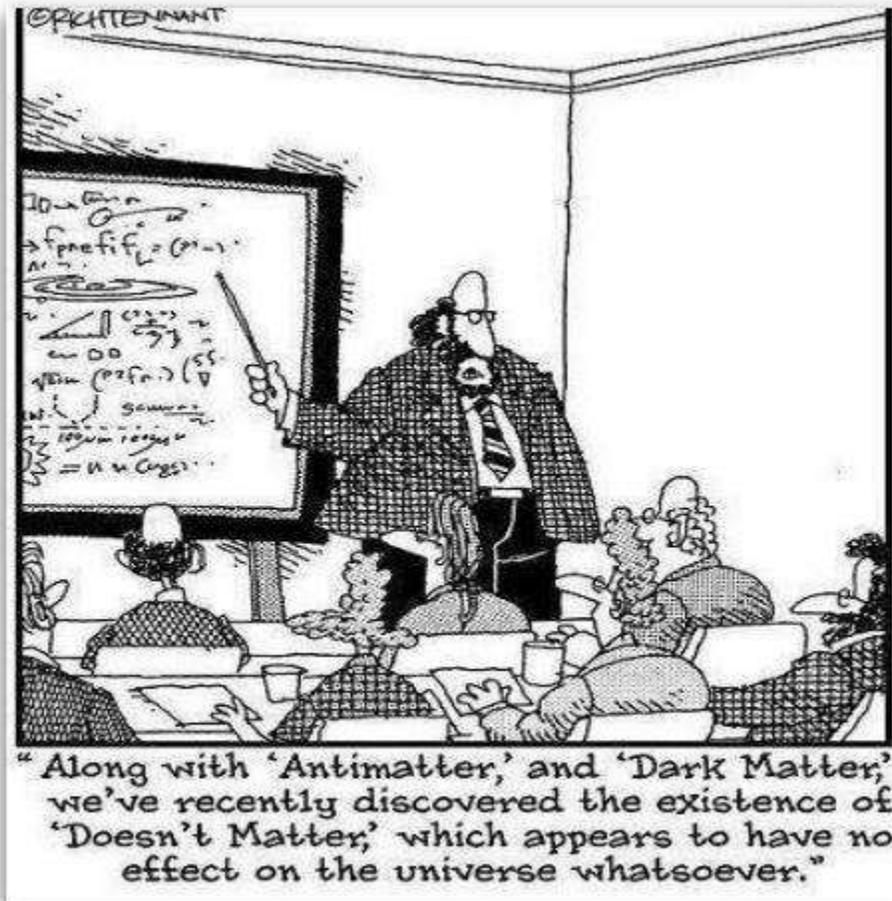
[Click here](#) to learn more about this position and to apply. If you have questions, email Dr. Dimitri Klebe at Dimitri.Klebe@dmns.org.

ON THE WEB

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

[Falcon 9 Landing Video](#)

[Are we alone...?](#)



Thanks to Jim Nelson for passing this along. Enjoy!

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!

SEEING THE SUN UPDATE

Thanks to Sean in Tech, Seeing the Sun is back in action, mostly. The old computer had died so he replaced it with a new machine. He wasn't able to get the smaller monitor to work as the old computer used Windows XP, and the new computer running on a newer Windows OS isn't able to talk to the smaller screen. The small screen showed the Sun as it looks today in various wavelengths. As a work around for this, we could either use a laptop to show guests some quality up to date images using the Solar Dynamics Observatory site (<http://sdo.gsfc.nasa.gov/data/>) or send them to the SOS to view the real time solar datasets. Sean is going to look into updating the movies on Seeing the Sun to current data, but it's unsure at this time if that will be possible. Let me know if you have any questions.

MGG PORTAL UPDATES

We have a few new items on the Portal. Thanks to Naomi, Marta et al we have newly revised [New Horizons Journey to Pluto powerpoints](#), revised [Mission: Superchill Pluto Edition](#) training materials, and a newly created [Mars Rover cart manual](#). Also, on the Orbits Table page, you'll now find two PDF's, Inner Solar System model and Outer Solar System model, created by Tom Reiners, Thurs AM, in collaboration with the Space Science Newsroom, to illustrate a virtual solar system model extending from the Museum into City Park. The scale equates to the Sun being an 8" ball. Go to [this page on the Portal](#) to see these illustrations and look in the training box on the left side of the page.

ORBITS TABLE: TRAINING COMPUTER IN BRIEFING ROOM

If you need to train on Orbits/Uniview and would rather not do it on the floor of the exhibit, there is a desktop computer located in a cubicle in the back of the basement SO Briefing Room for you to use. The login information is printed on the computer. If you need help, let me know. Enjoy!

GALAXY STAGE UPDATE

We have a center projector back in working order again in this space, thanks to Tech.

SCIENCE ON A SPHERE UPDATE

[Click here](#) to read about Bob Raynold's class he recently taught at DMNS using the SOS to discuss "The Geography of People." Auto-alignment gear is being installed as I type. It isn't quite ready for primetime yet, but Tech is working with NOAA on this and we hope it'll be up and running soon. The SOS people at NOAA have also released a new version of their 2D SOS Explorer program which is like SOS, but on a 2D screen. Read about that [here](#).

STREAM TABLE UPDATE

Tech has assured us that we have plenty of sand for the table for those who are concerned.

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.

EXPERIMENT BAR UPDATE

The fuel cell is working in case you're wondering, enjoy! Also, the solar system model now has a full compliment of planets thanks to Naomi and Carol (Sat PM team member).

S.O. MARS DIORAMA ROVER UPDATE

Tech is continuing to work through various issues with the rover, I'll keep you up to date about its progress.

ASTROTOT PANEL UPDATE

Sean is working on the panel with help from Exhibits to get that reinstalled with new images. It will replace the still image on that wall in the front space of Astrotot.

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 Raynolds 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...

May is Asian Pacific American Heritage Month? Each year in the United States, May is dedicated as Asian Pacific American Heritage Month to celebrate the rich history and contributions of the vibrant and diverse culture of Asian Americans. President Jimmy Carter signed a joint resolution in 1978 that declared May 4-10, 1979, as the first Asian Pacific American Heritage Week. This was later extended by President George H.W. Bush in 1990 to a month-long celebration.

During this month, there are many organizations, including [The Library of Congress](#) in partnership with several national cultural institutions, and the media such as, [PBS](#) and [Denver 9News](#) who are recognizing the contributions of Asian Pacific Americans in the U.S and publicizing televised programming or local events that are being held to celebrate the richness of our Asian Pacific American community.

To learn more about Asian Pacific American Heritage Month and our historical timeline of Asian American achievements visit:

- [Asian Pacific American Heritage Month](#) - which provides excellent ideas on ways to honor or celebrate.
- [Historical Timeline](#)
- [Asian Pacific Americans Presidential Appointments](#)

museum news and events

XCEL ROAD WORK FROM APRIL 22 TO MAY 13

This work will take place under 22nd street so you may see some cones and construction equipment. They're replacing some piping.

SCFD REAUTHORIZATION NEWS

On April 29, 2016, Governor Hickenlooper signed a bill, which will ask voters to renew the Scientific and Cultural Facilities (SCFD) this November. Your support of the SCFD will continue to provide nearly \$55 million each year to 300 arts, culture and science organizations throughout our community - without raising taxes. Thank you for your continued support.

To receive further information about the campaign and to ensure the Museum complies with rules about lobbying, please update your Museum membership record to reflect a personal email address and a personal phone number if you have not done so already. Please call Guest Services at X7723 to make these updates.

Reminder: There are limits to the amount of lobbying and campaigning the Museum can engage in. As a result, employees are not allowed to use Museum time or resources (which includes your work email account) to communicate about the SCFD renewal, unless otherwise approved by Ed Scholz.

You may dedicate as much of your time outside of work on a volunteer basis to the

campaign, which is why we are requesting your personal email address if you'd like to be involved. For more information about SCFD, visit <http://www.unitedforscfd.com/>.

If you have any questions about the above or SCFD in general, please contact Peggy Day at X6311 or peggy.day@dmns.org.

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

Coordinator of Volunteers for Space Science
Denver Museum of Nature & Science

dblumenstock@dmns.org

Phone 303.370.8344

Fax 303.370.6005

Join the Museum's Online Community

www.dmns.org