



space odyssey

06.05.16 volunteer update

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

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

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space o volunteer news and info

SPACE ODYSSEY VOLUNTEER RECOGNITION DINNER

Monday, June 13, 2016

6 PM to 9 PM

Southeast Atrium

Space Still Available! Please let me know if you can make it.

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! We'll have a Mexican-themed buffet dinner, some brief presentations and then off to the Gates

Planetarium to travel around the cosmos.

KUDOS

Thanks a ton to everyone who helped out at the SOS and in Space Odyssey on Space Day!

KJELL LINDGREN'S GIFT TO DMNS VOLUNTEERS

This past Friday during his presentation in Ricketson Auditorium, [Astronaut Kjell Lindgren](#) gave the Museum several awards as a token of his gratitude for our support of his mission to the ISS. He was very appreciative of the support of DMNS volunteers in this endeavor and gave us an awesome photo montage dedicated to all DMNS Volunteers, see the photo below. We are pondering how to display it and hope to find a suitable place to do so. In the meantime, it is in storage in our Archives to keep it safe.



HELP NEEDED: JUNE 11 AND 12 MINI MAKER FAIRE

We need help with an activity in the planetarium during the Mini Maker Faire. The activity entails asking guests where they want to go in the solar system/universe and then flying them there using Uniview and then having someone explain to the guest a little something about that celestial body. The volunteer's job will be to explain a bit about the object that the guest wants to see. Basically, it's like you're facilitating the Orbits table but in the planetarium. Greg Mancari, who works in the planetarium, will be on hand to do the actual

flying. Volunteers interested in helping out for this should feel confident facilitating the Orbits Table or feel confident in their knowledge of the solar system as well as the larger cosmos. We need one volunteer for each of the following time slots:

Sat 6/11:

10am-12pm

3:00pm-5:00pm

Sun 6/12:

12:30pm-2:30pm

Please let me know if you can help out and which time slot you'd like. You can sign up for more than one. Thanks!

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 the Infrared Experiments/Exploring Light area. The schedule for this evening starts at 5:30 with dinner/briefing in the Upper Trex. These events typically draw around 500 guests. 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 still need help with SOS, Experiment Bar, and Meteorite Cart. 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!

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

[One of the best free apps for exploring the solar system and exoplanets](#)
[Onboard Falcon 9 Landing Video](#)
[Falcon 9 Launch and Landing](#)

INTERESTING SCIENCE OUTREACH VOLUNTEER OPPORTUNITY

Marc Straub, a colleague of Dimitri Klebe's, runs Cool Science, a small volunteer nonprofit. This organization is always looking for more volunteers to help with their hands-on science outreach programs throughout eastern Colorado. They do a wide variety of demonstration shows, workshops and other fun activities in schools, libraries, scouts, museums, fairs, festivals and other public venues year round. They also do a lot of summer camp sessions, after-school programs and science nights. They're based in Colorado Springs, but now do about 40% of their 400 or so programs each year beyond the Pikes Peak Region, most of those around the Denver metro area--they do a lot of programs in Denver Public Library branches. You can learn more about them from the Teacher's section on their website:

<http://www.coolspace.org/CoolScience/Teachers/AboutPrograms.htm>

If any of you have some extra time and would like to try something a little different, please check this organization out. They already have a busy schedule this summer around Denver, so there are plenty of immediate opportunities--and Marc's crew will show you everything you need to know. Click below to see their activity calendar:

<http://www.coolspace.org/CoolScience/Teachers/eventcalendar.htm>

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

TELESCOPES UPDATE

We have new signage for the solar viewing on Boettcher Plaza. These signs are located in the hallway leading to the Astronaut changing area.

Telescope trainers: Please make sure that you are using the certification form with your trainees. If you don't have one, let me know.

SCIENCE ON A SPHERE UPDATE

Thanks to those who have been helping us to track errors with the SOS system. Please continue to do so by noting any odd behaviors of the SOS on the whiteboard including the "missing dataset" error message. Please be specific by noting the dataset or playlist involved, the text in the error message and the approximate time that the error occurred. Then please call the Tech Helpdesk immediately to notify them. Thank you!

Also, the new [Indonesian Tsunami dataset](#) has a wave height scale that doesn't seem right, but it is correct. NOAA explains it this way:

"The scale of this visualization is capped at 20 cm, which allows viewers to see the propagation of the wave across open water, however it should be noted that the wave heights were much higher in the shallower coastal waters."

And last but not least, [click here to learn about the latest SOS datasets](#).

WHERE TO FIND....?

If you need help locating certain supplies in SO, please ask for staff help and/or read the list below.

Bubble Wrap:

There is a large roll of this on the top shelf of the shelving unit that is on the right wall (as you open the door) in the storage room behind the Space Screen.

Shaving Cream:

In a Tupperware under the bubble wrap. We just got 3 cases in this week. Unfortunately, Dollar Tree takes a couple of weeks for our order but we have lots now :)

Rubbing Alcohol:

There are 3 bottles in the lowest left hand drawer in the big workbench in the storage room behind the Space Screen. Fabreeze is also in that drawer. We do need to order some more of that and hopefully it will arrive early next week.

Hand Sanitizer:

There is a giant bottle in the 2003 room on the shelf above the microphones. There is a also a smaller bottle next to it.

All Purpose Cleaner:

This is on the same shelving unit as the hand sanitizer but on the top shelf. It's currently labeled as "Sundial Cleaner" since that is what it is most frequently used for. We found that if it wasn't labeled that way, it was also being used on delicate surfaces in the exhibit that can't stand up to the cleaner. But if you are looking to wipe down a counter at the experiment bar, for example, that would be no problem. There are 2 bottles of it.

Paper Towels:

We're running a bit low, but we'll get more ordered very soon.

MAC LAPTOP UPDATE

Tech was slating the current Macbooks for across-the-board upgrades. However that has been delayed as the current Mac OS, El Capitan, doesn't play nicely with our projectors and screens in the exhibit, making it much more of a hassle to use them for that application. Ergo, we're holding off on any upgrades to these computers right now.

SPECTROSCOPY UPDATE

For those who are wondering, there is no date right now as to when Dimitri's new spectroscopy cart will be on the floor. Will update you as I get more information.

MARS DIORAMA SCREEN

Status quo: This screen is still offline due to a software issue, Tech is working on it.

SEEING THE SUN

This is currently out of commission due to a software issue, Tech is working on it.

S.O. MARS DIORAMA ROVER UPDATE

Tech is still working away on the rover trying to get it ready for primetime, still no date announced about its debut with visitors.

space science lectures & events

CAFE SCIENTIFQUE

Place, date, time: Blake Street Tavern on Tuesday 7 June 2016 at 6:30 PM.

Speaker: Fran Bagenal, PhD, Professor of Astrophysical and Planetary Sciences, University of Colorado Boulder

The topic: Pluto: The Pugnacious Planet

Dr. Bagenal writes: "Even in our wildest dreams none of us on the *New Horizons* team really expected Pluto to produce such riches: water ice mountains as big as the Rocky Mountains, glaciers of nitrogen ice, black hydrocarbons covering aging craters, fresh methane frost dusting tops of mountains, pitted landscapes shaped by sublimation, an ice volcano as big as Mauna Kea, and, most bizarre of all, a landscape that resembles the skin of a snake. My favorite image is a glance back, outbound from the flyby, looking at an icy landscape back-lit by layers of atmospheric hazes. In this talk I describe how *New Horizons* came to be, how the spacecraft got to Pluto, and how the findings are challenging our understanding of ice worlds in the outer solar system."

Dr. Bagenal last spoke at the Denver Café Sci in 2006, to tell us about the then-upcoming launch and mission of *New Horizons*. Here's our chance to discover what they discovered from one of the team leaders!

EVERYONE IS WELCOME. The talk starts at 6:30. Come before 6 PM to leave yourself time to get something to eat, and please note, the available seating will fill up. We end around 8 PM.

There's no charge for Café Sci. Blake Street Tavern is generously providing the comfortable Tailgate Room; we buy our own food & drinks. They ask a reasonable minimum in sales, which the organizers have guaranteed, so we'd be happy if you help us out and enjoy BST's hospitality and good food!

[Blake Street Tavern](#) is at 2301 Blake Street in LoDo, between Park Avenue (23rd St) and 24th. Just a block past Coors Field (no baseball game that night!) There is limited free parking in the lot next to the Tavern on Blake.

NOTE: Cafe Scientifique is not directly supported by DMNS but they have some great programs.

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, June 29 , 7 p.m.

Tickets:

FREE

SOLD OUT EVENTS:

June 1: Digital Earth: Petra (both time showings)

June 4: An Evening with Astronaut Kjell Lindgren

Digital Earth: Machu Picchu

From the comfort of your planetarium seat, travel to the ancient Inca site of Machu Picchu, nestled on a ridge in the Peruvian Andes. Despite its precarious mountaintop location, the city's running water and drainage systems have amazingly survived for 500 years. Take a tour with Ken Wright, founder of Wright Water Engineers and the Wright Paleohydrological Institute. Wright has been studying the massive stone construction and its hydraulic engineering for many years; he is the author of Machu Picchu: A Civil Engineering Marvel.

Location:
Gates Planetarium

Date/Time:
Thursday, August 25, 7 p.m.

Tickets:
\$8 member, \$10 nonmember

[Buy Now](#)

Peer Revue: Stand Up for Science

Cheer on local scientists turned comedians as they attempt standup for the first time and wax hilarious about the unique nuances of their work. This one-of-a-kind comedy night for science fans will get you laughing with (and at!) some of the biggest brains in town. Learn more about Peer Revue at www.peer-revue.com. A cash bar will be available.

Date/Time:
Friday, August 26, 7:30 p.m.

Ages:
18+

Tickets:
\$12 member, \$15 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...

...that Arizona State has a website that [helps anyone to identify if they have a real meteorite?](#) Guests can also contact DMNS about identifying meteorites too by going to this [page on our website.](#)

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