



space odyssey

04.17.15 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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[Storytelling with Uniview](#)

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space odyssey news

KUDOS

Thank you so much to everyone who helped out for the Earth Day Free Day event! Nice work!

SOS UPDATE COMPLETE--ENJOY THE NEW CAPABILITIES!

Thanks a ton to Matt Brownell in Tech for moving quickly this Thursday to update the SOS system and the iPads to v.4.3. The new version has wonderful capabilities including a reorganized dataset catalog that enables much easier and intuitive searches for all levels of SOS users. To learn how to use the new system, I recommend watching this training video:

<http://youtu.be/OLUtRuOLCw>

And if you want to try out the new search capabilities at home, simply go to the SOS website and look at the dataset page. This page works almost exactly like the iPad check it out:

<http://sos.noaa.gov/Datasets/list.php>

HELP NEEDED: NEW MEMBER NIGHT MAY 14

This should be a very fun night. We'll probably have around 1000 or so new museum members attending. Briefing time is at 5 pm typically and the event lasts until 9 pm or so. If you'd like to help in Space Odyssey or with telescopes up on the Sky Terrace, please let me know. Thanks!

ASTRONOMY SCHOLARSHIP THROUGH DAS

The Denver Astronomical Society (DAS), has a scholarship available for high school seniors and undergraduate college students who are studying Astronomy of physical sciences. It's important to note that you don't have to be a member of DAS to apply. Here's their blurb and thanks to Naomi Pequette for passing along this information--she said this scholarship was a big help to her:

Are you a graduating high school senior or college undergrad majoring in Astronomy, or a Physical Science? If you know a science student in DAS or the Denver area, that might qualify, please pass this along. Did you know that since 1973 DAS has awarded many merit based scholarships to support top qualified science students? Our scholarship program is known as the Van Nattan-Hansen Scholarship after the two DAS members whose families established the fund in DAS. Several past scholarship winners have gone on to professional careers in Astronomy or the sciences. Typically we award two \$1,000 scholarships per academic year. This can vary depending on number of applicants and qualifications. You must be enrolled at least half-time in a four year college or university and majoring or if you are a graduating high school senior, intend or have declared a major in Astronomy or a Physical Science. The app deadline is coming up June 15th and all application materials must be received by mail at the fund's P.O. Box by that date. The June 15th deadline should allow graduating high school seniors to have their school send their final official transcript. Other information and requirements for applying can be found on our webpage: <http://www.denverastro.org/vannattan.html>. Read the requirements and apply soon!

NEWLY REORGANIZED MICS AND BATTERY AREA

Among other newly organized areas of the various storage areas in SO, please enjoy the newly refurbished mic and battery storage courtesy of Samantha and Naomi. Thanks to you both!

UNIVIEW 2.0 MANUAL AVAILABLE FOR VIEWING

The Uniview 2.0 manual is available for your viewing pleasure by clicking below. We'll add it to the Portal soon. Click here to read it now: [Uniview Theater 2.0 User Manual](#)

And remember, Greg Mancari has set-up a computer in the Briefing Room--at a desk in the back of the room, with Uniview 2.0 so you can go downstairs and practice on it whenever you like. We'll be offering another Uniview 2.0 training in a few weeks. Please remember that we'll be switching to Uniview 2.0 on May 1. Questions? Let me know.

EARTH GLOBE FOR MOON PHASES OUT FOR REPAIR

The Earth Globe's base is being changed so it has a wider flange in the hope that will help prevent it from falling through the gap when placing it on the table. It should be complete by the end of next week.

SOS STELLAR MAGNETISM DATASETS LECTURE ON PORTAL

[Mark Miesch](#), Sun and star expert, DMNS Research Associate, Galaxy Guide and Telescope Volunteer, gave a very interesting talk at last week's SOS User Group meeting about his stellar magnetism datasets--including three new ones that are pretty amazing (located under WIP stellar magnetism on the playlist page). If you'd like to watch Mark's talk, which is also located on the Sun playlist page of the Portal, please click here: <https://vimeo.com/124638084>

PLEASE SIGN UNIFORM FOR EDDIE G

As a special present to Eddie Goldstein, former Senior Space Science Educator, we'd like to give him one of the old MGG uniforms signed with your respective autographs. I know there are a lot of you, but the more signatures the better. I've left the uniform on my office desk with pens provided. The uniform will remain there thru next Wednesday, April 22. Please sign it when you're able. Thank you!

RECENTLY ADDED SCIENCE ON A SPHERE DATASETS

<http://sos.noaa.gov/Datasets/list.php?category=All&type=&sort=DateAdded&order=DESC>
Our system is updated by NOAA with the latest, greatest stuff every Monday for your viewing pleasure, though occasionally, the latest datasets aren't available right away. If you encounter an issue, let me know.

NASA EYES ON EXOPLANETS APP

For those interested, this app is now available on all the SO laptops. It's pretty cool! If you want to try it at home, you can download it to your PC or Mac here--and it's free:

<http://eyes.nasa.gov/download.html?manual>

SPACE ODYSSEY ITEMS REPAIRED THIS WEEK

Thin Sections Microscope had its slides re-glued, polarizers replaced and will have new labels reapplied where needed.

The Moon Phases had its leg base replaced and reinforced--please do be careful when using this cart and follow the instructions for set-up if you're unsure. If you need a refresher, please view the setup instructions here:

http://spaceodyssey.dmns.org/media/65767/532_moonphases.pdf

PIC OF THE WEEK

Here's a pic of the solar viewing telescope team in action out on Boettcher Plaza for the Earth Day Free Day last week. Thanks again to everyone in Space Odyssey and out on the plaza for their help with this day! If you have a pic of your team in action that you'd like to share, send it on over to me.



NASA CLIMATE UPDATE

<http://climate.nasa.gov/news/>

THIS WEEK'S COOL SPACE STUFF ON THE WEB:

Moon phases hour by hour...

http://www.slate.com/blogs/bad_astronomy/2014/12/17/moon_phases_2015_hour_by_hour.html

Cassini mission to Saturn...still very cool...in more ways than one....

<http://saturn.jpl.nasa.gov/>

ULA's mid-air capture idea..found this while searching about it..

http://www.ulalaunch.com/uploads/docs/Published_Papers/Evolution/PartialRocketReuseUsingMidAirRecovery20087874.pdf

Funny but true...

<http://gizmodo.com/mysterious-radio-signals-came-from-microwave-oven-not-1697329986>

DMNS CAMP-IN SCHEDULE

Upcoming camp-in dates include:

- April 17-18, (Fri-Sat)
- April 23-24, (Thurs-Fri)
- April 30-May 1, (Thurs-Fri)
- May 7-8, (Thurs-Fri)
- May 13-14, (Wed-Thurs)
- May 15-16, (Fri-Sat)

What's a Camp-In you ask? Check it out:

<http://www.dmns.org/teachers/events-programs/camp-ins/>

SCFD COMMUNITY FREE DAY CALENDAR

The Museum is offering 12 Community Free Days in 2015, 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 "community free days" throughout the year to allow those who can't afford admission the privilege to visit DMNS. Below are the dates for the 2015 free days. To learn more about SCFD, [click here](#).

- Saturday, April 25 (Día del Niño)
- Sunday, May 31
- Monday, June 29
- Sunday, July 26
- Monday, August 17
- Sunday, September 27
- Monday, October 19
- Monday, November 9

trainings and meetings

SPACE ODYSSEY SHARE FAIR

May 11, 2015

6 PM to 8 PM

Space Odyssey

Food and drink will be served

RSVP to Dave Blumenstock, dave.blumenstock@dmns.org

This training should be a blast! At this training, we ask volunteers to share what they know about their favorite activities. So, are you someone who'd like to share what you know about the Orbits Table, or SOS, or Meteorites, or Barany Chair or something else? If so, let me know. Are you someone who'd like to learn from your fellow SO volunteers about how they teach different activities? Then let me know that you'd like to attend this training. Hope you can join

us! Please let me know if you have any questions.

storytelling with uniview

by Dr. Ka Chun Yu, PhD Curator of Space Science DMNS

You can read all of Ka Chun's previous columns on the MGG Portal:

<http://spaceodyssey.dmns.org/exhibitsprograms/interactives-exhibits/orbits-explorer.aspx>

NOTE: If you're having issues viewing this column in Firefox, try using Safari or Explorer as those seem to show the column in the best quality. I'm not sure about Chrome.

space science lectures & events

STARFEST CONVENTION IN DENVER

Here is a link to the whole schedule for Starfest. It looks like they have at least 3 astronomy talks: <http://starfestdenver.com/schedule/>

Alan Stern is talking about New Horizons and why Pluto is a planet on Saturday at 11. Carolyn Collins Petersen is giving 2 talks. One on exoplanets Sat at 2 and one on Hubble's 25th anniversary Sunday at 2 (she worked with Hubble in grad school).

The convention is Fri April 17 - Sun April 19.

Thanks to Naomi Pequette for the above info!

HUBBLE SPACE TELESCOPE 25TH ANNIVERSARY EVENT

Phipps IMAX Theater

Tuesday, April 21, 7 p.m.

Tickets: \$8 member, \$10 nonmember

[Click here for more info and to register.](#)

On April 24, 1990, the space shuttle Discovery rocketed into orbit carrying a precious payload, the Hubble Space Telescope. Soon after launch, the discovery of a flawed mirror became one of the biggest disappointments in NASA history. In 1993, a daring shuttle mission installed "eyeglasses" to correct its blurry vision-and Hubble finally lived up to its full potential. Through 2009, four more shuttle crews visited Hubble to add new instruments and to repair and renovate the spacecraft, making it arguably the most significant telescope in the history of astronomy. Hubble's observations-from nearby bodies in our solar system to the most distant galaxies-have revolutionized our understanding of the known universe. Join our distinguished

panel of scientists and engineers as they celebrate Hubble's 25th anniversary and discuss some of the most significant discoveries made by the "crown jewel" of astronomy!

All of the panelists have played major roles over the course of this historic mission:

* James Crocker, vice president and general manager of civil space at Lockheed Martin Space Systems Company, conceived the idea and led the team that developed the correction for Hubble's flawed optics.

* Dr. James Green, professor and chair of the Department of Astrophysical and Planetary Sciences at the University of Colorado, was principle investigator of the Cosmic Origins Spectrograph, the newest instrument added to Hubble in 2009.

* Kristin Martinez, principal mechanical design engineer for Ball Aerospace and Technologies Corporation, designed hardware for the Advanced Camera for Surveys and the Cosmic Origins Spectrograph, two of the main science instruments currently operating onboard the telescope.

* Bruce McCandless II, retired NASA astronaut, worked to design Hubble to allow servicing by astronauts in orbit and was a crew member on the STS-31 space shuttle mission that carried the telescope into orbit in 1990.

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. As of May 12, please call Guest Services at 303.370.6000 to make a reservation.

Guest Services is open daily, 9:00 - 5:00 p.m.

Admission to 60 Minutes in Space is free and is on a first come, first seated basis.

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!

museum news and events

NATIONAL VOLUNTEER WEEK: APRIL 12-18

Volunteers are the heart of non-profits and we value your time and efforts on our behalf.

To thank you for your valuable contributions during the year, organizations throughout the Denver Metro area are offering special discounts, free admissions and/or other offers during National Volunteer Week Sunday- Saturday, April 12-18th.

These offers were created especially in honor of YOU! We highly encourage you to explore the amazing cultural venues in our community and hope you will attend at least one this week.

[Please click here to see the offers from local organizations.](#) There may be a coupon attached as

well. Additional offers and corrections can be found at www.sccollaborative.org

*To participate you must provide proof of your volunteering (badge, photo of your badge or other evidence such as a card and/or this letter) and a photo. Then enjoy a day of fun as a sincere appreciation for all you do.

*Guests who do not have a volunteer badge are required to pay full admission. Volunteer Appreciation Week runs one week only from April 12-18th, 2015 and unless noted these offers are ONLY good during this time.

The coordinating organization, the Scientific and Cultural Collaborative is an organization funded by the SCFD, the Scientific and Cultural Facilities District - the cultural tax in the 7 county metro area. Additionally, there are several organizations participating outside of those funded by the SCFD.

Thank you for Everything You Do!

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

Click here for more information about VEC events:

<http://volunteers.dmns.org/events/>

Or see the bulletin board in the Volunteer Lounge for more info.

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Join the Museum's Online Community

www.dmns.org