



VOLUNTEER ASSOCIATION CANDIDATES FOR OFFICE

September and the Annual Meeting are approaching. It's time to think about a new slate of officers for our association. The following candidates have been selected.

President: BARRY GRANOFF
President Elect: PAT ROBINSON
Secretary: DAVID JACKSON
Treasurer: DWIGHT HARRIS



PRESIDENT: Barry Granoff. Barry is a lifelong learner and teacher, who believes that the closest distance between two people is a hearty laugh. Having grown up in a working-class neighborhood in Brooklyn, NY, he learned that the combination of education and humor was a potent formula for success which has sustained and

energized him for most of his life. Now, about a half-century later, and for the past six years as a volunteer at the New Mexico Museum of Natural History & Science, Barry interacts with colleagues and visitors, teaching, laughing, and learning.

Between Brooklyn Dodger days and becoming a museum docent, Barry earned a BS in chemistry (CCNY) and a PhD in physical chemistry (Princeton); spent three years, as a research

scientist, at the Dupont Experimental Station (Wilmington, DE); worked at Sandia National Laboratories (both R&D and management); taught undergraduate honors classes at UNM; and watched (lovingly) as his children and grandchildren began to describe him as “older than dirt.”

In his own words: “The Museum has enabled me to realize the importance of contributing to our community as a volunteer and has propelled me to move out of my previous comfort zone. So, in the past several years I’ve also volunteered as an Intel ISEF (International Science & Engineering Fair) Grand Awards Judge; a tutor for the Albuquerque Reads Program (“Help Them Learn to Read... And You Open a New World”); and an instructor for Lifelong Learning New Mexico.

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Now that the Titanic Exhibit and the Space Sciences Exhibits have raised the bar for volunteer participation, the Museum has become a more exciting, dynamic place to be. The opportunities are virtually unlimited for us to contribute to future world-class exhibits, to witness novel applications of educational technology, and to watch the unbridled curiosity of children (and a few adults), as they immerse themselves in hands-on exhibits and activities.

Yes, this will be challenging for us. Yes, this will require enthusiasm, revitalization, and lifelong learning for us. And yes, I will listen to you, and work together with you to help make our Museum the premier go-to place for fun, education, and discovery.”

PRESIDENT ELECT: Pat Robinson. Pat Robinson is a native of Colorado and a graduate of the University of Colorado. Shortly after graduation she and her husband Pete embarked on an adventure that would last 33 years with his career in the Air Force. The family including son, Eric and daughter, Kristen lived in several states and spent 12 years living overseas in three different countries.

An assignment in 1990 brought Pete and Pat to Albuquerque where Pat fell in love with New Mexico. That and a lifelong interest in many of the subjects covered in the NMMNH&S exhibits made going through docent training a natural. Except for a four year break in service due to one last move,



she has served as a museum volunteer ever since.

Pat previously served on the volunteer board while heading up the field trip committee for three years. She also volunteered as a docent at the Maxwell Museum of anthropology

for 10 years. She has many interests including hiking, gardening, travel and reading.

The museum seems to have a new lease on life with our wonderful new director Charles Walters and the capable direction supplied by Dwight Jennison for our Volunteer Association. Pat looks forward to

working closely with Barry Granoff to build on and maintain all the progress that has been made.

SECRETARY: David Jackson. David has agreed to continue with the responsibility for a second year. David began volunteering at the museum three years ago, contributing to Solar Sundays. An Albuquerque resident since 1954, Dave is a UNM graduate with a BA in Russian Studies, which he put to use during a tour in the US Army.

TREASURER: Dwight Harris. Dwight has been an enthusiastic volunteer at the NMMNH&S since the summer of 2009. He grew up on a farm near Fargo, ND and attended two years of college at North Dakota State University. After transferring to the University of Washington in Seattle he graduated with a BA in history in 1966. At the height of the Vietnam War he was drafted and went to OCS. Three years later Dwight reentered civilian life and earned a teaching credential at the University of



Washington. In 1975 Dwight started teaching in Seattle Public Schools. A guiding commitment of his throughout his teaching career has been to aggressively promote lifelong learning

among his students and for himself. In the early 1980s he began to use the power of technology to help promote lifelong learning opportunities for his students and for himself. In 1997 Dwight began work in Instructional Technology in Seattle Public Schools. In that role he was involved in many technology initiatives including ones that involved teaching and learning and others that involved student information systems. In 2006 Dwight and Louise retired and moved to Albuquerque, NM, to be close to their grandchildren. Dwight finds volunteering at the museum fits his lifelong learning commitment.

Meanwhile, our association President **Dwight Jennison**, volunteer cosmologist and burgeoning vertebrate paleontologist, will serve for the next year as **Immediate Past President**.

Although a slate of candidates has been established, our association bylaws do provide that candidates for any of the four officers can be nominated from the

floor at the Annual Meeting in September, provided the candidates are present and give consent, or if not present, have given written consent.

-John McDonnell



**ASTC IS COMING TO
ALBUQUERQUE AND
WE NEED YOU!**

ASTC (Association of Science and Technology Centers) is the national organization for science museums and science centers of all types. **The national ASTC annual meeting for 2013 is being held right here in Albuquerque on October 19-22 and our Museum, Explora, and the Nuclear Museum are all co-hosting this week-long event.**

This is a great opportunity for our Museum to shine, and to show off our best to our national museum colleagues. And, of course, our "best" includes all of you, our volunteers.

We will need as many of you as possible to volunteer for that week... not just in the Museum doing your regular work and for the big gala evening reception, but also as volunteers at the ASTC meeting at the Convention Center. We will need volunteers to help with meeting registration, sessions, and all aspects of the meeting, and the nice thing is that, as an ASTC volunteer, you will be able to attend meeting sessions or visit the meeting exhibit hall--you will also get a few fun freebies to thank you for your work!

Doug will have more information soon about the various tasks and more info will be in the next VAN. But for now it is important to find out how many of you will be able to help.

Please sign up on the sheet in the volunteer lounge if you are willing to help with this amazing opportunity.



ROGER ELSINGER
April 1, 1936 – April 6, 2013

Space Science in the Museum lost an important part of our team recently when volunteer Roger Elsinger died on April 6, 2013. Many of you may not have known Roger because he worked primarily behind the scenes in research and exhibits. He walked into my office one day in 2010 and asked me if he could help in any way with the NASA Mars research that has been going on at the Museum for the past decade. The amazing thing about Roger was that he would see a need and begin to fill it. Over the next two years he became an integral part of the revitalization of space science at the Museum.

On the research side, he found the software, worked with the software company to produce the tools that we needed, and learned how to use it in order to develop a way to contour the topography of Mars at the scale and context of the rover. He thought that this project was really wonderful because as a boy in North Dakota he had helped his father do the first contour plowing ever done in the region....and now he was drawing contours on another planet!

On the exhibit/education side, he saw the need to provide updates on both rovers as part of the Mars exhibit, and he developed a way to do it. Once again, he found and purchased the hardware and software and learned how to use it to produce excellent videos, containing images, annotations, video clips from NASA, music, and his own carefully written and spoken narration. He spent hours learning to produce these videos, frequently recording the narration in his own home during the quiet of the night. He purchased and donated everything needed

to produce, transfer and store these videos, as well as a new plasma screen and other hardware for the Mars Rover Exhibit. In fact, he purchased and donated thousands of dollars in hardware, software, and exhibit components. As a volunteer he was putting in increasing hours, working almost daily with me in my office. Roger worked 200 hours in 2013, and that was just in January and February.

In early March Rodger was diagnosed with liver cancer and given four weeks to live. He died, looking forward to the "next adventure," on April 6, 2013, at the age of 77. He traveled an interesting path in his life from Dakota farm boy to Catholic parish priest to bush pilot for the Tarahumara to entrepreneur, husband, and father. He thought deeply about the world and life around him and had come to believe in science as an ultimate truth. He wrote: "I have endeavored to discover and live my *truth* outside the confines of *organized truth*, on virtually all levels of my being and experience." Rog's memorial/remembrance was held at the Museum, with his friends and family gathered around *Science on a Sphere*, and he continued to support the Museum by making arrangements for his friends to honor him with donations to Space Science at the Museum.

For a brief time, I was honored to have Roger work with me. I will miss him.

-Larry Crumpler, Ph.D

August CONTINUING EDUCATION FOR MUSEUM VOLUNTEERS

The next continuing educational program for museum volunteers, docents and tour guides will be held in the multipurpose room from **10:30 a.m. to 12:30 p.m. on August 15**. The program will be followed by a lunch snack.

The main speaker will be **Michael Sanchez** whose topic is **DARWIN AND HIS BIG IDEA** - the roots of evolutionary thought. Mike offers the following as an introduction to this interesting and important subject.

In 1859, a book was published that transformed the science of biology and has reached deeply into fields as diverse as medicine and agriculture. Yes, Charles Darwin's ORIGIN OF THE SPECIES was a landmark publication, but where did his idea come from? Explore the concept of evolution and learn of the evolution of an idea that continues to change the world.

-Bud Hodgin, Coordinator
Continuing Education Committee

September CONTINUING EDUCATION FOR MUSEUM VOLUNTEERS

The September continuing educational program for museum volunteers, docents and tour guides will be held in the multipurpose room from at **10:30 a.m.**

to 12:30 p.m. on Thursday, September 26, in the MPR. The program will be followed by a lunch snack.

SCHEDULE

10:30-10:45: Deb Novak, Director of Education

10:45-11:45: Larry Crumpler, Ph.D. *The latest from Mars*: New discoveries include the first look in the field (via rover) at a large impact crater.

11:45-12:15: What's New, Dwight Jennison, Ph.D.

VOLUNTEERS INVITED TO A REALLY SPECIAL EVENT ON SEPTEMBER 5

... and asked to help out as well!

The Museum is pleased to offer a special event...

**An Evening with
Alexandra
Cousteau
Conservation and
Water
Sustainability
September 5
7:00 - 8:30 p.m.**



This is expected to be a big event and may very well be a full-house. We are saving 25 seats for volunteers. But, because I will need a lot of help on this event, the 25 volunteers who attend will also be asked to work with me during the evening.

Since we assume that many of you may want to attend this lecture, and in order to be fair, we will have a box in the Volunteer Lounge for you to drop your name and contact info (please print) if you are interested in attending/working the event.

We will draw 25 names about a week before the event, and call those folks to make sure that they will be able to attend. If they have to withdraw for some reason, more names will be drawn until we have the total.

CONTINUED

If, by any chance, more seats are available that evening, more volunteers will be let in free; however, if you want to ensure a seat, you might want to go online or purchase a ticket at the member rate at the admissions desk.

Any questions... let me know...

-Jayne Aubele, 841-2840
jayne.aubele@state.nm.us

VOLUNTEERS NEEDED FOR AMTEACHER OPEN HOUSE



September 25, 2013 • 5:30 p.m. - 8:30 p.m.

Mark this date down on your calendar! This is an annual event for K-12 teachers from central New Mexico, and it represents a great partnership with our neighboring “Museums on Mountain Road.”

The New Mexico Museum of Natural History and Science, Explora, and the Albuquerque Museum will all be open and free to an estimated 500 local classroom and homeschool teachers. The Museums will also host a total of approximately 50 local providers of low-cost or no-cost curricula and classroom materials. These exhibitors will be located throughout all three facilities.

The DynaTheater and Planetarium will offer free programs. Tickets will be available on a first-come, first serve basis during the Open House.

Those of you who have volunteered your time for this event in past years know what fun it is – and how much it means to the teachers who attend! Of course, this event couldn’t happen without those of you who volunteer your expertise and time. We need your help with Teacher Registration and Crowd Control; Event Set-up; Exhibitor Unloading and Set-up; Hospitality, Naturalist Center, Fossilworks, Exhibits, and other locations as needed.

I will be putting up a sign-up sheet in the volunteer lounge in August. A big and heartfelt thank you to all of you who helped last year and in past years. And an equally heartfelt thank you (in advance) for those of you who will help this year. If you need more information, please contact me.

Thank you!

-Jayne Aubele, 841-2840
jayne.aubele@state.nm.us

FRIENDS OF PALEONTOLOGY



Photo from Mariano Apodaca

The next two meetings of the Friends of Paleontology will be held in the Museum Multipurpose Room at the following dates and times:

DATE: Monday, **16 September**, 2013,
TIME: 7:00 p.m.
SPEAKER: Amanda Cantrell
SUBJECT: Latest dinosaur discovery in the Cretaceous in the San Juan

DATE: Monday, **21 October**, 2013,
TIME: 7:00 p.m.
SPEAKER: TBD
SUBJECT: TBD

-Dick Yeck, VP Programs, FOP

300 MINUTES OF SCIENCE

Catch the Museum every Monday morning at 11 a.m on KOB TV 4 for the exclusive series—*300 Seconds of Science*. Designed to bring the museum to your home and classroom. Learn about all of the sciences at the Museum.

Be a part of it!

SUBMISSIONS FOR VAN

Please put the word ‘VAN’ in every emailed submission Subject line . This will reduce the chances of my missing your input! Thank you!

-Louise Harris, Editor

**AUGUST AND SEPTEMBER, 2013
MUSEUM ADULT AND FAMILY
EDUCATIONAL PROGRAMS**

Special Events

**AN EVENING WITH
ALEXANDRA COUSTEAU**

Thursday, September 5 • 7:00 – 8:30 p.m.

Join us for this special event. Alexandra Cousteau will share her lifelong explorations and the importance of conservation and the sustainable management of water to preserve a healthy planet.



A National Geographic explorer, filmmaker, and globally recognized advocate on water issues, **Alexandra Cousteau** continues the work of her renowned grandfather Jacques-Yves Cousteau and her father Philippe Cousteau Sr. Her global initiatives seek to inspire and

empower individuals to protect not only the ocean and its inhabitants, but also the human communities that rely on freshwater resources.

This visit by Alexandra Cousteau has been made possible by a contribution to the Museum from Ms Tracy Holmes.

Event held at the New Mexico Museum of Natural History & Science, 1801 Mountain Rd. NW, Albuquerque, NM 87104 • (505) 841-2800

Visit: www.nmnaturalhistory.org

\$20 (\$15 members & Seniors, \$10 children/students) Tickets on sale at the Museum Box Office or online.

Purchase in advance online to guarantee your seats, go to www.nmnaturalhistory.org (Online ticket fees may apply) or purchase tickets at the Admissions desk prior to the event (no ticket fees if purchased at the door). Doors open at 6:15 p.m.

Questions: August Wainwright
email: programs.NMMNHS@state.nm.us
call: (505) 841-2861

ALL THAT GLITTERS

**September 28, 2013
6:30 p.m. – 9:30 p.m.**

The New Mexico Jewelers Association presents the 2013 *All That Glitters Jewelry Design Competition* awards gala event at the Museum.

Note: View the jewelry designs submitted to the competition free (with Museum admission) from September 29 to November 13, 9:00 a.m. to 5:00 p.m.

**TITANIC – NM-PBS
Science Café**

Speaker: **Sandia Lab Engineer**

(To be announced)

Date: **Saturday, September 28, 2013**

Time: **10:00 a.m. - 12 noon**

Topic: **Metal Strength And Composition
As It Relates To The Titanic**

A reservation is required. (There will be a discounted charge for touring the exhibit after the presentation.)

RSVP to Rose Poston at 277-2396

or rposton@newmexicopbs.org

Seats are limited and available on a first-come, first-served basis.

Be more curious...be more amazed...come to the New Mexico PBS Science Café.

New Mexico PBS Science Cafes are presented with support from Intel.

UNM Office of the Vice President for Research and Economic Development and Sandia National Labs/ Lockheed Martin.

Field Trips

... butterflies and bugs ...



BUTTERFLIES AND BUGS— FAMILY FIELD EXPLORATION

Saturday, August 10 • 8:15 a.m. 1:00 p.m.

Mike Sanchez, Biologist and the Museum's
Naturalist Center Supervisor

Join great naturalists to search for some small creatures of summer. Exploration will take place at the Museum's Sandia Mountain Natural History Center (SMNHC) in Cedar Crest. (it is about 30 minute drive from the Museum.) Together we will look for beautiful butterflies, amazing ants, burnished beetles, and spinning spiders. We will have bug boxes, nets, and microscopes.

All ages welcome. Limited to 25 participants.

\$40 Adult (\$35 Member or volunteer), \$20 Children (age 4 - 12); Children under age 4 free.

Bring your own lunch, sunscreen, water and dress appropriately for the weather. Meet at the Museum at 8:15 a.m. One Museum van (12 people) will be available and others can carpool as needed. If you prefer, meet the group at the SMNHC at 8:45 a.m. Directions to the SMNHC are available on the Museum website.

Purchase in advance, Space is limited, go to www.NMnaturalhistory.org (Our ticketing system is changing, online ticket fees may apply.)

Questions: August Wainwright
email: programs.NMMNHS@state.nm.us
call (505) 841-2861

Adult Nights

Art and Science Night—An Adult Night!

Friday, August 9 • 6:30–10:30 PM

A night when art and science meet!

The NMHU Department of Media Arts & Technology at The Museum will present information and hands-on demos of 3D printing, *Kinect*, and scanning.

\$9, \$6 members (Ticket prices do not include admission to *Titanic*). No preregistration required. Purchase tickets at the door the night of the event.

Questions: August Wainwright
email: programs.NMMNHS@state.nm.us
call: (505) 841-2861

Adult Classes

Creative Wire: Minerals and Jewelry

Camille Argeanas, artist

Jayne Aubele, geologist

Friday, August 16 • 10:00 – 11:30 a.m.

Learn a few fun things about New Mexico's natural world from a geologist's perspective and then create your own handcrafted wire jewelry that will showcase these gems of the earth. Unleash your creative spirit and bring forth that unique-onto-itself piece of art, while you will learn the basics of wire wrapping. Create either a pendant, earrings, or bracelet. This class is geared for adults and older children, ages 12 and above. No prior experience in art or jewelry making is required. The class fee includes most materials.

Camille Argeanas, a native New Mexican, is a nationally known wire wrapping artist and teacher who has virtually transformed the meaning of using wire to create unique and beautiful jewelry. Her skill as an educator has been recognized and documented in two instructional videos distributed by a national leader in the jewelry supply trade. She has taught regularly at the UNM's Division of Continuing Education for over twenty years. Recently, Camille's work was featured by juried selection in *Showcase 500 Beaded Jewelry* by Lark Publications.

Jayne Aubele is a geologist who has mapped and researched the geology of New Mexico, as well as studying the Moon, Mars, and Venus for NASA. She is co-author of the *Field Guide to the Sandia Mountains* and was geologic technical advisor and on-camera geologist for the 2008 PBS program, *The Sandias*. She is Coordinator of Museum Adult Education Programs. Over the years, she has taught adult classes in all aspects of geology. She is past-President of the New Mexico Academy of Science and a Fellow of the Geological Society of America.

\$35 (10% member discount)

Pre-registration required. For more information or to guarantee your place in this class, register online, go to www.nmnaturalhistory.org (online ticket fees may apply).

Questions: August Wainwright
email: programs.NMMNHS@state.nm.us Nights
call (505) 841-2861

Curator's Coffees

Café Style Programs

Join us for a casual discussion followed by a themed PM tour. Limited to 15 people and includes coffee, light refreshments, and Museum admission.

August Curator's Coffee

BUILDING EXHIBITS: THE MUSEUM'S EXHIBIT FABRICATION DEPARTMENT

Mike Pierce, Manager, Exhibit Fabrication and Maintenance, NMMNHS

Thursday, August 8 • 9:30 – 11:00 a.m.

Did you know that the museum has a professional electrician on staff, as well as a paint shop, wood shop, and a metal fabrication shop? The Museum boasts a multi-talented exhibits staff as well as a 16,000 square foot facility located in a separate building. The work done by the exhibit staff reflects passion and creativity that impacts all other museum departments, our public exhibits, and our visitors. This talk will include a facility tour with focus on staff talent and diversity, volunteer opportunities to work with exhibits fabrication/maintenance, tools and equipment, materials and methods, and exhibit development and fabrication.

Mike Pierce has been with the Museum since 1993 and has held several positions over the years. Currently, he is Fabrication & Maintenance Manager and works to develop, build and maintain all Museum's in-house exhibits.

\$8 (10% discount for members and volunteers)

Pre-registration required. Limit 15 participants. To guarantee your place, register online, go to <http://www.nmnaturalhistory.org> (Online ticket fees may apply.)

Questions: August Wainwright
email: programs.NMMNHS@state.nm.us
call (505) 841-2861

September Curator Coffee

STUDYING HIGH ALTITUDE HUMMINGBIRDS

Chris Witt, Ph.D.

**Thursday, September 12, 2013
9:30 – 11:00 a.m.**

Several hummingbird lineages have colonized high altitudes independently, but the ways in which they may have adapted to these environments are currently unknown. My collaborators and I are examining dozens of hummingbird species in an attempt to better understand their adaptations.

Chris Witt is Curator of Birds at the Museum of Southwestern Biology and Associate Professor in the Department of Biology at the University of New Mexico. He is originally from Philadelphia. He received his Ph.D at Louisiana State University in 2004. He joined the faculty at UNM in 2007. Dr. Witt uses integrative, specimen-based approaches to study biogeography and evolution of New World birds. Dr. Witt received his Ph.D. from Louisiana State University.

\$8 (10% discount for members and volunteers)

Preregistration required. Limit 15 participants. To guarantee your place, register online, go to <http://www.nmnaturalhistory.org> (online ticket fees may apply)

Questions: August Wainwright
email: programs.NMMNHS@state.nm.us
call (505) 841-2861

First Sundays

**Sunday, August 4, September 1,
9:00 a.m. – 5:00 p.m.**

FREE Admission to the Museum for all New Mexico Residents

On the first Sunday of every month, the New Mexico Museum of Natural History and Science is FREE to all New Mexico residents. (Bring NM ID or proof of residence. Regular admission fees for DynaTheater and Planetarium shows and Titanic Exhibit.)

First Sunday Special Events:

Guided Tour of the Museum Public Exhibits
Every First Sunday • 1:30–2:30 p.m.

Take a free, fact-filled, fun, guided tour of the Museum exhibits.

Limited to 14 participants ages 13 and up
No registration required. Tours are first-come, first served.

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FREE Admission to the Sandia Mountain Natural History Center

Gates Open for the Public
9:00 a.m. – 4:00 p.m.

The Sandia Mountain Natural History Center (SMNHC), the Museum's offsite environmental education facility, is located in the Sandia Mountains. Attend a special natural history presentation, and experience geocaching, the bird blind, self-guided hikes, and picnicking.

Presentations at SMNHC

- August 4 – Geology of the Sandias
- September 1 – Sharks in the Sandias

No Registration Required. For directions to the center and other info, go to www.NMnaturalhistory.org

Questions: August Wainwright
email: programs.NMMNHS@state.nm.us
call (505) 841-2861

Museum Tours

Museum Exhibit Tours

Every Monday • 1:30 – 2:30 p.m.

Take a docent-led, fact-filled, fun, guided tour of the Museum exhibits. Limited to 14 participants ages 13 and up. Meet in the Atrium at the stadium seating.

Free (with Museum Admission)
No registration required. First-come, first served.

Questions: August Wainwright
email: programs.NMMNHS@state.nm.us
call (505) 841-2861

Special Events - Teachers

Bosque Education Guide Workshop for Teachers

Thursday, August 1, 8:30 a.m. - 4:30 p.m.
At the Rio Grande Nature Center State Park

Join other educators in getting to know this amazing hands-on, elementary to twelfth grade,

interdisciplinary curriculum about the Middle Rio Grande bosque ecosystem.

For more information, visit the Bosque Education Guide website:
<http://www.nmnaturalhistory.org/bosque-education-guide.html>

Pre-registration is required. To reserve a space call: 505-344-7240.

Workshop is free. \$3 per vehicle day-use fee (exact change or check) for the RGNC. Curriculum and kit of materials included with full-day workshop.

Rio Grande Nature Center State Park
2901 Candelaria NW, Albuquerque, NM 87107
(505) 344-7240

Educator Free Days For TITANIC EXHIBIT

AUGUST 7 AND AUGUST 13

No registration required. Must provide proof of being an educator for the free admission into the exhibit. ***Titanic: The Artifact Exhibition*** is a great catalyst for lessons in Science, History, Geography, Language Arts, Math and Technology. Educational resources have been designed to link this built-in interest to classroom-friendly lessons that will generate student interest before your visit and extend student learning beyond your field trip. Visit www.NMnaturalhistory.org educators webpage for Teacher's Guides from Elementary School to High School, as well as bilingual Spanish Teachers' Guide.

Questions: August Wainwright
email: programs.NMMNHS@state.nm.us
call (505) 841-286

STARTUP for Teachers

STARTUP for Teachers
Saturday, August 17 • 1:00–4:00 P.M.

Explore the Museum's *STARTUP: Albuquerque and the Personal Computer Revolution* Gallery. The NM Highlands University Department of Media Arts

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and Technology, is offering one workshop for teachers (and interested adults at The Museum, **Sensors (Intro to Arduino)**)

Do you need some just before school inspiration? Come learn about the Arduino micro-controller for art making or education! Learn to program switches, LEDs and light sensors!

Instructors:

- **Miles Tokunow**, AmeriCorps Cultural Technology member, NMHU graduate student
- **Miriam Langer**, Ph.D., Professor of Media Arts & Cultural Technology, NMHU
- **Stan Cohen**, Ph.D., Visiting Professor, Department of Media Arts & Technology, NMHU

\$95 (includes materials and book) (10% discount for museum members and volunteers)

Pre-registration required. For more information or to guarantee your place in this class, register online, go to <http://www.nmnaturalhistory.org>. (Our ticket system is changing, online ticket fees may apply.)

Questions: August Wainwright
email: programs.NMMNHS@state.nm.us
call (505) 841-2861



Teachers OPEN HOUSE

Wednesday, September 25, 2013
5:30 – 8:00 p.m.

The Museums on Mountain Road (Natural History, Explora, and Albuquerque Museum) are open and free to all teachers of all grade levels.

Approximately 50 outside providers of no-cost or low-cost curriculum and classroom materials will exhibit their materials. Enjoy exhibitor booths, museum exhibits, special attractions, and discounts at all museum stores. Register for a door prize by attending all 3 museums during Teacher Open House.

Attend a 3-D DynaTheater and Free Planetarium Sampler. Pick up tickets at the Museum entry for DynaTheater and Planetarium.

Free to all teachers Pre-K to 12, pre-service, classroom, and homeschool). No registration required for teachers.

Note: This is a professional development opportunity for teachers; please plan to bring your families to the museums at another time.

Questions from teachers: please contact Theresa Sedillo at The Albuquerque Museum, at 505-243-7255 or go to <http://www.cabq.gov/culturalservices/albuquerque-museum>.

General questions: August Wainwright at programs.NMMNHS@state.nm.us or 505-841-2861

Sponsored by KNME



VOLUNTEER PROGRAM FISCAL 2013 REPORT

Below you will find a summary of volunteer hours from July 1, 2012, to June 30, 2013, as reported by the Volgistics system. I think you will enjoy making a comparison with 2012 Fiscal numbers. (The 2013 Fiscal Year represents the first year of the Shared Volunteer Coordinator position.)

- The **Astronomy** program has seen impressive growth. Kudos to the volunteers who have made it happen, especially **Roger Kennedy**. The value brought to the Museum by Astronomy includes technical work and equipment donations in the thousands of dollars.
- **Titanic, the Artifact Exhibition** has brought in unprecedented numbers of visitors and required 105 volunteers a week to staff—a major recruiting and scheduling challenge. Thank you to many long-time volunteers and many new people who responded to the public's enthusiasm for Titanic--the history, the science, and the tragedy.

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2013 Active Volunteers:	425	2012 Active Volunteers:	327
Hours (+Merit) Donated:	44,575.00	Hours (+Merit):	35,478.63
FTE Equivalent:	19.45	FTE Equivalent:	15.75
Hours Value:	\$691,591.92	Hours Value:	\$560,113.29

2013 Hours donated to programs:		\$ Value:
Titanic:	3,437.00	\$ 58,772.86
Astronomy	2,789.33	\$ 47,697.43
Education:	25,419.33	\$434,670.92
Exhibits:	2,097.88	\$ 35,873.86
Operations:	1,454.45	\$ 24,871.02

Titanic related numbers (3/23 to 6/24/2013):		
Museum visitors:	84,821	(last year: 58,134)
Titanic visitors:	37,918	
Museum Revenue:	\$332,450	(last year: \$206,368)

This is a major accomplishment. We can all take credit for our part in moving the Museum ahead (and avoiding icebergs). Thank YOU!

-Doug Simon, Shared Volunteer Coordinator

And thanks also to Doug for putting together this fiscal report and sharing it with us!

-Louise Harris, VAN Editor

The VAN

The VAN is published bimonthly. There are six regular issues each year: *February-March, April-May, June-July, August-September, October-November and December-January* and an occasional *Special Issue*. The deadline for submitting articles or photographs for the next regular issue is always the fifteenth of the month prior. The deadline for the *October-November* issue, for example, will be September 15, 2013.

Please send items for the VAN to Louise Harris, VAN Editor, <louise@goingourway.net>, with a copy to Chris Sanchez DCA <chris.sanchez@state.nm.us>

The VAN mission is to inform, engage, and enhance the experience of NMMNHS Volunteers, by acting as a vehicle of *continuing education*, keeping volunteers informed about the Museum, and relaying news of volunteers and their activities.

We welcome your articles pertaining to the museum. We may edit for clarity and space limitations.

Submission Request: Please put "VAN" in submission title.