

## Ford Model A's At MOAH



On March 15<sup>th</sup> the Santa Clara Valley Model A Club came to MOAH for a tour and lunch in the gardens. Forty-five members of the club drove up in their vintage Model A's and parked them in the MOAH parking lot. Surprisingly, we were able to fit 17 Ford Model A's on the MOAH property for visitors to admire. The beautiful vehicles drew a huge crowd of general visitors and MOAH members.

After a short introduction to MOAH and the Williams House and family, club members enjoyed touring the museum. Luckily the weather was gorgeous, and the wisteria arbor created the perfect setting for a nice lunch.

By about 1:30PM, club members started revving their engines and they were on their way (all of the vehicles started!). We sure hope the Santa Clara Valley Model A club visits us again; their vehicles made quite the display.



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## From Our President

Jim Wall



### Another milestone at MOAH

I have big news to report for our museum ... over 13,000 square feet of big news. In mid-April, MOAH's Board of Directors completed negotiations to purchase a warehouse to house the museum's artifact collection. This is an exciting event, and yet one that took a great deal of thought and analysis before it was acted on. Here is more of the story.

First, everyone needs to remember that our museum has a very large collection of items to store. From the very beginning, MOAH has had two main focuses: first, to collect and preserve early electrical and mechanical artifacts, and second, to display this technology to the public. Since inception, the largest item in our yearly budget has been the expense to house the collection.

Until this purchase we have always leased warehouse space. And like rental houses, leasing space always poses inherent problems: increasing costs over time; the possibility of having to move as the lease cost gets too prohibitive or the owner decides to not extend the lease; and the increasing chance that no appropriate facilities will be found when required.

For many years, the museum was not in a financial position to consider a purchase. However, thanks to Joe Ehrlich's wonderfully generous legacy, we found ourselves in the position of being able to make a down payment large enough to consider a warehouse purchase. But there were two issues that needed to be answered. First, was there a suitable building in our price range? More important, what was best for the long-term future of the museum?

We employed three, interrelated criteria for finding a building: size, location, and cost. Many suitable buildings at reasonable prices are to be found in San Leandro, Oakland, and Gilroy. But the travel impact to the warehouse volunteers ruled these options out. The cheapest industrial buildings in the immediate vicinity of Palo Alto are found in and surrounding Redwood City. But for many months, any appropriate property that was listed for sale was either too expensive or already under purchase contract. Finally, we found ourselves in the position of being the first to act on a potential sale ... a property of good size (50% larger than our current, leased warehouse), in a good neighborhood, for a good price, with a seller who was motivated to sell to us. The potential new warehouse was in good shape, with no known problems, and in every way superior to the one we are currently leasing.

See *From Our President*, Page 7.

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Frank Livermore 1919-2000

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# From Our Executive Director

Laurie Hassett



## MOAH's Blossoming Partnership with the Garden Club of Palo Alto

Well, it's true what they say...never a dull moment. Many things have been happening at MOAH over the last few months, from exhibit changes to the 10<sup>th</sup> anniversary of Vintage Vehicles and Family Festival. However, I thought I would take this opportunity to talk about MOAH's partnership with the Garden Club of Palo Alto.

The Garden Club of Palo Alto has been involved with MOAH in many capacities over the years. As you may recall, the Garden Club has given the museum multiple grants. Most recently, in 2012, the Garden Club supported the museum's garden signage project. We are proud to announce that this project is moving along, as you may have noticed from the 250+ plant identification labels in the gardens.

In addition to the plant identification labels, we have created permanent text panels, with the help of Gwenyth Cloughton and Fabio López-Lázaro, to describe each significant bed in the garden, ranging from Dora Williams' iris bed to the Mediterranean portion of the gardens. These signs have enabled MOAH to better interpret our outdoor garden "rooms" or exhibits for visitors. In a sense, we have finally properly labeled one of our most important and popular permanent exhibits. We are most grateful to the Garden Club for allowing us to fulfill this project and thank them for working closely with us to complete it.

I also wanted to address the *new* victory garden at the Williams house. In September, members of the Garden Club reached out to MOAH in hopes of helping us with one of our garden projects. After discussing some possible projects, Garden Club members Connie Cavanaugh and Eleanor Laney decided that recreating a World War II victory garden would be just the project for the Garden Club.

As you may recall, historically the Williams family had vegetable garden beds, and in 2009 Fabio recreated a victory garden to accompany the *Sunset Magazine* exhibit. However, with Fabio gone, our small (but dedicated and hard-working) garden volunteer crew was unable to keep up with the victory garden plantings. We're very excited that Connie and Eleanor were able to recruit a team of almost 20 enthusiastic Garden Club members to help launch the victory garden. The volunteers took on vegetable bed design, extensive research, weeding, soil amendment, seed propagation, and planting to recreate a beautiful example of a WWII victory garden here at the museum. The victory garden was once again planted with vegetables that would have been recommended and available to plant in California in the 1940s, and the *Sunset Vegetable Garden Book* from 1943 served as the main research resource, among many other historic publications. If you have not had the opportunity to see the new victory garden, we encourage you to visit and admire the dedication and expertise of the Garden Club.



On behalf of the Museum of American Heritage, I would like to personally thank the Garden Club of Palo Alto for their commitment to the Williams house gardens, and I look forward to many more years of collaboration. I would also like to thank Gwenyth and Fabio for their efforts in the restoration of the MOAH gardens and for their continued involvement all the way from Oahu. And lastly, thank you to Julie Norman, Buck Cox, and Bev Kinney for keeping the Williams gardens beautiful on a weekly basis.

## Current Main Gallery Exhibit

### *Time Machines: Clocks & Timekeeping*

Now through September 14, 2014

Time. We talk about it all the time. We make it, we spend it, we have it, we find it, we serve it, we mark it.

MOAH's current exhibit examines how the measurement of time has evolved from the sundial to today's phenomenally accurate atomic clocks. In between these two extremes is a collection of beautiful clocks and watches recently donated to MOAH by longtime volunteer, Bill Wehrend.

How does a quartz clock work? How are time zones organized? Why was the measurement of time so important in navigation? These are some of the questions explored in our exhibit.



Beautiful clocks, comic and curious clocks are all ticking at MOAH. We hope you take the time to enjoy them.

## Upcoming Main Gallery Exhibit

### *Museum of American Heritage A to Z*

Opening October 10, 2014

MOAH's next exhibit is as easy as ABC. Opening October 10<sup>th</sup>, *Museum of American Heritage A to Z* will introduce visitors to the breadth of the MOAH collection with a variety unrelated artifacts.

The exhibit will feature items beginning with the letter A (addressograph) and continuing all the way through the alphabet to artifacts beginning with the letter Z (zither). We hope you will enjoy some rarely seen artifacts from the MOAH collection and learn about a diverse group of historic electrical and mechanical technologies.

## The 10<sup>th</sup> Annual Vintage Vehicles and Family Festival



On May 3<sup>rd</sup> MOAH celebrated the 10<sup>th</sup> annual Vintage Vehicles and Family Festival in style with over 45 vintage cars and motorcycles. We once again partnered with the City of Palo Alto's annual May Fete Parade to create a day of fun-filled family festivities.

Homer Avenue and the museum grounds were quite the sight for visitors of all ages who enjoyed the fabulous cars, excellent museum exhibits, crafts, hands-on science demonstrations, Meccano models, new victory garden and more!

The Museum of American Heritage sincerely thanks the following for their contributions to the 2013 Annual Appeal, which raised over \$32,000 in support of MOAH's purpose of preserving and showcasing inventions of the past. Thank you for ensuring that MOAH will continue to be a place for people to visit, volunteer and learn for years to come.

Robert D. Anderson \* Clarence Anderson \* Monty Anderson \* Derek Attwaters \* Katheryn H. Baggott \* William Barranco \* Allen J. Baum \* Dick Baumgartner & Liz Salzer \* William Beall \* Vivian Blomenkamp \* John Brazil \* Tom & Polly Bredt \* Beth Bunnenberg \* Mr. & Mrs. S. E. Buttrill, Jr. \* Roger & Sarah Carpenter \* Art & Sylvia Carroll, \* Carolle Carter \* Bob Cavigli \* David Chappell \* Richard N. Clark \* Peter Cleaveland \* Marybelle Cody \* Chuck & Sue Cortsen, \* Linda Craig \* John & Pat Davis \* Richard & Pat Douglas \* Lois J. Durham \* Nikki & Duane Edmunds \* The Ely Family \* Charlotte Epstein \* Valerie Fick \* Herbert & Alice Fischgrund \* Carolyn Foss \* Clinton & Mary Gilliland \* Charlie & Roberta Gillis \* Paul Goldstein & Dena Mossar \* James & Helen Goodwine \* Mary & John Grant \* John Hanna \* Stuart & Carol Hansen \* Larry & Penny Hassett \* Richard & Laurie Hassett \* Trevor & Lori Heathorn \* Gary Hubback \* Joe & Nancy Huber \* Jim & Sally Jervis \* Mary Louise Johnson \* Spencer & Deborah Johnson \* Beverley Kinney \* Robert Kirkwood \* Jan Krawitz \* Keith & Mary Ann Kvenvolden \* Peter Landsbergen \* Judith Lautmann \* Barbara Lawson \* Daniel Lazare \* Wayland & Dottie Lee \* Max & Marsha Lovingood \* Jim & Virginia Lyons \* Jamis & Margaret MacNiven \* Ron & Ann Malouf \* Joseph & Sandra Martignetti, Jr. \* Nancy Mathews \* James & Peggy McClenahan \* Ted & Peggy McKee \* Molly Meschke \* Mr. & Mrs. Gordon Moore \* Janet Morse \* Motion Pro \* Carole Mullowney \* Jim & Bev Nelson \* Art Notthoff \* Ingram & Anita Olkin \* Charlie & Kim Pack \* George Patterson \* Judy Pell \* Girvin & Lesley Peters \* Clifford Planer \* Jeff & Emily Risberg \* Fran Rominger \* Ronald Ronconi \* Bernard & Shelley Ross \* Henry & Beverly Rowen \* See's Candies, Inc. \* Sidney & Beryl Self \* Charles & Christina Semba \* Lydia Sloan \* Todd & Cecelia Smith \* Jeffrey & Jeannese Snyder \* William & Nancy Spangler \* Jeffery & Linda Starr \* Peggy & Art Stauffer \* Nancy Steege \* Shirley Stewart \* Nelson Stone \* Robin Sutton \* Carl & Susan Thomsen \* Jim & Eileen Wall \* Channell & Jan Wasson \* Clay & Twila Woods \* Ellen Wyman \* Loren & Renee Young \* George Zimmerman \* Caroline Zlotnick

Thank you to the following for their general support of the museum:

Helen & Lea Christensen \* The Cvengros Family \* Rodney & Susan Davis \* Dave & Ruth Eakin \* Charlie & Roberta Gillis \* Harry & Terry Hanson \* Ken & Judy Kormanak \* Thomas Norton \* Doug & Shirley Pe arson \* Melvin Pincus \* Harry & Rita Quinn

Thank you to the following supporters of the 10<sup>th</sup> annual Vintage Vehicles and Family Festival.

VVFF General Donations: Irwin & Diane Abrams \* Paul & Peggy Averell \* Tom Baker \* William Barranco \* Charles & Laura Berthoud \* David Chappell \* Steve Dabrowski \* Manuel & Adele Fortes \* Leslie Hamilton \* Bob Jacobsen \* Peter Landsbergen \* Gary Martin \* John Motroni \* Dick Osgood \* Vinson Perry \* Tom & Betty Plemons \* Neal & Sharon Rayborn \* Hoag & Rosemary Schmele \* Dick Sidebottom \* Tony Smith

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Note: Donations received as of April 24, 2014

# Technical Education

Wendy Breu



## Looking Back

MOAH's small but dedicated education crew has had a very busy first half of 2014. Starting off the new year, Jim Wall, MOAH President and instructor, has been actively attending science fairs at several of our local schools: JLS Middle School, Jordan Middle School, and Nixon Elementary School. He brought along fun science activities to science fair attendees and helped spread the word about our museum.

We have held three workshops, Crystal Radio, Solid State Electronics, and Digital Logic, since February. Enrollment for all of them was all full to capacity.

Our Science Fun events continue to attract solid attendance. Bob Boschert (aka Mr. Science), Wes Anderson, and Jim staged two events, one on February 9 for the Lyceum group, and one on February 16 for the general public. It is a pleasant sight to see multi-generation families joining in the fun activities. We may have to rename this event "Family Science Fun." Many thanks to Wayland Lee for taking very lovely pictures for us.



Magdalena Fittoria, Principal of Barron Park Elementary School, invited Mr. Science and Wes to return and take part in the school's Annual Science Constellation on April 25, and in May, Larry Pizzella taught an intensive 8-session version of an Amateur Radio licensing class.

## MOOC @ MOAH

In June we launched an exciting new class offering, *Programming for Digital Media & Mobile Apps*. This course is a springboard for students to develop and apply programming skills to creative work. It uses the industry-leading Processing framework that is commonly used in high schools. This course teaches the technical skills needed to write software that makes use of images, audio, and graphics, and concentrates on the application of these skills to creative projects. Students

*continued on next page*

## Technical Education, continued from Page 6

can apply skills gained in this course to creative, mobile applications, digital music, and video games. The content of our class is based on a Coursera course created by the Faculty at the University of London. Coursera is one of the educational organizations that offer MOOCs (Massive Open Online Courses). Our class serves as an on-boarding ramp to that Coursera course at a level at which middle-school students and those with no programming background can participate.



Teaching this new class is our technology guru, Jeff Risberg. He has been creating and offering courses at MOAH since 2006. Jeff is an angel investor and technology leader in some of Silicon Valley's most interesting startups. After a successful career that included co-founding one of Palo Alto's largest enterprise software companies, he now supports a range of startups on a hands-on basis, as well as being the CEO of Squirrel Legend Games. He is supported by a number of early-career professionals and carefully-selected high school students, and over the past three years has trained and mentored over 15 such individuals and placed them into several major Silicon Valley companies. Members of his team will also be helping with this course.



One of the assistant teachers will be Andrew Huang, a student at Gunn High School, who has volunteered at MOAH since 2012. He has been developing applications on the Windows and OS X operating systems for the past few years, as well completing graphics and 3-D modeling projects using Photoshop and Blender.

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## From Our President, continued from Page 2

But was purchasing it the correct path for the museum to take? The monies in the museum endowment and the original Frank Livermore trust fund were donated and earmarked for the purpose of keeping the museum going. Would reinvesting half of the endowment as down-payment on a storage facility be consistent with this goal? Or would it put the future of the museum more at risk by reducing the funds available for our year-by-year operating costs? Perfectly valid arguments can be made for both cases. In the end it was decided that the purchase of the warehouse was both consistent with the intentions of the original endowment donors, and the best way to ensure the long-term survival of our museum.

The Museum of American Heritage is now the (proud? nervous? excited? how about just new?) owner of a warehouse at 1000 Varian Street in San Carlos. We will not be moving into it immediately, so you will have to wait for the open house party. The building's current tenant has one year to move out. This delay is quite welcome, as it allows us to negotiate the end of the lease on the warehouse we currently occupy as well as to plan for the move.

While this is an important milestone in the history of MOAH, it means that our ongoing income stream and expenses are now even more significant to our annual operation. So how can you help? We ask that you continue to support the museum as you have in the past. If you are interested in making a specific donation for the maintenance or improvement of our new warehouse, we have set up a special, restricted fund for that purpose. And when it is time to move from the old warehouse to the new one, we can always use more help. (*Remember how much fun you used to have helping friends move in the distant past? Here is the chance to relive it all again.*)

I think the Museum of American Heritage has made a great deal of progress in recent years, both in improving our presentation to the public (the exhibits, the website, the increased publicity) and in establishing that the museum will survive and continue to improve for decades to come. Each and every one of us plays an important part in the continued success of MOAH, and it is something that all of us should be proud of.

# At The Lectern



With degrees in engineering, computer science, and mathematical psychology, Don Norman has held positions at Harvard, the University of California, Apple Computer, Hewlett-Packard, and Northwestern University, has served on numerous private and government committees and boards, founded the Nielsen Norman Group, and is the recipient of various awards and honorary degrees. His academic background, combined with years of encounters with badly designed products, led him to ask, “What are the basic principles of good design?” His conclusions are memorialized in his book *The Design of Everyday Things*, the latest edition of which was published this past November. Just prior to that, Don gave a talk with the same title as the book at MOAH.

Observing that “one of the problems with the products we use is they’re designed by engineers,” Don spoke extensively about the questionable design of various features of airplanes, automobiles, and computers. He also demonstrated quirks in the design of simpler items, including salt and pepper shakers (which one holds the salt?), remote control devices (how do I turn the volume up?), and doors (do I push or pull?).

Don’s philosophy is, “You can’t design for yourself. You have to design for people.” And the basic principles of “user-centered design” are: affordance – an item’s property that enables the user to act in some way; signifiers – physical signs of what an item is/does; conceptual model – an overall view of the item and its function(s); Discoverability – the ability of the user to recognize what the item can do; Feedback – confirmation to the user of success or failure of an item’s operation. Don pointed out that, while poor design can be just an annoyance, making life a bit more miserable, poor design can, in some cases, cause accidents and death ... and that’s why we should care.



In addition to being MOAH’s current President and Chairman of the Board, Jim Wall performs volunteer duties that run the gamut from working in the warehouse to teaching classes. On February 12, he added “delivering lectures” to his list of MOAH credentials. Jim’s talk, *The Life and Inventions of Nikola Tesla*, addressed the inventor’s contributions to the field of electronics as well as the challenges that plagued his life and the myths and questions that surround his memory. Quoting a blog at [skeptoid.com](http://skeptoid.com), Jim began with the assertion that, “devotees of conspiracy theories and alternative science hypotheses have hijacked his name more than that of any other figure.”

Born in Croatia, Tesla emigrated to America in 1884 at the age of 28 and was hired immediately by Thomas Edison. There are conflicting stories as to why he left Edison but, in any case, Tesla soon established his first company and obtained patents focused on improved arc lighting. Over time, Tesla and Edison became what Jim refers to as “respected adversaries.” For many years, Tesla championed the generation and transmission of AC power. In 1888, when standards had not yet been established for power distribution, the “War of the Currents” raged, with General Electric and Edison on the side of DC, and Westinghouse and Tesla on the side of AC. In that year, both Tesla and Galileo Ferrari independently and virtually simultaneously demonstrated working, efficient AC induction motors, and, in the period 1888-1891, Tesla filed 28 critical patents on AC motor design. By 1892, General Electric had conceded and was investing heavily in AC.

Despite his brilliance, by 1916, Tesla was both bankrupt and struggling with severe mental illness. In his later years, while he continued to put forth many ideas and to obtain patents in such areas as turbine design, Tesla’s mental problems continued. He died penniless in 1943. Many of the legends that surround his life have little evidence to support them other than Tesla’s own words. Nevertheless, he left a legacy of 112 patents, key inventions in many areas, and an amazing array of extraordinary ideas.

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## At The Lectern, continued from Page 8



In 2008, U.S. Geological Survey (USGS) Emeritus Scientist Keith Kvenvolden received a Lifetime Achievement Award at the 6th International Conference on Gas Hydrates. On March 6, 2014, MOAH volunteer Keith Kvenvolden explained what gas hydrates are to those attending his lecture, *Methane – It’s a Gas in Gaia’s Breath*.

Displaying an image of Gaia, Greek goddess of the earth, exhaling methane gas, Keith explained that a small amount (1.8 parts per million) of methane (CH<sub>4</sub>) is present in our atmosphere and went on to describe three categories of methane sources.

The first category, natural sources, includes wetlands, which produce 125 Tg (teragrams) of methane per year, termites (20 Tg), our oceans (10 Tg), and freshwaters (5 Tg). The second, anthropogenic sources, includes biomass burning (40 Tg), rice agriculture (100 Tg), ruminants (115 Tg), and landfill and waste (55 Tg). The third category includes energy sources (petroleum at 70 Tg and coal at 40 Tg) and gas hydrate, which he estimates at 10 Tg. The energy sources include macro- and micro-seeps of natural gas, mud volcanoes, magmatic volcanoes, geothermal areas, and mid-ocean ridges.

Gas hydrates are naturally occurring, crystalline substances composed of gas molecules trapped in a cage-like ice structure. The sources of methane listed above vary in terms of the amount of control we can exert over them.

Keith concluded with a discussion of the implications of methane (which is a “greenhouse gas”) regarding global climate change as well as the future of natural gas, which he described as “murky.”



Steve Player knows from personal experience that, “Television is a big thing in your life when you grow up in the family of the man who invented TV.” On March 14, Steve spoke to a MOAH audience about his uncle in *Philo T. Farnsworth: Father of Modern Electronic Television*.

Born in 1906 in Indian Creek, Utah, Philo was the eldest of five children in a family that moved constantly from city to city. In 1919 he moved in with relatives in Rigby, Idaho; finding lots of technical magazines in the attic sparked his interest, and his design of an electronic lock won him \$25 in a magazine contest. By the time he was in high school, Philo was contemplating the idea of electronic television and was encouraged by his science teacher, Justin Tolman, who became an important mentor.

Philo’s family returned to Utah in 1922 and, after one year at Brigham Young University, he was forced to leave school in order to support his family following the death of his father. After his radio repair business failed, San Francisco philanthropists Leslie Gorrell and George Everson provided funding for Philo to set up a laboratory in Los Angeles to pursue research on developing an electronic television system. He eventually received additional backing from Crocker Bank.

Over his lifetime, Philo was granted about 300 patents, more than half of which related to television, including his patent for an “image dissector,” which he demonstrated in 1927. Other patents he held were in such areas as radar, infrared night vision, gastroscopy, and incubation for babies. In the later years of his life, the majority of his work was dedicated to nuclear fusion.

Asked what his uncle saw as the primary use of television, Steve said it was education rather than entertainment, adding, “Howdy Doody wasn’t high on his list of things he wanted to see on television.”

# In Memoriam

MOAH recently lost three of its valued friends and volunteers. Those of us who knew them extend our deepest sympathies to their families.

## **Bob Beck 1924 - 2014**

Bob Beck got involved with MOAH in the early 1990s after he retired from Kodak. When Kodak was closing its Page Mill Road processing plant and was looking for a place to donate the cameras that had been donated over the years, Bob suggested that MOAH would be a good fit for the collection, which came to MOAH in February 1992. Bob went on to curate an exhibit of cameras for the museum and eventually became volunteer Executive Director. Bob was instrumental in getting MOAH the lease for its present location at the Williams House in Palo Alto, and he played a major role in the campaign to raise funds for us to renovate the property. Bob served as Chairman of the Board and later was a member of our Community Advisory Board as well and a member of our Acquisitions, Loans and Exhibits committee, working at our warehouse, establishing our accessions standards, and helping to accession some 5000 artifacts.

MOAH is fortunate to have had such a wonderful, kind, and knowledgeable friend. He will certainly be missed.

## **Tom Wyman 1928 - 2014**

Tom Wyman grew up in Palo Alto and returned to Palo Alto in 1964 with his wife, son, and daughter. He was involved in many local civic issues, but was mainly associated with the city's libraries. He volunteered with various organizations, including the Palo Alto Library Advisory Commission (first chair), Palo Alto Historical Association (past president), Palo Alto History Museum board member, Friends of the Palo Alto Library, Palo Alto Comprehensive Plan Advisory Committee, and Associates of the School of Earth Sciences of Stanford University (past president).

Tom was also a friend of MOAH's founder and became a volunteer and supporter of the museum. In addition to loaning MOAH meteorites for its *Cabinet of Curiosities* exhibit and his vast collection of slide rules for several exhibits, Tom was an avid supporter of MOAH's signature fund-raising event, Vintage Vehicles and Family Festival. Tom also served on MOAH's Community Advisory Board for many years.

## **Caryl Moerdyke 1919 - 2014**

Caryl Moerdyke was the wife of MOAH cofounder N. Perry Moerdyke and the mother of current Board of Directors member Carl B. Moerdyke.

Caryl served MOAH as a devoted volunteer, cheerfully performing any task that was asked of her. She handled all of the museum's membership mailings from 1991 until 2007 and served as a weekly docent on Sundays until about 2009. She was a regular volunteer at lectures and other functions, checking attendees against the MOAH membership list. She decorated our Christmas tree with her vintage heirloom ornaments until about 2005.

With her "glass half full" attitude, Caryl helped MOAH get established in the community and will be fondly remembered.

## **Volunteer Opportunities For 2014**

If you are interested in becoming a MOAH volunteer, we encourage you to come and visit the museum to see where your skills can help make a difference. MOAH currently has opportunities working with our exhibits, education, events, garden, and collections committees. For more information, please contact us at [mail@moah.org](mailto:mail@moah.org).

# Membership Report

## MOAH Welcomes Its New, Upgrading, And Returning Members!

### New Members:

#### Individual

Howard Baldwin  
Cui Fanliang  
Andrew Fukuba  
Barry Goldblatt  
Chris Irvine  
Lucile Spurlock  
Ann G. Vollmer  
Barb Weaver

#### Family

George & Sophia Fonti  
Judith Huang  
Diane & Todd Nemet  
Oshra Sedan

Marjan Shariat

Maureen Sirhall  
Sturtevant Family

#### Sustaining

Virginia Bachrach  
Mr. & Mrs. S. E. Buttrill, Jr.  
Betsy & David Fryberger  
Peter Hertzmann  
Todd Koumrian  
Marc & Nadia Ullman

#### Sponsor

Mr. & Mrs. J. Boyce Nute

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Mrs. Shirley Ely

### Upgrading Members:

#### Supporting

Leonard J. Shustek

### Returning Members

#### Individual

Victor Befera  
Husna Hashmi  
James H. Ross

#### Family

Ronald L. Murphy  
Steven Silva

## MOAH gratefully acknowledges its sponsors:

The Moore Family Foundation \* Hassett Hardware \* The Frank Livermore Trust



### How to Join and Get MOAH for your Money!

Museum members receive this newsletter; attend lectures free of charge; receive a discount on workshops and special events; and are invited to special members-only receptions for each exhibit.

- Livermore Circle ..... \$ 5000
- Patron ..... \$ 1000
- Sponsoring ..... \$ 500
- Supporting ..... \$ 250
- Sustaining ..... \$ 100
- Family ..... \$ 50
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## MOAH EXHIBITS, CLASSES, EVENTS

**Exhibits: Friday - Sunday, 11:00 AM - 4:00 PM (Group tours available at minimal fee)**

***Time Machines: Clocks & Timekeeping***

Now through September 14, 2014, in the Main Gallery

***Museum of American Heritage A to Z***

Opens October 10, 2014, in the Main Gallery

***LEGO® Holiday Exhibit***

Opens December 12, 2014, in the Learning Center

**Events:**

**Lecture: *The Invention and Development of the Telescope***

Speaker: Dr. Kenneth Lum

Wednesday, July 23, 2014, 7:00PM

Learning Center

**Lecture: *An Inside Look into the World of Guitar Construction***

Speaker: Gary Lee

Wednesday, August 13, 2014, 7:00PM

Learning Center

***Holiday Party and LEGO® Exhibit Preview***

Sunday, December 7, 2014

Members Only

**Permanent Exhibits**

**General Store**

**Kitchen**

**Print Shop**

**Gardens**

**Marshall Mathews Garage**

**Dr. Williams' Office**

**Ely Family Children's Room**