

September - December 2006
Number 58

*Creating innovators of the future
through inventions of the past*

MOAH 2006 Summer Camp!



The 3rd annual MOAH Math and Science Summer Camp was a blast! Excited campers designed, programmed and raced LEGO® robots, learned about DNA and genetics, built a theremin, learned about video production, explored crime scene investigation and discovered some things about electromagnetism, optics and lots more. Over 20 volunteers and guest presenters combined forces to make the camp truly memorable. Wow ... what a week!

Our thanks to all who helped make this year's camp possible. To our wonderful Volunteer Instructors, Bob Boschert, Wes Anderson, Hermann Ebenhoch, Bob Katzive and Dor Hasselgrave: You designed and delivered brand new materials and projects for our campers. According to the survey results, the campers just loved building their projects. Thanks a million! To our stellar cast of Presenters, Detective Jason Jenkins, Dr. Richard Myers, Chris Melançon, and Sam Vandervelde: We were so very fortunate to have you be part of our camp. Despite your respective busy schedules, you all found time to share your expertise with our campers. Many, many thanks! To our Camp Assistants, Dick

Boschert, Richard Allen, Denise Gillen, Ana Choze Griggs, Sean Quirk and Lorenz Breu: Without your patience and help, the campers would have had a harder time completing their challenging lab projects. Thank you for chaperoning and lunch-time supervising. It took a mini-village to keep our active campers in line. And last but not least, kudos to Kenneth Kormanak for arranging the special presentation from Applied BioSystems; to Laurie Cvengros and Gwenyth Cloughton for working tirelessly behind the scenes before and during camp; to John Pease and Larry Pizzella for helping to prepare all the various parts (from the PC boards to wires and LEDs) for the flashlight/magnet shaker project.

Inside This Issue

President's Message.....	2
Executive Director's Message.....	3
Spotlight On Sponsorship.....	3
Current Exhibit - <i>Sailing Through History</i>	4
Collections Corner - <i>You're My Type</i>	4
At The Lectern.....	5
A Word About MOAHMoney.....	5
Education Department.....	6 - 7
MOAH Shop News.....	7
Volunteer Spotlight.....	8
Volunteer Appreciation Lunch.....	9
MOAH Thanks.....	9
Volunteer Opportunities.....	10
Membership Update.....	10
Next Exhibit - <i>Timeless Toys</i>	11
Exhibits, Events, Classes.....	12

From Our President

Robert H. Katzive



On becoming well endowed

Dos: Dotarium: Dotis: Dot: Douaire:
Dower: Dowery:

Beginning with ancient Latin and continuing through Medieval Latin and Old French to more modern times, this is the evolution of the word that means “a giving.” “Endowment,” of course, is the result of “a giving.” From ancient times, these words have all had the connotation of a financial gift offered to promote the long-term well being and welfare of the receiver. (“Dos” exists today as “dose,” a different category of giving.)

Endowments are of considerable consequence to MOAH, representing invested capital funds whose annual interest generates funds that help support the Museum. Endowment principal is permanently invested; only the interest earned can be used for operating expenses.

MOAH benefits from two endowment funds at present, a general endowment and the Ruth Bell Lane Memorial Garden Fund, which generates funds for the upkeep and maintenance of the Ruth Bell Lane Garden at the Williams House. While both of these endowments are currently of moderate size, expanding the endowments is a major objective for MOAH, because the endowments generate operating income on an ongoing basis: Every \$100 in the endowments produces about \$5 of additional revenue every year. An endowment-directed gift to MOAH is one that will provide support for years to come.

The endowments can be expanded through cash gifts, gifts of appreciated securities or other property, or bequests from an estate. Such gifts usually have tax benefits for donors (work with your own financial advisors to determine what works best for you) as well as providing long-term support and stability for the Museum. Administered by the Community Fund of Silicon Valley (which also can set up charitable gift trusts benefiting the Museum), these endowments are a great way to further and sustain MOAH as an educational and cultural asset for the Mid-Peninsula community.

Contact Executive Director Gwenth Cloughton to arrange your gift to either or both of the MOAH endowment funds.

Dos: Dotarium: Dotis: Dot: Douaire: Dower: Dowery: Endowment: Dough!

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Frank Livermore 1919-2000

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From The Executive Director

Gwenyth Claughton



“You make a living by what you get, but you make a life by what you give.”

Recently I came across this quote by Winston Churchill and it made me think about how rich a life the Williams House and the Museum of American Heritage enjoy today thanks to the incredible dedication of the volunteers who care for them.

In the five months I have been Director of the Museum, I continue to be amazed by the enthusiasm, youthful vitality and intellectual curiosity of MOAH Volunteers and Friends. I have had a wonderful time getting to know members of our volunteer team and learning more about what motivates them to contribute their time and energy to MOAH. When asking the question, “Why do you volunteer at MOAH?,” I have received answers as diverse as: “I want to help keep Frank Livermore’s dream alive,” “working with young people helps keep me youthful,” and the more humorous retort, “volunteering keeps me off the streets.” Every response has expressed a conviction to give of yourselves to realize our mission of inspiring future innovators through inventions of the past.

Each year MOAH Volunteers contribute in excess of 20,000 hours in all facets of museum operations. While we believe your efforts are priceless, the federal government has come up with a calculation to assess the value of what volunteers give to MOAH. Based on 2005 values, volunteer hours represented \$374,800 of in-kind revenue last year, and a staggering \$5,922,000 over the lifetime of the Museum. For an organization of our size, this is an astounding contribution. The Museum could not function were it not for the commitment of all of you who give so much of your time, energy and conviction.

A sincere thanks to all of you who help keep the history and dreams of our founders alive through your volunteerism. Your enthusiasm, sense of fun and genuine interest in our visitors, students and supporters makes working with you a real joy for both Laurie and myself.

As a Greek Proverb states, “A civilization flourishes when people plant trees under which they will never sit.” How fortunate we are to have the Williams family and Frank Livermore gift us with our amazing organization, and how blessed we are to have volunteers who keep their values and ideals alive.

Spotlight on Sponsorship

The Frank Livermore Trust

The Museum of American Heritage exists today because of the vision and passion of one man, Frank Livermore. Frank started the museum to realize his dream of creating a museum where early mechanical and electrical inventions could be exhibited and enjoyed. Even though Frank passed away in 2000, his legacy continues through the support of the Frank Livermore Trust.

The Frank Livermore Trust was set up by Frank to support those organizations dearest to his heart, namely the Museum of American Heritage and the Boy Scouts of America. The Trust continues to be administered by Frank’s friends and colleagues, who honor Frank’s memory by continuing to support these causes.

To date, the Trust has provided 71 four-year college scholarships to Eagle Scout, Quartermaster and Venturing (Silver Award) recipients from the Stanford District of the Pacific Skyline Council, BSA. At MOAH, it funds the storage, care and maintenance of the Museum’s 3,400+ artifact collection of early mechanical and electrical devices. So that this collection may be enjoyed by the public, the Trust also supports exhibit development costs and gallery supervision.



Pictured here from left to right are Trustees Carl Moerdyke, Jim Todd, Jeff Pickett, Roger Broussal and Charlie Gillis.

MOAH is truly fortunate to have a founder and benefactor who envisioned a museum where curiosity, innovation and invention are at the heart of all we do. When a visiting child shouts “cool” after building a crystal radio, or is amazed by how a vintage toaster or typewriter works, we know that Frank’s dream is staying alive.

Current Exhibit - *Sailing Through History*

June 9 – September 24, 2006

Theodora Nelson

The Ships will Sail Away Soon

There's still time to see MOAH's *Sailing Through History* exhibit, but only a few short weeks.

Most of the two dozen beautifully-crafted ship models in the exhibit were built by members of the South Bay Model Shipwrights. The models range, historically, from a Bronze Age ship found near Ferriby, England, to the 1907 San Francisco Bay steam tugboat *Hercules*.



The exhibit includes:

- § Two ships for which SBMS President Jean Eckert won medals in competitions
- § The ship that was the founding ship of the Hudson's Bay Company in 1667
- § A scow schooner that plied the waters of the San Francisco Bay around the turn of the 20th century
- § The Swedish ship that sank inside Stockholm Harbor on her maiden voyage
- § Henry Hudson's *Half Moon*, from which he was set adrift by a mutinous crew and never seen again

Don't miss the beautiful examples of scrimshaw and other bits of sailors' art that they created during long stretches of inactivity at sea. Want to know how to build a ship in a bottle? You'll find out here!

In the Children's Room, youngsters can see a model of the *Constitution* and many folk-art boats, learn to tie knots and try on sailor's and pirate's hats. They can even stand at a ship's wheel and pretend to be off on the high seas!

Sailing Through History closes September 24, 2006.



Typewriters transformed the art of written communication and the world of business. From the 1800s until the advent of word processing, typewriters generated the bulk of the world's formal documentation.

Currently on display in our Collections Corner is a collection of classic and unique typewriters created to deal with the unusual: music, Asian languages, Braille and other special formats. Some will seem familiar, while others have unusual keyboard layouts and mechanisms.

Also check out the Linotype typesetter in our Print Shop ... another example of a specialized typewriter.

At The Lectern

Judith Lautmann

Over the past few months, MOAH members and guests have had the pleasure of attending several intriguing lectures inspired by our nautical exhibits.

Dr. Fabio Lopez-Lazaro, Assistant Professor of History at Santa Clara University, captivated his audience on March 15 with his multimedia presentation, "*X Marks the Spot: Pirates, Map Making and Map Stealing.*" Since information was the sine qua non of successful piracy, maps were of great importance to seafaring criminals and were therefore hard to come by. Dr. Lopez-Lazaro stepped us through the history of maps plus the techniques, feats and fate of various brigands of the deep.



On May 24, aerospace engineer Jack Rodden's presentation on "*Navigation: Astrolabe to GPS*" introduced his audience to the gamut of methods and tools used by sailors over the years to determine time, location and direction, from piloting and dead reckoning through electronics. The astrolabe, first developed by nomadic arabs between the 4th and 6th centuries, can locate stars and the sun as well as determine the time of day and time of year.

Marine artist Jim Campbell displayed both nautical artifacts and a selection of his work during his presentation, "*From Harbor Lights to Tall Ships.*" A self-trained artist who used to draw down at Fisherman's Wharf in his youth, Mr. Campbell specializes in pen-and-ink drawings of ships, many done on nautical maps. A selection of notecards by Mr. Campbell is currently available at the Museum store.

Among Edward Von der Porten's many titles are marine historian, nautical archeologist, educator and writer. On July 13, his MOAH audience heard the fascinating story of "*The Manila Galleon,*" a ship whose wreckage was discovered recently on an unnamed beach "somewhere south of San Diego." Bits and pieces of Chinese pottery enabled Mr. Von der Porten and a team of experts to date the ship to the 1570s and ultimately led to its identification as the San Felipe.

For information on upcoming lectures, please see the calendar of events on the back cover of this publication, check our web page at www.moah.org, or call us at 650.321.1004.

A Word About "MOAHMoney" (From Our Treasurer)

Charlie Pack



We have come a long way since our financial crisis in 2004. Our operating fund balance has increased from almost nothing to around \$66,000 as of the end of May. If we can meet our budget for this year, this should increase further to around \$95,000, thanks largely to a \$25,000 challenge grant from the Moore Family Foundation. We have substantially more than qualified for this grant already. At the top of my list of things to do is to open an interest-bearing cash reserve account for this money. This has just been approved at our most recent Board of Directors meeting.

It is most important to maintain ample cash reserve. One reason is that our income and expense streams do not match. Much of our income from donations and memberships comes in around the end of the year, as people tend to wait until then to assess their financial and tax situations. Yet our expenses are ongoing, so we often run at a deficit during the spring and summer months, unless we have a successful fundraiser (such as Vintage Vehicles). Another reason is that personal spending habits are affected by perceptions about the economy. For example, if we hear on the TV news the economy is getting worse, we tend to spend less. Or, if people have done big spending on their credit cards over the holidays, they may rein in the spending later to reduce debt and interest expense. Contributions often suffer when this happens! Still another reason for having substantial cash reserve is to cover emergencies such as unforeseen building maintenance. What if we need a new roof? I don't mean to be negative, but the fact is an ample cash reserve is needed to carry us through all of these contingencies. The good news is we are slowly getting there!

I hope to make this a regular column in which to keep all of our members apprised of MOAH's financial status in a non-technical way.

Education Department

Wendy Breu



Recent MOAH Outreach

At the invitation of Dr. Suzanne Scott, Principal of Hoover Elementary School, Palo Alto, Dor Hesselgrave, Bob Bobschert and I returned to the school and conducted a Noon Science program to students in grades 1 to 5. During lunch time on April 27 and 28, students dropped in the school's multipurpose room to hear Dor tell entertaining stories about early scientists, such as Benjamin Franklin, who experimented with electricity. The students just could not get enough of the hands-on activities we brought along. They enjoyed collecting electric charges using the Leydon Jars and had fun getting their hair all charged up via the Van de Graaf Generator!

On May 5, MOAH received two classes of 4th graders from Monta Loma School, Mountain View. They came to attend a Science Sampler on "electricity and electromagnetism" conducted by Dor. Then, Bob Katzive gave the students an informative tour of our last exhibit, *The Art & Evolution of Navigation*. The students did not want to leave at the end of their visit. Both teachers and parent chaperones exclaimed that it was the first time they had a class that lingered and refused to leave after a field trip!

Family Math Day

This year, we held a Family Math Day on May 13, the day before Mother's Day. What a nice way to bring children and parents together to analyze and solve puzzles and problems. This event's facilitator, Rita Wespi, brought along an array of math games such as Hex, Count-down, Traffic Jam and Balance Beams; puzzles such as Coin Puzzle, Chinese Brain Twisters and Pentominoe Chain Letters.

MOAH's Family Math Day has become a perennial favorite among members of our communities. All who visited gave positive comments. Both children and parents really appreciated the opportunity to cooperatively play fun games or solve problems that required mathematical reasoning.

This event was made possible by a generous grant from Mid Peninsula Bank in Palo Alto, which has enabled MOAH to host the recent two Family Math Days free to the public.

News on New Classes

Our "Get MOAH Classes" flyer is about to be updated again as we have added three new workshops.

1. Telephony: Dor Hesselgrave taught a pilot 4-session class in May to a group of enthusiastic home-schooled students. Dor took the students through a journey of "telecommunications lane." Students learned how the communications systems grew: from a hand-cranked ringer device to a hand-held camera phone. As a take-home project, each student built a working wired telephone for use on the public line.

2. How to be an Internet Super-searcher: This one-day workshop is led by Dan Russell, a former Stanford professor, now a Senior Research Scientist at Google. Students get hands-on tips from Dan, an Internet guru, on how to effectively use the Internet for searching and as resources for school work and everyday use. The pilot class on May 20 was filled to capacity. Both middle school-aged students and adults were in attendance. This class is suitable for anyone to take, from a serious researcher to an occasional seeker of information via the net. I highly recommend it to everyone!

3. Designing for Superheroes: This new workshop's instructor, Jeff Risberg, came to us by way of the Stanford Alumni Consulting Team (ACT), the group which helped MOAH by "analyzing our Museum and its role in the community" (Katzive, MOAH Update, #54, March - June, 2005). This product design class has been in the making since last year, and we are glad to finally launch it in July. Students will learn about "why things look the way they do" and that historic design concepts still influence designs in today's world.

See *Education Department*, Page 7

MOAH UPDATE

Education Department, *continued from Page 6*

MOAH 2006 Summer Camp Diary

Mon. 6/26 – Twenty campers kicked off the first day of camp by each building a Theremin, an electronic musical instrument that does not require physical contact to generate sounds. Bob Bobschert did a fantastic job in designing the technical content and the Theremin kit. By early afternoon, campers switched gears and explored the properties of light under the guidance of Hermann Ebenhoech. Working in groups, campers built simple light benches, which then were used to determine the focal lengths of various lenses.

Tuesday, 6/27 – Half of the campers attended a day-course on Video Production. Bob Katzive took charge and had campers build and program Tank-bots (using LEGO® Robotics) for racing by the afternoon. Campers had a hard time tearing themselves away at pick-up time.

Wed. 6/28 – The group that was at Media Center returned to MOAH for a day of LEGO® Robotics. All reported that they had fun learning about video production, but they sure preferred programming their robot cars and racing them up and down the ramp by day's end.

Thurs. 6/29 - In the morning, Detective Jason Jenkins, City of Palo Alto Police Department, gave a lively talk on prints and contact DNA. He also showed video clips from the TV series CSI and discussed some of the unrealistic aspects and short cuts the show takes. Then, Dr. Richard Myers, Director of Stanford Human Genome Center, gave an engaging talk on the Human Genome Project. Afterwards, following Dr. Myers' directions, each camper extracted the DNA of strawberries. After lunch, Sam Vandervelde started the Math unit by asking campers to solve some tiling problems. This led to more problem solving discussions. One of the activities campers really enjoyed was the Bulls-Eye Tic Tac Toe Tournament, a game of Tic Tac Toe with multiple twists.

Fri. 6/30 We wound up the unit on biosciences with an eye-opening presentation from Chris Melançon, Director, BioSecurity Business, Applied BioSystems. Chris focused his talk on RNA and its relationship with DNA. Campers learned that H5N1 (aka Avian Flu) is an RNA virus and how scientists at his company used DNA technology to help develop virus detection kits and an "air sniffing" machine to detect anthrax spores. After Chris, Wes Anderson gave a mini-lecture on electromagnetism. Campers got to each make a flashy (with colorful LEDs) magnet shaker that doubled up as a flashlight. The highlight of this afternoon was when Sam discussed 3-D geometry and hypercubes. The campers' imagination took off when they got to design and build various geometric constructions.

As always, to get the most up-to-date information on education classes and special events, please check our web page at www.moah.org/education.

MOAH Shop News



Now presenting notecards by Jim Cambell
* Featuring pen-and-ink drawings by the noted maritime artist
* Available individually and in sets of eight

*****MOAH members receive a 10% discount on all regularly priced items***
Gift certificates available**

Ernie Faxon, MOAH Shop Director

Volunteer Spotlight

John Shaw

Roger Broussal



A paraphrased quote from Roger Broussal: “There are no new inventions, only variations on a theme.” But then there is Roger Broussal, and

he is one of a kind, whether he acknowledges it or not.

Mr. Broussal is a native-born San Franciscan who, as a young boy, sought an early introduction to the art world by attending classes at the Fine Arts Museums of San Francisco. His appreciation of art eventually led to an administrative position at the Legion of Honor, the de Young and the Asian Art Museums. His interest in art restoration and conservation then led him to the title of conservator at the de Young-Asian Art Museum. The museum’s Brundage collection was in fine hands.

Roger taught a class in materials and technique at the San Francisco Art Institute that included mosaics and egg tempera painting; students learned to prepare the painting surface and pigments.

Roger is steeped in the knowledge of art, art museums, and how to preserve them. MOAH has been a direct benefactor of his skills since its inception when the museum was only a small, mobile collection that traveled by van to various local destinations for viewing. He served on the board of directors but his more comfortable surroundings are MOAH’s warehouses, where he can be seen preparing the museum’s artifacts and art treasures for public viewing. He enjoys the flexibility of a start-up museum where exhibits are in constant flux, as opposed to older, established museums where the exhibits tend to wear out their welcome and personnel/volunteers are most likely placed in specialized, pigeon-holed positions. He sees a bright future for MOAH, and it’s a safe bet that Roger Broussal will never wear out his welcome here.

Judy Pell



When young Judy Pell was building her first crystal radio out of a Quaker Oats Box in Elyria, Ohio, she didn’t have a clue that she would some-day witness

children building those same radios at the Williams House in Palo Alto, CA, many years later, nor did she know that Dora Williams got her start in life in Elyria, Ohio.

Judy is one of MOAH’S earliest volunteers, partly due to her husband’s need to get a better look at some model trains that MOAH had on display. It was a cold evening many years ago, after Beverly Nelson had closed the museum for the night, when she heard a persistent rapping on the door. That rapper was Judy. She and her husband Jim found themselves welcomed to MOAH and have remained welcomed ever since.

Judy pursues her steadfast goals as “Director of Volunteers,” arranging group tours, sponsoring volunteer luncheons, greeting museum visitors and being available every Sunday to answer any questions about the exhibits. She has spread the word of MOAH’S existence by going to every school in Palo Alto and letting students know of a cool, local place to hang out. She’s MOAH’s Ambassador.

Her other activities are teaching 6th grade math and science, managing two bridge clubs, reading four daily newspapers, walking four miles each day, golf and writing letters by hand, an almost atrophied art. One MOAH volunteer recently said, “If you have a gem, give it its own space, uncluttered by other artifacts.” Judy Pell is truly a gem who will always stand out ... no matter how crowded the room. Thank you, Judy, for all your years of dedicated and spirited service.

Volunteer Appreciation Lunch

Judith Lautmann

On May 16, volunteers and staff gathered at the Elizabeth F. Gamble Garden Center in Palo Alto for MOAH's annual Volunteer Appreciation Lunch.



President Bob Katzive and Executive Director Gwenyth Cloughton thanked Judy Pell for once again coordinating the luncheon and thanked all of the Museum's volunteers for making MOAH a "vital part of the community." After Gwenyth commented on "our amazing level of energy, commitment and volunteer retention," Judy acknowledged Charlie Gillis, Roger Broussal and Bev Nelson for their longevity as Museum volunteers.

To conclude the festivities, Judy conducted a "nostalgia quiz" with Marie Callender apple pies going to those with the correct answers.

Wish List

- Upgraded phone system
- Donated or heavily discounted warehouse space
- Pallet shelving for warehouse
- Small greenhouse
- Electric hedge clippers
- Patio table & chairs
- And, for our centennial celebration
- * Items used in daily life in the early 20th century
- * Early 20th century medical equipment
- * Information about the Williams family

MOAH thanks.....

Museum Sponsors for 2006

Frank Livermore Trust * Moore Family Foundation

Exhibits & Lectures

Members of the South Bay Model Shipwrights * Fabio Lopez-Lazaro * Jack Rodden * Jim Campbell * Edward Von der Porten

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Moore Matching Fund/Board Challenge/General Donations/Education Expansion

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Volunteer Opportunities

Gallery Assistants

Greet the public and answer questions regarding exhibits and Williams house and gardens. Possibly assist in Museum gift shop. Time Requirements: Variable, at least one 2.5-3 hour shift per month.

Garden Volunteers

Work in historic garden, under direction of professional volunteers, on Thursday mornings, planting, trimming and doing clean-up. Experience not required, but some garden knowledge can be helpful.

Education Instructors

Assist Education Director, responsible for presenting classes to groups of children or adults. See the "Education" section for typical class descriptions. Time Requirements: Variable. Most classes are a minimum of 2-3 hours, once a week for 2-4 weeks, Saturdays or Sundays. Additional class preparation time.

Education Assistants

Assist Education Instructors in presenting classes to groups of children or adults. See the "Education" section for typical class descriptions. Technical skills not required, but helpful. Time Requirements: Variable. Most classes are a minimum of 2-3 hours, once a week for 2-4 weeks, Saturdays or Sundays.

Exhibits Chair/Co-chair

Work with a quality team to coordinate the planning and execution of Museum exhibits. Oversee the setting up and taking down of three exhibits/year, including the building of props and displays and the installation of artifacts. Must enjoy working with people.

Publicity/PR Assistant(s)

Assist the Publicity/PR Chair in creating and distributing materials (press releases, graphics, photos, videos, presentations), maintaining good media relations, maintaining PR archives, covering Museum events and activities. Requires strong writing and organization skills. Time requirements: Variable but averages two hours per week.

eBay® Seller

Coordinate the sale on eBay® of items the Museum has qualified for disposal. Duties include writing descriptive text, submitting material to eBay®, responding to potential buyer questions and handling all aspects of transactions. Requires extensive eBay® selling experience. Time requirements: Variable, depending on number of articles identified for sale.

To learn more about any of these opportunities, contact us at mail@moah.org or by phone at 650.321.1004.

Welcome, New Members!

Catherine M. Bonwick
Stuart W. Bowen
Victor Buhrke
Yu-Pei Chang
Sui-Ling & Charles Cheng
Andre Jia
Lee Kaiser & Family
Mythily Kumar
Phillip Masterson
Donna O. Maytham
Kathryn B. McGowan
Roberta & John Moran
Ruchita Parat
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Sheena Vaidyanathan
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Edward Von der Porten
Gloria Yuan

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Thanks to renewing members who have upgraded their memberships

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Sustaining

Tom MacFadyen
Marge & Jim Shively

In Memorium

Earl F. Schmidt

Next Exhibit – *Timeless Toys*

October 6, 2006 - January 28, 2007

Theodora Nelson

Child's Play

Did you ever wonder who designed the Flexible Flyer and made sledding a safer sport? How the Slinky came into being? Where the idea for Play-Doh came from?



MOAH's holiday season exhibit, *Timeless Toys*, tells the story behind childhood icons such as roller skates, the Frisbee, Tinkertoys and Etch-a-Sketch. In some instances, months or years of work went into the design and engineering of the end result. In others,



someone saw a creative new use for an already-existing product.

Some enduring toys originated in ancient times. Some were invented in the 20th century. No matter when they appeared, however, classic toys share a few common characteristics. They are fun, stimulate the imagination, provide a learning experience, and/or present a challenge. Everyone in the family will enjoy this eclectic collection of playthings that have delighted children throughout many decades. You'll see some of your own childhood favorites, and learn about the inventors and the design process. Of course, you'll even be able to play with some of the irresistible toys.



How to Join and Get MOAH for your Money!

Museum members receive this newsletter; attend lectures free of charge; receive a discount on youth workshops, special events and gift shop purchases; and are invited to special members-only receptions for each exhibit. Circle Members also receive tours of private collections and are invited to an annual reception.

- President's Circle \$ 5000
- Director's Circle \$ 2500
- Benefactors' Circle \$ 1000
(Annually for five years)
- Patron \$ 1000
- Sponsoring \$ 500
- Supporting \$ 300
- Sustaining \$ 100
- Family \$ 50
- Individual \$ 35

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For more information:
 Phone: **650.321.1004**
 E-mail: **mail@moah.org**
 Website: **www.moah.org**

Remit to: **Museum of American Heritage, P. O. Box 1731, Palo Alto, CA 94302-1731**

MOAH EXHIBITS, CLASSES, EVENTS

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

Sailing Through History

Now through September 24, 2006

Timeless Toys

October 6, 2006 - January 28, 2007

You're My Type

Now through December, 2006

Holiday Train Exhibit

Garden Gauge: November 18 - December 10, 2006

LEGO: December 15, 2006 - January 14, 2007

Events & Lectures:

Lecture: "What Do You Do With a Drunken Sailor?"

Speaker: Dr. Fabio Lopez-Lazaro

Thursday, September 21, 2006, 7:30 PM

Frank Livermore Learning Center

Members Reception for Timeless Toys

Thursday, October 12, 2006, 5:00 - 7:00 PM

Frank Livermore Learning Center

Lecture: "The Aerodynamics of Flying Toys"

Speaker: Alan Adler

Thursday, October 26, 2006, 7:30 PM

Frank Livermore Learning Center

Classes:

Fall Class Schedule

Basic Electric Circuits

Sat. 9/9, 16, 23, 30 (10:00 AM - Noon)

Instructor: Dor Hesselgrave

Magnetism and Electromagnetism

Sat. 10/14, 21, 28, 11/4 (10:00 AM - Noon)

Instructor: John Pease, Principal Electrical Engineer, Onetta, Inc.

**Permanent Exhibits of
the Early 20th Century**

General Store

Kitchen

Print Shop

Williams Gardens

Smith's Shop Machine

Collections Corner (typewriters)

Laundry Area (tinware)

Lab (pink Depression Glass)

Recent Acquisitions

Mini-MOAHs (Offsite Exhibits)

Channing House

850 Webster St., Palo Alto

Stanford Federal Credit Union

694 Pampas Lane, Stanford

Little House

800 Middle Avenue, Menlo Park

For the latest information and class
registration materials, visit

www.moah.org or call 650.321.1004.

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