The CHM Muse

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Staff & Volunteer Monthly Newsletter

August 2009





The 1401 Team Turns Back the Clock



Here are 1401 restoration team pictures in IBM period dress. From Robert Garner: "You guys look cool, friendly, convivial, professional and, 'normal'..." From Alan Kay: "Wow, looks like just like it was (except for all these old guys)."

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Calendar of Coming Events CHM Presents: An Evening with Authors, Jim Gemmell & Gordon Bell Wednesday, September 23, 2009

The 2009 Fellow Awards Tuesday, October 20, 2009

CHM Presents: The 50th Anniversary of the Legendary IBM 1401 Tuesday, November 10, 2009

CHM Presents: The HP Phenomenon – An Evening with Author Chuck House Tuesday, December 8, 2009



In December, 2008, CHM received a large donation of artifacts from Hewlett Packard, from the workstation product line they bought from Apollo, and from their own 68000-based workstation line. It contains several hundred SCSI and ESDI disk drives, as well as several hundred tapes, and hundreds of product manuals. Software curator AI Kossow began processing the software contained on those disks in August 2009, removing the drives from their cases, and setting up two computers to read the data. The photos show a rack of disks before reading, disassembling the cases, the two computers being used to read them, and AI appraising the documentation.

Electrons and Holes in Semiconductors WITH APPLICATIONS TO TRANSISTOR ELECTRONICS

> WILLIAM SHOCKLEY Member of the Technical Staff BRIA. TELEPHONE LABORATORIES, INC. SIXTH PRINTING

A man with a big red hot idea. $\omega = Shockelay$ 26 Mar St

D. VAN NOSTRAND COMPANY, INC. PRINCETON, NEW JERSEY LONDON TORONTO NEW YORK

Harry Sello Donates Shockley's Book By David Laws

Harry Sello has generously donated his copy of William Shockley's magnum opus "Electrons and Holes" to the museum collection for exhibit in the Silicon Engine artifact display. Harry's copy is unique in that when he was working at Shockley Semiconductor Labs in Mountain View he came up with an improved design for a diffusion furnace. Shockley asked him what he was working on. Impressed with the approach, he asked Harry if he understood all the thermal and mechanical considerations involved. As Harry says, "When the boss asks you a question like that what else can you say but 'Yes' ". Several minutes later Shockley returned with a copy of his book signed on the title page with the message "To the man with a big red hot idea. W=Shockley, 26 Mar 57."

What a Difference a Grant Makes

Bv Karen Kroslowitz

The CCARP project grant, funded by the Institute of Museum & Library Services, ended on June 30. In the space of 21 months, staff and volunteers catalogers added 11,203 new object records and 31,379 photographs to the Mimsy database. Their accomplishments far exceeded the goals set for the grant period--125% for new records and 285% for new photos--and thus, have brought CHM to new heights in collections stewardship. A debt of gratitude is owed to the scores of CHM volunteers for their patience with Mimsy and willingness to adhere to the ins and outs of artifact handling-not to mention all the object identification and computer knowledge they've shared! Many thanks to the scores of high school students and all those from Hands On Bay Area, who spent countless tedious hours renumbering and cropping photos. Volunteers generously gave 3121 hours of service during the 2-year grant period-42% more than the proposed requirements for project completion!

This grant did not address the backlog of physical objects still to be fully cataloged and photographed, which includes the artifacts previously stored at Moffett Field and the SAP Collection (which is inventoried and photographed, but not cataloged to CCARP standards). To continue increasing access to the collections, internally and by the public, applying for new grant funding to complete cataloging of the physical objects collection will be considered.

Collections Volunteering Update

As most readers know, the Collections Department is focusing on the new exhibition during FY10 and staff time will be redirected. Accordingly, physical objects collections volunteer opportunities will be adjusted to Tuesday, Wednesday and Thursday afternoons, hosted by **Karen Kroslowitz, Alex Lux,** and **William Harnack**. Concentrating on those items related to the upcoming exhibition and eventual move of Visible Storage, we need Collections Helpers to assist with cataloging and photographing acquisitions, packing artifacts for moving or storage, specialized exhibit cleaning, and other tasks.

Archives Helpers will continue assisting as they have been— cataloging, scanning, and preparing the document collection for the move. See **Elizabeth Borchardt** if you'd like to know more about becoming an Archives Helper. WANTED! ARTIFACT HELPERS



TUESDAY, WEDNESDAY & THURSDAY AFTERNOONS AT SHORELINE 1 - 5 PM

We need to keep the acquisition wheels rolling, and we're in need of artifact helpers. We've recently received some large donations- volume and object size! – including an IBM System 32, NCR 500 system, HP 3000 and 9000 systems and much more!





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The CHM Web Redesign

Over the last year, the CHM Web Team of Dana Chrisler, Ton Luong, and Anna Boyko have worked steadily to redesign the CHM website (<u>www.computerhistory.org</u>) with new content, updated features and a clean crisp design. Over the past two months, two new sections of the web have made their debut.



Get Involved: http://www.computerhistory.org/getinvolved/

Venue rental has become a key component of the museum's income strategy. To help support our efforts to bring in more customers and present the museum as a dynamic, beautiful and affordable venue, in August the CHM WebTeam debuted a complete overhaul of the Venue rental site. Knowing that visuals both engage web visitors and sell customers, the Web Team purposely designed the new pages to be image rich and show the museum in many modes. On the Overview page, slide shows feature the museum set up for everything from a business conference to a celebration party. The Available Space page includes floor maps of the museum's rentable spaces with visual click-throughs that display photos of each area.

This was truly a team effort with Gary Matsushita and Valerie Alston defining the needs and creating content, and some amazing technical work by Anna Boyko, Ton Luong and Dana Chrisler to bring these ideas to life.

In July, the **Get Involved** pages were successfully launched. The "Contribute" section focuses on membership and individual/corporate development. With the start of the new FY10 giving year, this is a great time to bring up a new web design encouraging visitors to become members and donors of the museum at all levels. The Marketing & Development team worked closely with the Technology team to create the look and content. Special thanks go to David Bledsoe, Karae Lisle, Carina Sweet, Fiona Tang and Lynne Van Tilburg for their input and content creation.



Venue Rental: http://www.computerhistory.org/venue/





On KRON 4's Best of the Bay

Best of the Bay filmed a segment on CHM that aired on August 9 and 22. Janelle Marie, the host, conducted a walk-through interview with John Hollar, highlighting the Babbage Engine, Apple I, Xerox laser printer and Google server.

View the video at: http://bestofthebaytv.com/view/917 /Computer-History-Museum















On the BBC

In July, Dag Spicer conducted an interview with Jamillah Knowles of BBC's Pods and Blogs. Jamillah was on vacation in the Silicon Valley area, but was working throughout her holiday here. One of the key places she visited for her first stop in the area was CHM, alongside Google.

See the following link to view Jamillah's first "postcard" from Silicon Valley:



Bloa:

http://www.bbc.co.uk/blogs/podsandblogs/2009/07/post card from silicon valley.shtml



In The NY Times

The nation's first chief of technology, Aneesh Chopra, appeared at the Computer History Museum in early August for a talk that presented an outline for Mr. Chopra's priorities in the coming months, which include using technology to improve education, health care and the government infrastructure.

Mr. Chopra's CHM appearance is featured in the New York Times at:

http://bits.blogs.nytimes.com/2009/08/05/the-nations-cto-woos-silicon-valley/

A Successful Backpack Drive

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The Computer History Museum's staff & volunteers continued our great tradition of supporting the Family Giving Tree (FGT), an organization dedicated to sending lowincome children back to school with the tools they need to succeed. Like the Holiday Wish Program CHM supported last fall, child-specific wish cards were taken by various departmental and volunteer teams throughout the museum, and the teams shopped for and filled individual backpacks with school supplies.

Seventeen full backpacks were purchased and donated to the FGT. Special thanks go to Jim Somers and Shelley Bergin, who coordinated the team efforts here at the museum, and to Randy and Julie Neff, volunteers with FGT as well as CHM, who returned the gifts to FGT's local warehouse.

And thanks to all who participated with donations on behalf of CHM!

Final Front of House Stats for July, 2009:

Open Hour Visitors: 2489 Babbage Demo Attendance: 1277 Tour Attendance: 1054 PDP-1 Demonstrations Attendees: 87 1401/Data Processing in the 60's Tour Guest: 24

Store Sales: \$5175 Front Door Donations: \$1375

Volunteer Hours: 2256 Total Volunteers: 131

The Editors : Jim Somers, Marcin Wichary, Gary Matsushita **This month's contributors:** Robert Garner, Paula Jabloner, Al Kossow, Karen Kroslowitz, David Laws, Bob Sanguedolce, Jim Somers and Fiona Tang

New Hires in August

Please join us in welcoming two new employees :

Jessica Burns has joined CHM as a Development Specialist

Jane Cheung is our new Manager of School and Public Programs

This Month in History

August 3, 1977 Radio Shack Announces TRS-80

Radio Shack debuted the TRS-80 Model I, the company's first personal computer. Equipped with 4 kb of RAM, cassette-tape storage, and a built-in BASIC interpreter, the TRS-80 was one of the first massmarketed personal computers, along with the Commodore PET and the Apple II. At the time when most microcomputers came from kit form and appealed to hobbyists, these three computers addressed the average person and were very popular in schools. Radio Shack sold more than 200,000 TRS-80 computers.



Want more info on the TRS-80? Check out our catalog page at:

http://www.computerhistory.org/collections/accession/102646108

Trivia Question

On August 7, 1944, IBM president Thomas J. Watson formally presented the Automatic Sequence Controlled Calculator (ASCC) to Harvard University. By what other name is this computer known?

Last Trivia Question

Ivan Sutherland described the first interactive graphics program. What was it called?

Answer: Sketchpad. Sketchpad was revolutionary, written by Sutherland in 1963 in the course of his PhD thesis. It is considered the ancestor of modern computer-aided drafting (CAD) as well as a general breakthrough in computer graphics.