# Hot Chips Update

August 25, 2008

Randall Neff



COMPUTER HISTORY MUSEUM

# The Computer History Museum

**Mission: To preserve and present for posterity the artifacts and stories of the information age**

**Vision: To explore the computing revolution and its impact on the human experience**



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# Museum Overview

- **Collection & Preservation**
  - World's largest collection of computer-related artifacts
    - Objects: 20,000 artifacts
    - Software: 5,000 items representing several terabytes of historical data
    - Media: 20,000 still images & 5,000 moving images
    - Documentation: Approx. 5,000 linear feet of historical data
    - Ephemera: 1,000s of individual items
  - Oral Histories: 236 personal stories from computing pioneers; 111 available on-line
  - http://www.youtube.com/computerhistory
- **Restoration & Exhibition**
  - Restoration Projects
    - IBM 1620, PDP-1, IBM 1401, RAMAC
  - Visible Storage
  - Innovation in the Valley
  - History of Computer Chess Exhibit
  - Babbage Difference Engine No. 2
  - Timeline of Computing History Exhibit (late 2009)
  - 5 Theme Galleries
    - Software, Storage, Semiconductors/Processors, Networking, Input/output
  - Rotating Topical & Travelling Exhibits
  - Cyber Museum
- **Speaker Series & Events**
  - Computer History Museum Presents:
    - explores the social impact of the computing revolution and its effect on the human experience
  - Semiconductor Lecture Series
    - Arthur Rock, Morris Chang, Jim Morgan
  - Special Anniversary Celebrations
    - 25th Anniversary of Commodore 64,30th Anniversary of First Three-Network Transmission, Fairchild@50
  - Annual Fellow Awards Ceremony
  - Rental events
    - IBM, Intuit, Google, SAP, Intel, HP, SRI, Churchill Club, ACM, Grow Awards
- **Research & Education**
  - Providing students, educators, scholars and researchers access to the Museum's collection
    - Library
    - Oral Histories
    - Video Archives
    - Internship Opportunities
    - High School/College field trips
    - Research Center
- **Outside Advisors & Special Interest Groups (SIGs)**
  - Board of Advisors
  - Software Collection Committee, Software Industry, Semiconductor & Storage SIGs



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# New President and CEO

- John C. Holler
- Started July 1
- FCC, PBS, and Pearson plc in London
- Lead CHM through the next growth phase.



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# Here for a year! Thanks Nathan M!

- *The Victorian Computer: Charles Babbage's Difference Engine #2 (1847)* on display for one year at the CHM.
- The Babbage Engine weighs five tons and has 8,000 parts.
- It's an arresting spectacle in operation!
- Pipelined seven 31 decimal digit adders with ripple carries, six second cycle.

You can see it cranked each day Museum is open.



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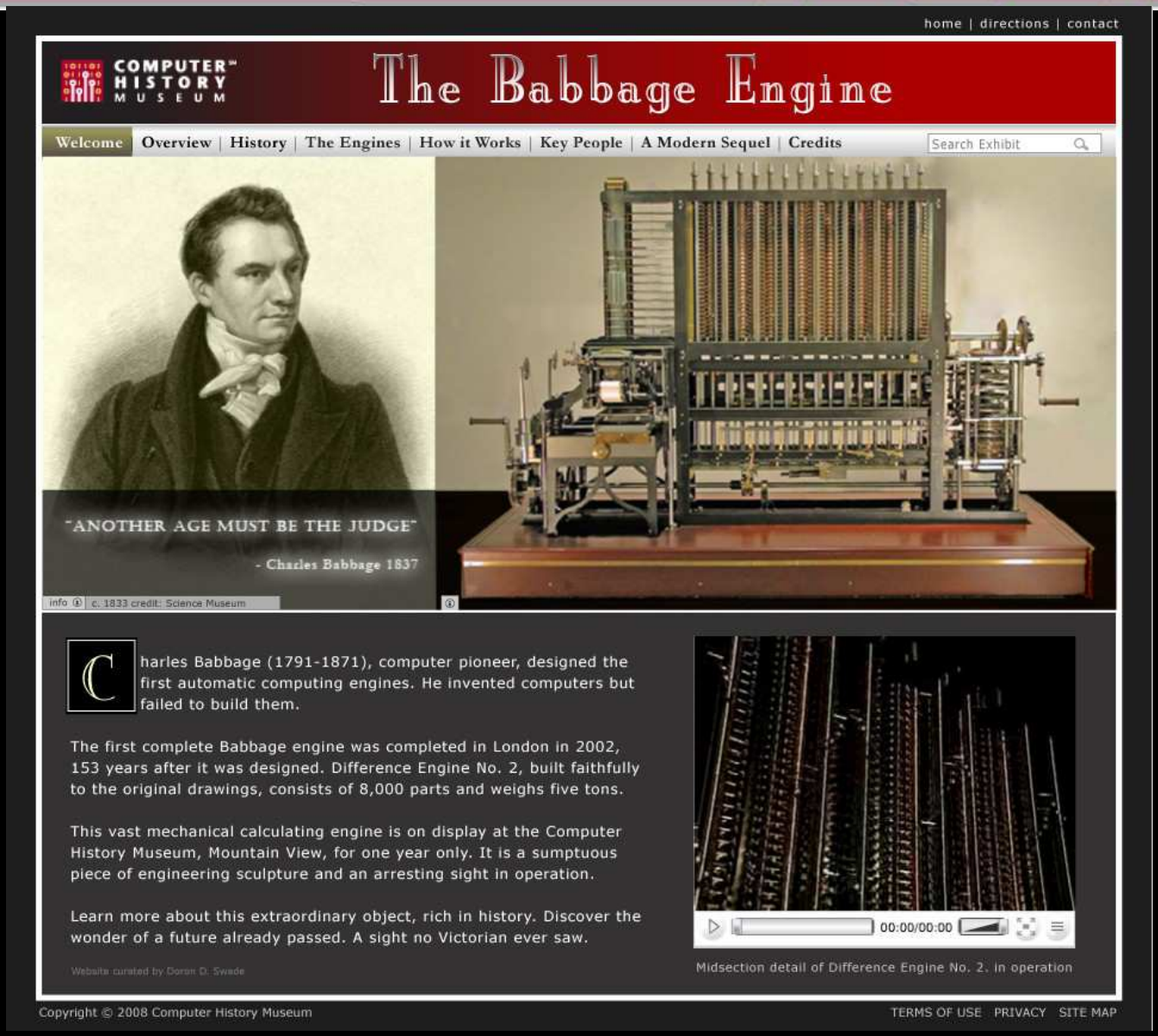
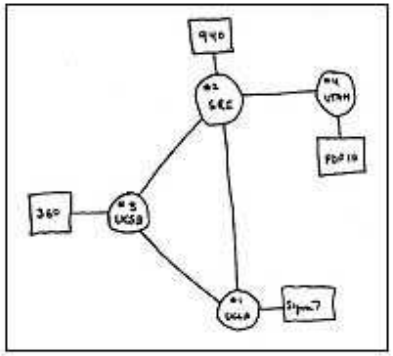
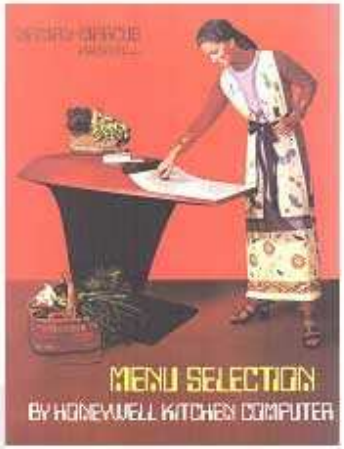
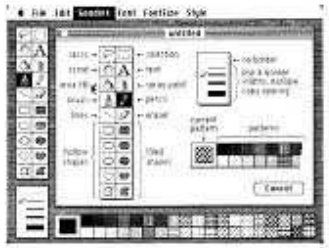
# New Babbage Engine Exhibit

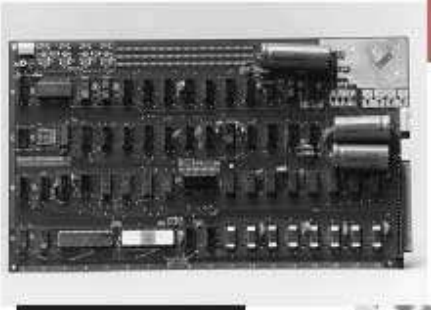


# The Largest Collection in the World !









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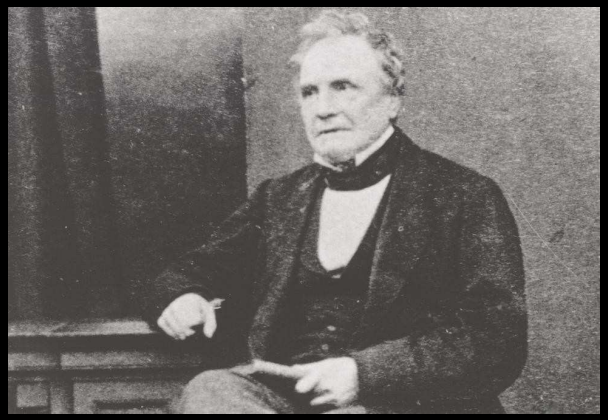
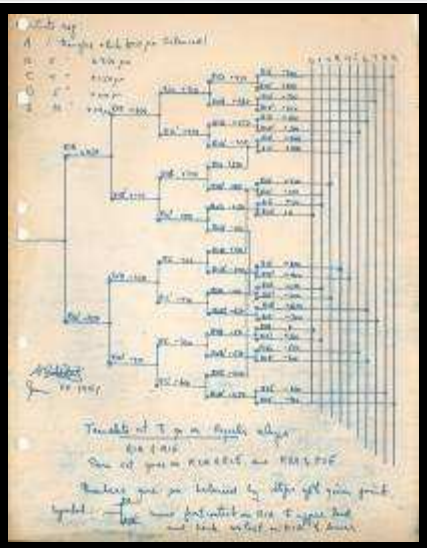
# Five Collection Areas

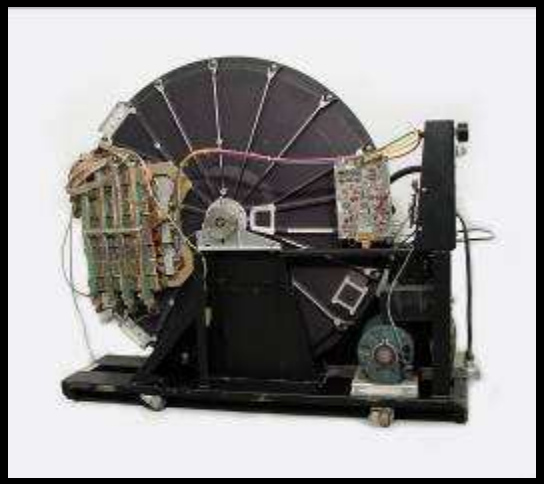


Media

Software



Documentation



Objects

Ephemera



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# YouTube Channel

## CHM YouTube Channel

- An agreement with Google YouTube to provide CHM with a partner level channel
- Brings our videos to a huge new audience

Results (since Dec 2007):

- Now offering 45 videos
- 286,000+ videos viewed
- 1,756+ subscribers
- 2,000+ visitors from YouTube brought back to the CHM website

# Special Projects

- Oral History Program
- I T Corporate Histories Project (ITCHP)
- Software Preservation Group (SPG)
- Storage Special Interest Group
- Computer Restorations
- Semiconductor Special Interest Group (Semi SIG)



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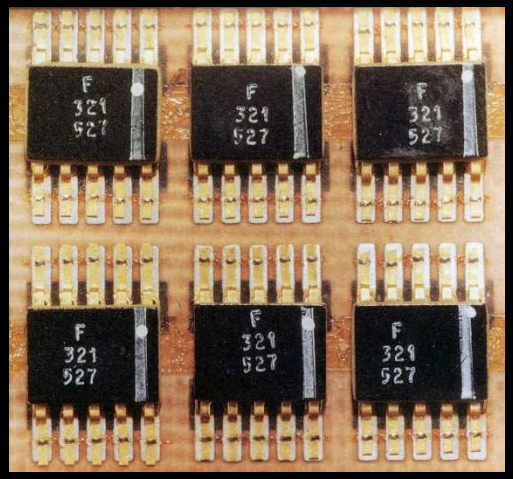
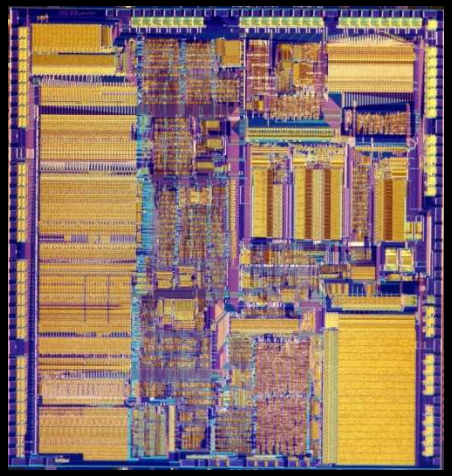
# Semiconductor SIG




Fairchild Micrologic



Intel 386

**Organized in 2005 to augment the work of the Museum staff in identifying, collecting, documenting, and exhibiting the impact of semiconductor technology on the history of computing by engaging the services of external academic, industry, professional, and other resources.**



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# Semi SIG Areas of Interest

- Semiconductor Timeline
- Oral and Video Histories
- Collection Wish List
- Speaker Series
- Web Presence
- Development
- Theme Room
- Tour Content



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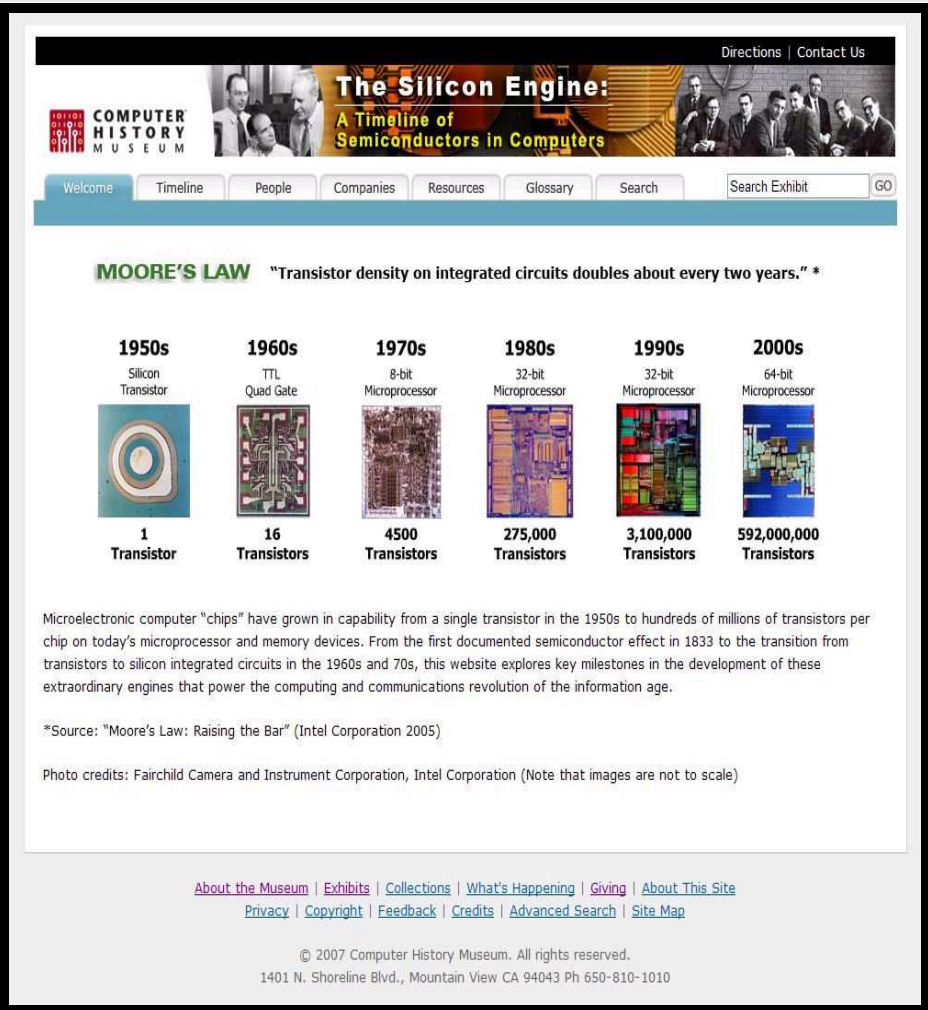
# Semiconductor Timeline Website




Go to: **http://www.computerhistory.org/semiconductor/**

# Events

- IBM Stretch Lecture – Sept 11
- Jean Bartik Lecture – Oct 22
- Fellows Awards:  October 21, 2008
  - Jean Bartik  (ENIAC programmer)
  - Bob Metcalfe  (Ethernet)
  - Linus Torvalds  (Linux)



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# How You Can Help Us

- Support our ongoing fundraising efforts
- Get your name on Museum's mailing list
  *(if you give me your business card, I'll make sure you are placed on the list…)*
- Spread the word to your associates
- Become a Museum member
- Volunteer!
- Donate the history that you have!

**Thank You Very Much!**



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*Where Computing History Lives*

www.computerhistory.org

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