Vintage Computer Festival

Saturday, August 5, 2017

Photos by Dave Jaffe

Vintage Computer

Festival West



Program Guide

Vintage Computer Federation

Vintage Computer Federation Inc. (vcfed.org) is a 501(c)3 non-profit organization for and by computer history enthusiasts. We evolved in 2015 from the DNA of related groups

In addition to Vintage Computer Festival West, we also own VCF East (New Jersey each spring) and VCF Pacific-Northwest, and we are working hard on creating more events,

We're big fans of online collaboration.

We own Vintage Computer Forum, which is the hobby's largest discussion site. There are thousands of users worldwide to help you with whatever niche of vintage computing you prefer.

We also support in-person meetups through regional chapters. Our founding chapter in the U.S. Mid-Atlantic region has its own hands-on computer museum! We are actively incubating new chapters and partnering with existing local groups to join the Federation.



Hello, world!

Welcome to the Vintage Computer Festival West XII. You're about to embark on a fantastic family-friendly adventure backward in time.

You will see and touch dozens of historic computers from many decades gone – everything from big iron to eight-bitters. You'il also experience some creative new replicas, modern enhancements, and new retrotherned systems. You will meet some historic people, learn their insider stories, and perhaps pick up our nerdily awesome t-shirt! While you're here, remember to tour the amazing museum all around us: they're a terrific host and worth a return trip. Be sure to talk about us online: #vcfwest

Happy computing,
- The Vintage Computer Federation

Speaker Schedule

The role of events like VCF in the ecosystem of retrotechnology enthusiasts can't be overstated. They are gathering places for enthusiasts, each with a different desire in their interactions. There is value in both strict preservation and direct access to retro-technology, and understanding how they can interact, to further both long-term preservation and interactive recovery of the context of use. Such collaborations can only help to illuminate the history of computers for everyone.

Saturday

9:00

Welcome / Show opens State of the CHM - Dag Spicer

11:00 - 12:00

the company.

IBM 1401 Demo at the CHM

11:30 - 12:30

Early Apple - Bruce Damer, Paul Laughton Bruce and Paul will discuss some early Apple artifacts and Paul's experience working with the Apple founders on early projects with

1:00 - 2:00

Medium Iron Restoration Panel Lyle Bickley, Ken Sumrall, Joe Fredrick,
Carl Claunch, Ed Thelen, Robert Gamer,
Pad Buder, Marc Verdiel
Moderated by Michael Cheponis
A discussion of the trials and
tribulations of restoring medium iron
in a museum environment.

2:30 - 3:30

Resurrecting Habitat, the First Graphical MMO - Chip Morningstar, F. Randall Farmer Nechabitat is a relaunch of the first massively multiplayer online roleplaying game, Lucasfilm's Habitat Originally

(now LucasArts) for the Commodore 64, Habitat is considered the grandfather of modern MMORPGs.

developed in 1985 by Lucasfilm Garnes

2:30 - 3:15 and 3:15 - 4:00 PDP-1 Demo at the CHM

PDP-1 Demo at the CHM

3:30 - 5:30

Commodore Recollections - Bil Herd,
Chuck Peddle, Leonard Tramiel,

Yash Terakura
 Moderated by Earl Evans
 These early Commodore pioneers will discuss the history of Commodore over the early eras along with anecdotes and intrigue.

6:00 Chave also

Show closes

Sunday

9:00

Show opens

9:30 - 10:30 Class: My First Experience Using

KiCad - Dwight Elvey, DFT Engineer Making the diagnostic board and 6530 to 6532 adapter for the KIM-1.

11:00 - 12:00

IBM 1401 Demo at the CHM

12:30 - 1:30

Xerox Alto Restoration Panel Ken Shirriff, Carl Claunch, Luca Severini
Moderated by Marc Verdiell

The story of restoring Xerox Alto systems to full functionality.

Exhibit

Exhibit Judging Begins Judges: Daniel Kottke, Mitch Waite, Chris Garcia 7.00

1:30 - 2:30

Xerox Alto PARC Panel - John Shoch,
Diok Lyon, Geoff Thompson, Dan Swinehart

CURATOR, COMPUTER HISTORY MUSEUM

Moderated by Hansen Hsu, CHM Curator, Center for Software History Xerox PARC alums will discuss their experience with the Alto and other projects.

2:30 - 3:15 and 3:15 - 4:00

PDP-1 Demo at the CHM

3:30 - 4:30

Class: Before You Turn it On: Initial System Debugging - Lyke Biokley
The tools you need and when to use them. Which systems are easy or

difficult? How is restoration different for micros and minicomputers? 4:30 - 5:30

Awards

5:30 Show closes

Exhibitors

VCF exhibitors put amazing effort into displaying their favorite historic computing systems. Be sure to visit them all, ask questions, play, learn, Tweet, and take lots of pictures? Perhaps you'll be inspired to exhibit your own pride-and-joy at VCF West XIII next year.

Lester Barrows - Current state of the art in Apple II Current hardware and software

> to old hardware. Simon Wynn - Newbear 77-68 Fully restored and functional Newbear 77-68 6800 based system. one of the earliest home computers

Woods Colossal Cave Adventure

projects which bring new life

available in the UK. Tom Conrad - Playing Adventure on IBM 5150 Play the original Crowther and

and obsolete software

built to run old software.

largest 6502 microprocessor, built from individual transistors to be an exact replica of the renowned 6502 microprocessor chip.

Cole Erskine - The First Practical Chess Computers

On exhibit will be Applied Concepts' Boris, the original Fidelity Chess Challenger, and a Synertek SYM-1 running Peter Jennings's MicroChess.

Kevin Lund - Classic Atari Computers presented by the San Lenadro Computer Club

as ported to the IBM PC. First and second-generation Atari Bradley Grantham - New hardware 8-bit Personal Computers including interesting and rare peripherals. A demonstration of two computers Tony Cole - Cray SuperComputer

Various components from Cray Eric Schlaepfer - The MOnSter 6502. computers including Cray-1, Cray-2, The MOnSter 6502 is the world's Cray X-MP SuperComputer Boards.

The MADE - Home Computer Games! An exhibit of various home

computer games. Michael Hill - Vintage Toys & Noise a winner. A selection of audio/visual gadgetry used with vintage computers. including an interactive exhibit using Commodore, Apple, and other machines interfaced with some

Bill Borsari - The Amazing Commodore Amiga 2000 This display will feature several radically different Amiga 2000 models to see and use.

modern hardware to create sound

and visual effects.

Bill Borsari - Retro Battle Royale: codename during development. Amiga vs Atari

Relive the epic 80's home computer

battle between Amiga and Atari. Players will earn tokens to vote for their favorite systems and at the end of the VCF we will declare

LISA computer system running

Lyle Bickley and Bob Rosenbloom -Tek Graphics and Apple LISA A display of Tektronix Graphics including a plotter and an Apple

original software. Cameron Kniser - The Apple Network Server A running ANS 500 for interaction with participants, as well as a prototype Shiner, which was the

(Continued...)

Recent years have seen the passing of some of the most influential people in our industry: Jack Tramiel, Steve Jobs. Dennis Ritchie to name but a few. As these giants recede into the past we are challenged with preserving our digital heritage in the form of the visions that these pioneers shared with the world. I strongly

recommend that everyone, especially families and the younger folk who will be inheriting this wealth of technology, take a trip to the Vintage Computer Festival and experience just a bit of the founding of our technologic age. BIL HERD

CHEATOR OF THE COMMODORE 128

Exhibitors, continued... Dave Babcock, Steve Casner &

team - The IBM 1620 Jr. The goal of the CHM-sponsored, IBM 1620 Jr. project is to produce an oper ational version of the IBM 1620 Model T Level F computer that recreates, as

> Duncan Mac Dougall - Rare Computers from Japan This exhibit aims to show off some

of the more popular examples of systems that the West missed out on, such as the PC-98, PC-88, X68000 and MSX2+.

Jeff Albrecht - Boot bytes for notes A collection of S-100 based computers, most with front panels, playing music and demonstrating

Dwight Elvey - How to diagnose and Repair a broken KIM-1 An in depth look at diagnostics and interventions for the seminal KIM-1.

single board computer.

Carl Claunch - Xerox Alto A demonstration of the innovations

applications, bit mapped high-

and concepts built into the Alto, such as the creation of ethernet, widespread use of client-server systems, WYS/WYG resolution displays, laser printers, and the predecessors of Word, Draw,

Postscript and many other software products from the 1980s. Larry Pezzolo - From MIKE 3 to Ferguson Big Board

much as possible, the experience of

other aspects of the state of the art

from that era.

operating a real IBM 1620.

An exhibit focusing on two very

DPS-8/M emulator running against a Honeywell 6180 Maintenance panel.

History Museum The Computer History Museum will

be showing off their involvement in computer history.

early computer systems, the MIKE 3

and the Ferguson Big Board.

at the I/O Corral

David Henderson - Wild Micros

A demonstration of the I/O skills of

various breeds of microcomputers

from Britain, Europe, America and

the Former Soviet Union.

Access UNIX System

Jeff Kaylin - Multics Terminal access to Multics on a

Michael Holley - Southwest

A display of Southwest Technical

audio and test equipment, a nixie

tube clock, a computer with floppy

Products items including early

Foone Touring - Floppy Disks

A display of everyone's favorite

digital storage medium in all its

many formats including a Copy

Hap Plain - The Proto Preserve

Everything Prototype - a variety

of prototype Apple systems.

CHM Volunteers - Computer

Technical Products Corp.

disk and terminal.

That Floppy station.

terminal.

Stephen Jones - SDF Public

A demonstration of a previous

incamation of a BBS running on an

AT&T 3B2/500 computer along with

a Teletype 5620 and an AT&T 605















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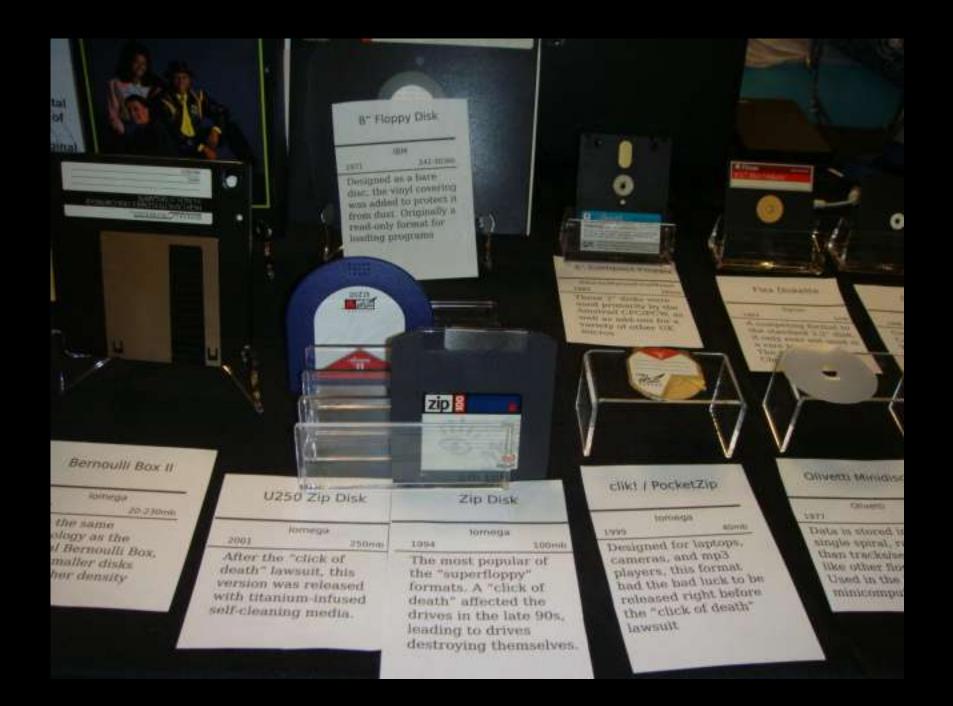


8" Floppy

Designed as disc, the viny n dust. d-only f



VES



1 Compact Floppy

Hitachi/Matsushita/Maxel 1982 300st

These 3° disks were used primarily by the Amstrad CPC/PCW, as well as add-ons for a variety of other UK micros



clik! / PocketZip

Iomega

1999

40mb

popular of

floppy"
"click of
cted the

ip Disk

omega

Designed for laptops, cameras, and mp3 players, this format had the bad luck to be released right before

Flex Diskette

Dysan

1964

Link

A competing format to the standard 3.5" disk, it only ever got used in a rare luggable PC: The Seequa Chameleon 325

DataDisk.

Smith Corne

1986

1004

Used in Smith Corona's Personal Word Processors, and based on the 3" Mitsumi Quick Disk format.



Olivetti Minidisc

Olivetti

1977

3kb

Data is stored in a single spiral, rather than tracks/sectors like other floppies. Used in the P6040 minicomputer

Brother Micro

Brother

1984

30

Used by indust stitching/sewir embroidery m





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Used by industrial stitching/sewing/ embroidery machines

DataDisk

Smith Christia

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Used in Smith Corona's Personal Word Processors, and based on the 3"

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2000

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A fleptical format, with drives backwards compatible with standard 3.5° disks Supposedly the Chespent media of the superfleppies MARKS.

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LT-I

Fujifilm

1989

793kb

These 2" disks were solely used in the Zenith Minisport laptop.

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1978

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DataDisk

STREET CHINA

Strick Dick

Smith Personal Consors and REZUMD144

Carety

Latera

A floptical format, with drives backwards compatible with standard 3.5° disks. Supposedly the cheapest modia of the superfloppins PRIPER

Davey

7

Fugilim produced the disks. Originally launched in 1998 at 150mb, it was recalled after drive problems and relaunched in 1999 Supercuse

- Interior

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Fujifilm

LT-I

1989

793kb

These 2" disks were solely used in the Zenith Minisport laptop. Stringy Floppy Wafer

Exatron

1078

4k-64k

A continuous tape system designed as an inexpensive replacement for floppy disks. Not actually a floppy disk! Famicom Disk Card

Famicom Disk Card

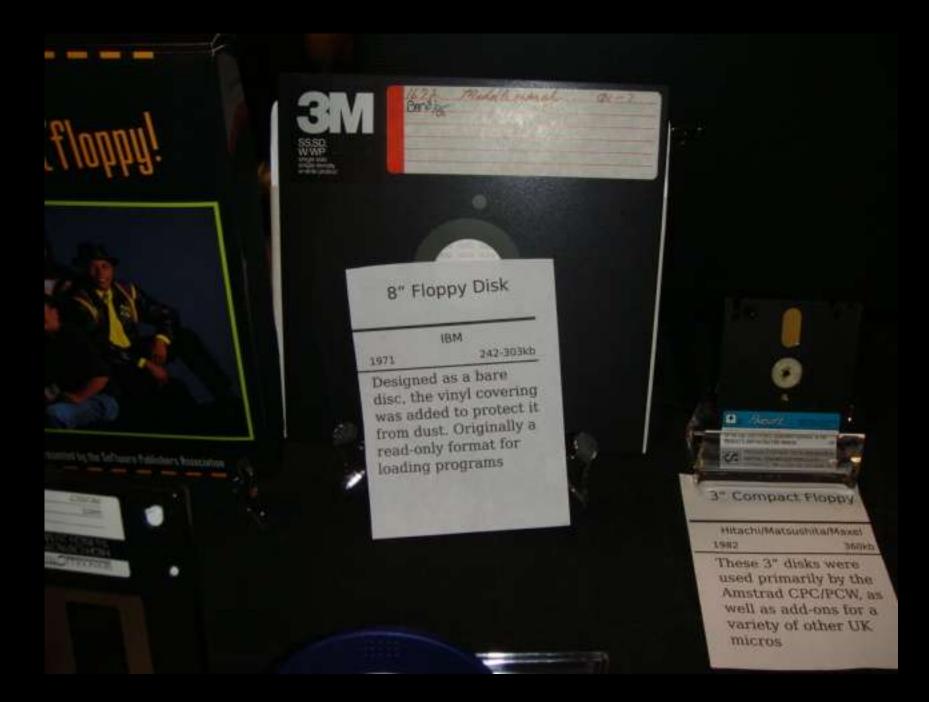
Nintendo

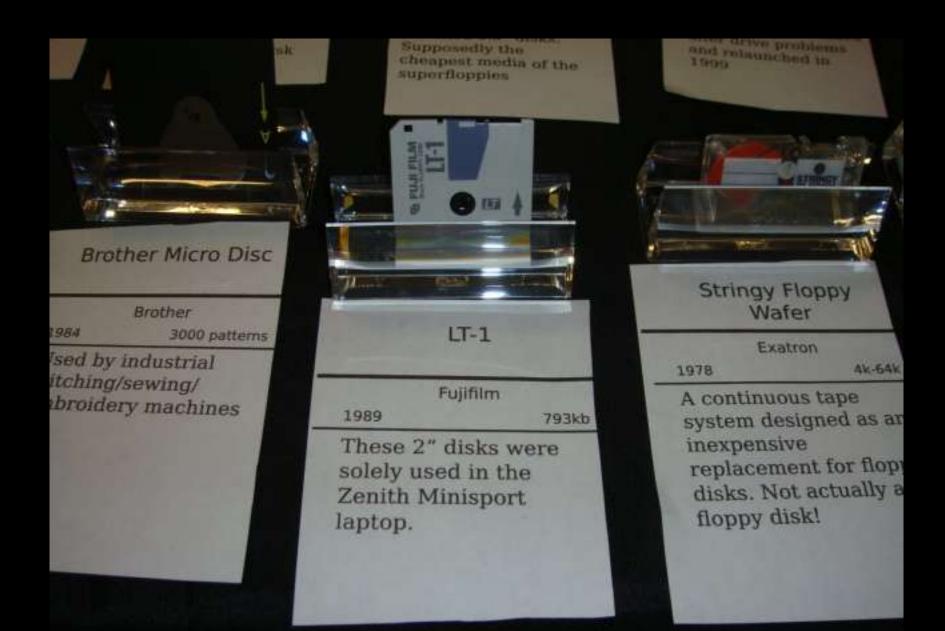
1986

112kb

Later Famicom Disk System disks came with a shutter covering up the media, to keep out dust



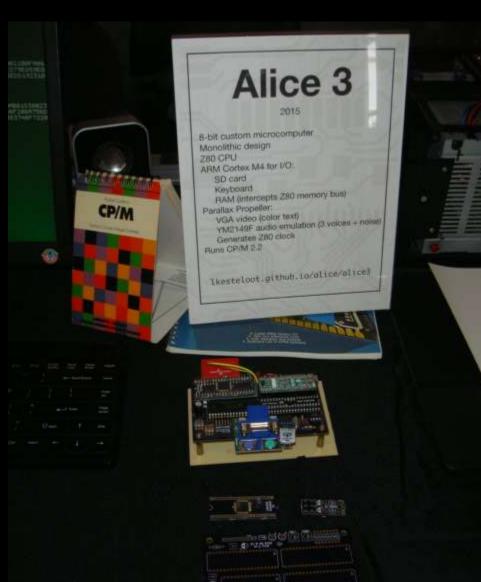






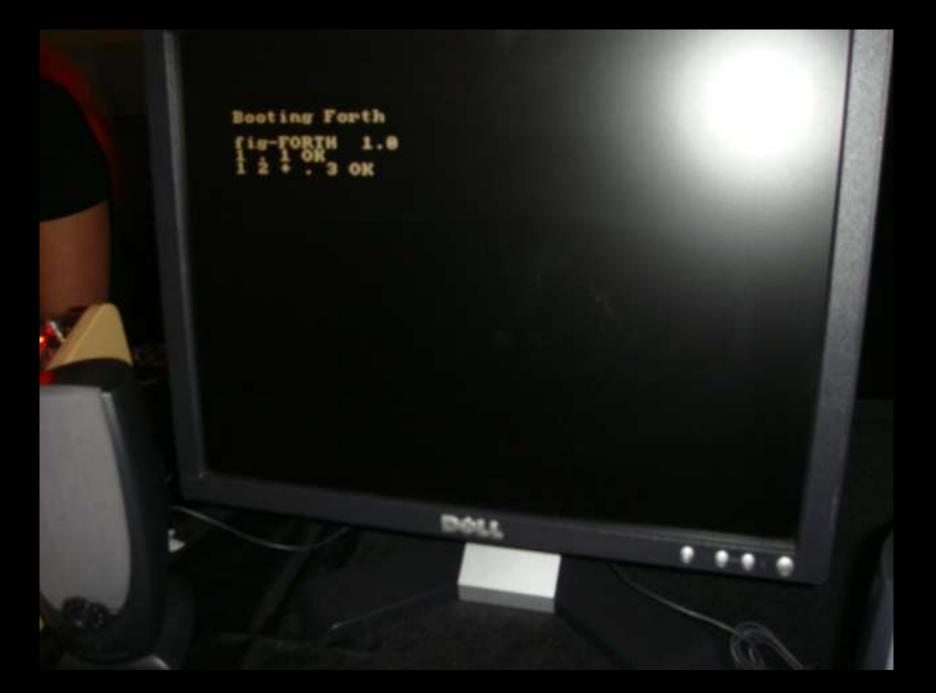






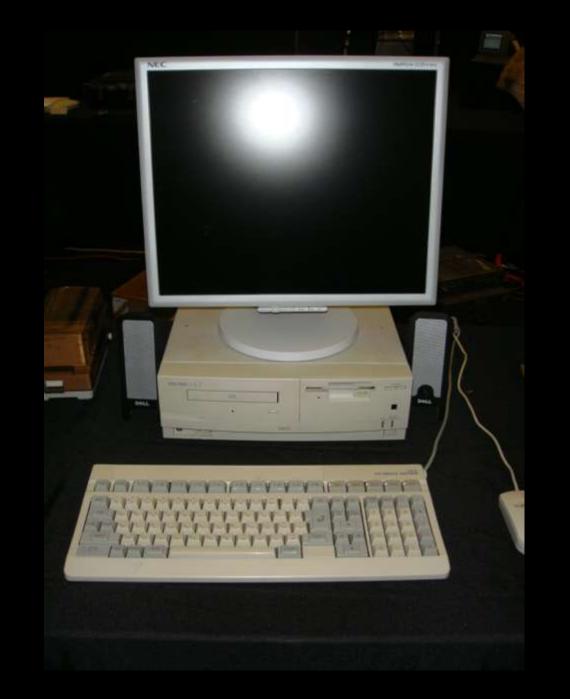








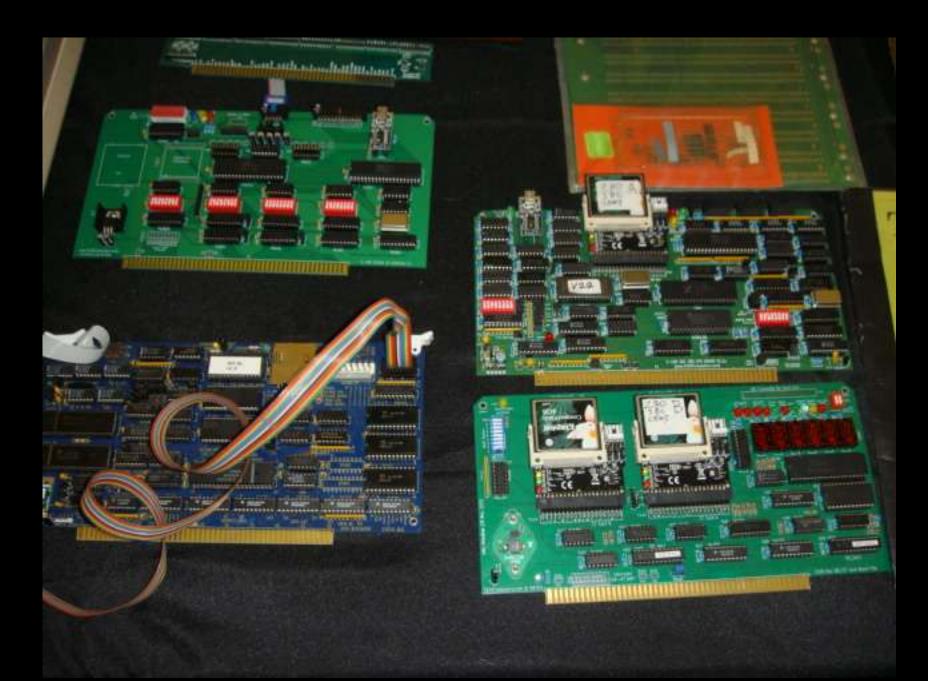






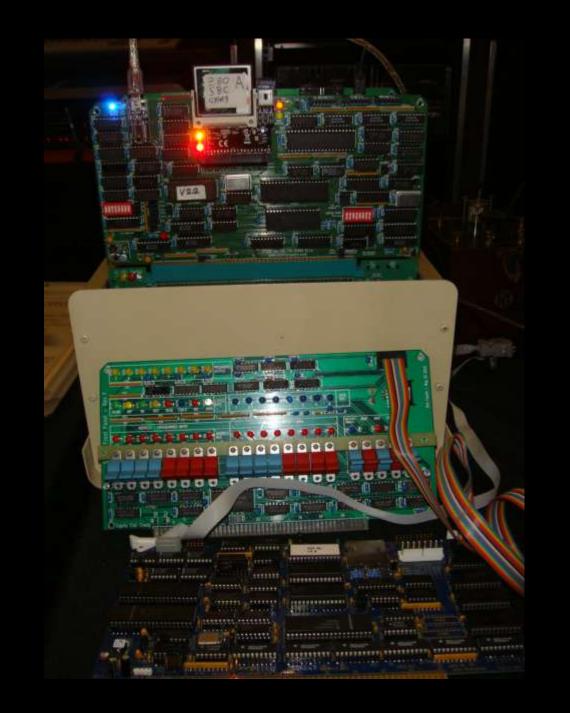
















PROJECT BREAKTHROUGH!

World's First Minicomputer Kit to Rival Commercial Models... "ALTAIR 8800" SAVE OVER \$1000

ALTAN SEGO

ALSO IN THIS ISSUE

- An Under-\$90 Scientific Calculator Project
 - CCD's-TV Comera Tube Successor?
 - Thyristor-Controlled Photoflashers



Harris Harriston

THE PERSON NAMED IN COLUMN























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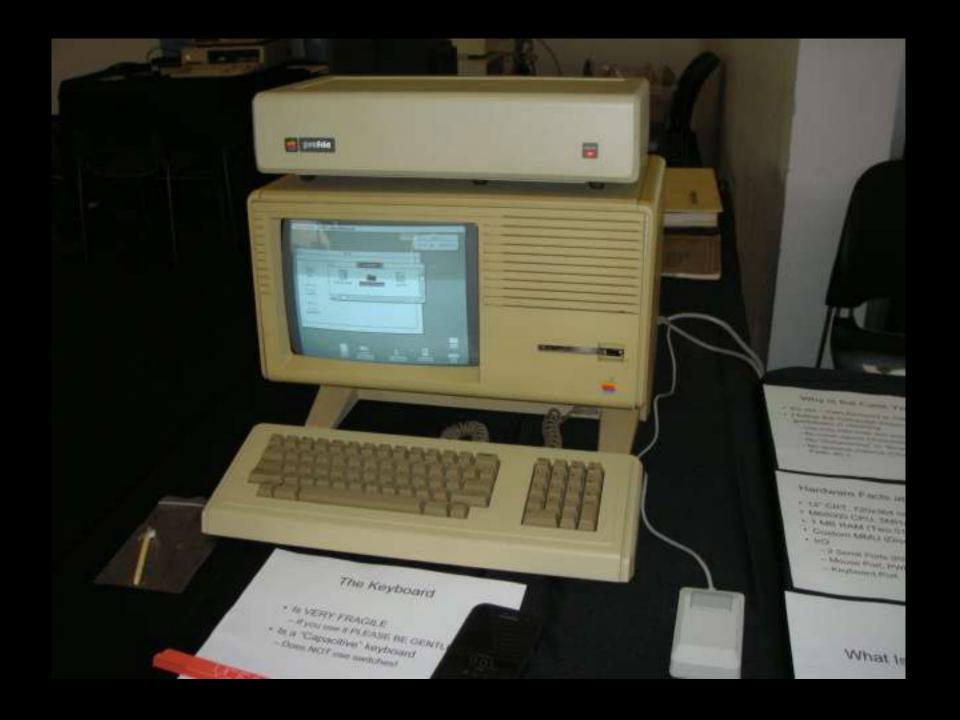
MIKE III COMPUTER













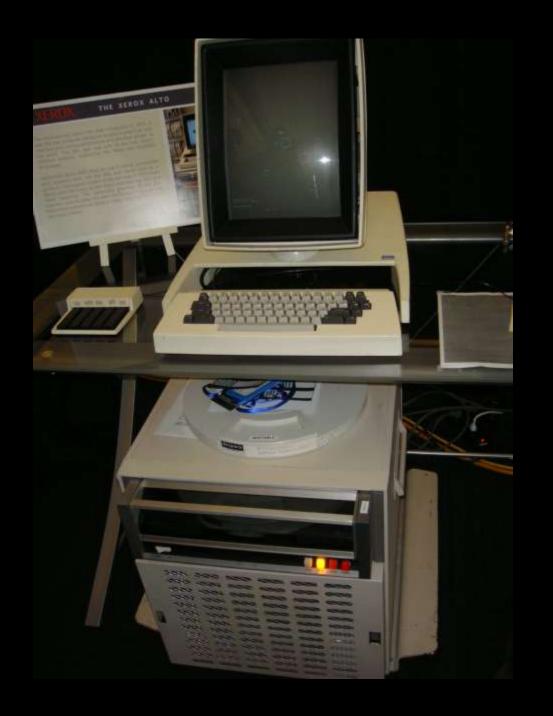




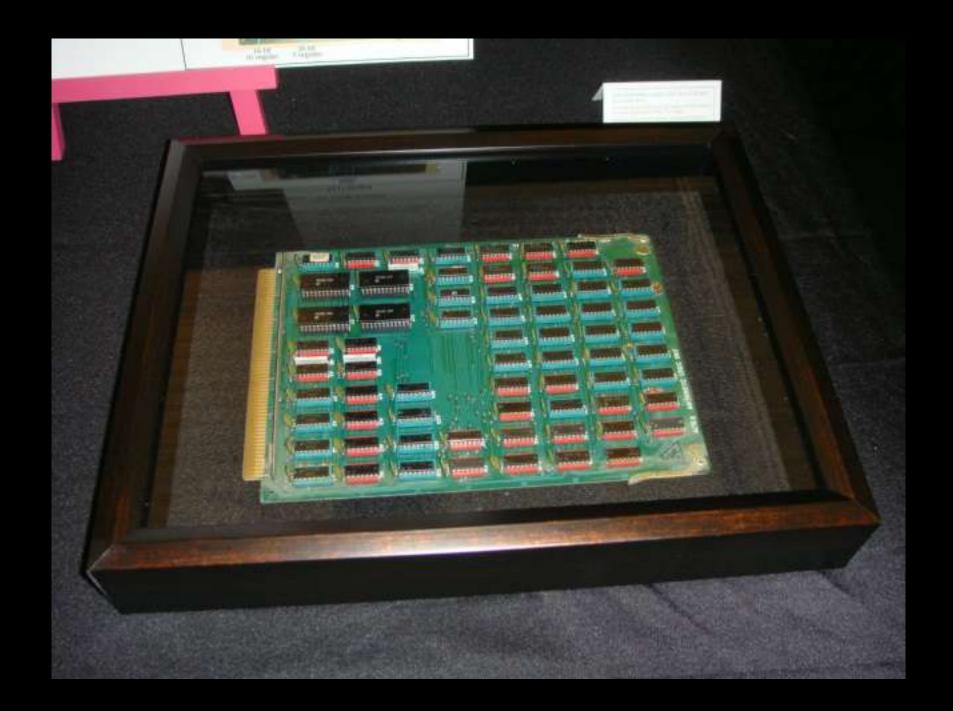
















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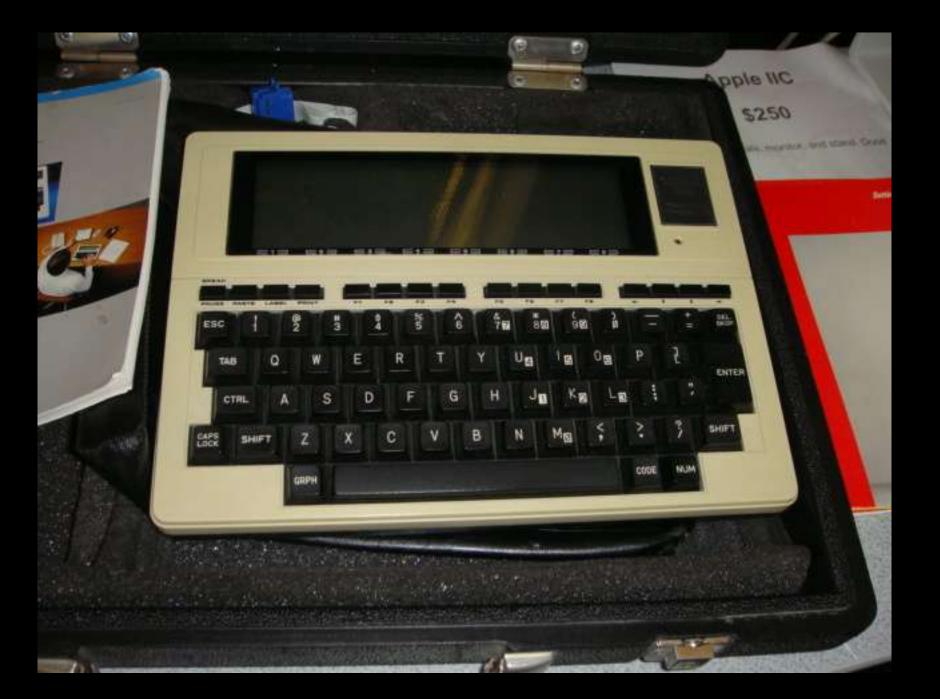












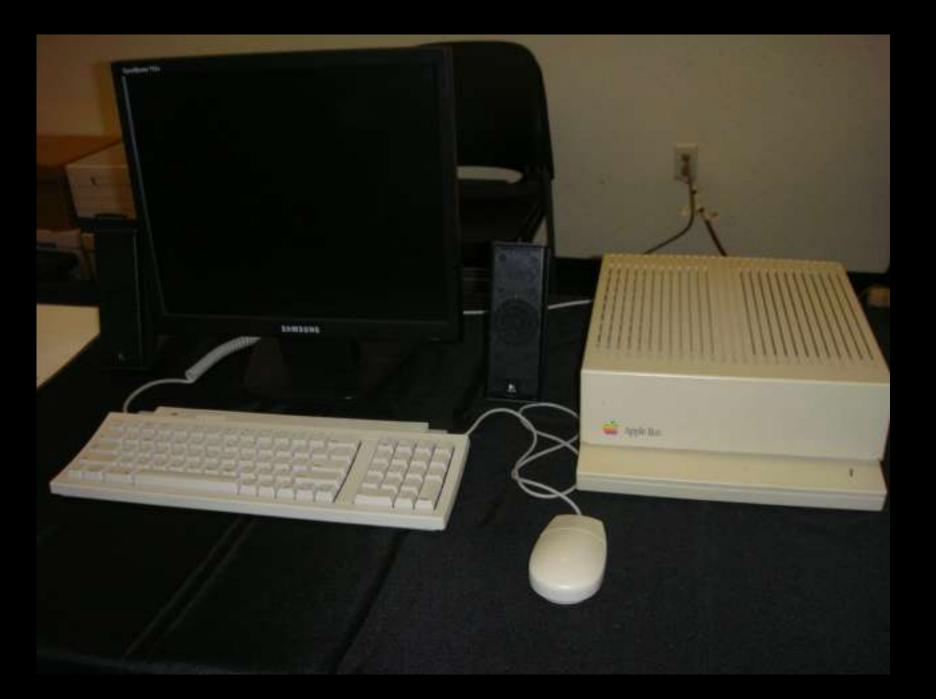






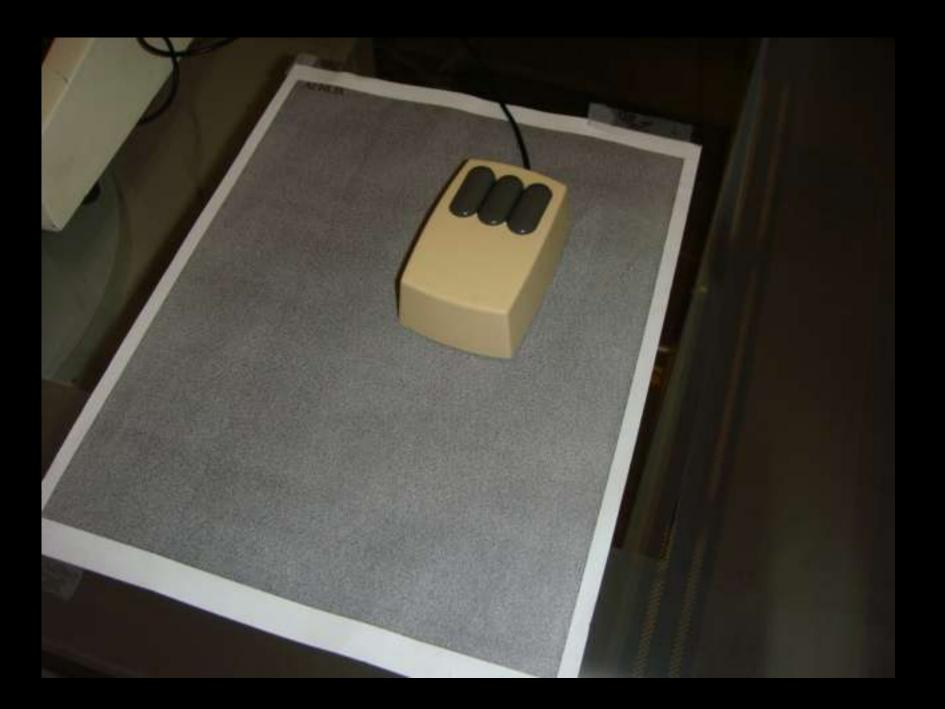


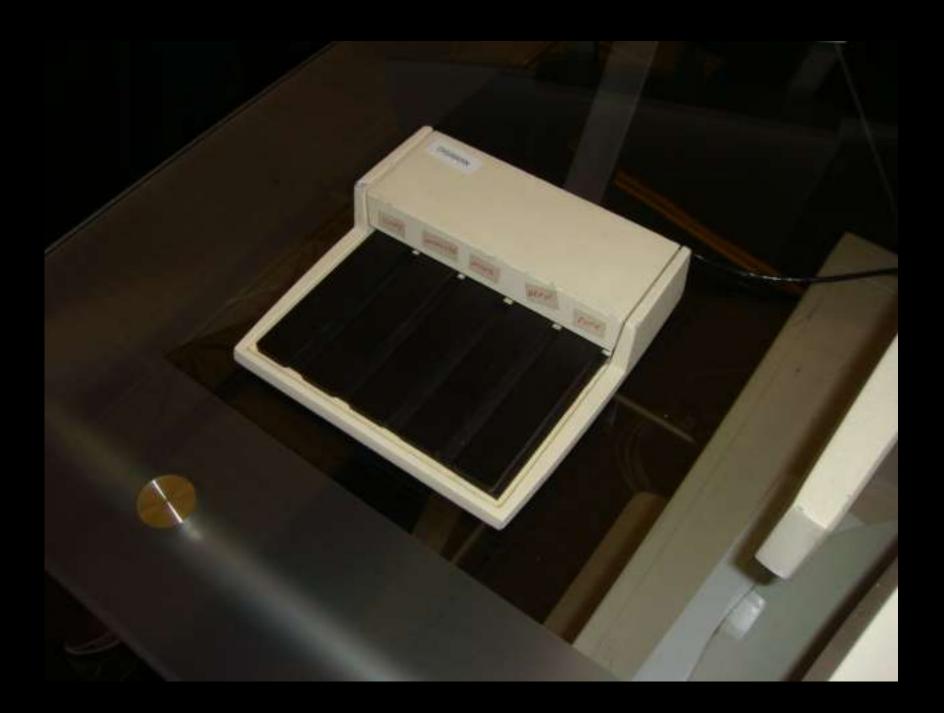




















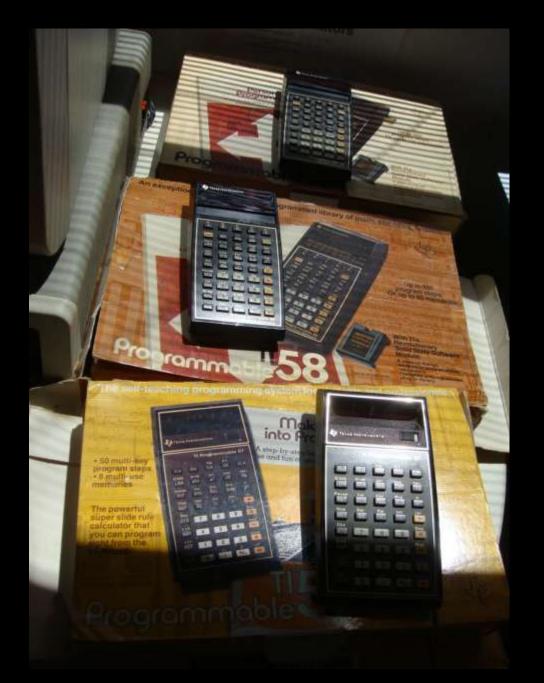






Photo by Kevin Appert

Sunday, August 6, 2017