

# VCF East 2024









## MUSEUM ENTRANCE

**OPEN**  
Museum Hours  
12:00 Noon - 5:00PM  
Wednesday - Saturday - Sunday

Info Age  
Science and History  
Museums

Antique Radio  
Electronic Warfare  
Radar  
Vintage Computers  
Military Miniatures  
Model Trains  
Military Vehicles  
Shipwreck  
Space Exploration

732-280-3000



ATTENTION ALL  
EVANS AREA  
VISITORS REPORT  
TO THE VISITOR  
CONTROL OFFICE

VCF EAST  
ENTRANCE  
& TICKETS

EAST  
ENTRANCE  
& TICKETS



**CAMP EVANS HISTORIC DISTRICT**

This Historic Site is being

**PRESERVED**

with a Matching Grant through the

Preserve New Jersey Historic Preservation Fund



Department of Community Affairs  
State of New Jersey









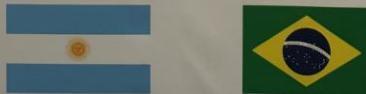


[www.8bitdesk.com](http://www.8bitdesk.com)



**8-Bit Desk**  
and sometimes also 16-bit

## Clones of South America



Clones of  
South America

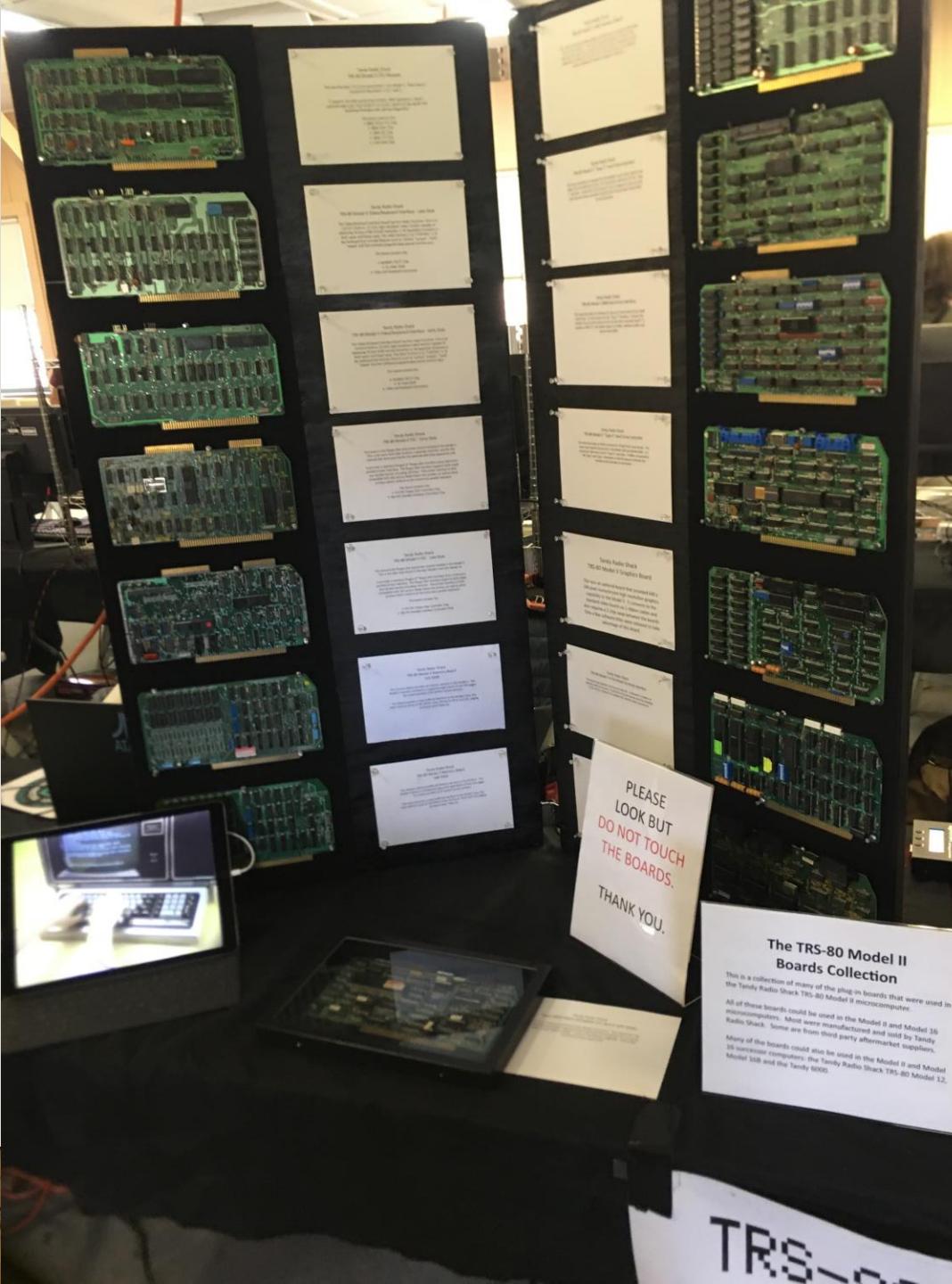
Ricardo Setti

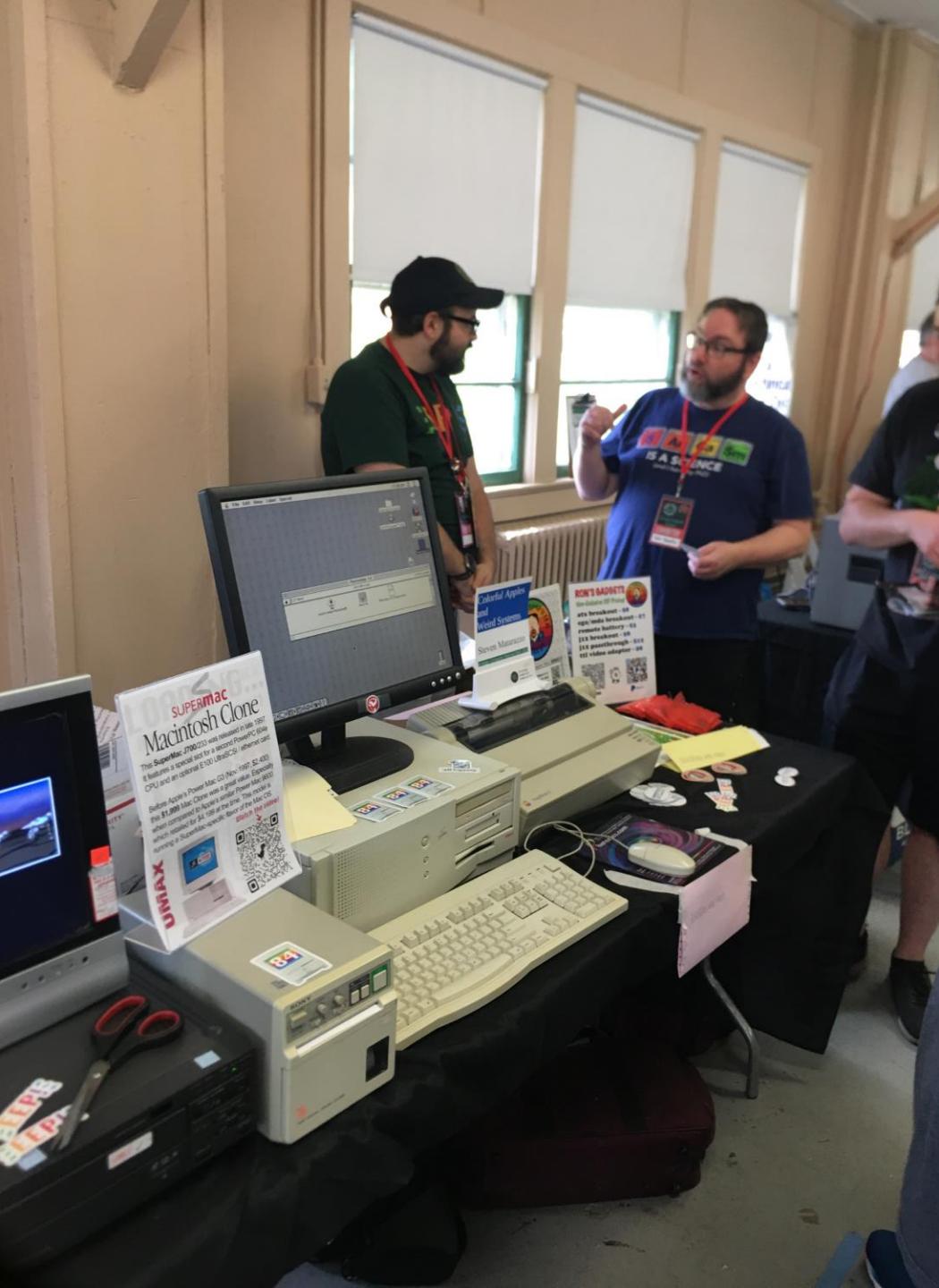
Vintage Computer Festival East 2024



















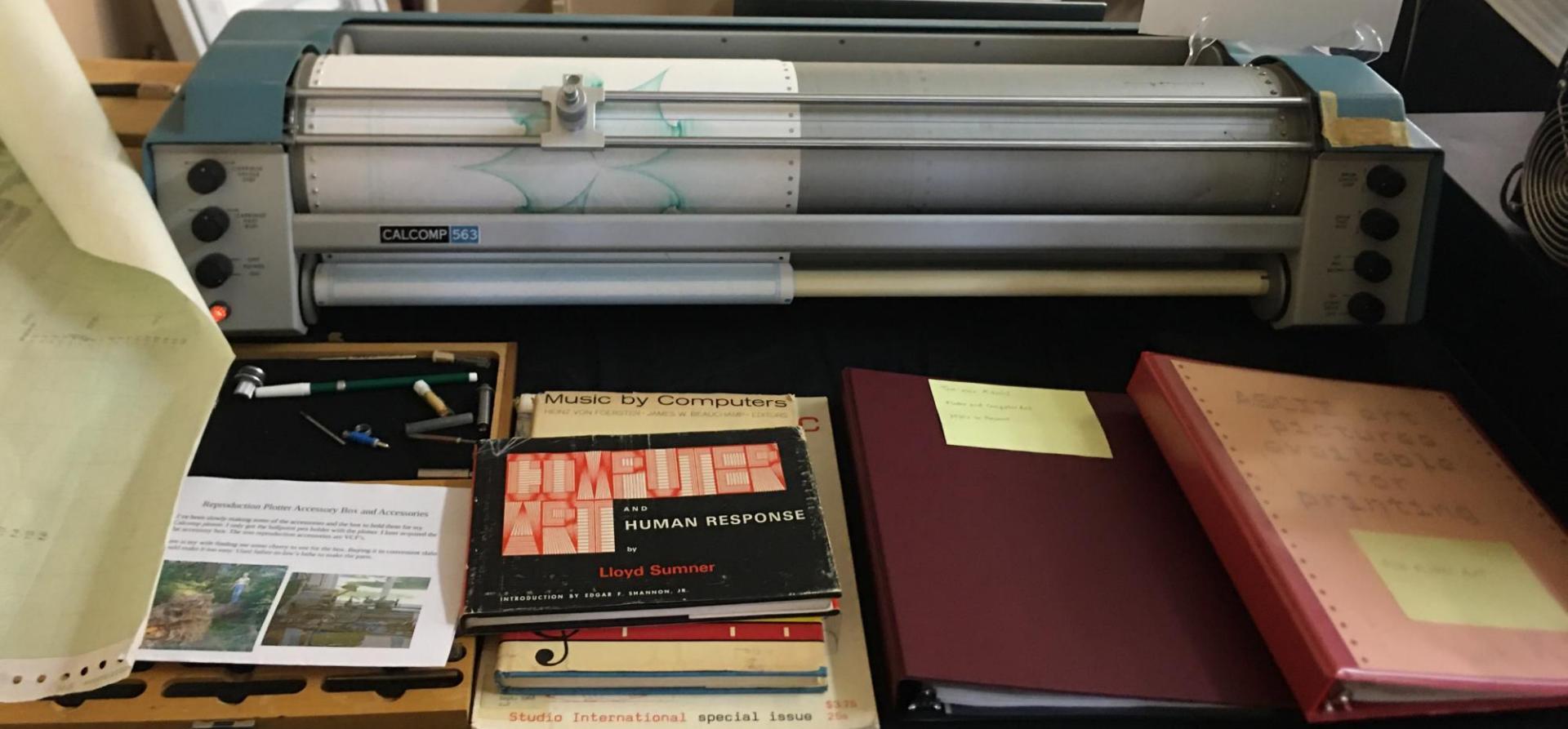


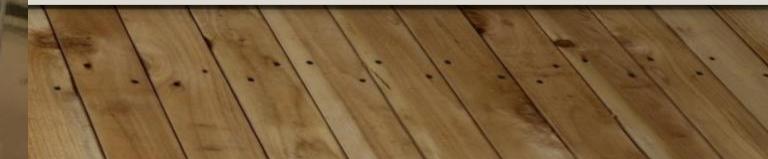
### Calcomp 563 Incremental Plotter

This series of plotters was introduced in 1979. This particular plotter was made in 1973. It has no local intelligence; the computer generates pulses to move the pen by tiny increments of .005 inches. The plotter can move a maximum of 300 steps per second or about 1.5 inches per second. These plotters came in several different widths. This one has a 36-inch wide plot area. It normally used 120 foot long roll of 31-inch wide plot bond paper. This type of paper is no longer manufactured so I am using tractor feed printer paper for demonstration. The pens are also no longer available but some pen nibs can be modified to work and the paper supply and take up reels are not original.

Laser pen plotters could move the pen more than 20 times faster and were intelligent so the computer could send coordinates for the lines or plot characters. Pen plotters are now mostly obsolete having been replaced by inkjet plotters.

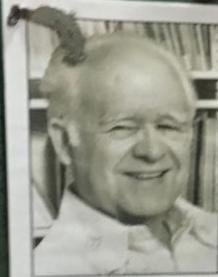
Some Calcomp plotters are in on the wall.











Harry Husky, 1916-2017

### Computer Pioneer Harry Husky Designer of the Bendix G-15



Husky with SWAC

- Born in North Carolina and raised in Idaho. Earned bachelor's degree in mathematics from University of Idaho, masters and doctorate from Ohio State University.
- 1945 Taught mathematics to U.S. Navy students at University of Pennsylvania while working part time on the programming details of the ENIAC and EDVAC computers.
- Late 1940s, as a colleague of Alan Turing, worked on Turing's Automatic Computing Engine (Pilot ACE).
- 1950 Managed construction of Standards Western Automatic Computer (SWAC) at National Bureau of Standards
- 1955 Designed the G-15 based on Turing's ACE and sold it Bendix
- 1958-1959 Developed the Navy Electronics Laboratory International ALGOL Compiler (NELIAC). \*1
- 1963 Developed memory paging hardware for the Scientific Data Systems 940 multi-user time-sharing system. \*2
- Dr. Husky earned many awards such as U of Penn 1986 for ENIAC, 1984 Centennial from IEEE, and 2013 fellowship from CHM

\*1 Legendary computer scientist Niklaus Wirth, studying under Husky, used this ALGOL compiler to develop languages including, famously, Pascal.  
\*2 The G-15 was later used by Douglas Engelbart's off-line System (SLS, shown elsewhere in the museum) and influenced Codel and TENEX on the DECsystems-20.

VINTAGE



AOC Garden State  
ELECTRONIC WARFARE  
DISPLAY











AOC Garden State  
ELECTRONIC WARFARE  
DISPLAY







SIGNAL CORPS  
TELEGRAPH AND TELEPHONE

SP-3 G-1  
FORT MONMOUTH



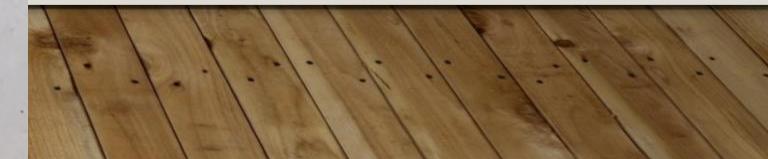






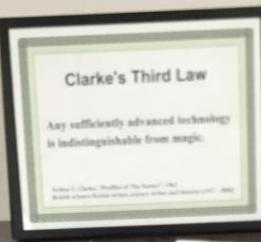
Figure 4. Multichannel radio-relay communication system.

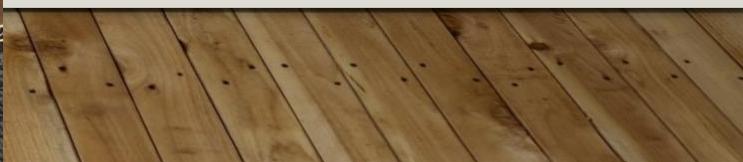


USING THE RE-8  
FIELD PHONE









Pleasing Radio Case



- A double-tuned receiving transformer with variable coupling
- Frequency range: 100-1200 KHz



Early U.S. Navy Audion Control Box  
(likely Model SE-838)

- Connects to tuner to form a regenerative receiver





THE INSTITUTION OF ELECTRICAL  
AND TELECOMMUNICATIONS ENGINEERS  
THE ALLEN & DIXON  
LABORATORIES, INC.  
ADVANCEMENT OF TELEVISION  
CONTRIBUTION AWARDS ESTABLISHED  
BY ALLEN & DIXON  
IN 1946

DAVID SARNOFF

The Growth of Television  
In Early Years

RE













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