

Geschichte und Ästhetik der audiovisuellen und digitalen Medien II

1945-1960

Prof. Dr. Jochen Koubek

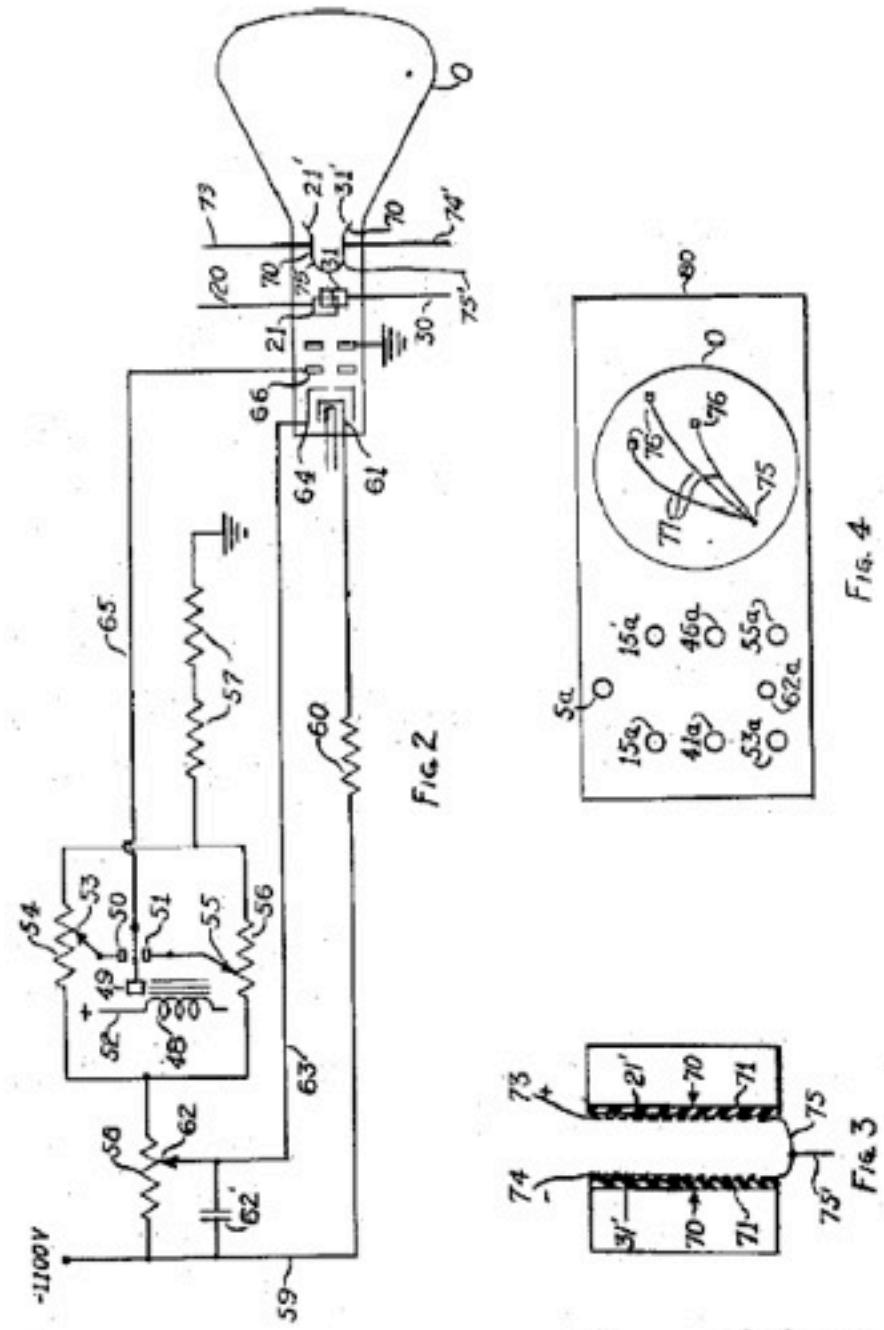


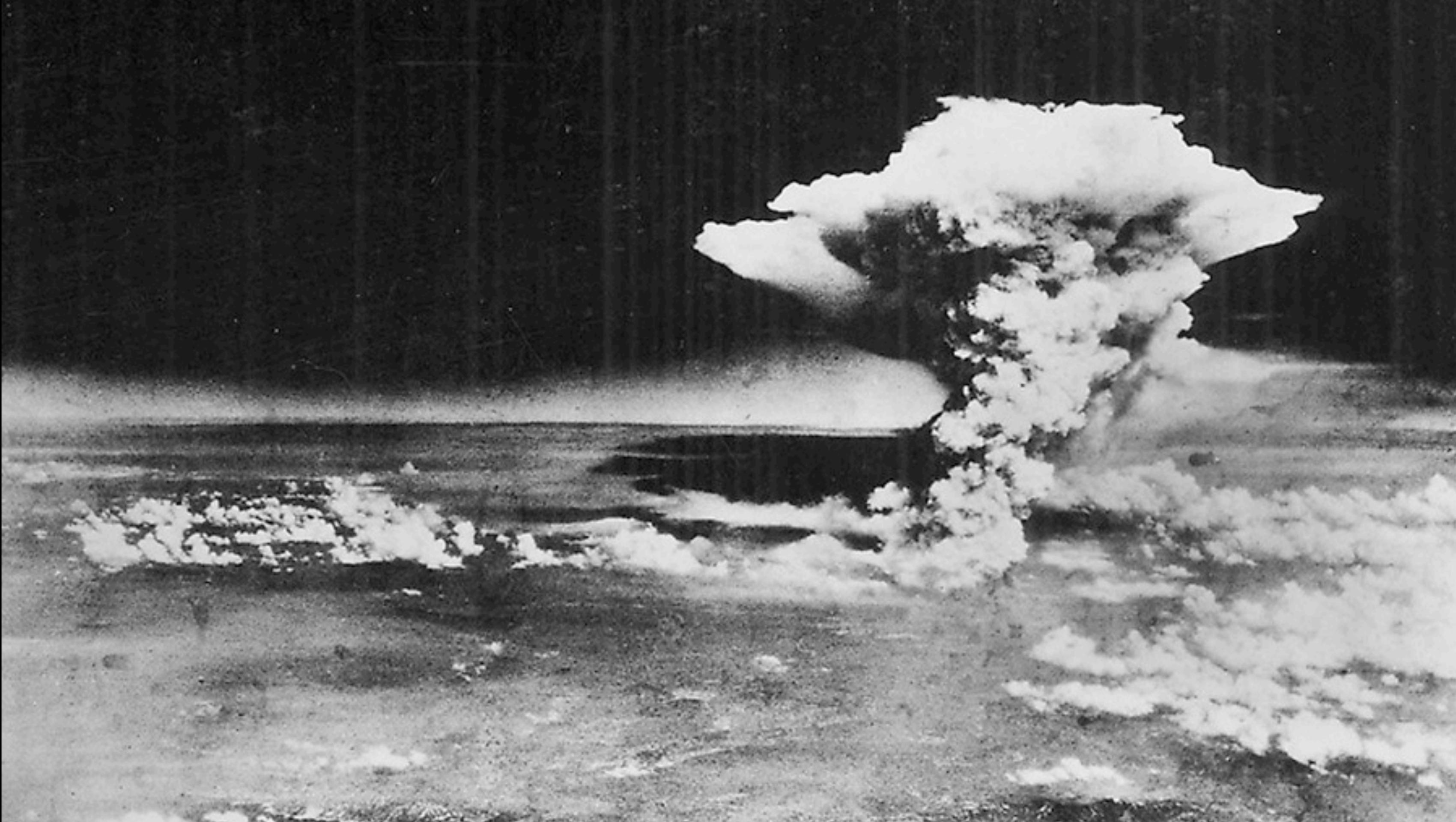
A Machine for Playing the Game NIM



<http://www.youtube.com/watch?v=2NWnmvMOqS0>

Raymond Redheffer, 1942 MIT





Arthur W. Burk)

First Draft of a Report
on the EDVAC

by

John von Neumann

Contract No. W-670-ORD-4926

Between the

United States Army Ordnance Department

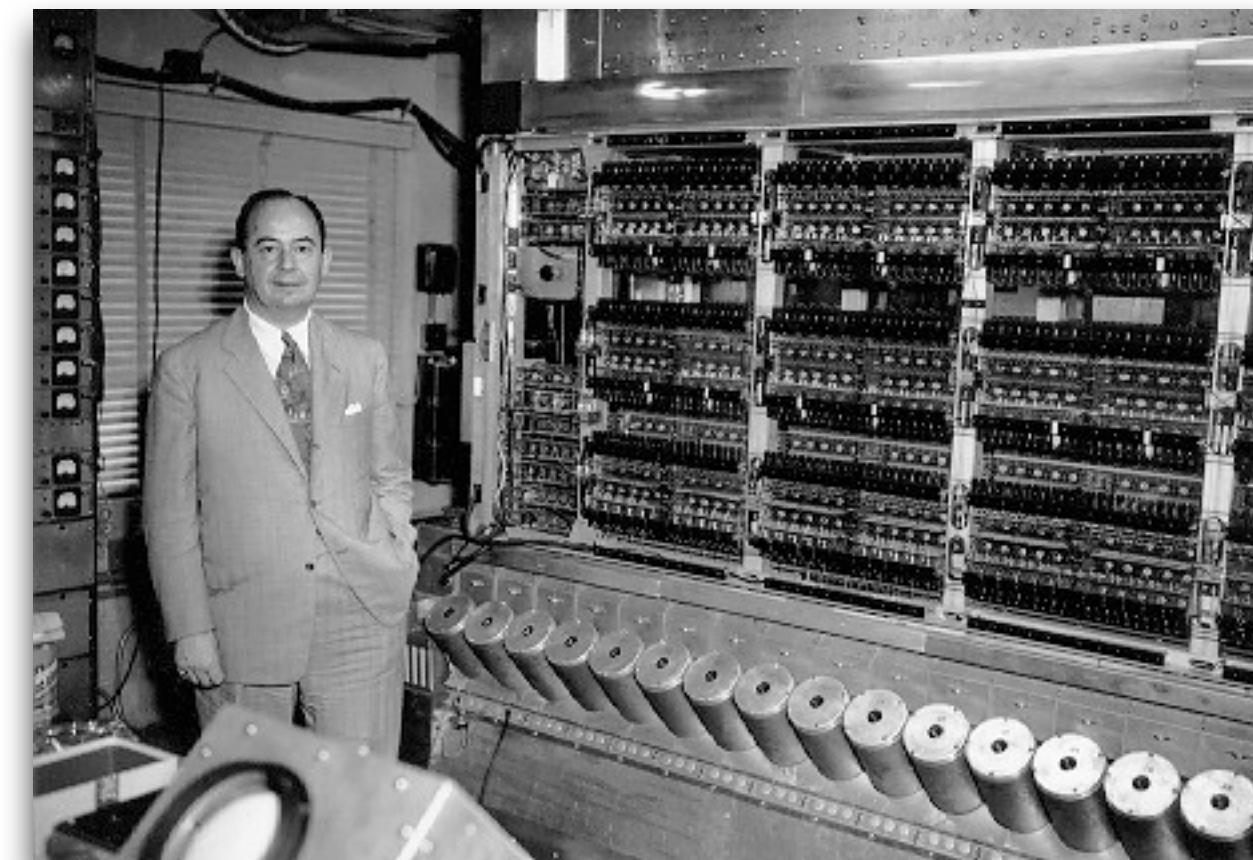
and the

University of Pennsylvania

Moore School of Electrical Engineering
University of Pennsylvania

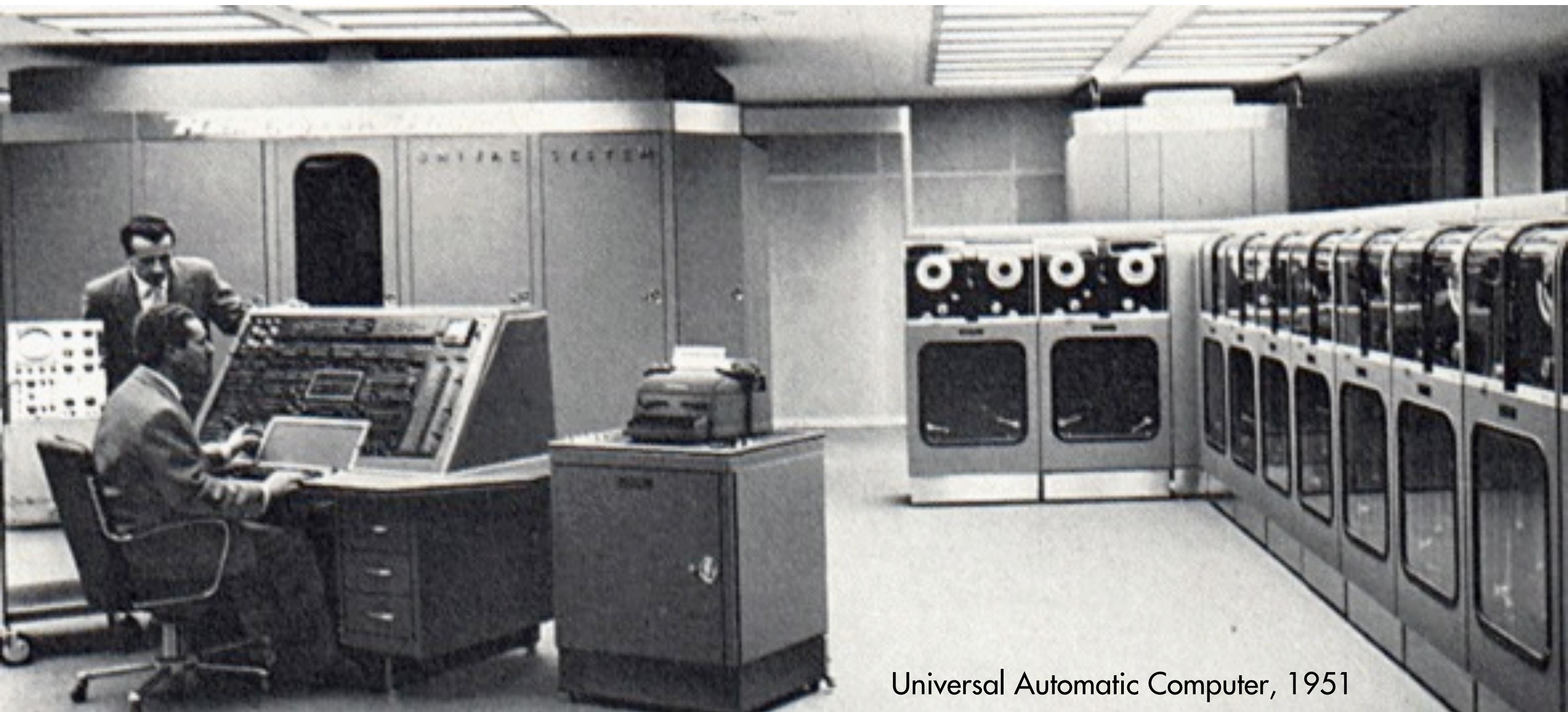
June 30, 1945

EDVAC



John v. Neumann

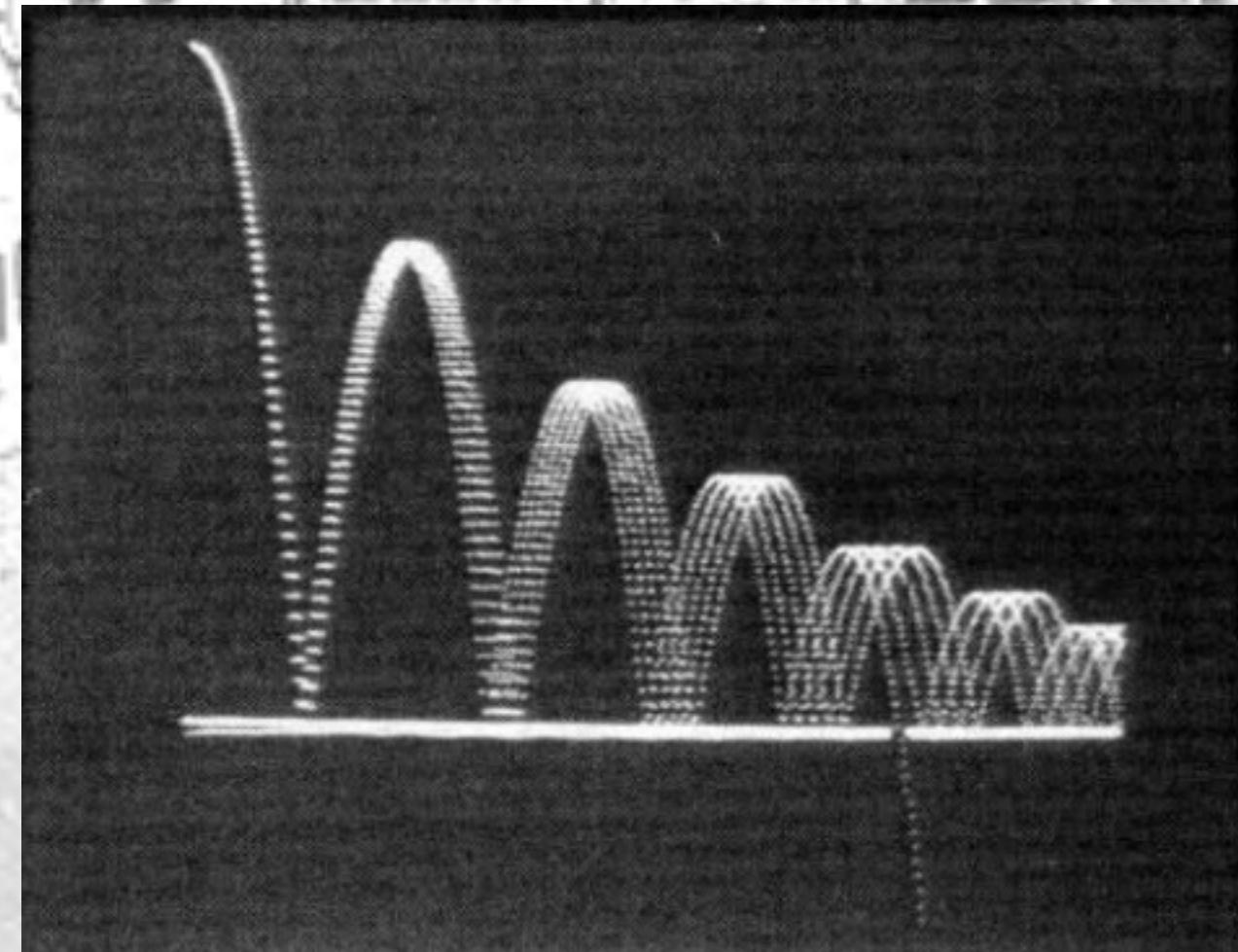
UNIVAC



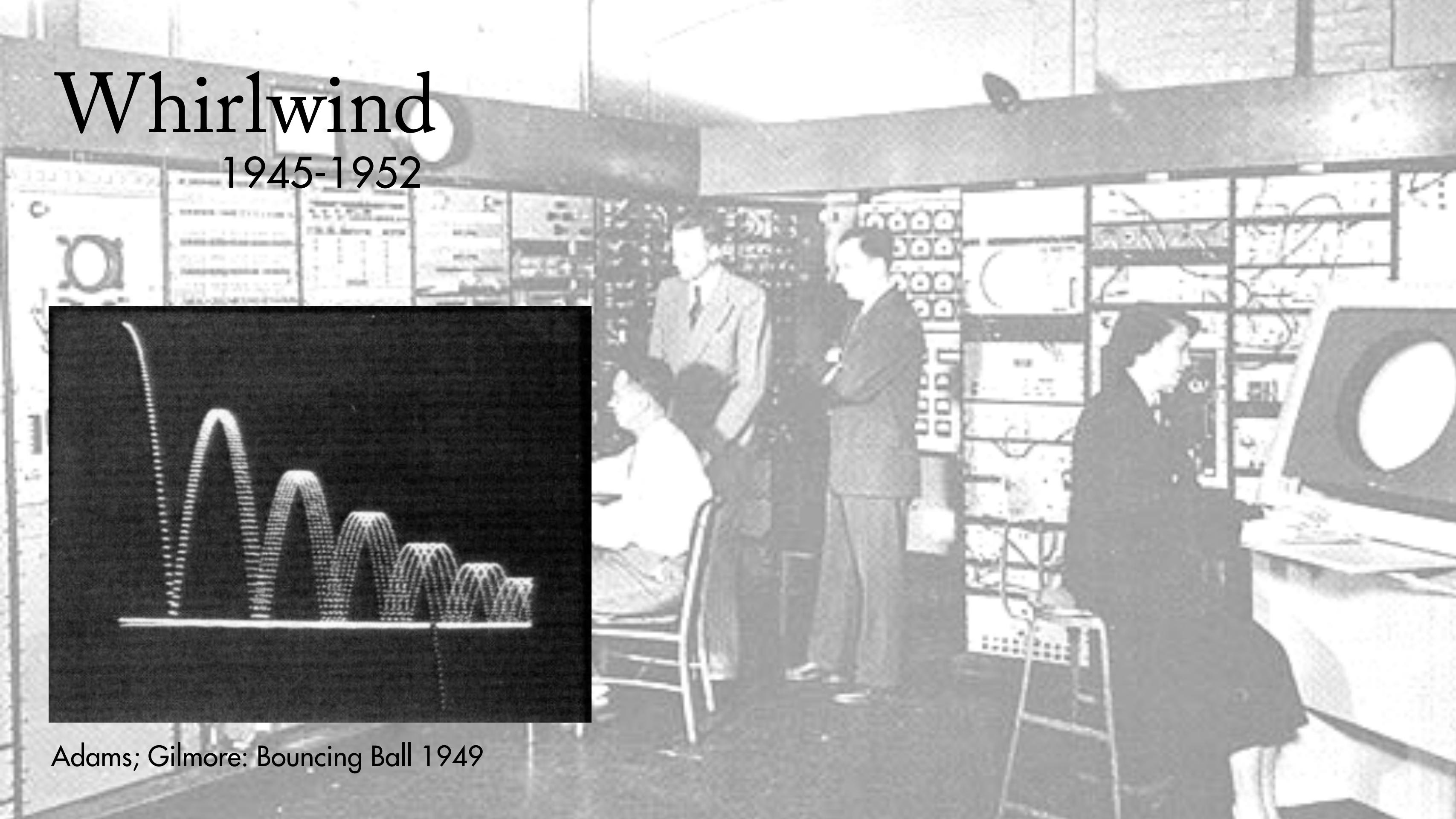
Universal Automatic Computer, 1951

Whirlwind

1945-1952



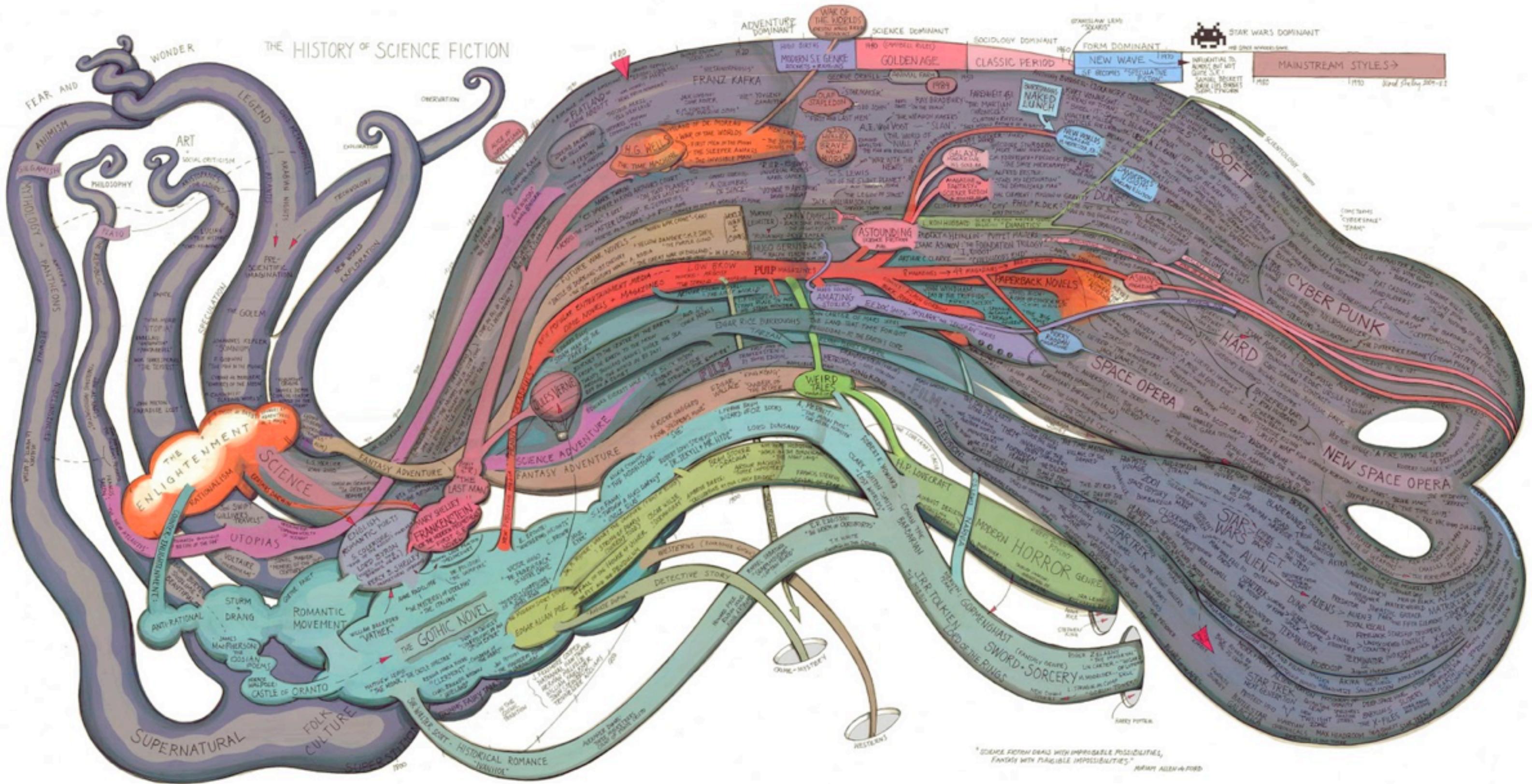
Adams; Gilmore: Bouncing Ball 1949



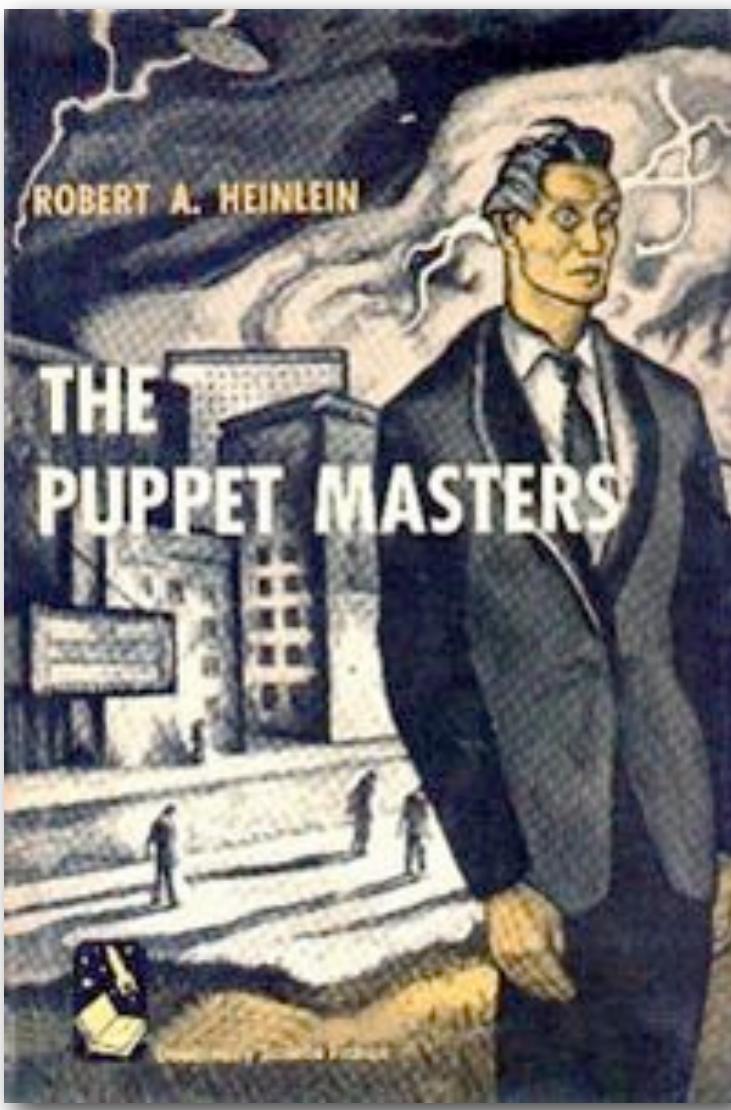
SAGE

Semi-Automatic Ground
Environment, ab 1952

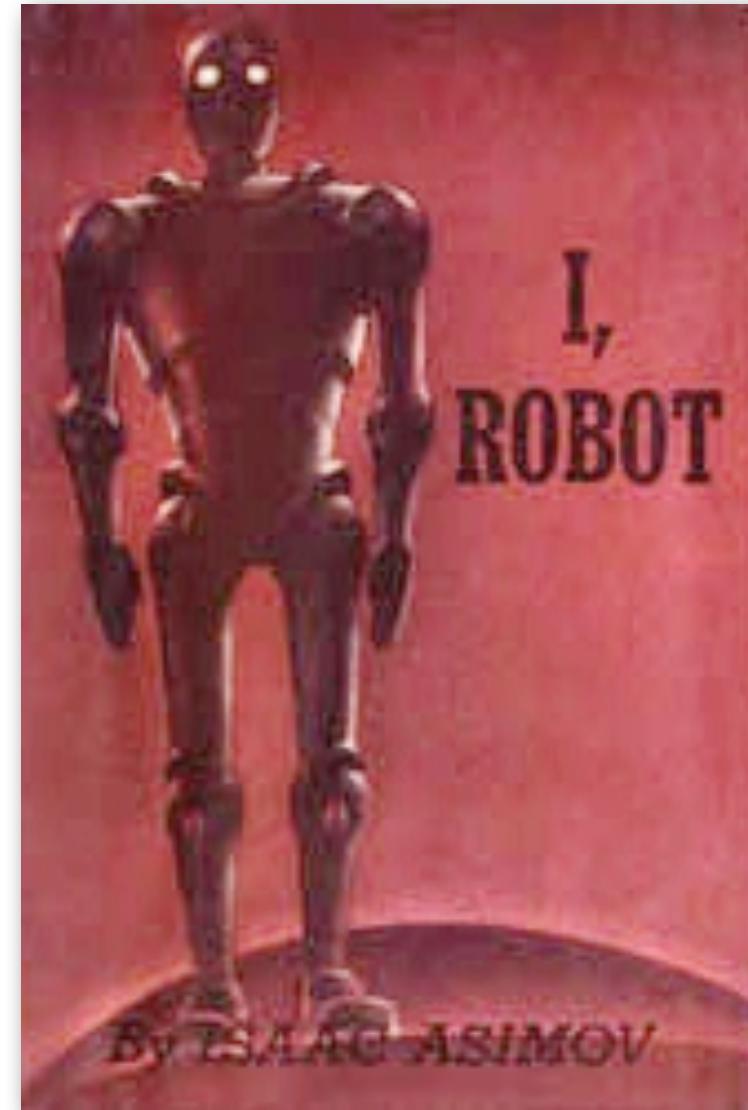




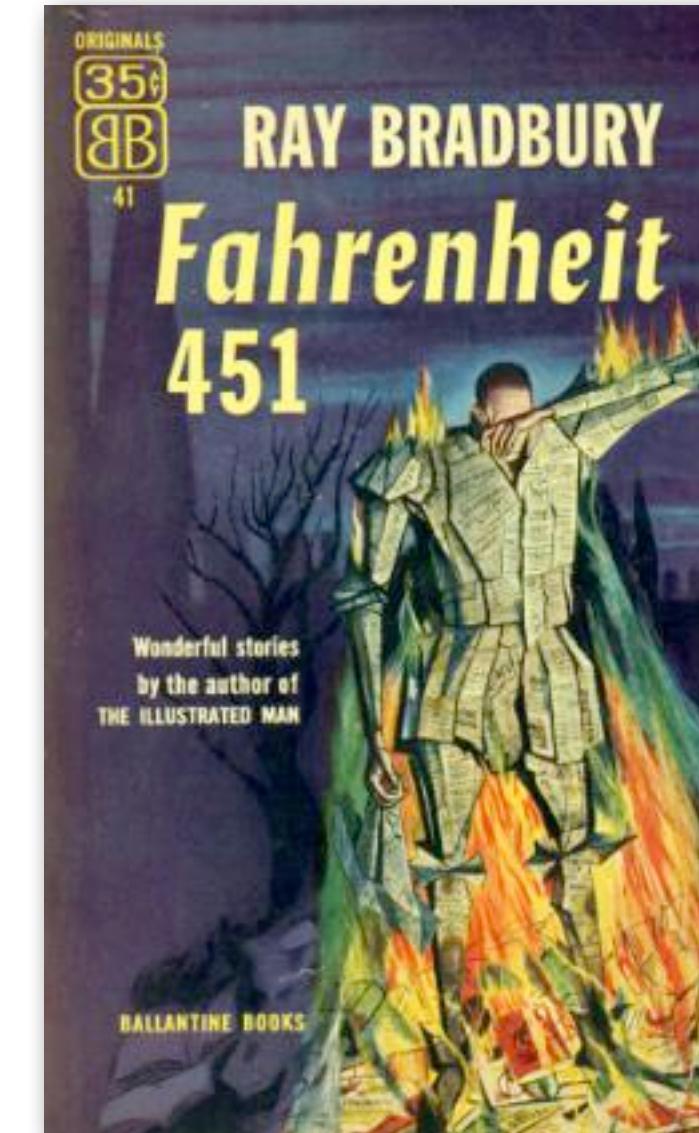
Golden Age of Science Fiction



1950



1951



1953

Science Fiction in der McCarthy-Ära



Earth vs. the Flying Saucers

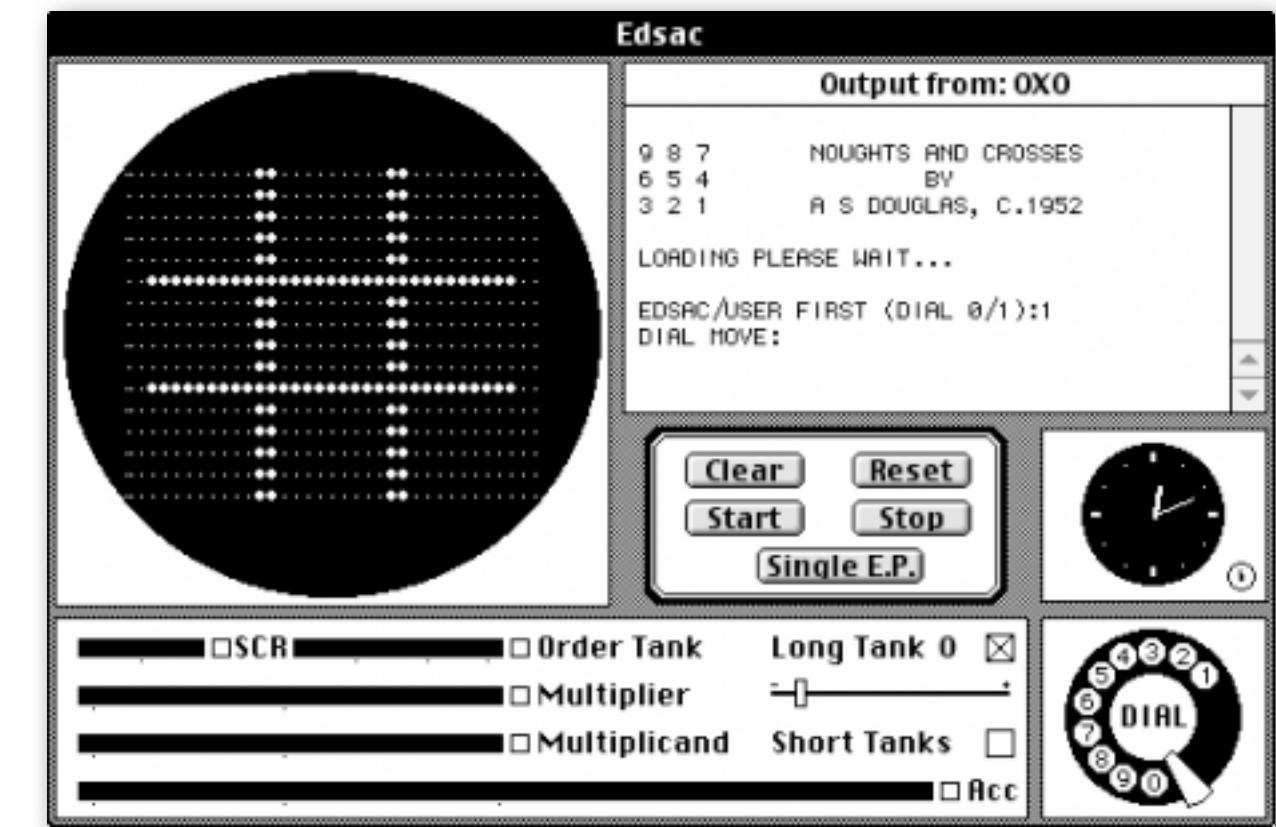
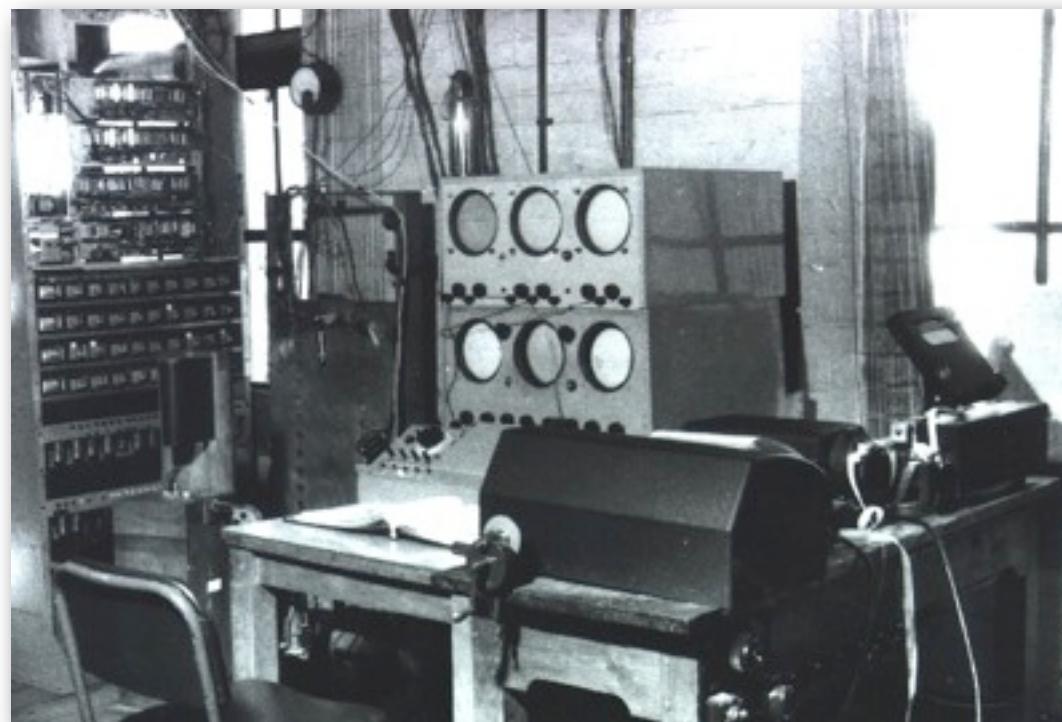


Nimrod



Ferranti, 1951

Noughts and Crosses (OXO)



Alexander Sandy Douglas,
1952 EDSAC



Manga



Osamu Tezuka: Astro Boy
ab 1952



Godzilla, 1954

THE
FELLOWSHIP
OF THE RING



J. R. R. TOLKIEN

1954

THE TWO
TOWERS

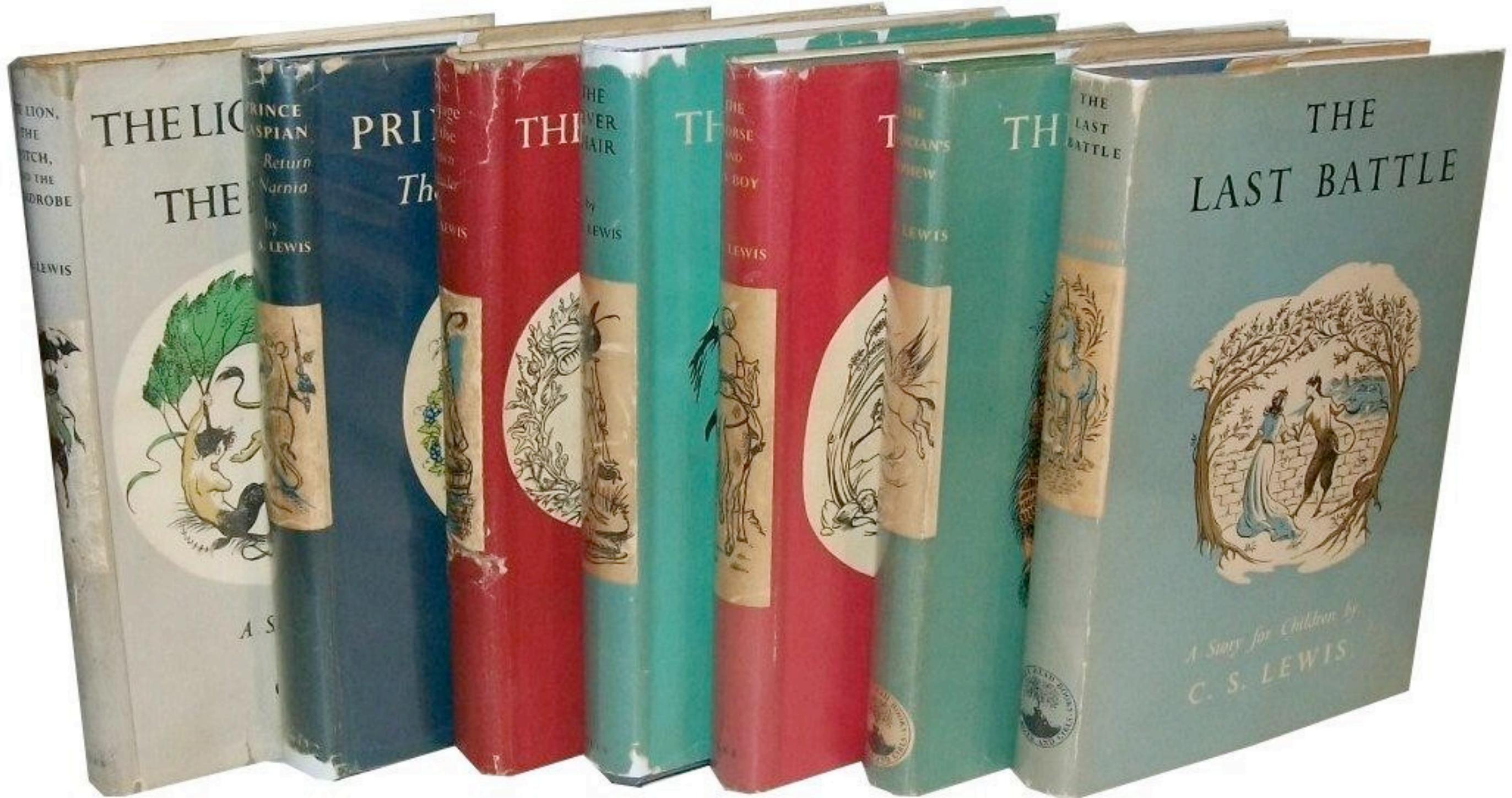


J. R. R. TOLKIEN

THE
RETURN OF
THE KING



J. R. R. TOLKIEN



C. S. Lewis: *Chronicles of Narnia*, 1949-54

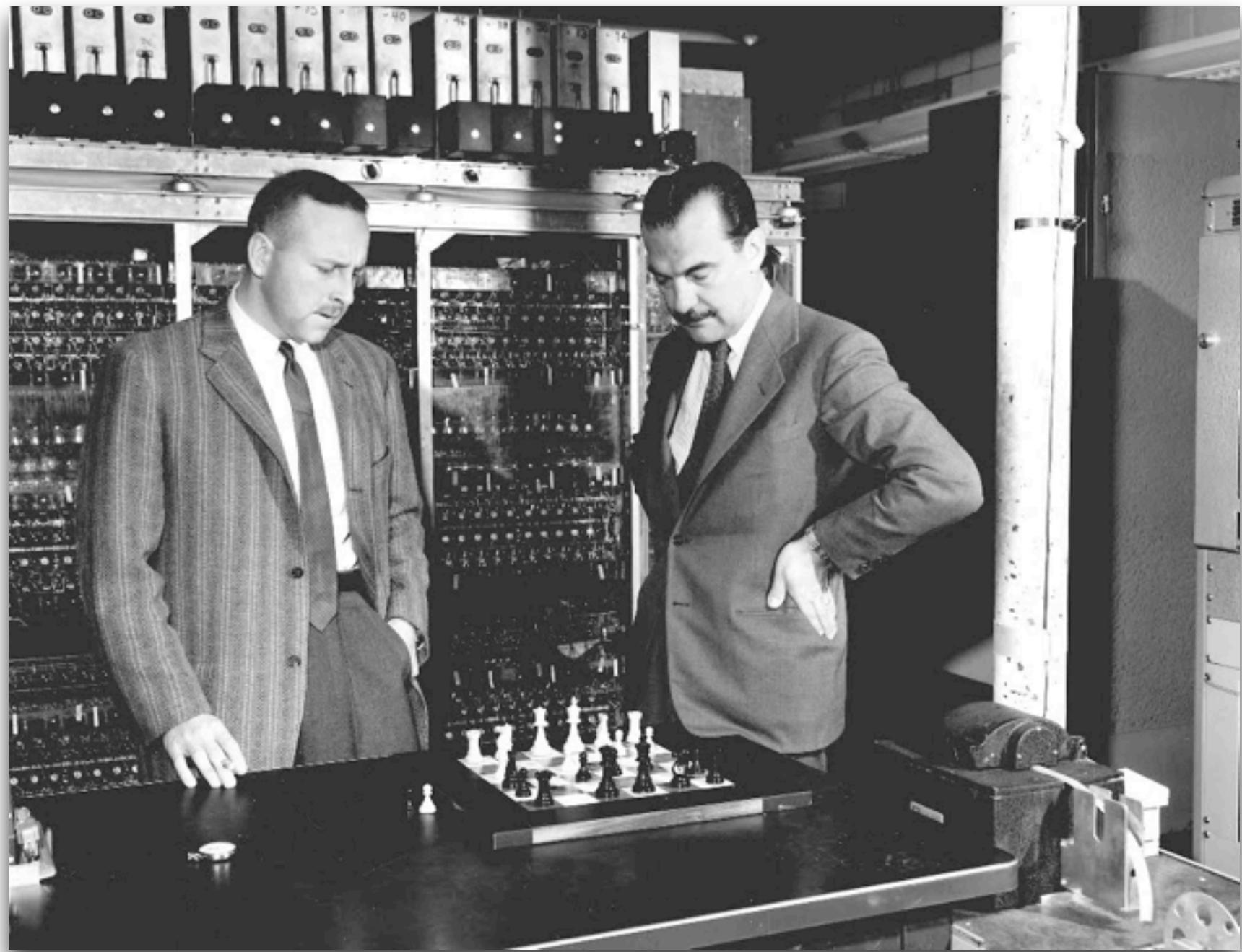
Checkers (Dame)



On February 24, 1956, Arthur Samuel's Checkers program, which was developed for play on the IBM 701, was demonstrated to the public on television. In 1962, self-proclaimed checkers master Robert Nealey played the game on an IBM 7094 computer. The computer won. Other games resulted in losses for the Samuel Checkers program, but it is still considered a milestone for artificial intelligence, and offered the public in the early 1960s an example of the capabilities of an electronic computer.

<http://www-03.ibm.com/ibm/history/ibm100/us/en/icons/ibm700series/impacts/>

Schachprogramme



Los Alamos Chess, 1956

<http://chessprogramming.wikispaces.com/MANIAC+I>

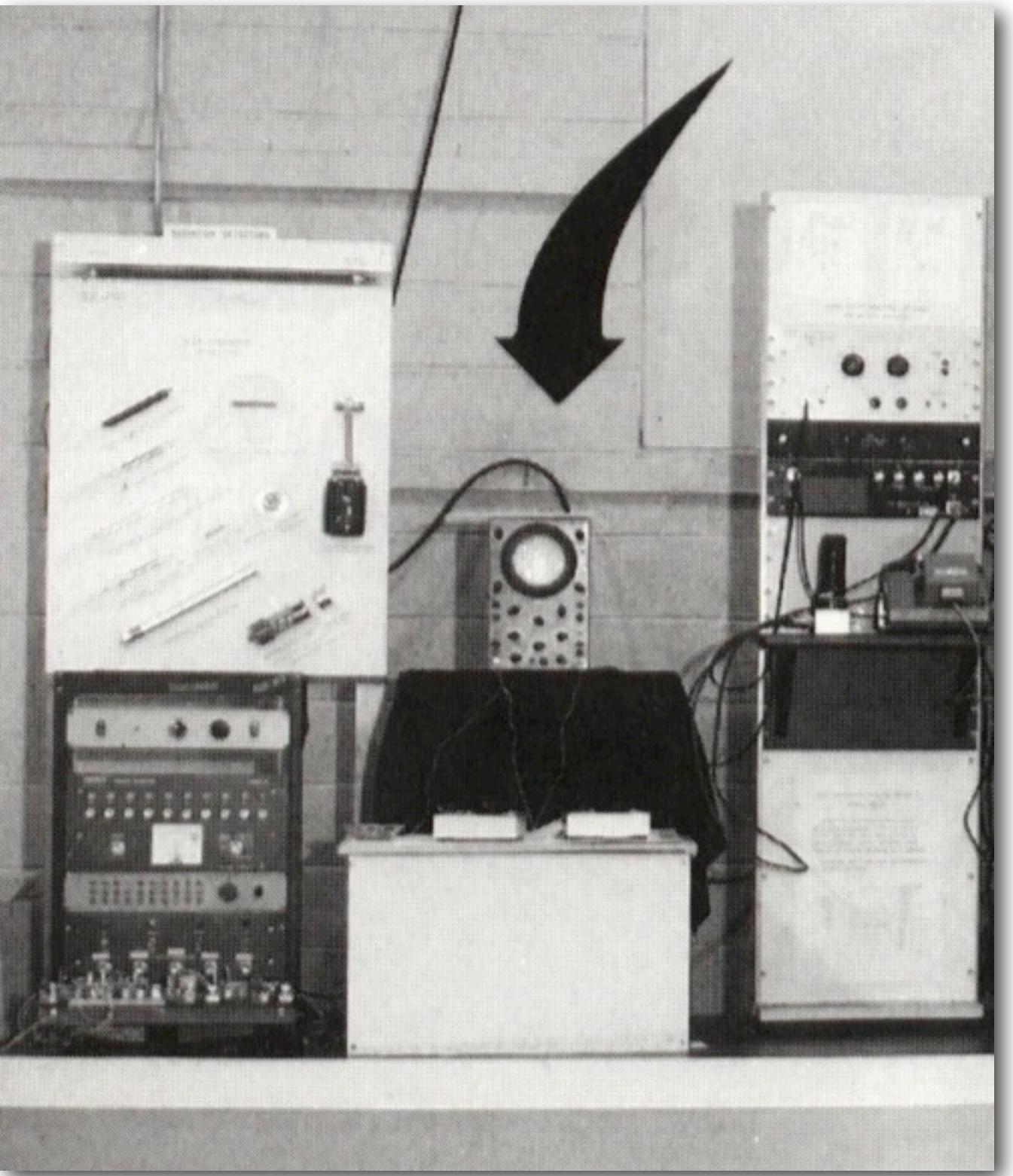


Bernstein Chess Program, 1957

<http://chessprogramming.wikispaces.com/The+Bernstein+Chess+Program>

Der Sputnik-Schock, 1957





Tennis for Two :: 1958



William A. Higinbotham & Robert V. Dvorak, 1958