

# Geschichte und Ästhetik der audiovisuellen und digitalen Medien II

1945-1960

Prof. Dr. Jochen Koubek



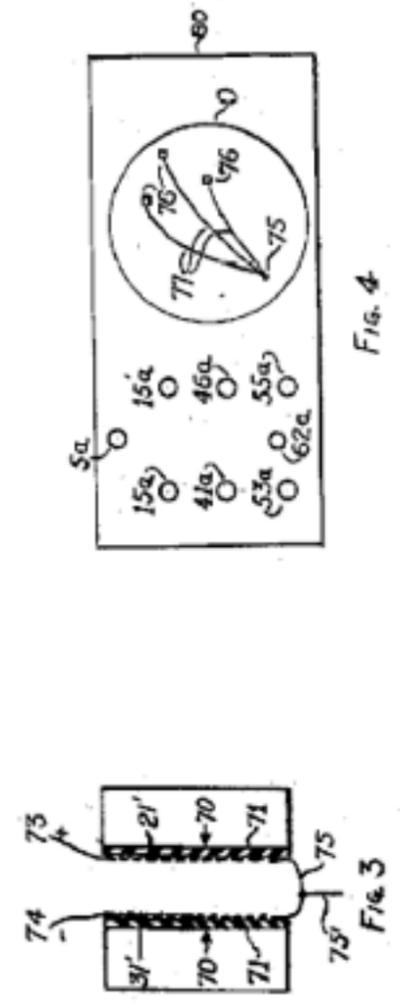
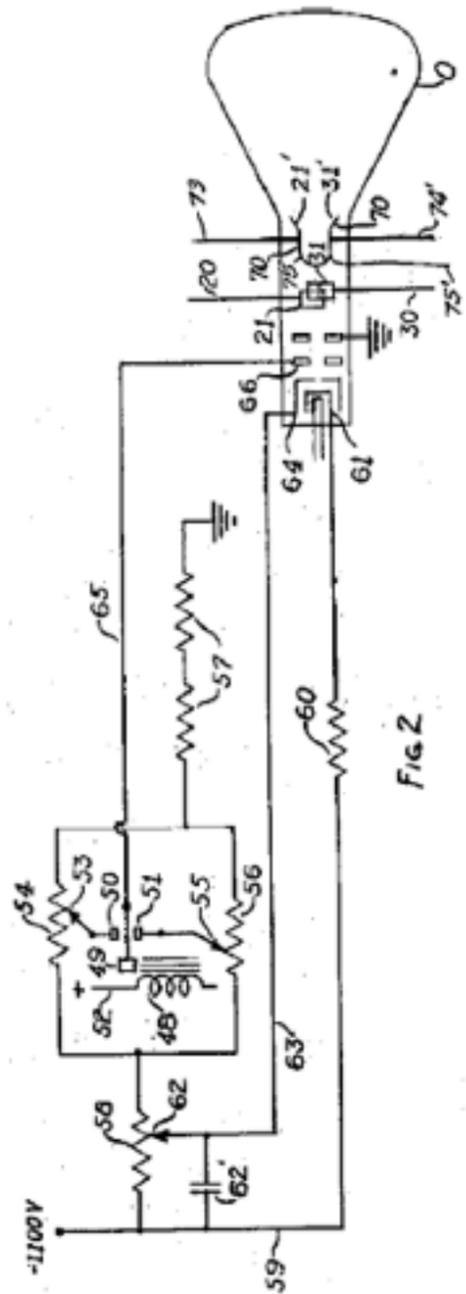
# A Machine for Playing the Game NIM



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

Raymond Redheffer, 1942 MIT

# Cathode Ray Tube Amusement Device

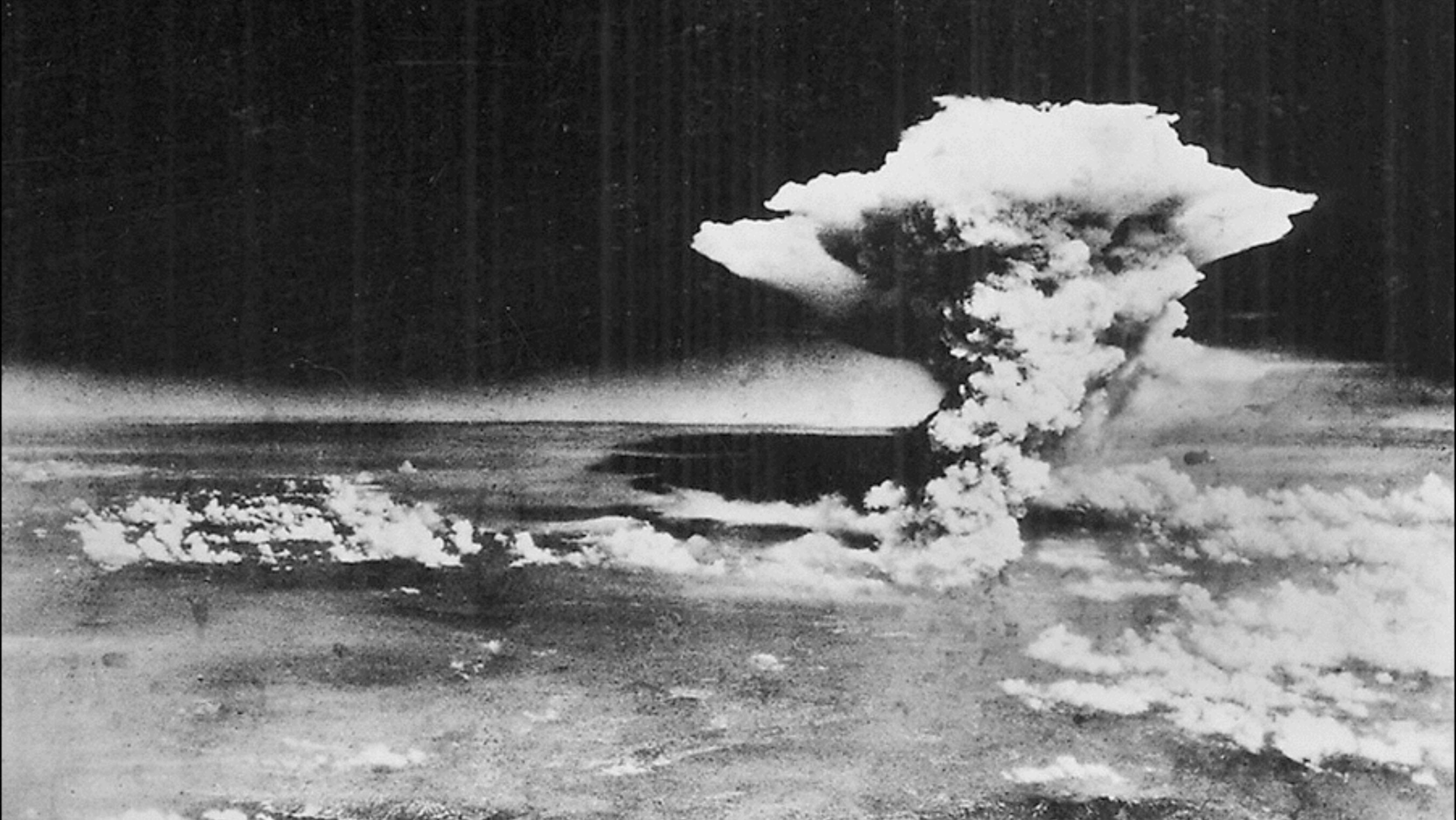


Thomas S. Goldsmith Jr.  
Estle Ray Mann, INVENTORS

BY  
Charles W. Mortimer

»The object of the game is for the player to adjust the controls within a specified predetermined interval of time so that one of the parabolic traces of the beam will start from the gunner's position and hit a selected target or airplane and explode on the selected target.«

T. T. Goldsmith Jr.; Estle Ray Mann, 1947



Arthur W. Burk

First Draft of a Report  
on the EDVAC

by

John von Neumann

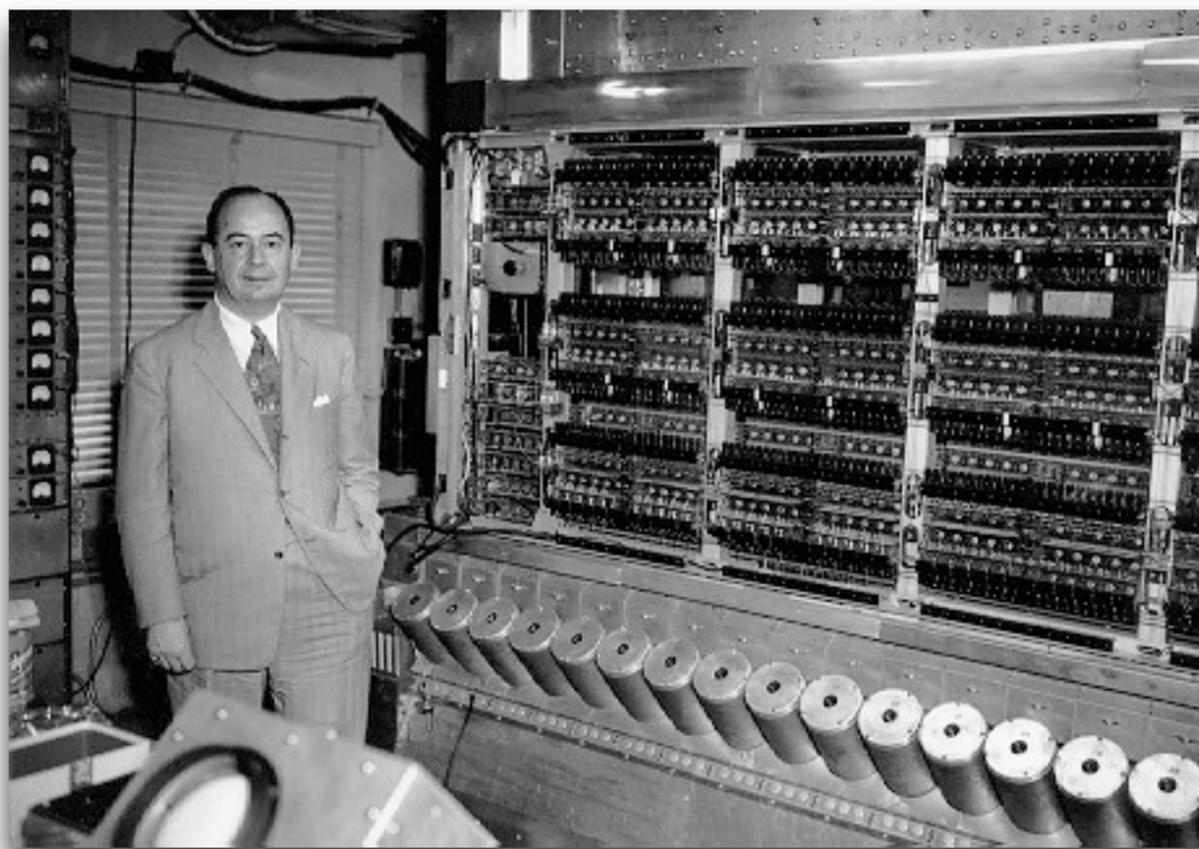
Contract No. W-670-ORD-4926

Between the  
United States Army Ordnance Department  
and the  
University of Pennsylvania

Moore School of Electrical Engineering  
University of Pennsylvania

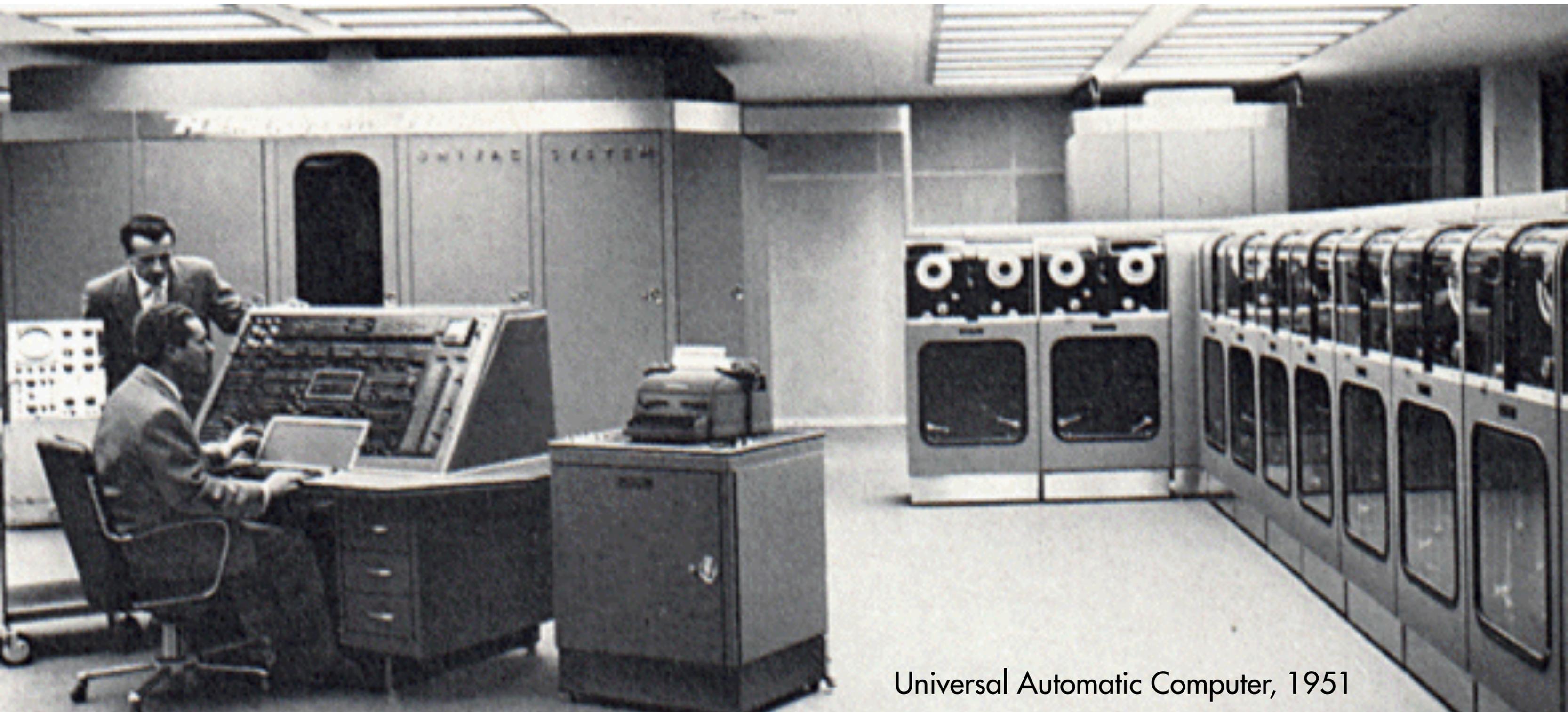
June 30, 1945

# EDVAC



John v. Neumann

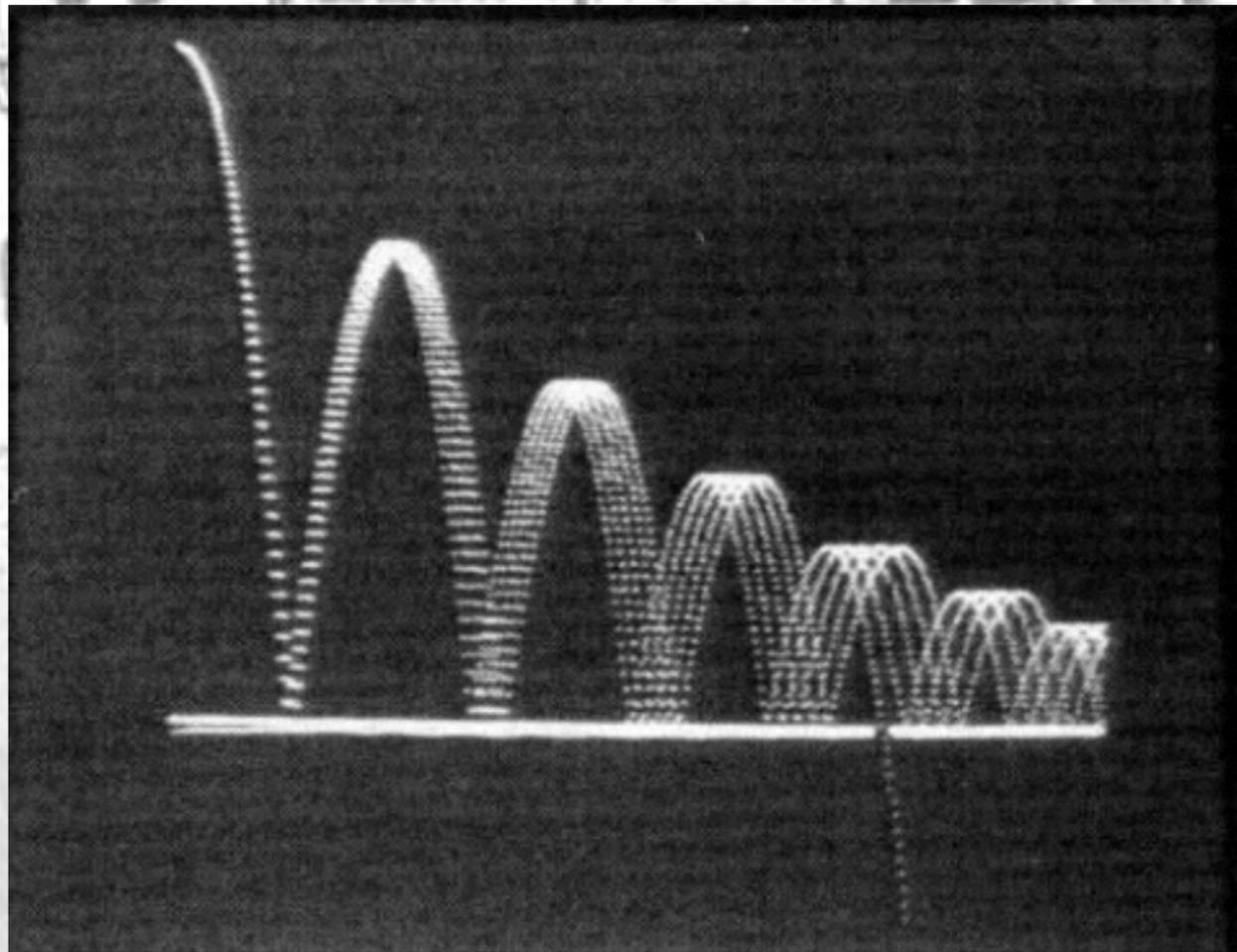
# UNIVAC



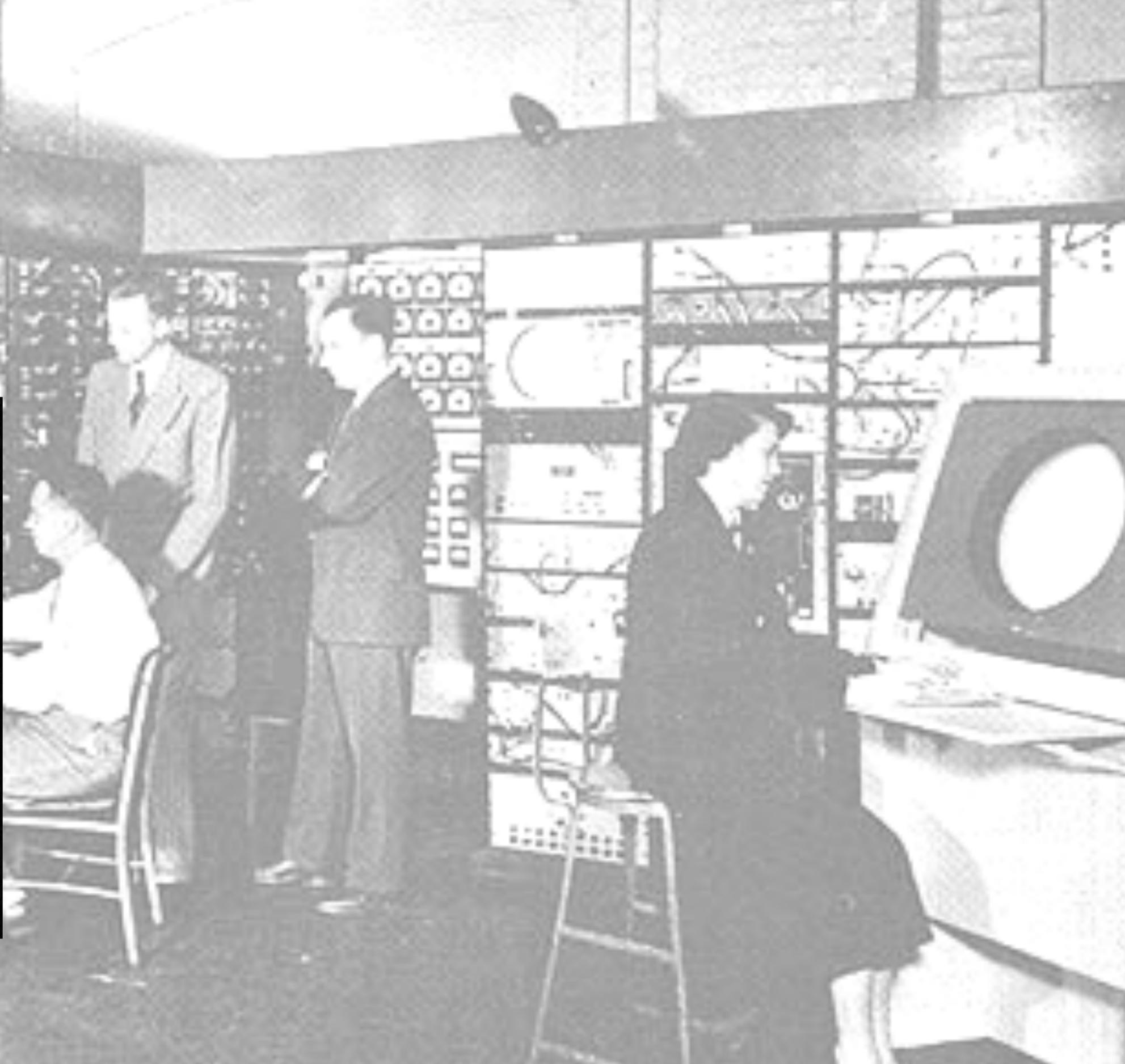
Universal Automatic Computer, 1951

# Whirlwind

1945-1952



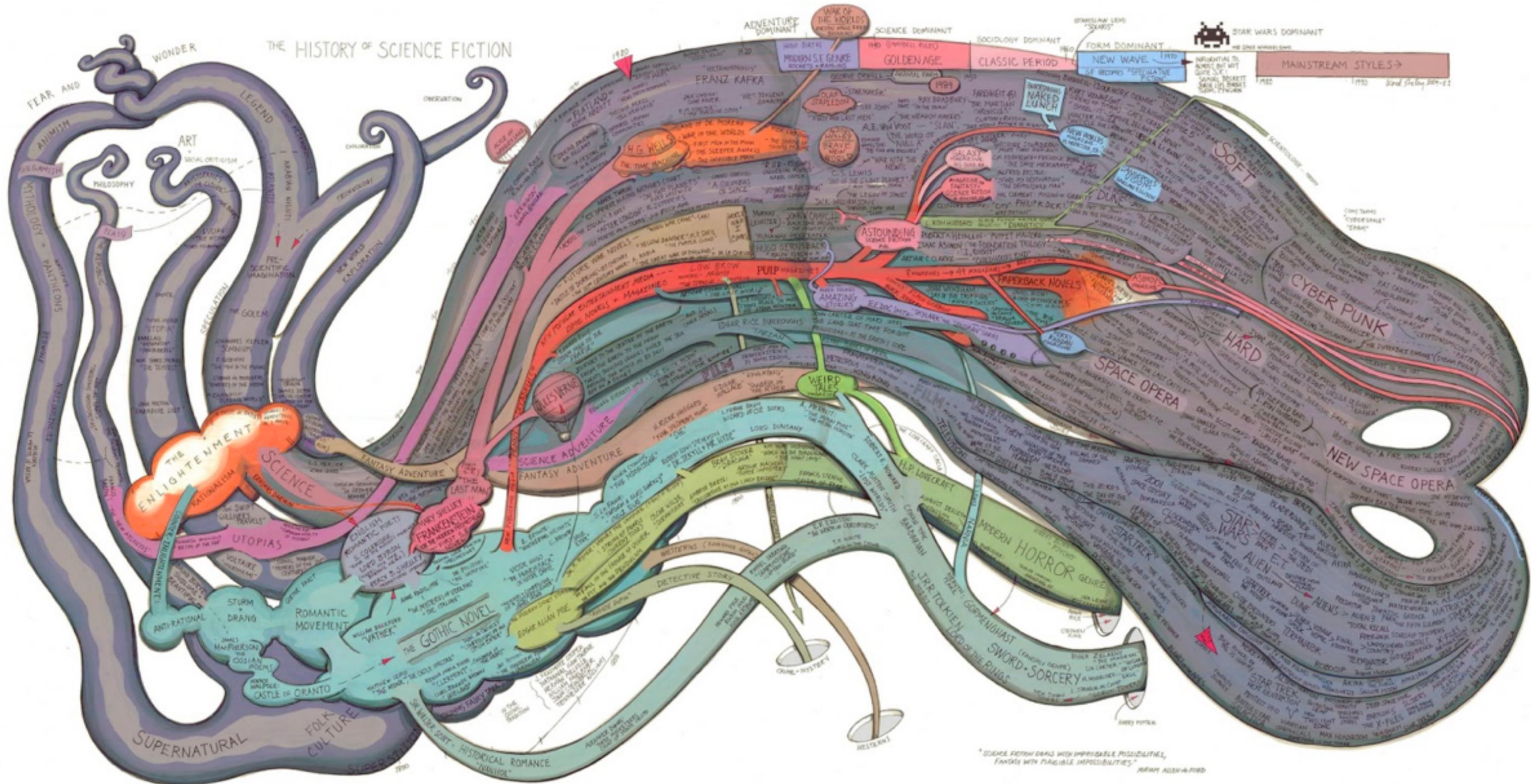
Adams; Gilmore: Bouncing Ball 1949



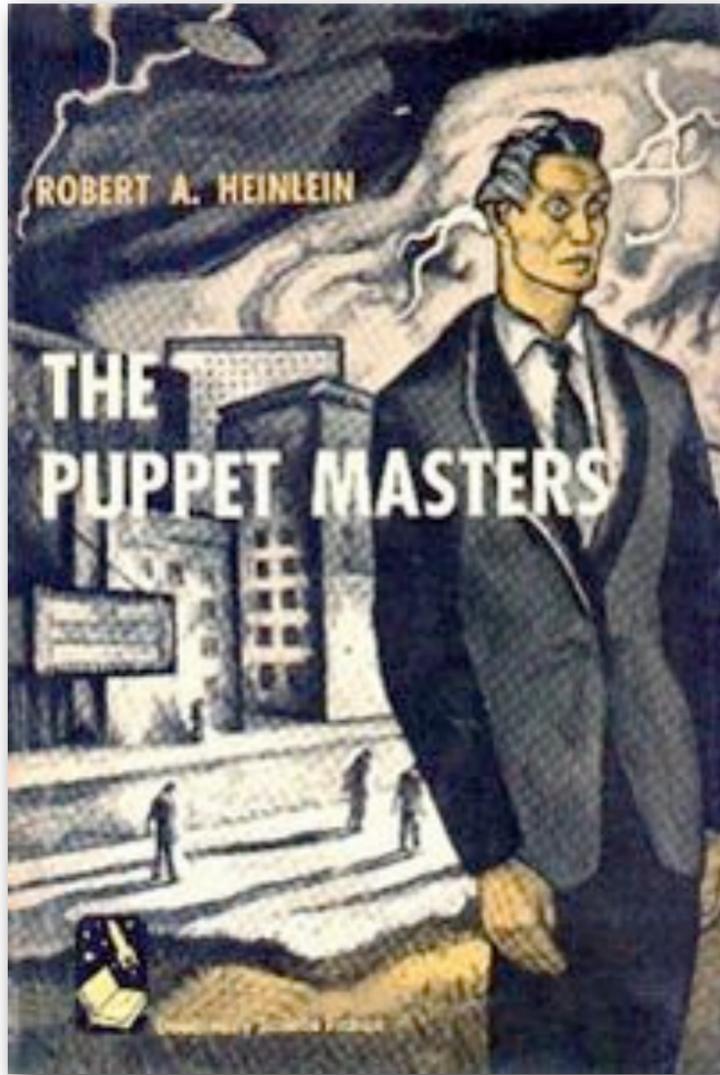
# SAGE

Semi-Automatic Ground  
Environment, ab 1952

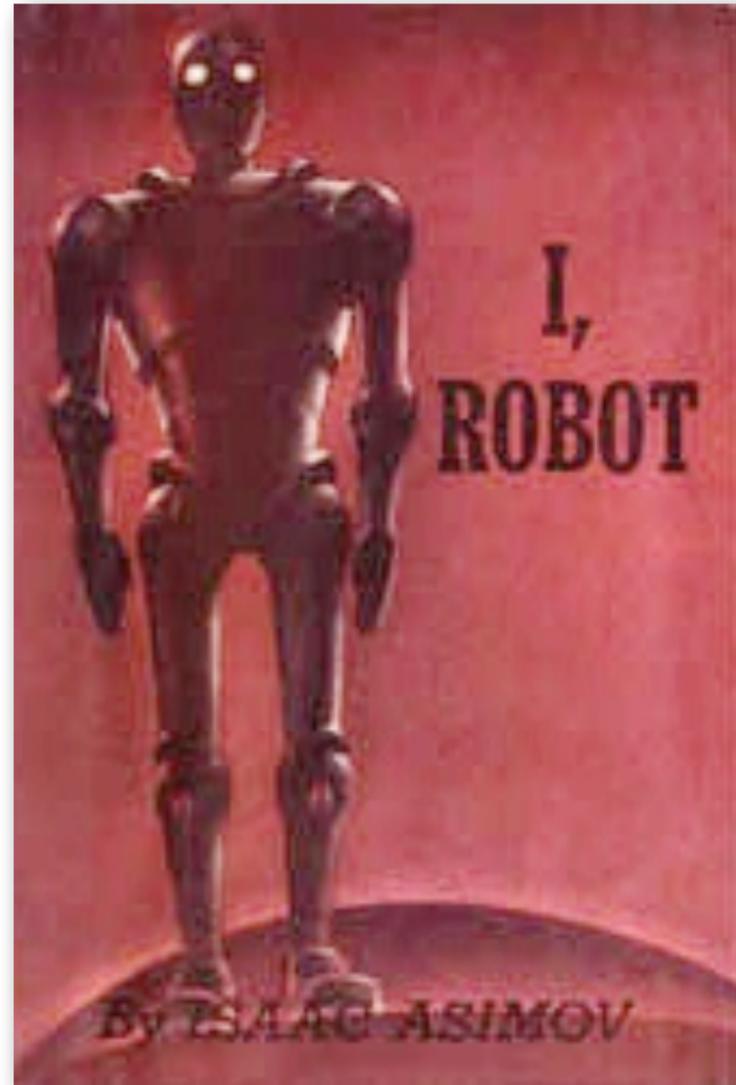




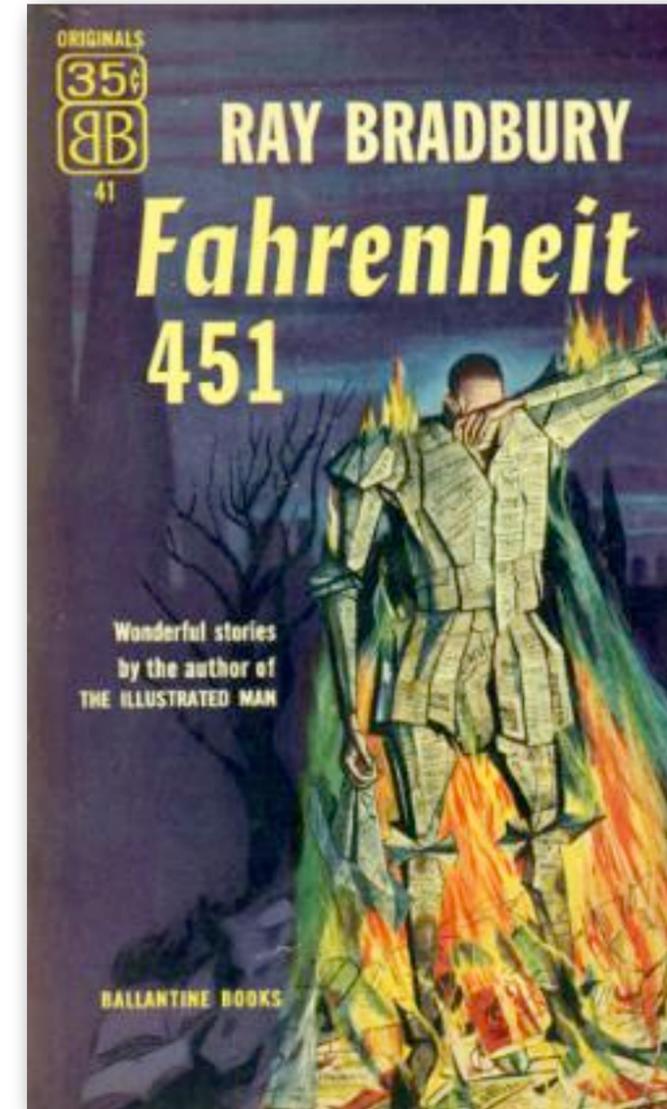
# Golden Age of Science Fiction



1950



1951



1953

# Science Fiction in der McCarthy-Ära



Earth vs. the Flying Saucers

WANGER CREATES THE ULTIMATE IN SCIENCE-FICTION!

FROM THE BLACK LAGOONS

THE MAN WITH THE X EYES

THE WILDS

H.G. WELLS' THE TIME MACHINE

TECHNICOLOR

INVASION BO

A FASCINATING ADVENTURE INTO THE UNKNOWN!



THE INCREDIBLE SHRINKING MAN

GRANT WILLIAMS · RANDY STUART  
APRIL KENT · PAUL LANGTON · RAYMOND BAILEY  
JACK ARNOLD · RICHARD MATHESON · ALBERT ZUGSMITH

UNSPEAKABLE HORRORS FROM OUTER SPACE PARALYZE THE LIVING AND RESURRECT THE DEAD!

PLAN 9 FROM OUTER SPACE



BELA LUGOSI  
VAMPIRA  
LYLE TALBOT  
A. J. Edward Reynolds Production  
Produced and Directed by Edward D. Wood, Jr.

THE SEAS MASTER-BEAST OF THE AGES - RAGING UP FROM THE BOTTOM

The INCREDIBLE becomes Real!  
The IMPOSSIBLE becomes Fact!  
The UNBELIEVABLE becomes True!

THE DAY THE EARTH CAUGHT FIRE

The picture that gives you a front seat to the most jolting events of TOMORROW!



ROD TAYLOR · ALAN YOUNG · VYETTE MONTEUX · SEBASTIAN CABOT · TOM MCANULTY  
Directed by GEORGE PAL



EVER STRIKES! OR 100 FEET HIGH!

FORBIDDEN



THIS ISLAND EARTH

21 YEARS IN THE MAKING

FRANCE



BILL TRAVERS · WILLIAM SYLVESTER  
Francis Walker · Bruce Selton · Joseph O'Carroll · Martin Benson · Barry Keegan · Terra West  
JOHN LORING and DANIEL HYATT · EUGENE LOURIE and  
EUGENE LOURIE · FRANK KING and MAURICE

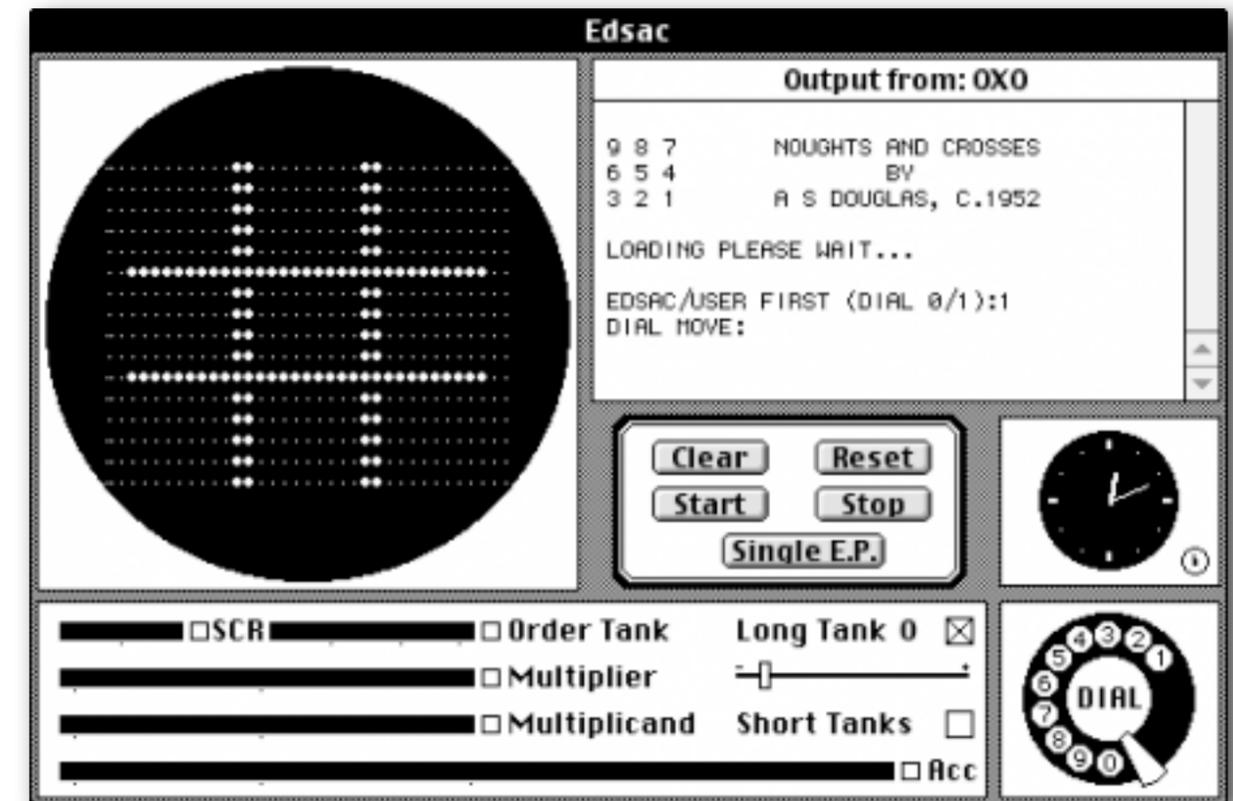
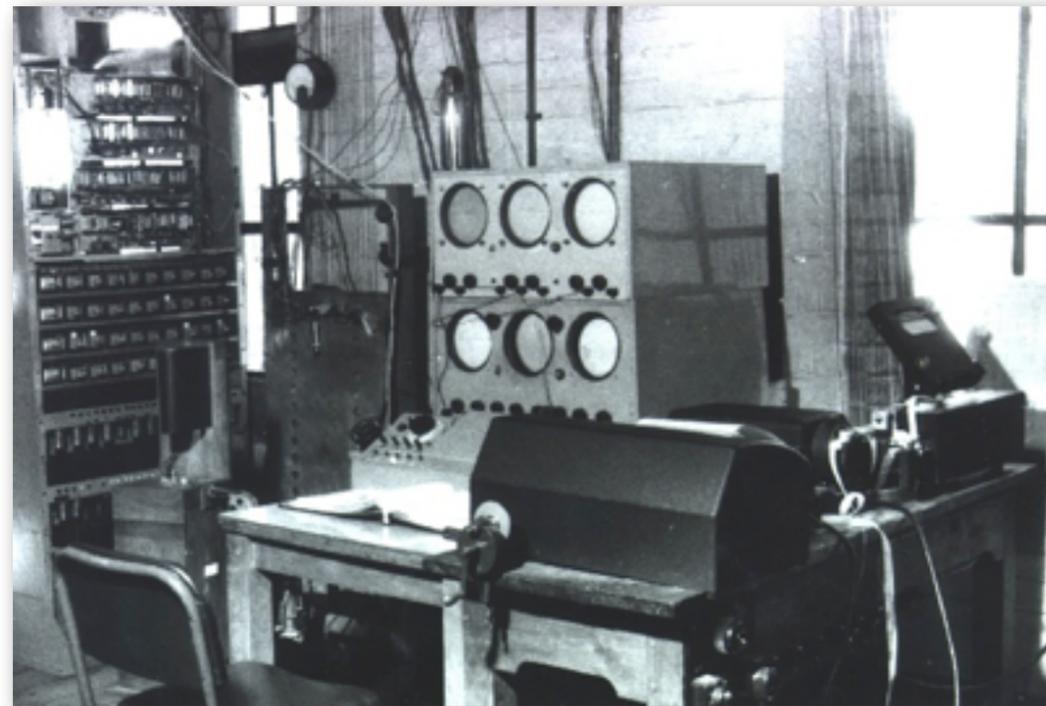
# Nimrod



Ferrati, 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

THE TWO  
TOWERS



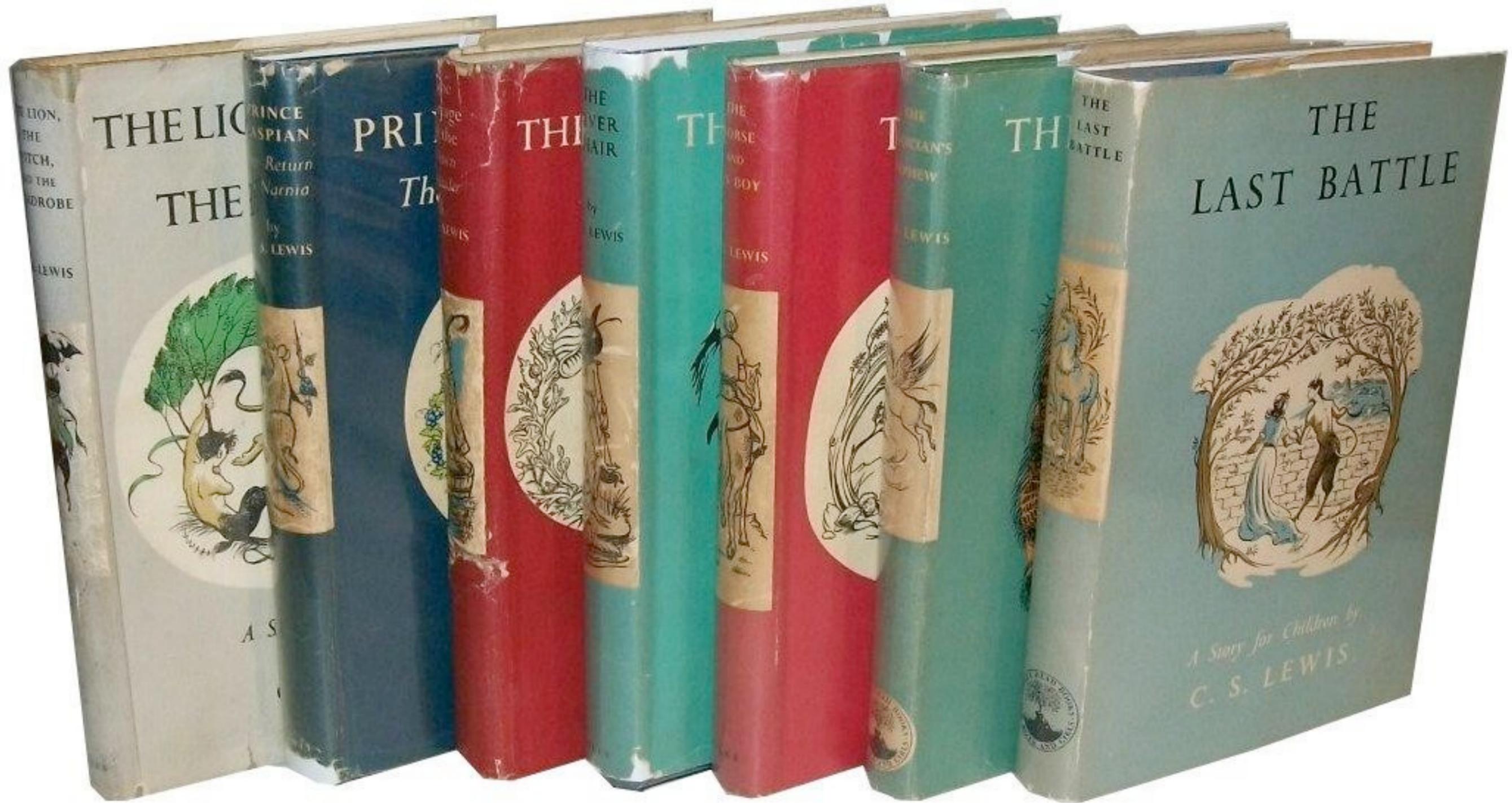
J. R. R. TOLKIEN

THE  
RETURN OF  
THE KING



J. R. R. TOLKIEN

1954/55



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.

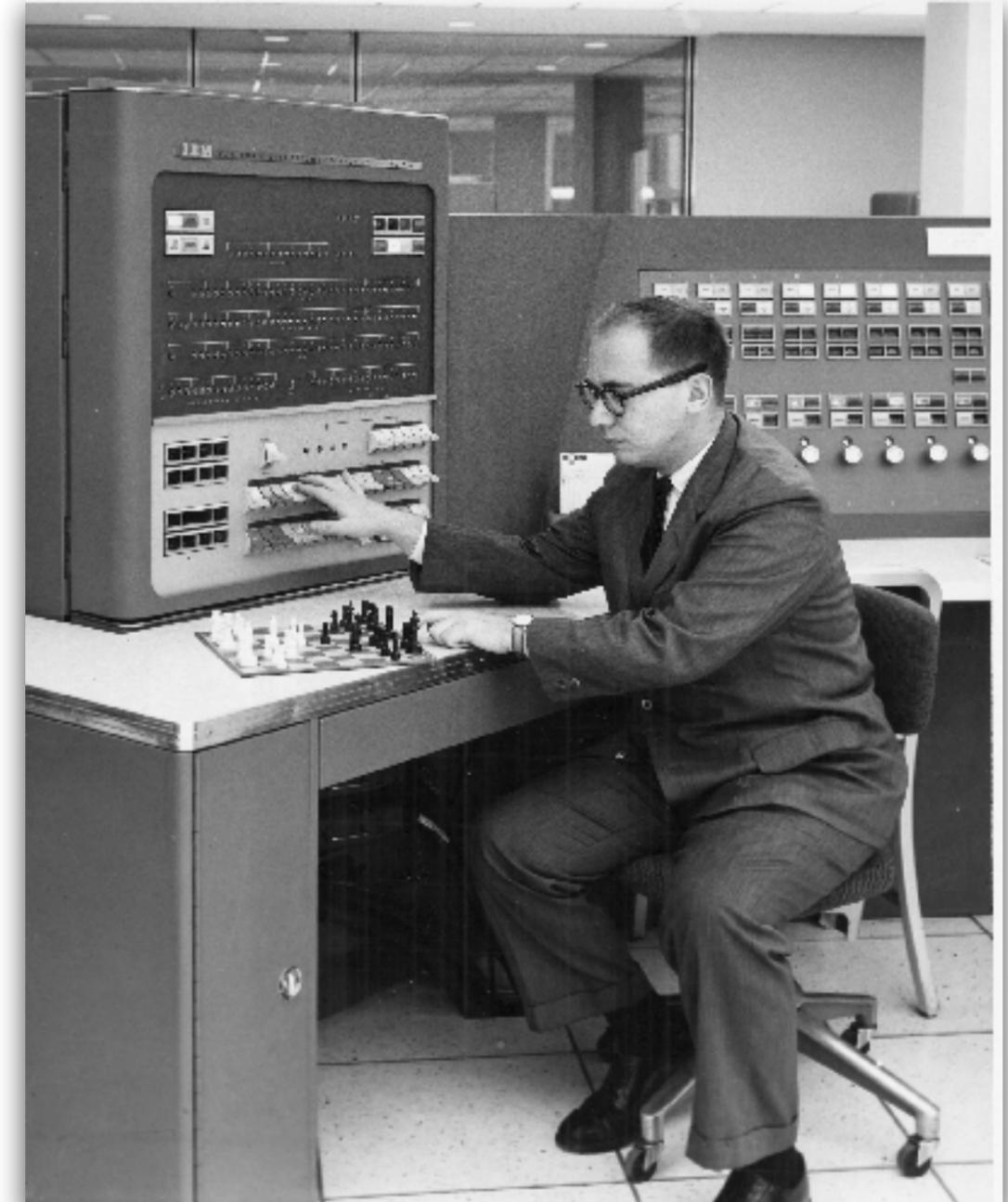
<http://www-03.ibm.com/ibm/history/ibm100/us/en/icons/ibm700series/impacts/>

# Schachprogramme



Los Alamos Chess, 1956

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



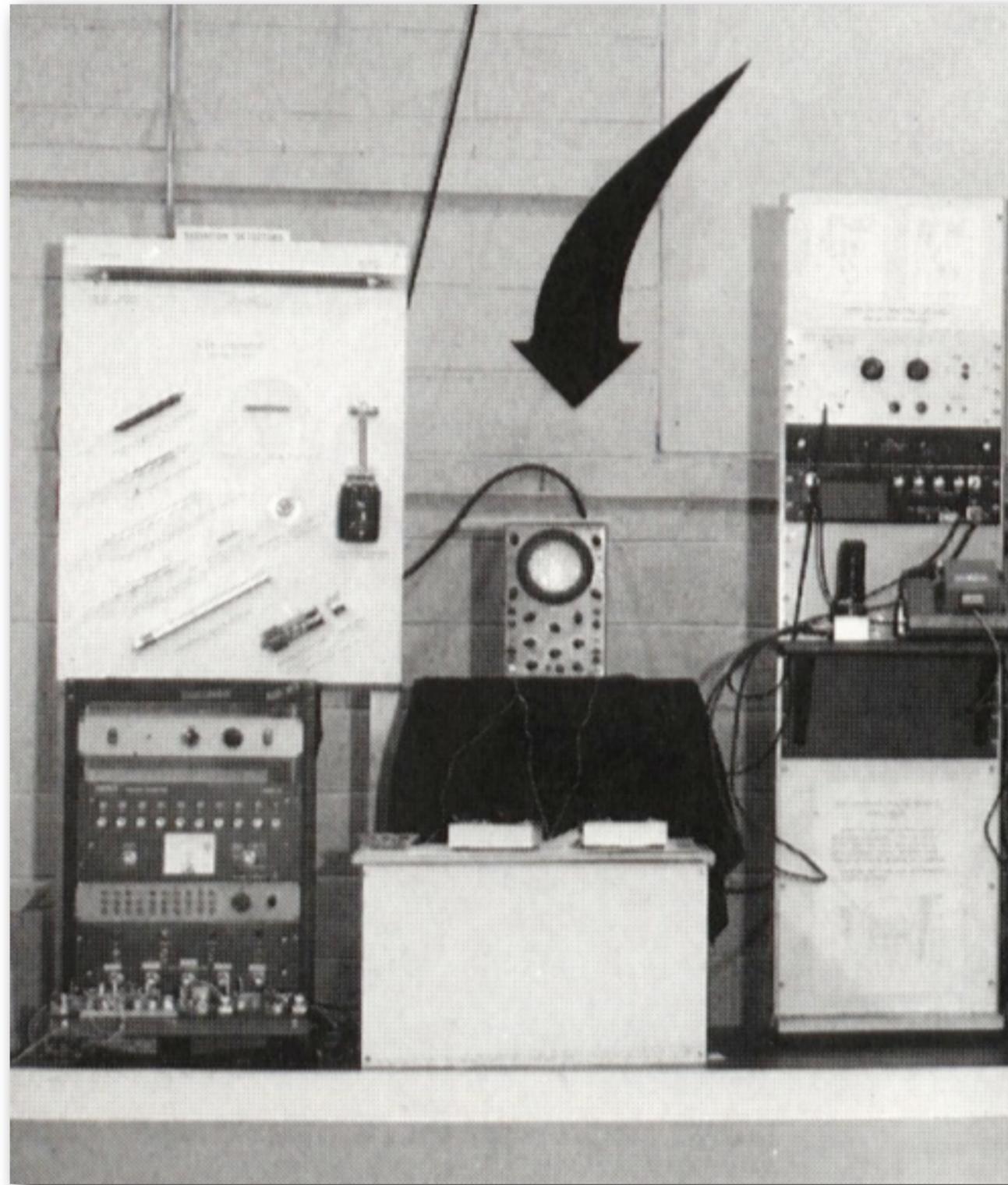
Bernstein Chess Program, 1957

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

# Der Sputnik-Schock, 1957



# Tennis for Two :: 1958



William A. Higinbotham & Robert V. Dvorak, 1958