

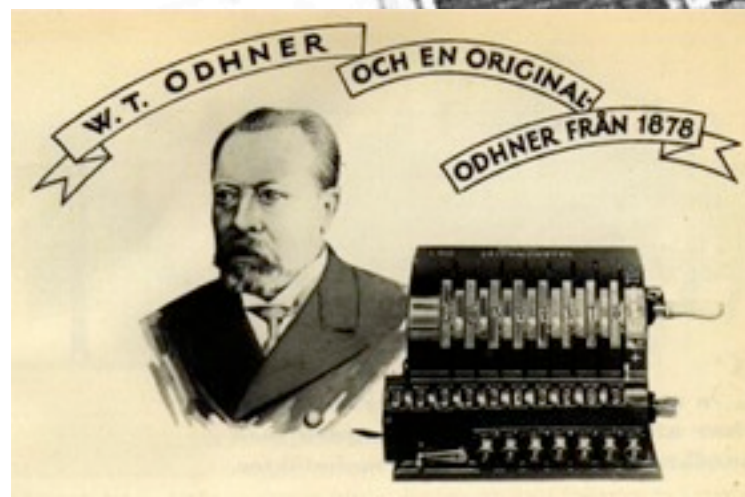
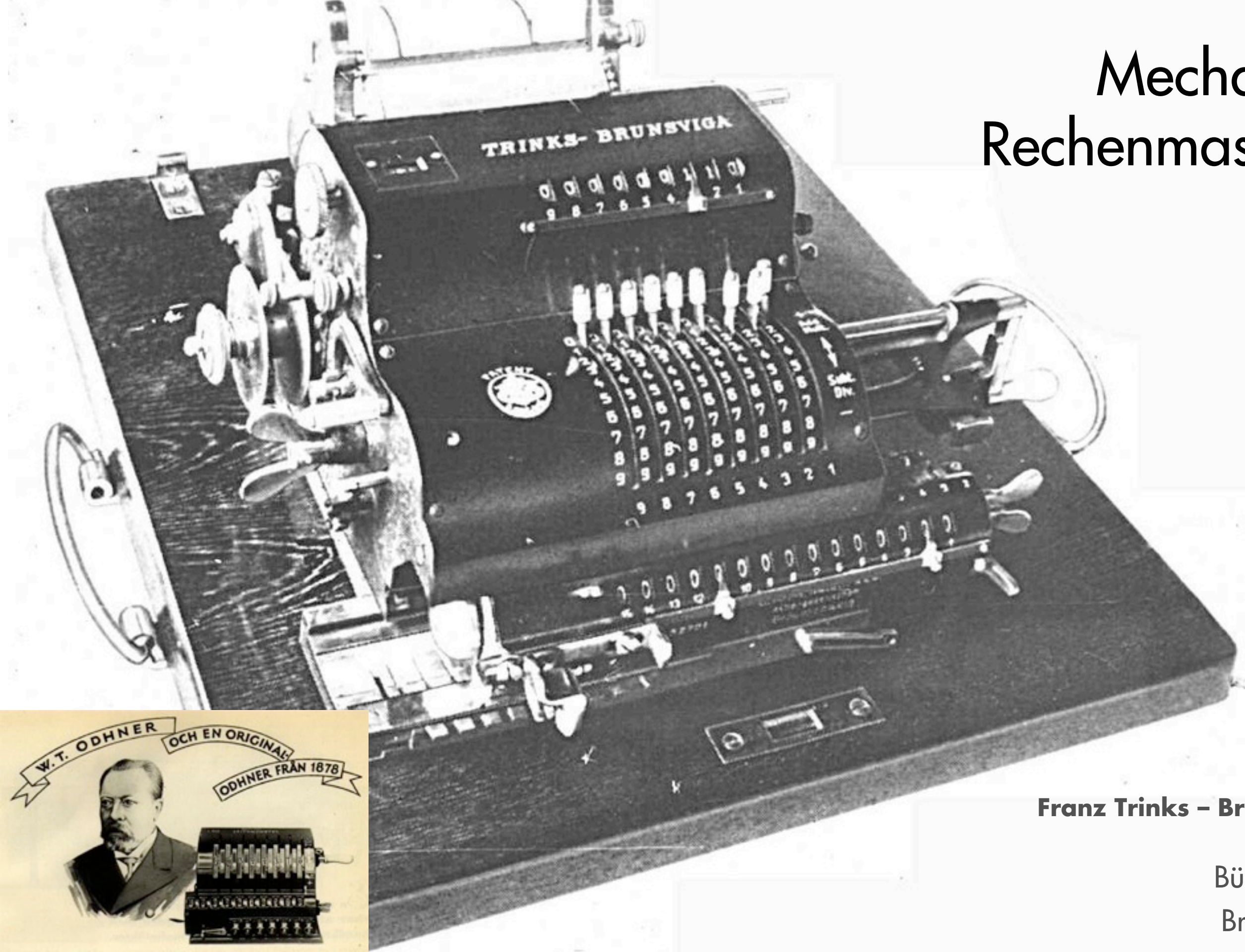
Geschichte und Ästhetik von Film, Fernsehen und Neuen Medien II

02. 1945-1960

Prof. Dr. Jochen Koubek



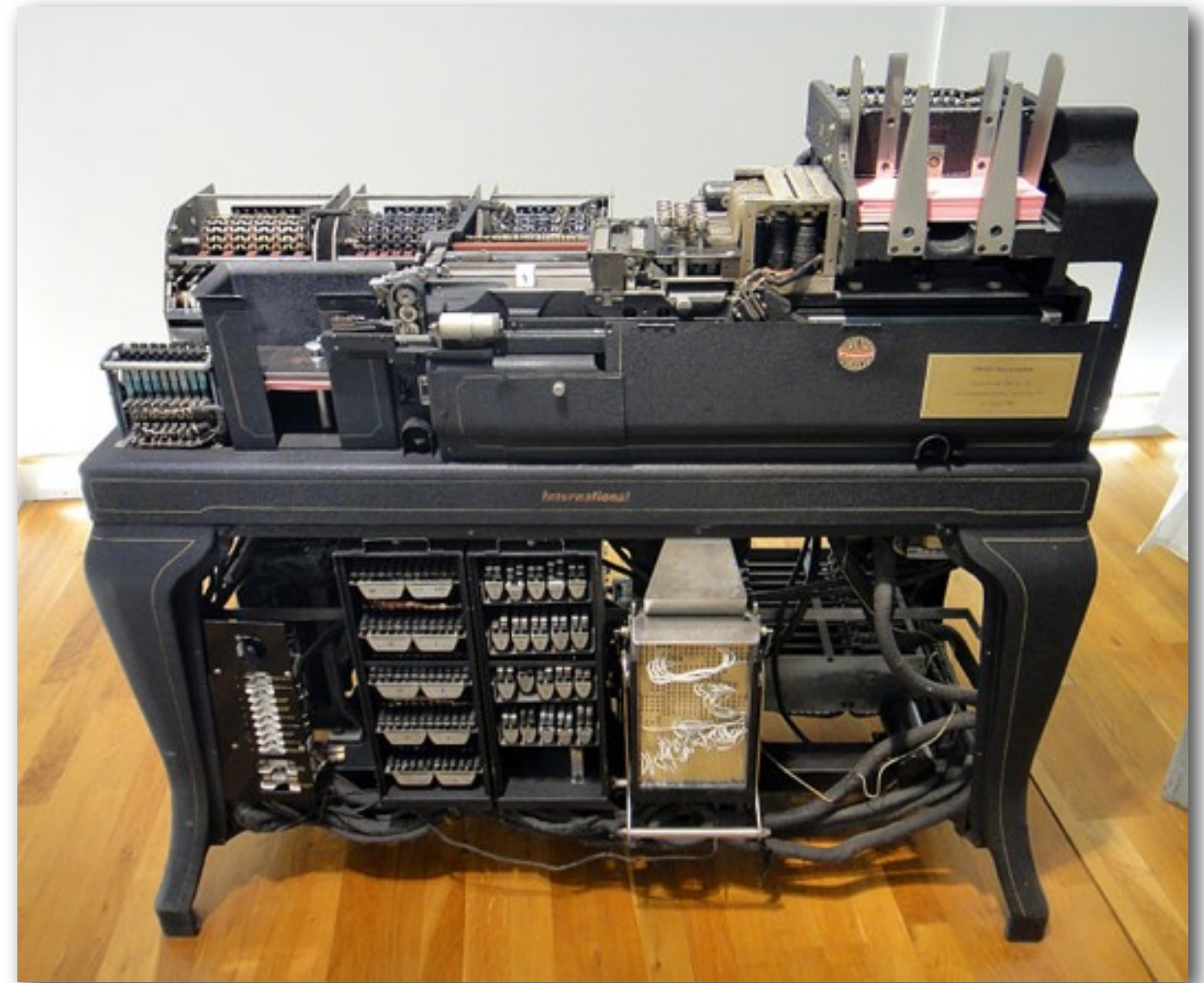
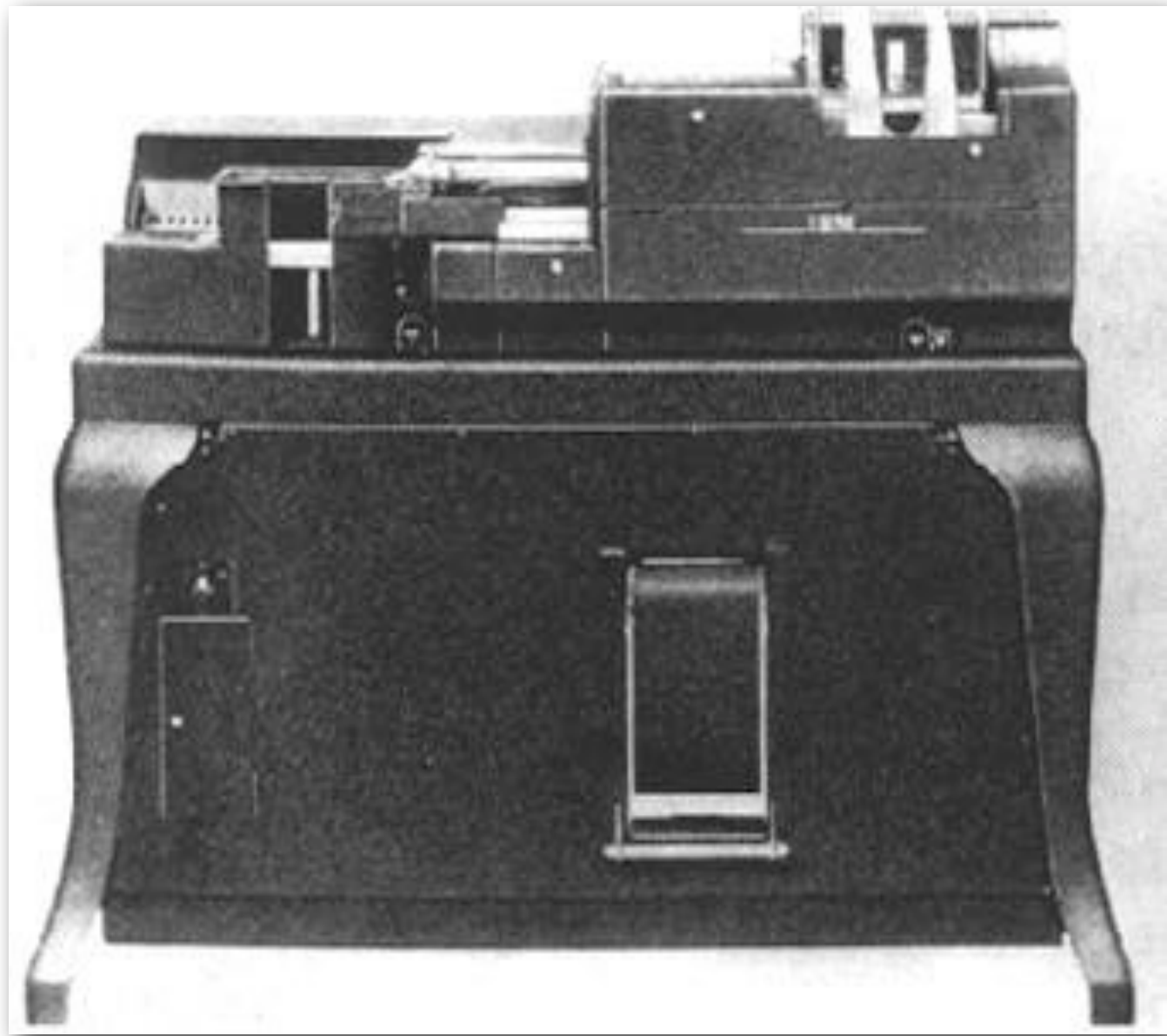
Mechanische Rechenmaschinen



**Franz Trinks - Brunsviga, Grimme,
Natalis & Co.**

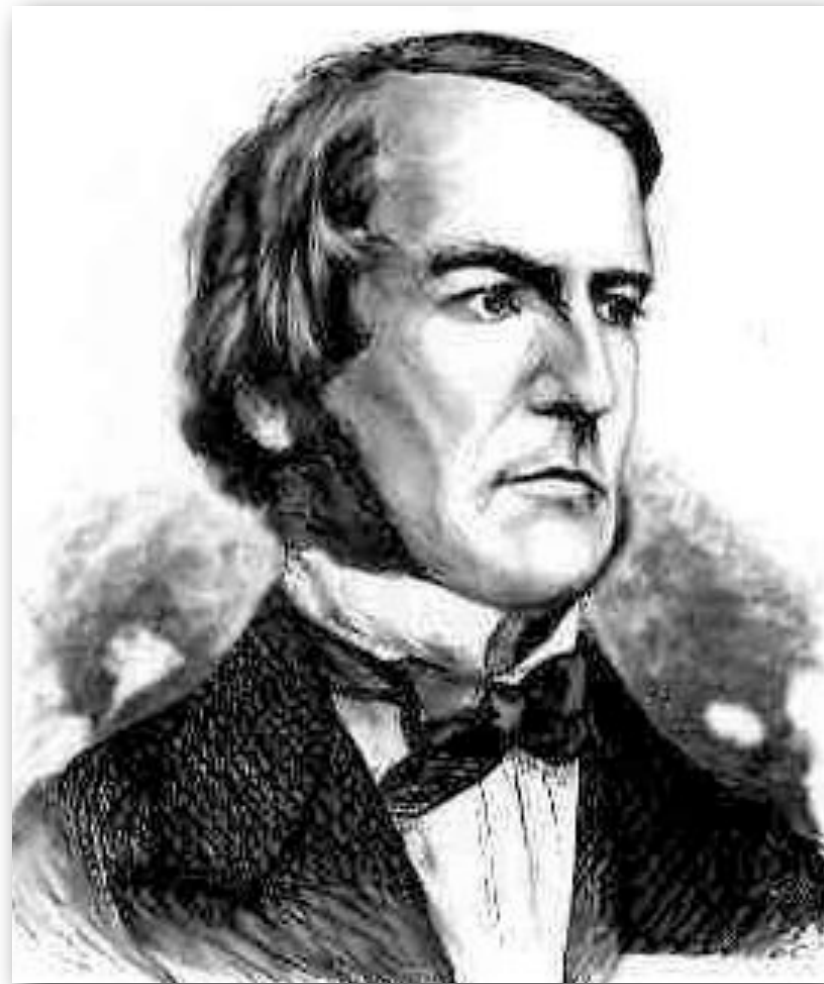
Bürorechenmaschine
Braunschweig 1892

Automatische Rechenmaschinen



IBM 601, Multiplikator auf Lochkartenbasis 1931

Digitaltechnik



George Boole (1815-1864)

The Calculus of Logic, 1848



Claude Shannon (1916-2001)

A Symbolic Analysis of Relay and Switching Circuits, 1937

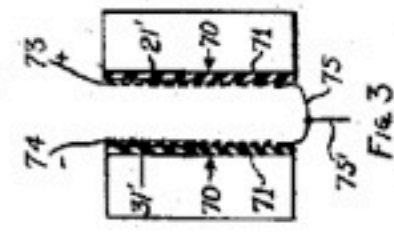
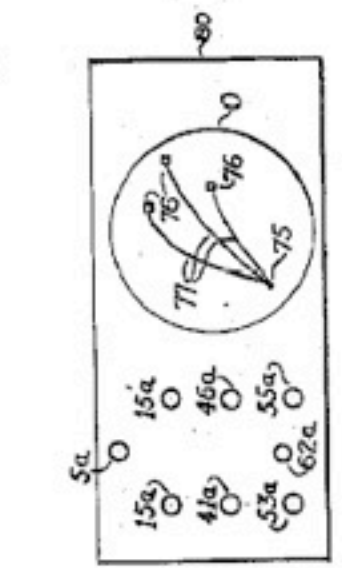
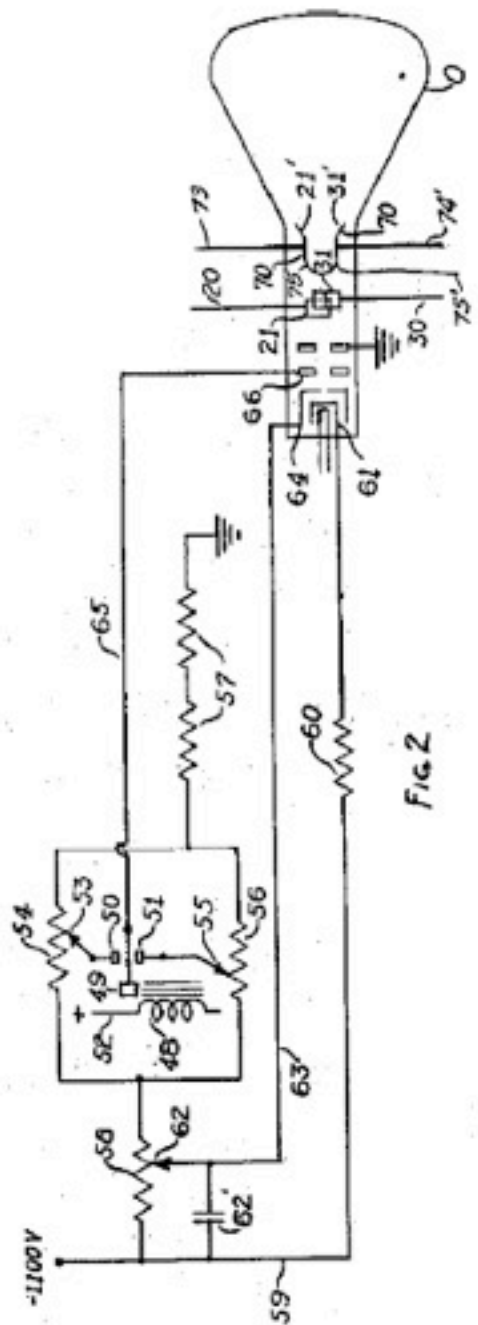
A Machine for Playing the Game NIM



<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

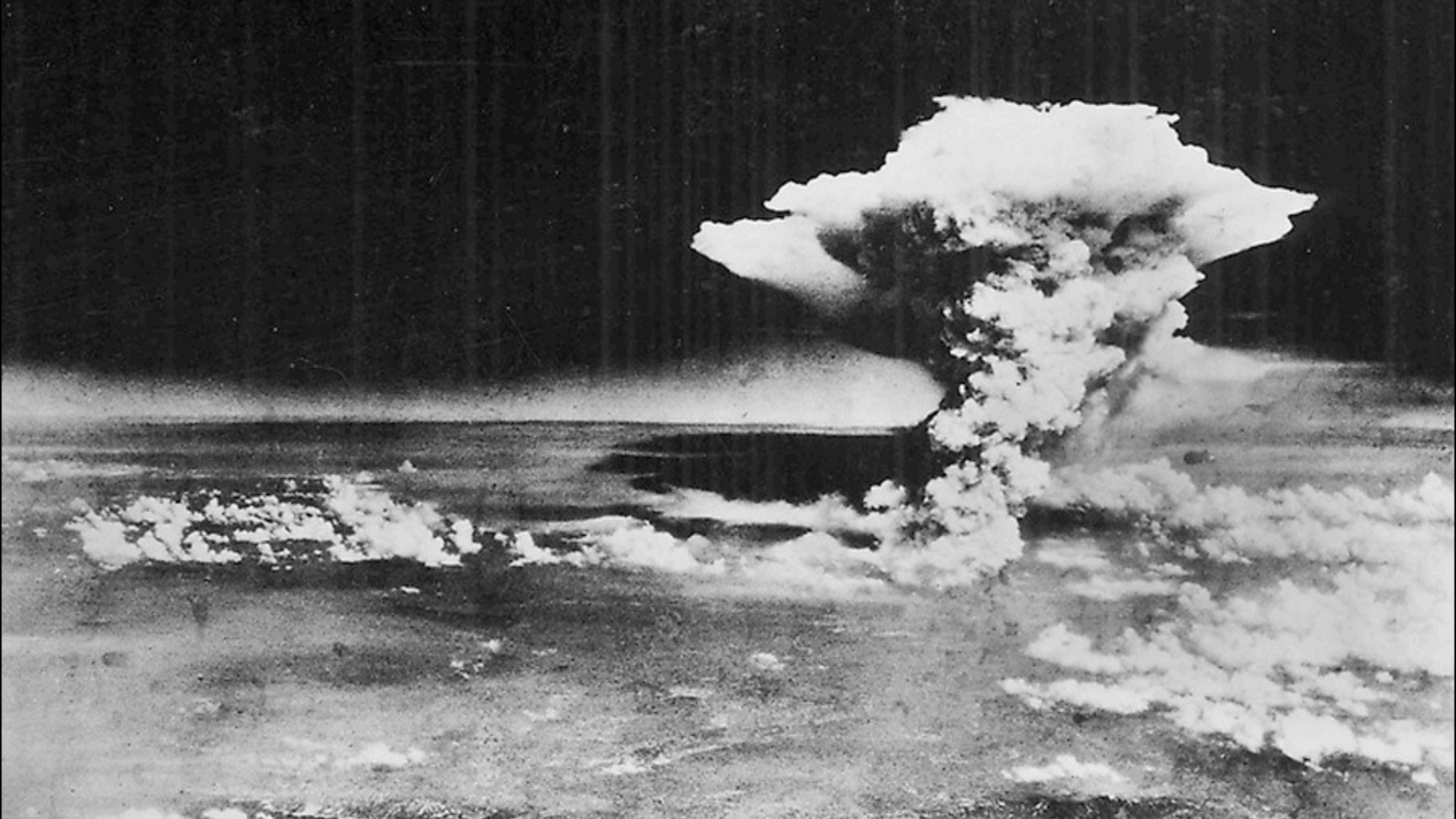
»The object of the game is for the player to adjust the controls within a specified predetermined interval of time so that one of the parabolic traces of the beam will start from the gunner's position and hit a selected target or airplane and explode on the selected target.«

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

Computer und Kriegstechnologie

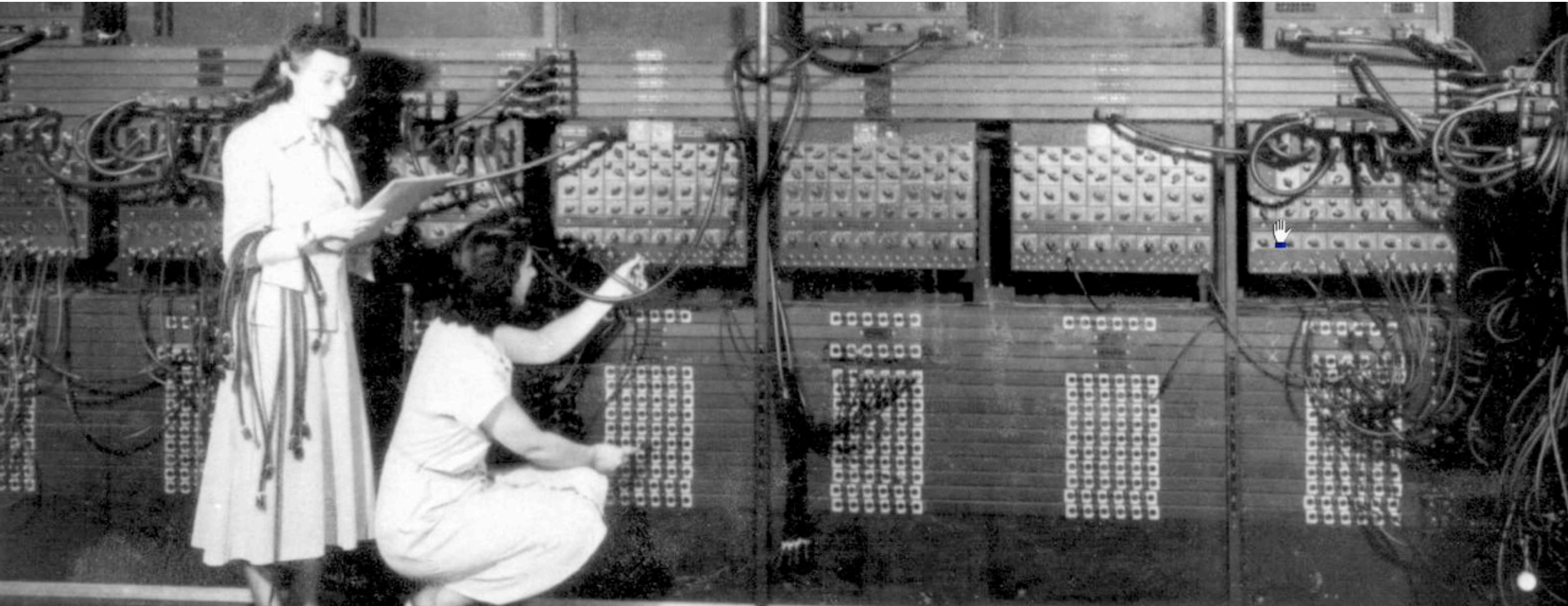


ENIAC, ab 1942



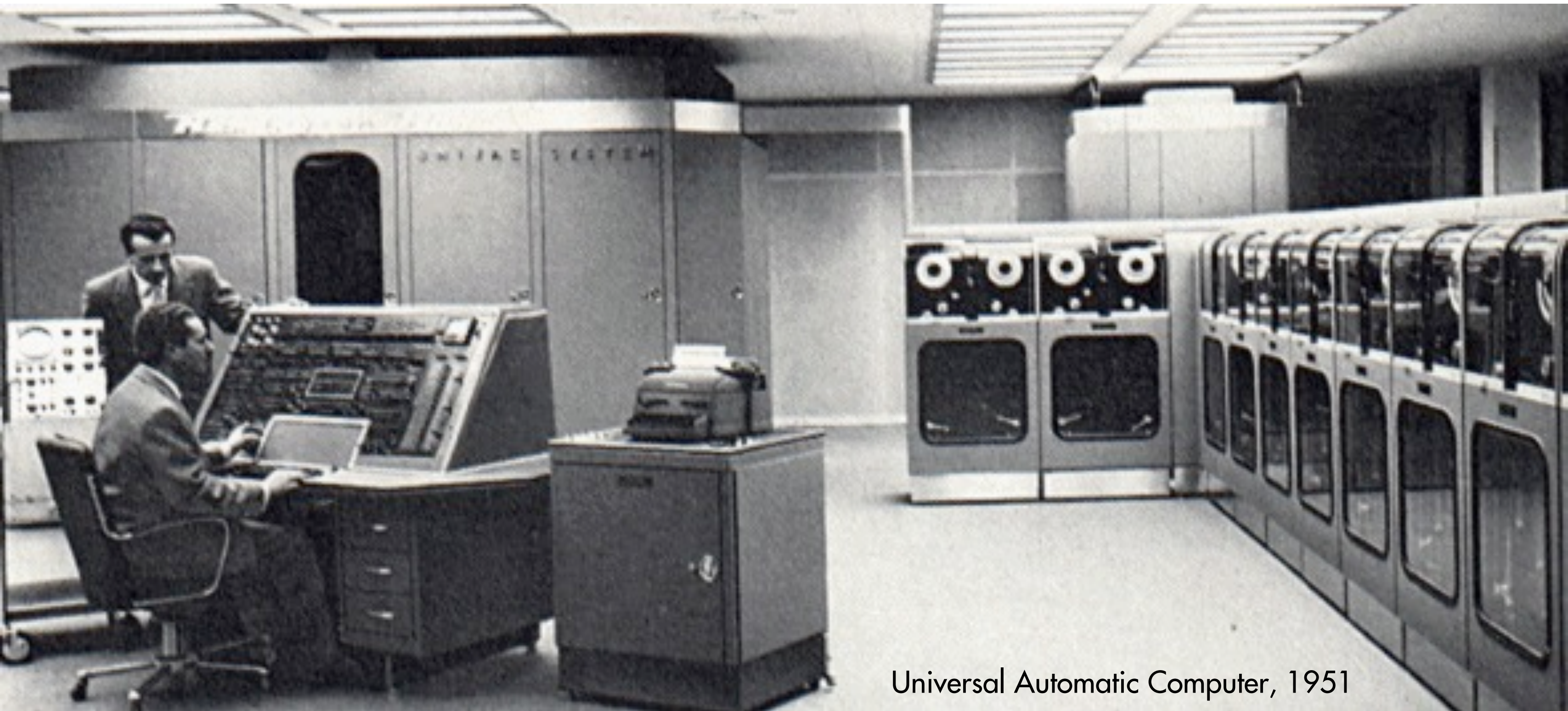
Universalmaschine

In Auseinandersetzung mit der ENIAC hatte sich Anfang der 50er Jahre die Architektur für die Universalmaschine Computer durchgesetzt, die bis zur Einführung von Mehrkernprozessoren Bestand hatte.



Programmieren der ENIAC durch die Gloria Gordon und Ester Gerston.

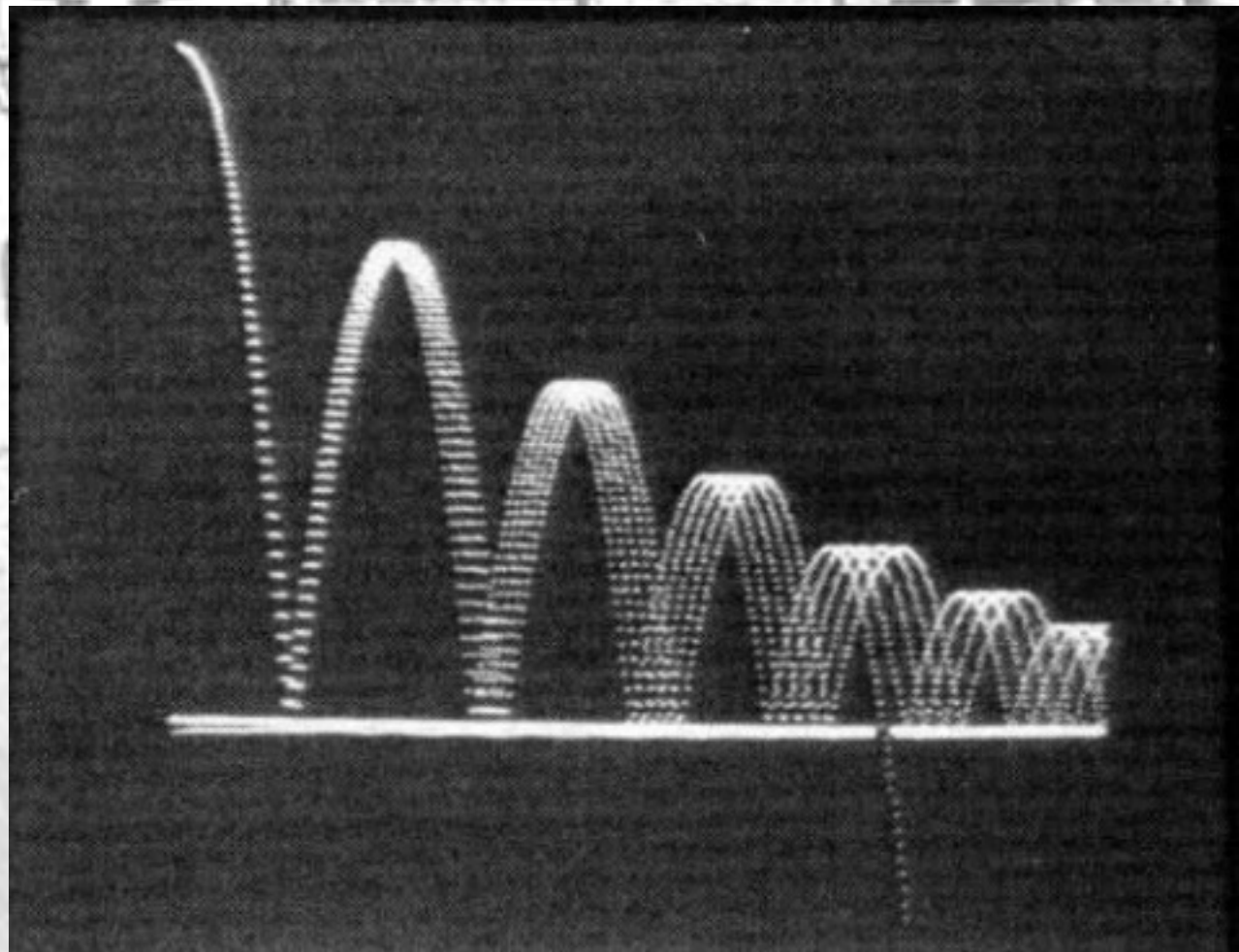
UNIVAC



Universal Automatic Computer, 1951

Whirlwind

1945-1952

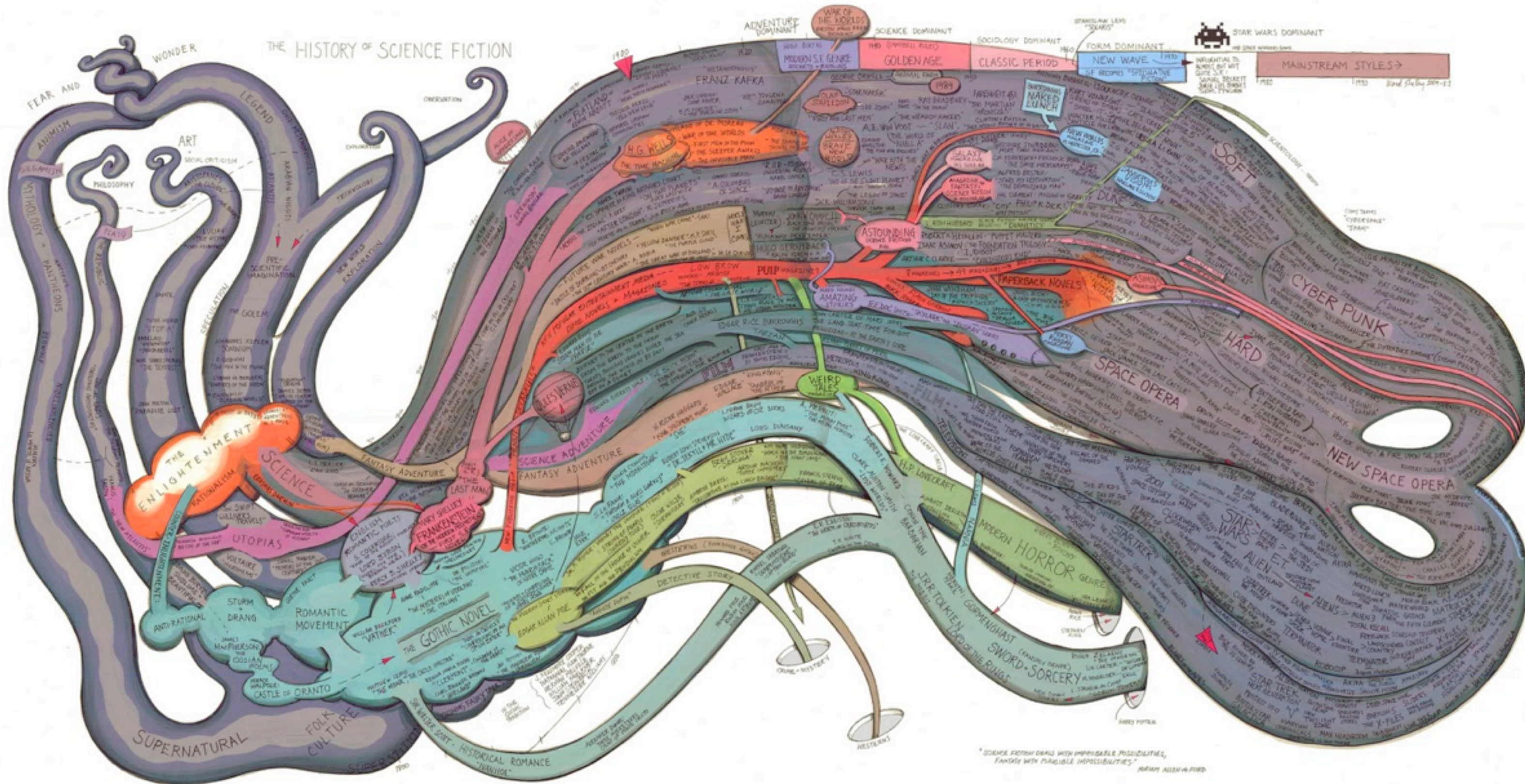


Adams; Gilmore: Bouncing Ball 1949

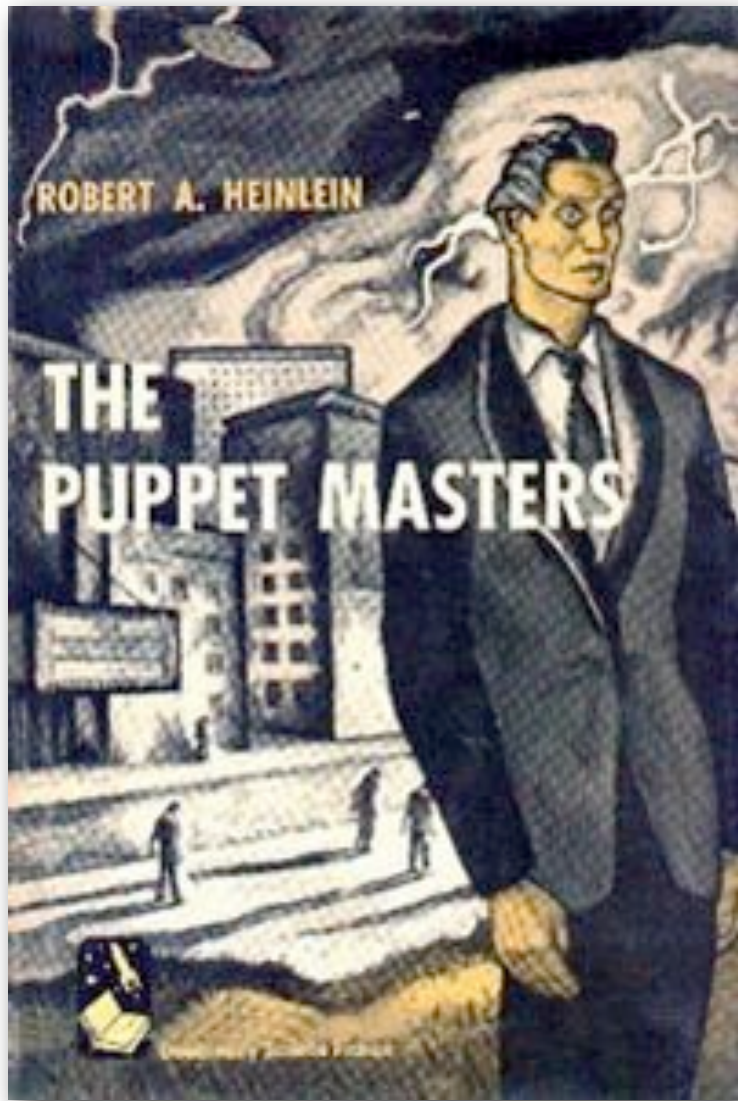
SAGE

Semi-Automatic Ground
Environment, ab 1952





Golden Age of Science Fiction



1950



1951

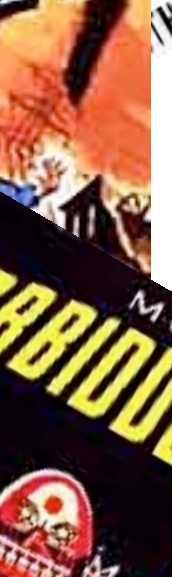
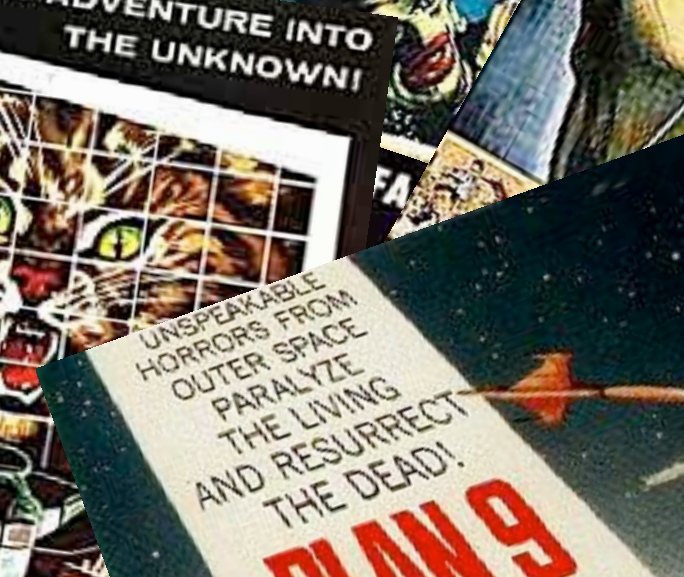


1953

Science Fiction in der McCarthy-Ära



Earth vs. the Flying Saucers



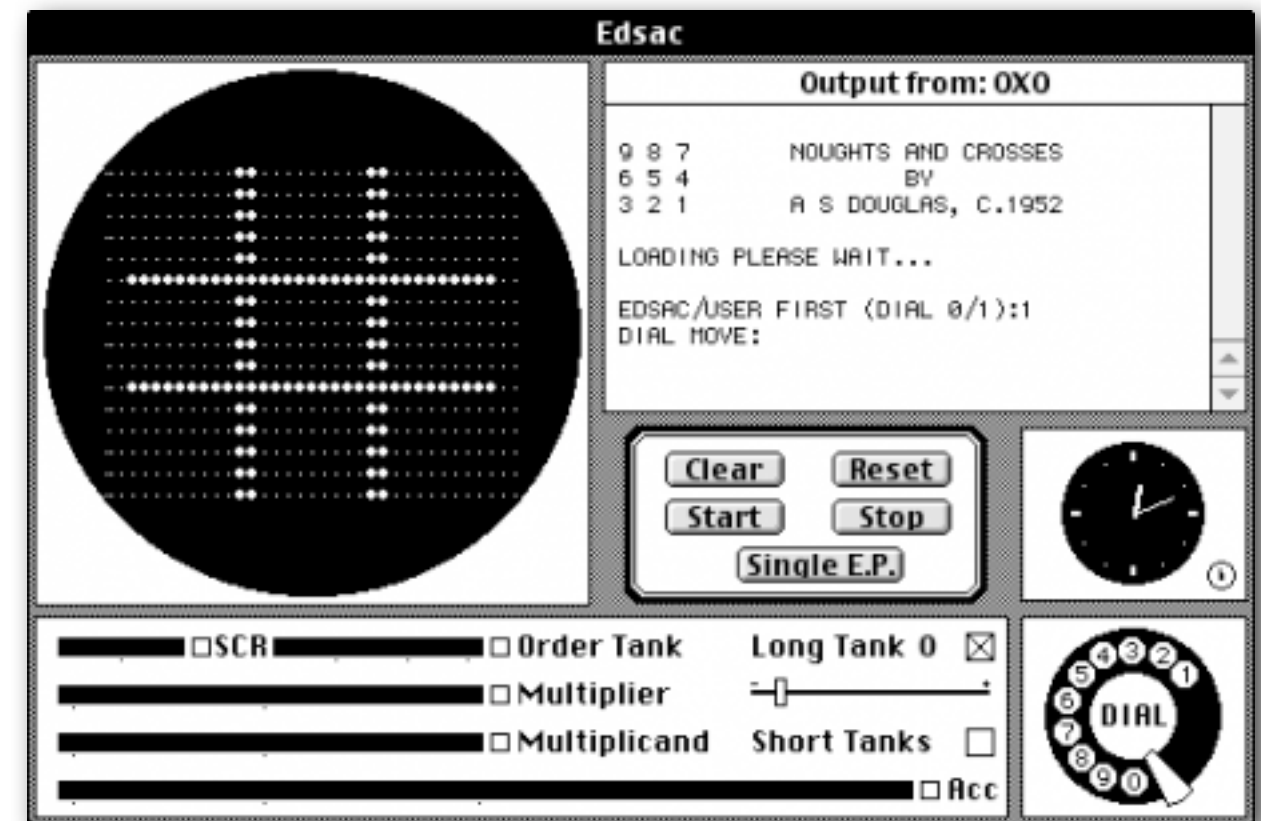
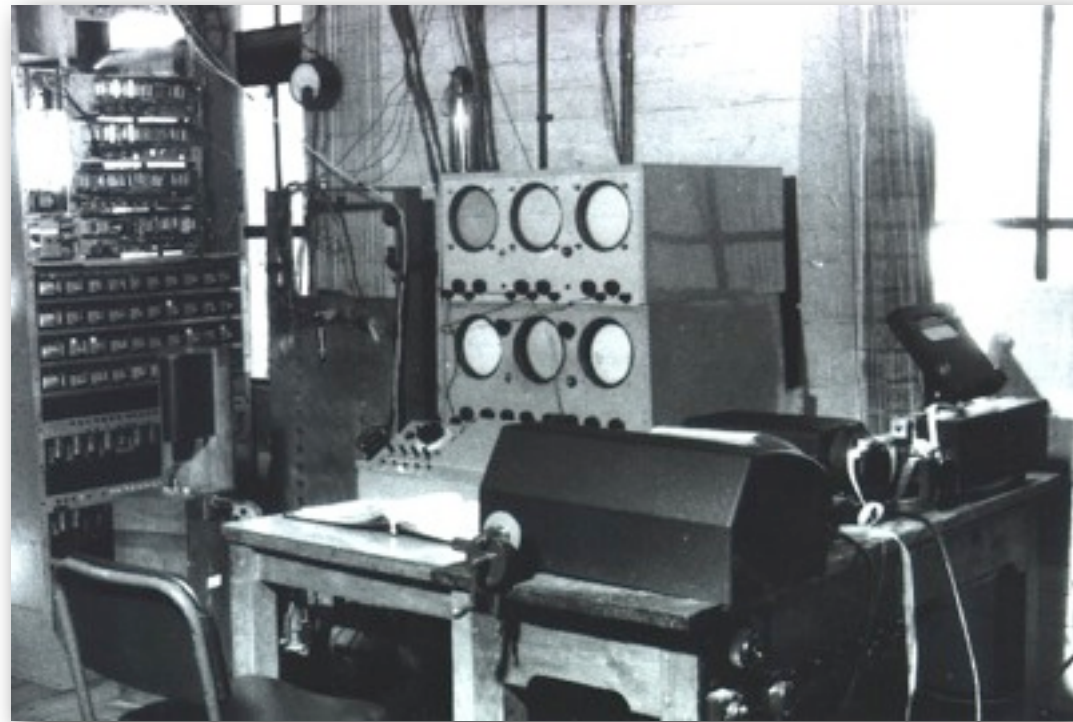
Nimrod



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



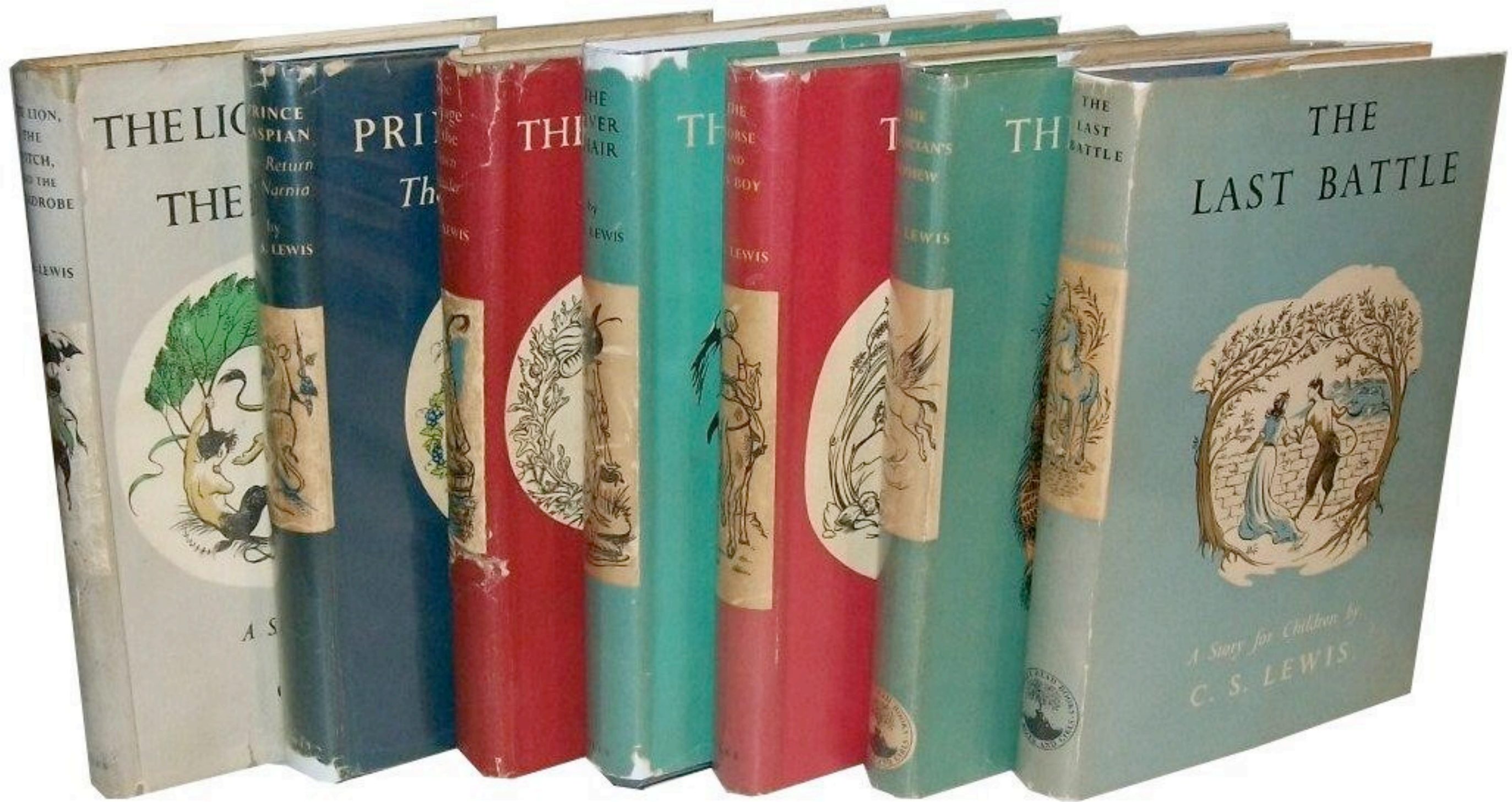
J. R. R. TOLKIEN

THE
RETURN OF
THE KING



J. R. R. TOLKIEN

1954

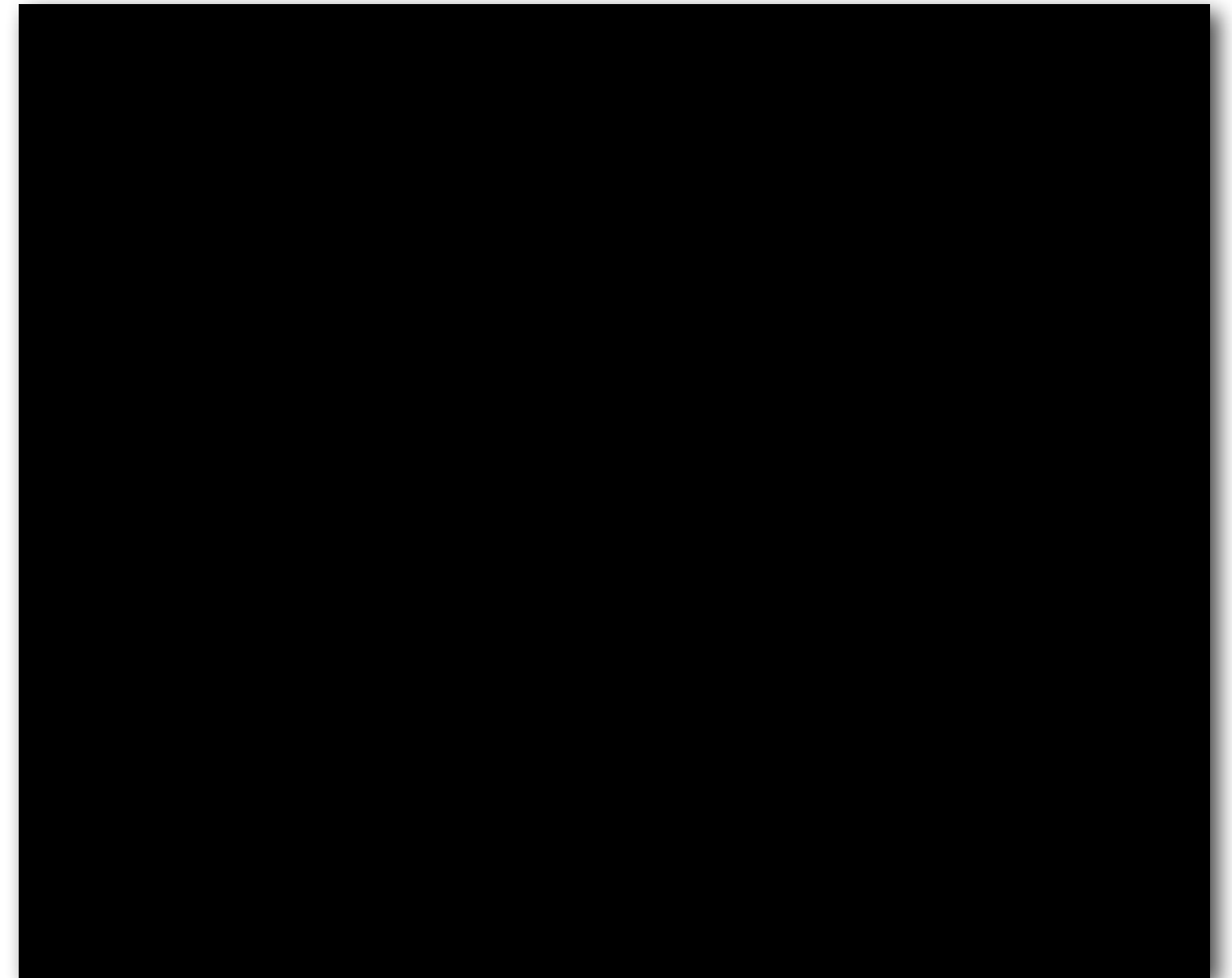
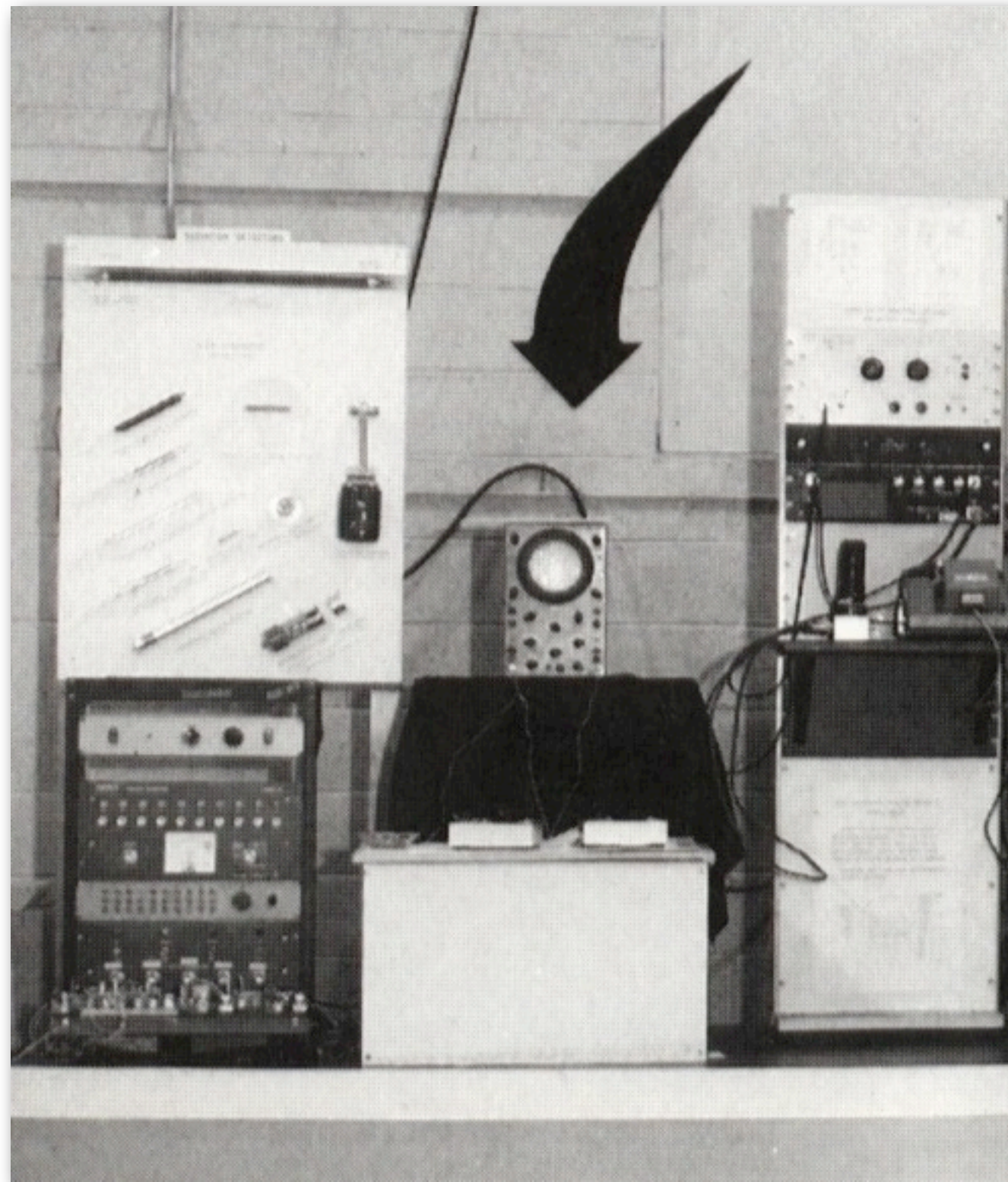


C. S. Lewis: Chronicles of Narnia, 1949-54

Der Sputnik-Schock, 1957



Tennis for Two :: 1958



William A. Higinbotham & Robert V. Dvorak, 1958