# Geschichte und Ästhetik der audiovisuellen und digitalen Medien II

01 – Ursprünge



Prof. Dr. Jochen Koubek

# Technikgeschichte

# Industrialisierung und die Entzauberung der Welt



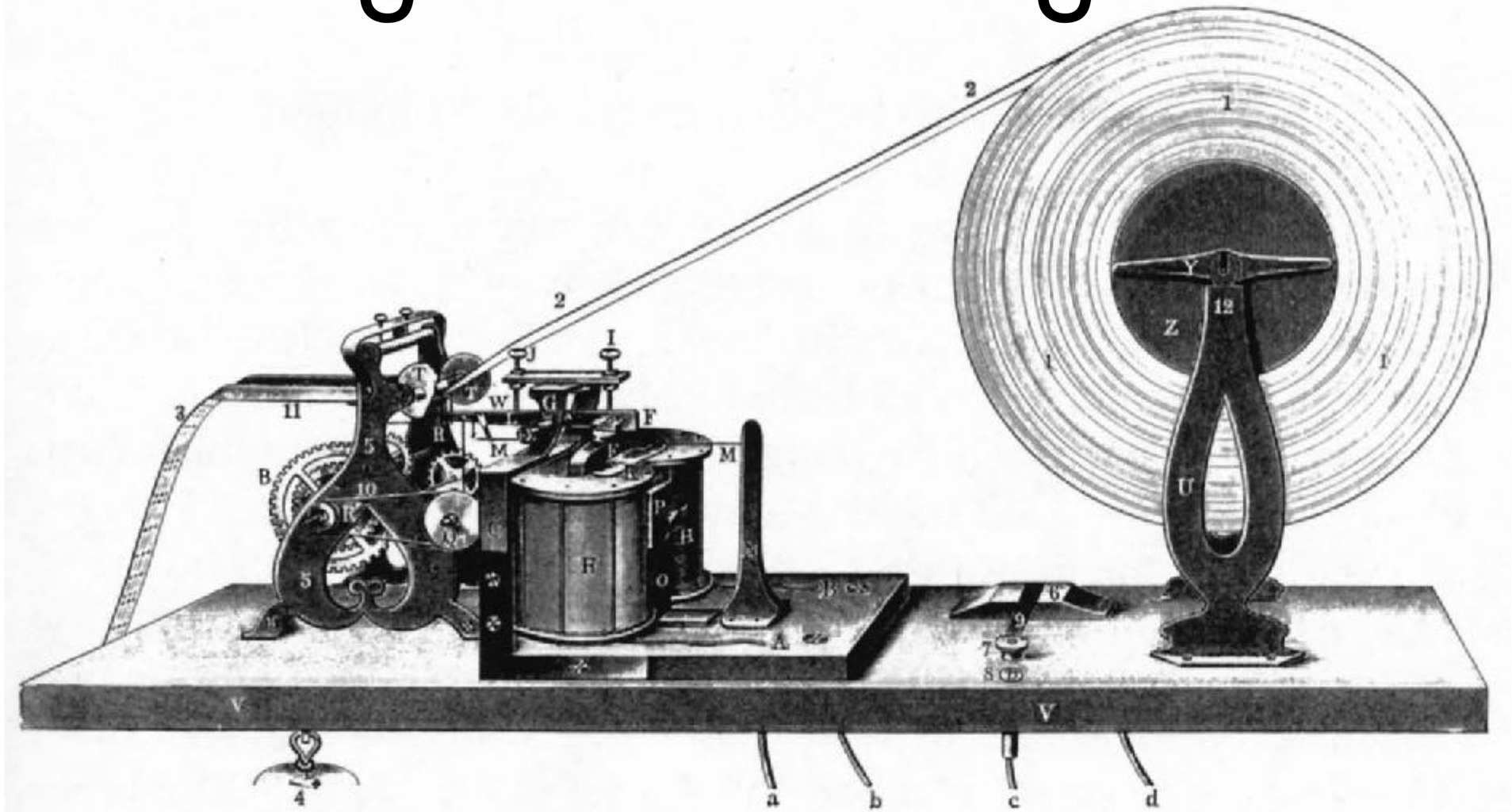






Jacquard-Webstuhl
1805

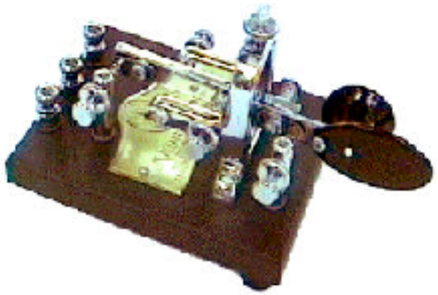
# Elektro-magnetische Telegrafie




*Morse-Stiftschreiber von 1846; in dieser Form ging der Morse-Apparat in den USA in Betrieb.*

# Telegrafen Community



I I = I am ready
GA = Go Ahead
SFD = Stop for Dinner
GM = Good morning
1 = Wait a moment
2 = Get answer immediately

Nicknames, Abkürzungen, Wettbewerbe, Spiele, Diskussionen, Meetings, Witze, Flirts, Hacker, Krypto, DAUs




Mattie Kuhn



# Chats

THE

WESTERN

Union Telegraph

COMPANY.

*RULES, REGULATIONS*

AND

*INSTRUCTIONS,*

FOR THE INFORMATION AND GUIDANCE OF EMPLOYES OF THIS COMPANY ONLY, AND NOT INTENDED AS AN ADVERTISEMENT, NOR FOR THE INFORMATION OF THE PUBLIC,—THE COMPANY RESERVING THE RIGHT TO CHANGE THEM AT THEIR PLEASURE.

NOTICE.—Employes receiving this book, are required to carefully study and preserve it; and when leaving the Company's service, to hand it over to their successors.

These rules supersede and take the place of all rules and orders heretofore made or issued that conflict therewith.

CLEVELAND:

RANNEY & HAYWARD, PRINTERS AND ENGRAVERS.

1866.

1866



## FREE MESSAGES.

62. **In order to relieve the wires** of the pressure of free business, and of any improper use thereof, the messages of an **unofficial character,** to and from employes of the Company, must be restricted to **their own urgent social messages,** and in every case such messages shall be **approved by the Manager of the office** from which it is sent. The copies of such messages to be regularly filed with the free messages.

63. **The Official Correspondence** over the wires between Managers, Operators, and other employes of the Company, must be limited to matters of **an urgent nature and that will not bear the delay of the mail.—Use the mail** for all matters that will not suffer by the delay.

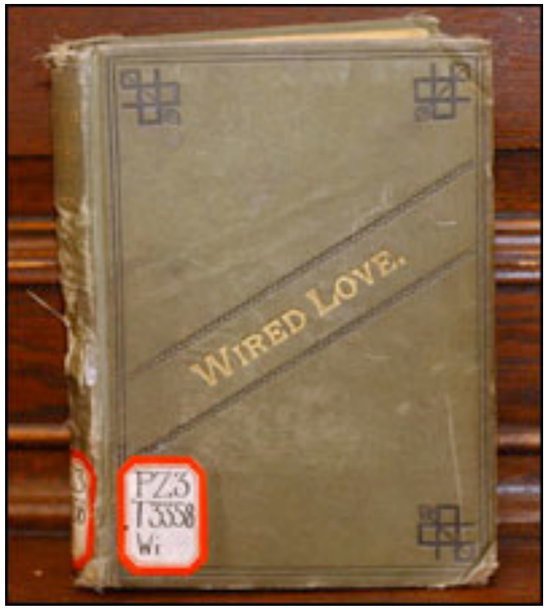
64. **Messages for Theatres,** Shows, Concerts and places of amusement of any kind, will in no case be transmitted over the wires of this Company **without payment of the usual charges.**



**Flirtation by Telegraph"**
*Probably from Harper's Weekly, ca. 1875, National Museum of American History, Smithsonian Institution, Archives Center*

# Beziehungen

«I got my divorce . . .and soon afterward married a telegrapher from Nova Scotia. I'd met this operator over the wire in 1903, while working» (Mattie Kuhn)




Ella Cheever Thayer: Wired Love: a romance of dots and dashes, 1879

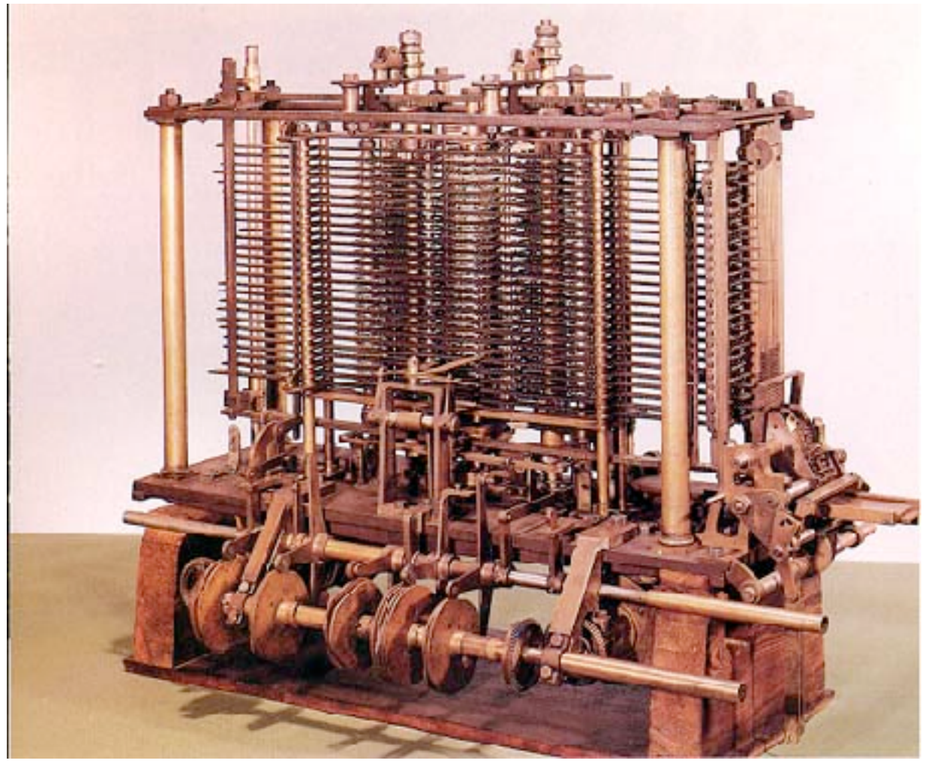
# Dampfrechner



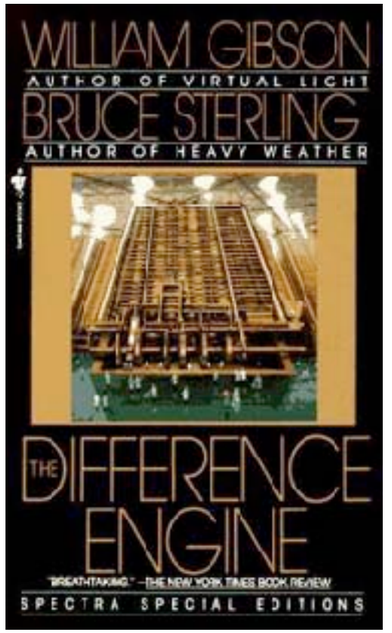
Charles Babbage, 1792-1871



Ada Lovelace, 1815-1852

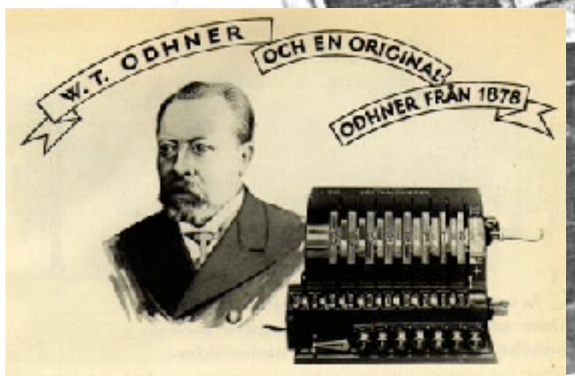


Fragment der Analytical Engine, ab 1837



# Mechanische Rechenmaschinen

Mechanisierung von Kopfarbeit

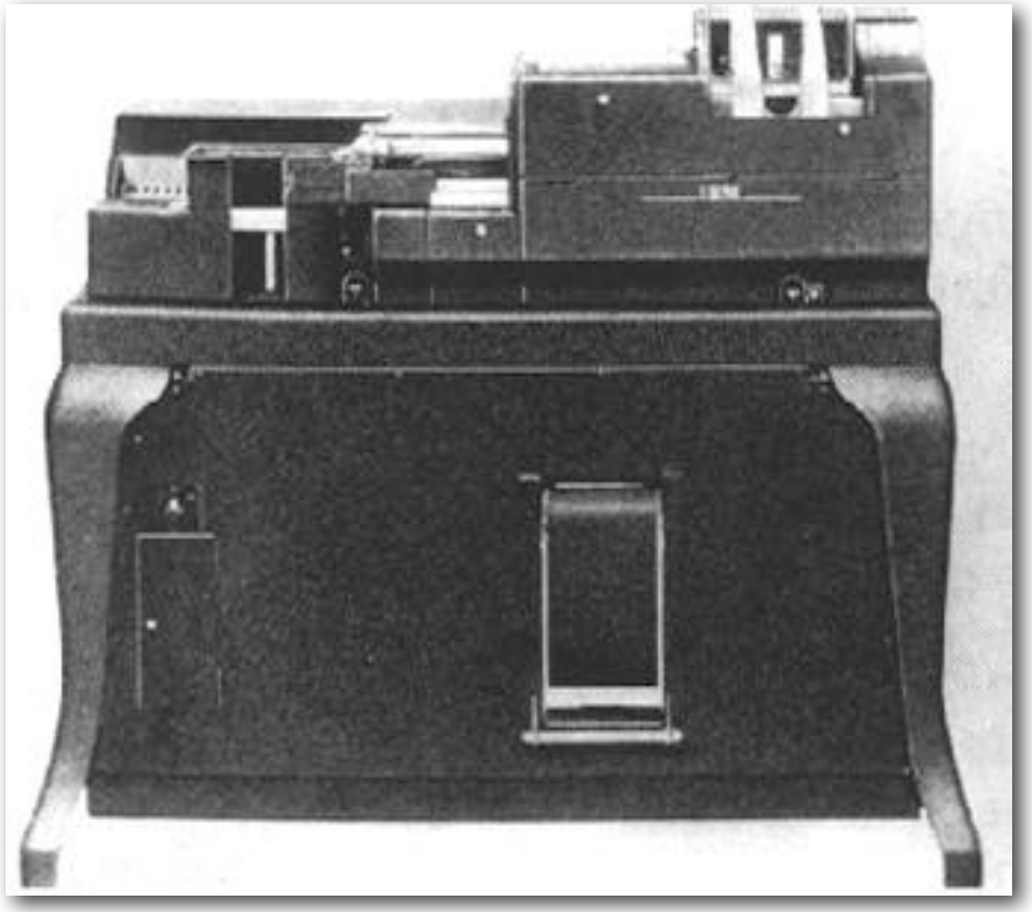


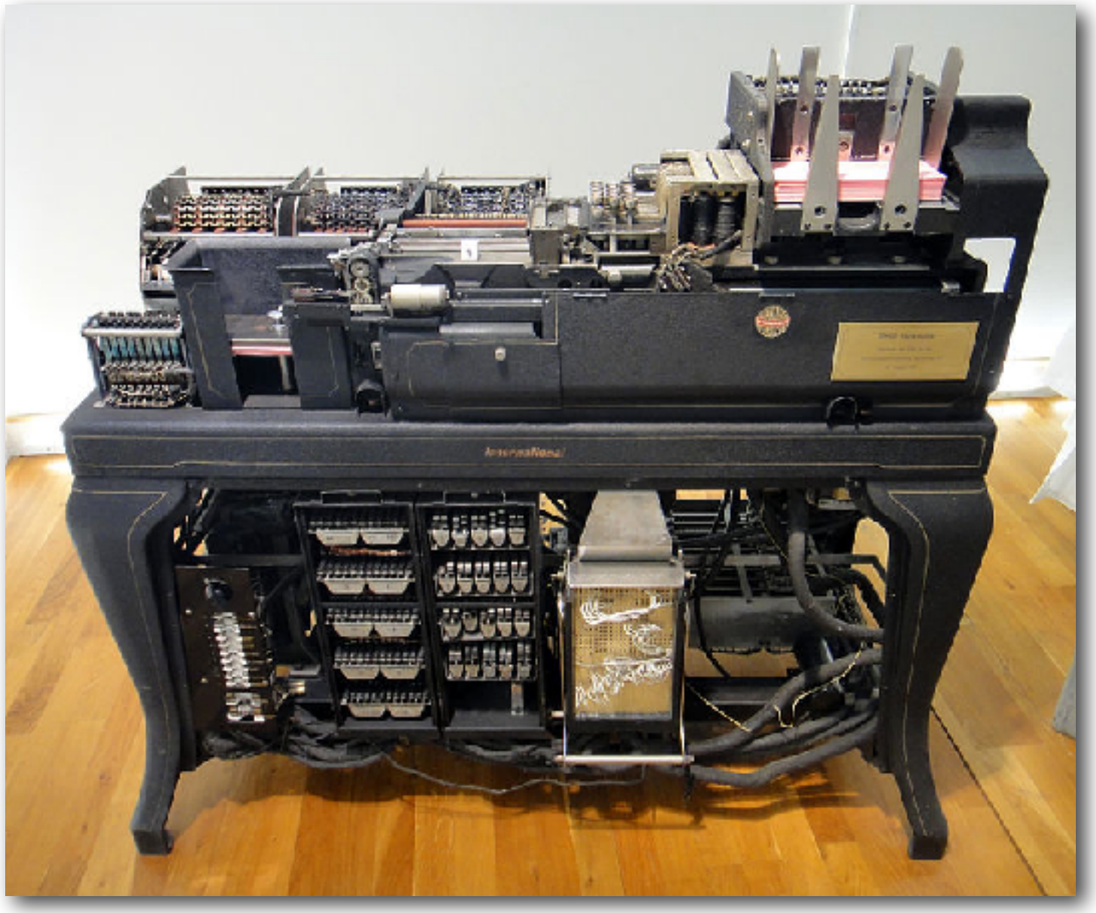

**Franz Trinks – Brunsviga, Grimme, Natalis & Co.**

Bürorechenmaschine

Braunschweig 1892

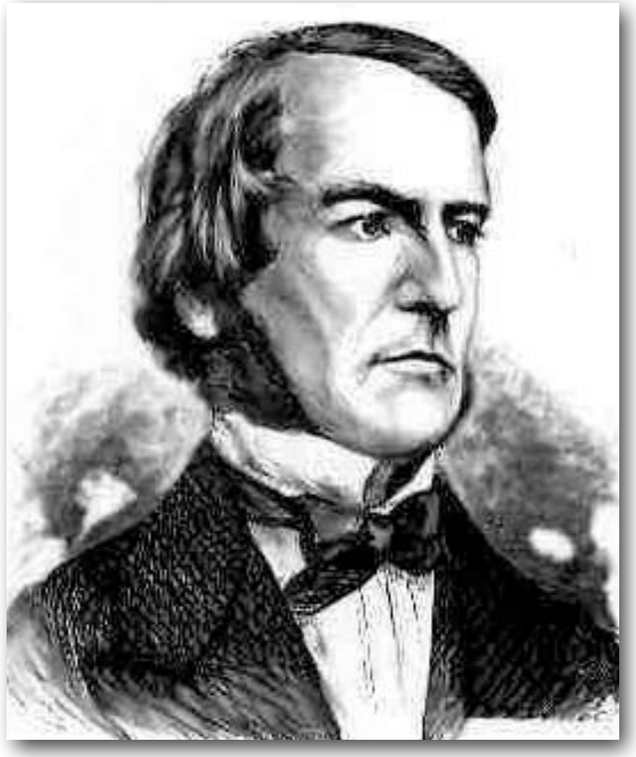
# Automatische Rechenmaschinen





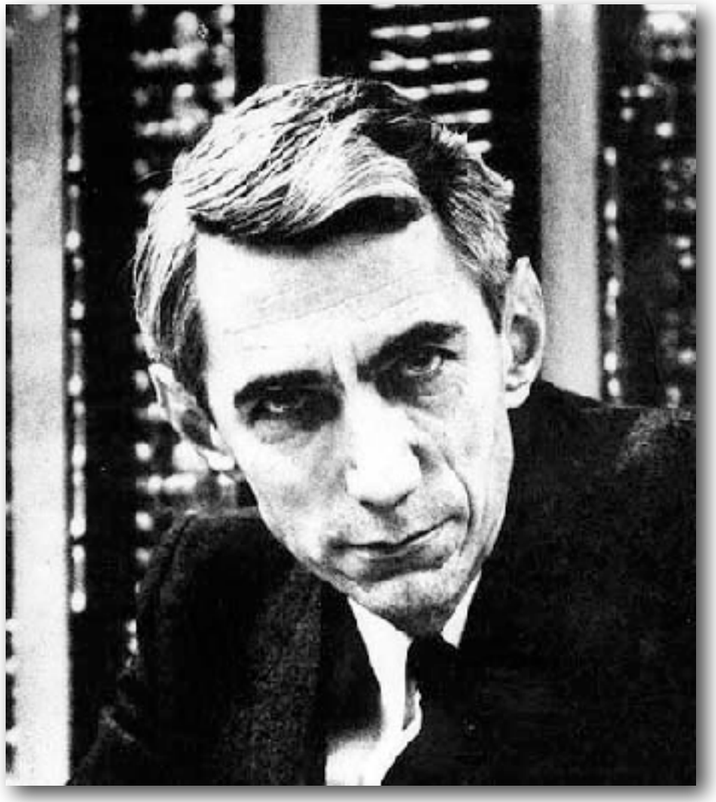
IBM 601, Multiplikator auf Lochkartenbasis1931

# Digitaltechnik



George Boole (1815-1864)

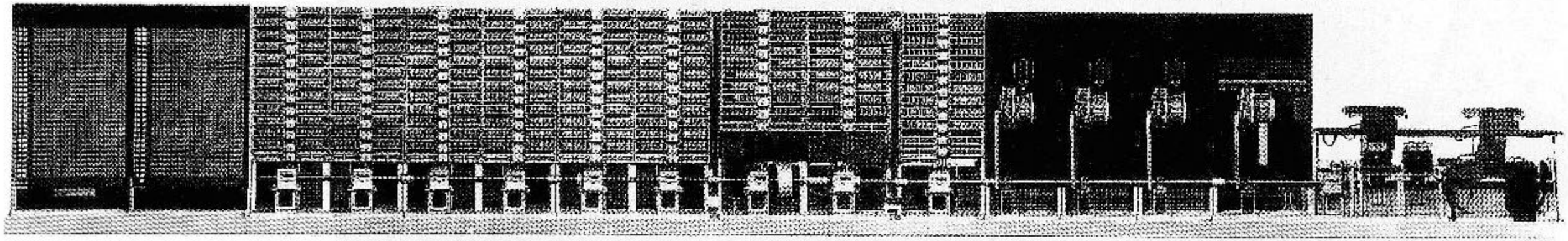
The Calculus of Logic, 1848



Claude Shannon (1916-2001)

A Symbolic Analysis of Relay and Switching Circuits, 1937

# IBM AUTOMATIC SEQUENCE CONTROLLED CALCULATOR



60 CONSTANTS | 72 STORAGE COUNTERS | MULTIPLY-DIVIDE UNIT | FUNCTIONAL COUNTERS | INTERPOLATORS-1.2.3. | SEQUENCE CONTROL | TYPEWRITERS - CARD FEEDS - CARD PUNCH

PRESENTED TO HARVARD UNIVERSITY BY INTERNATIONAL BUSINESS MACHINES CORPORATION

Through the Courtesy of

MR. THOMAS J. WATSON, President.

AUG. 7, 1944

DESIGNED BY —

Howard Aiken

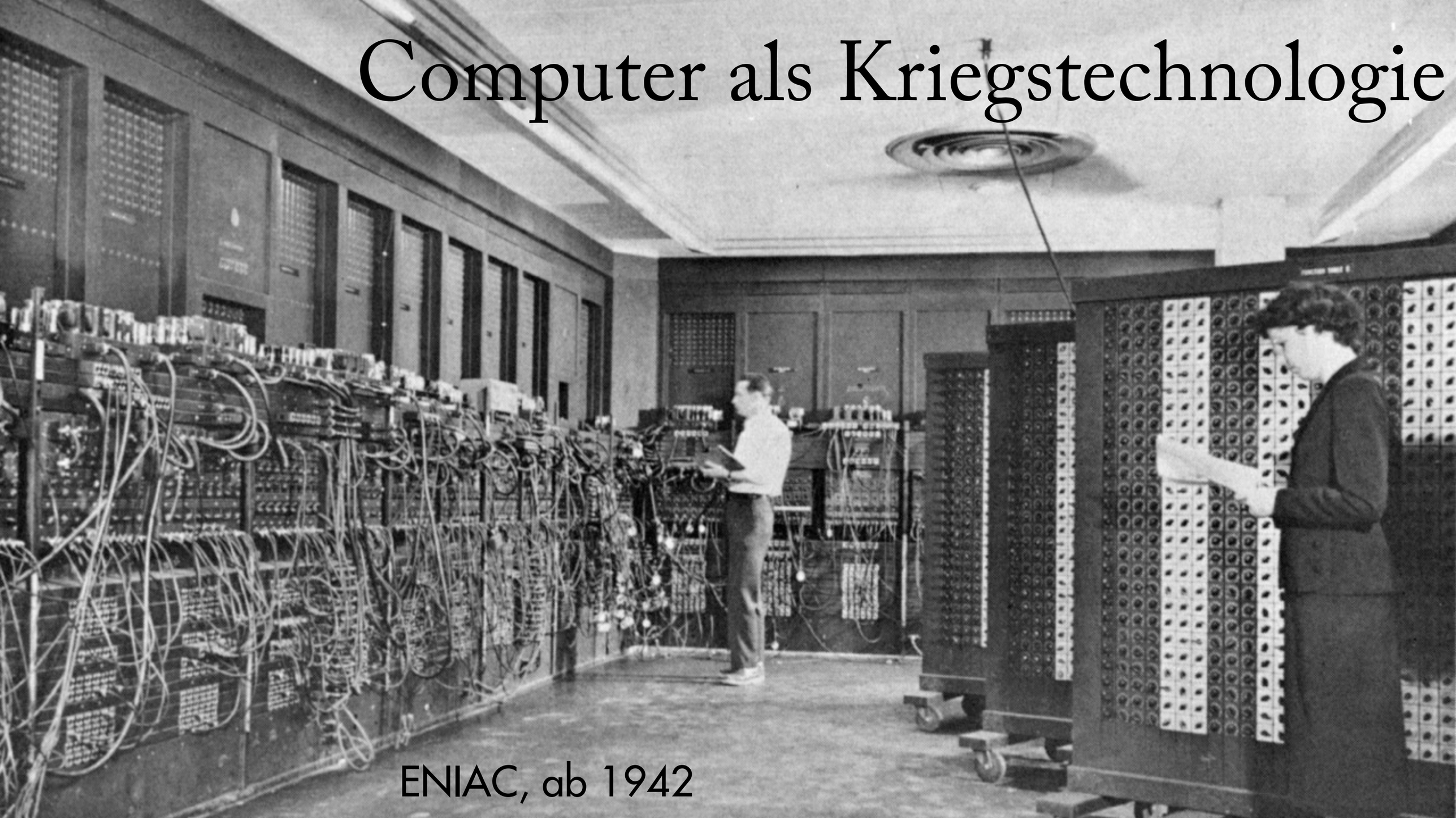
Harvard Mark I

IBM ASCC 1944





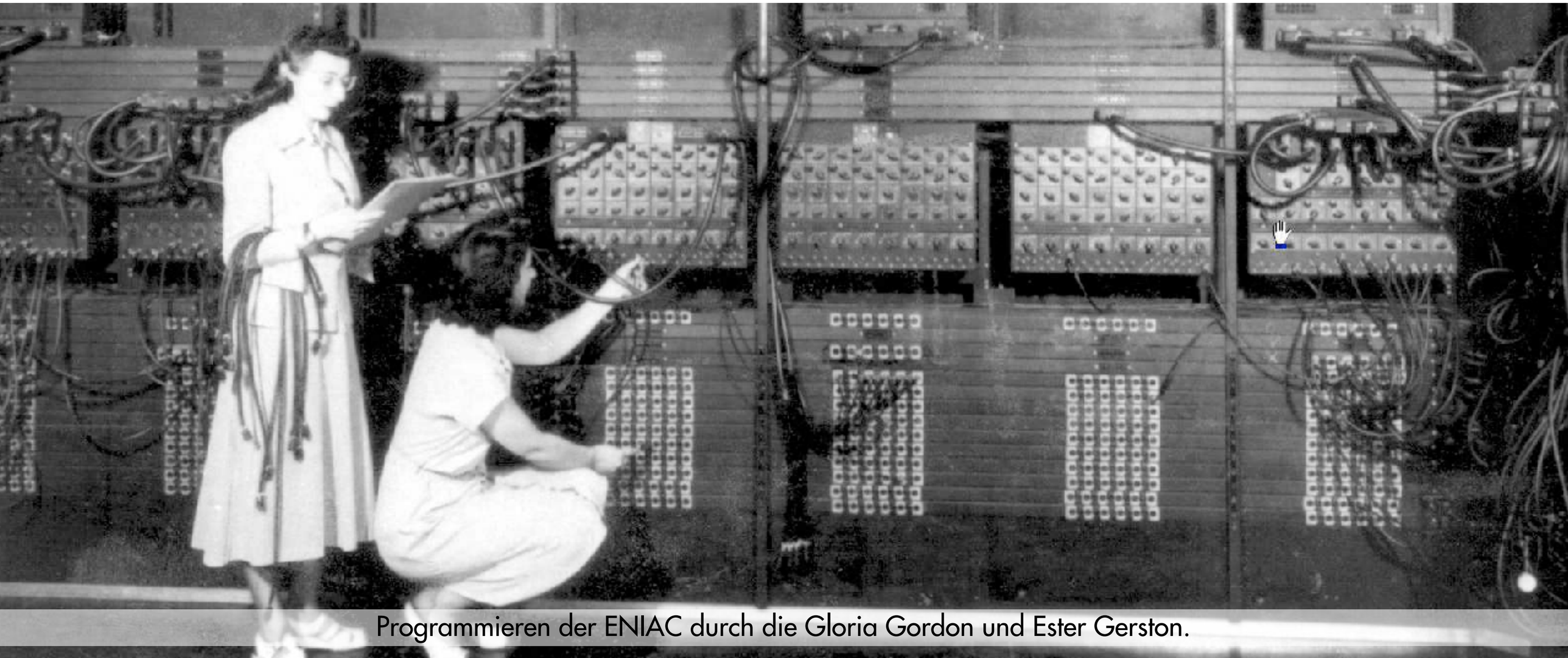
# Computer als Kriegstechnologie



ENIAC, ab 1942

# Universalmaschine

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



Programmieren der ENIAC durch die Gloria Gordon und Ester Gerston.

# Kulturgeschichte der Audiovision und Narration

# Das neue Imaginäre und die Wiederverzauberung der Welt





Atkinson Grimshaw: Iris

# Fantasy

## Das Erträumte

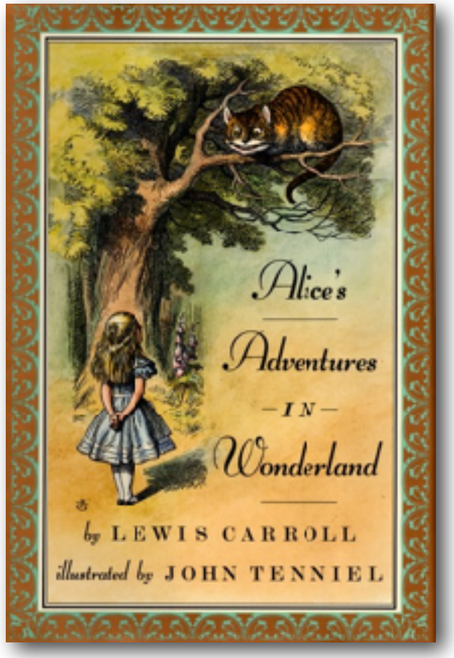
# Fantasyliteratur




Johann und Jakob Grimm
Kinder- und Hausmärchen
1812



E.T.A. Hofmann
Klein Zaches, genannt Zinnober
1819



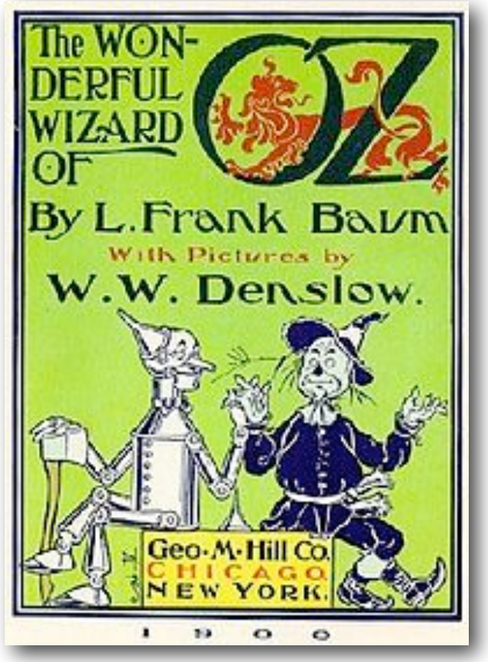

Lewis Caroll
Alice in Wonderland
1865




George McDonald
The Princess and the Goblin
1872



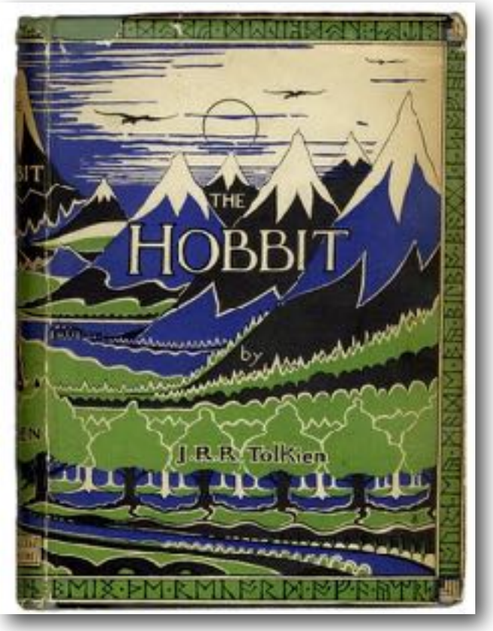
William Morris
The Well at the World's End
1896



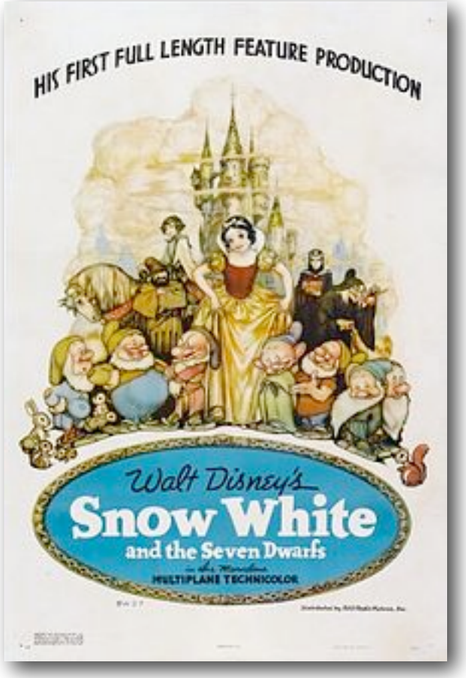

L. Frank Baum
The Wonderful Wizard of Oz
1900




J. M. Barie
Peter Pan
1911




J.R.R. Tolkien
The Hobbit
1937












1937



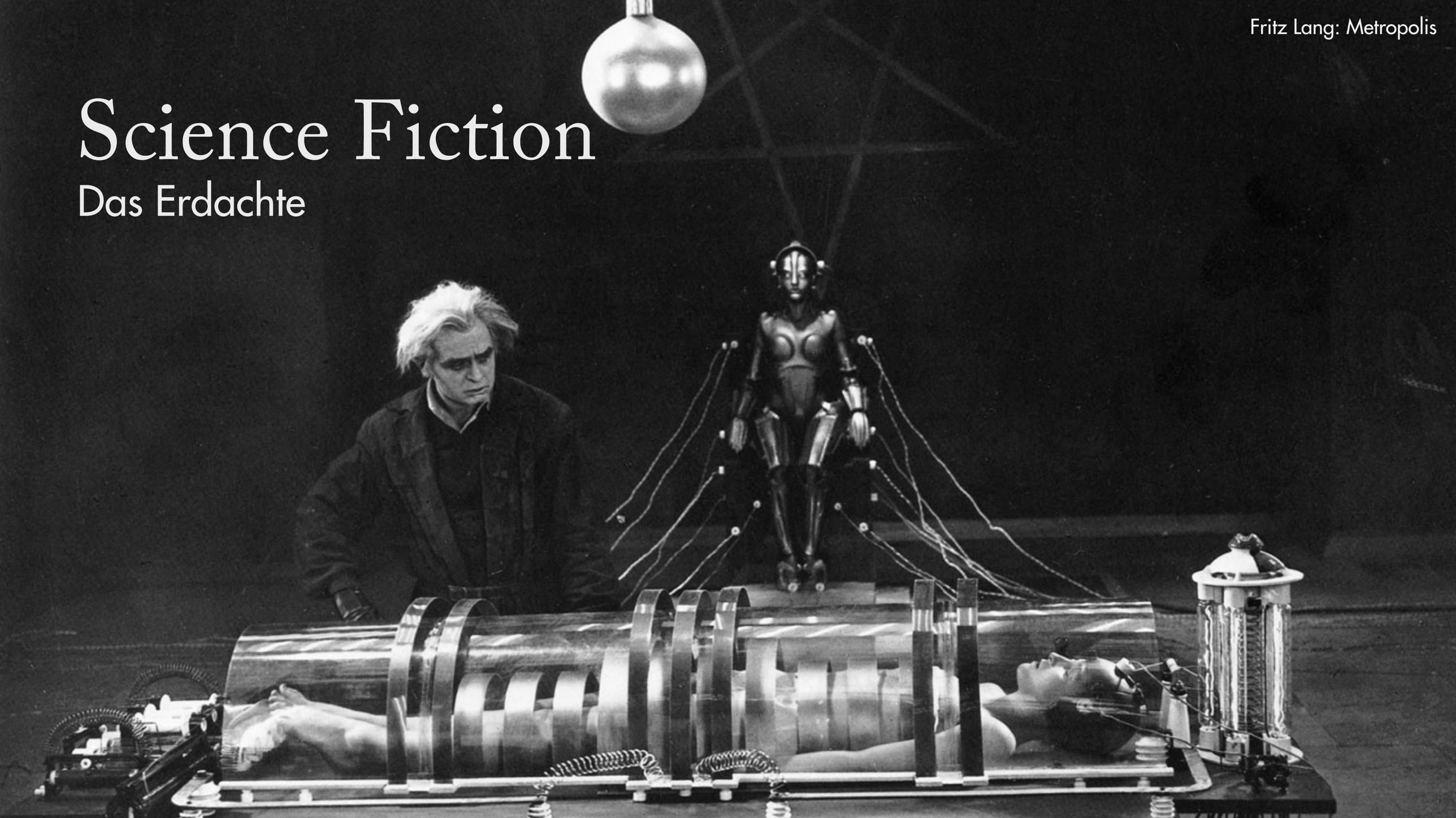
1924



1939

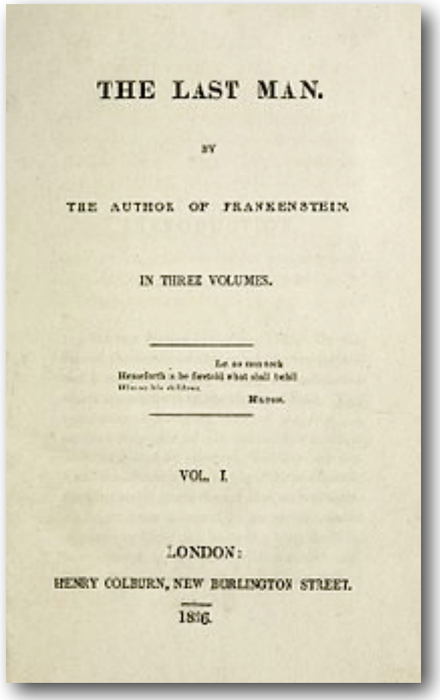
# Science Fiction

## Das Erdachte



Fritz Lang: Metropolis

# Proto-Science-Fiction-Romane


THE LAST MAN.

BY

THE AUTHOR OF FRANKENSTEIN.

IN THREE VOLUMES.

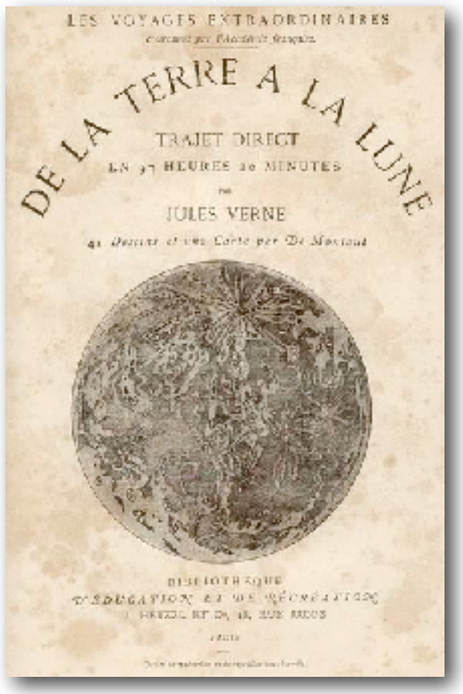
VOL. I.

LONDON:

HENRY COLBURN, NEW BURLINGTON STREET.

1826.

Mary Shelley
The Last Man
1826



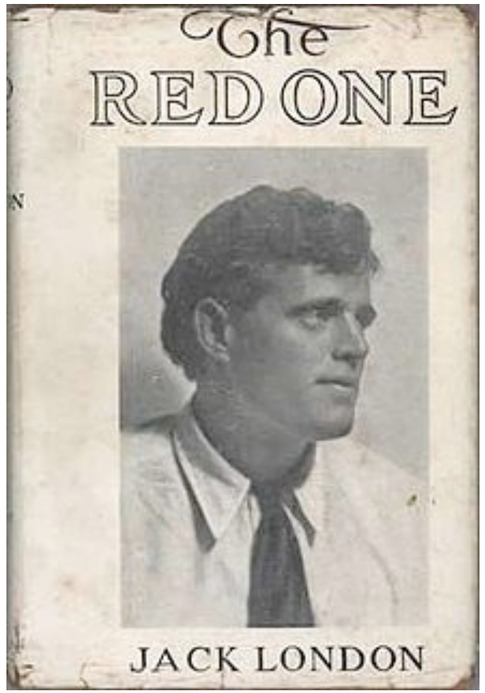

Jules Verne
De la Terre à la Lune
1865




Herbert George Wells
War of the Worlds
1898



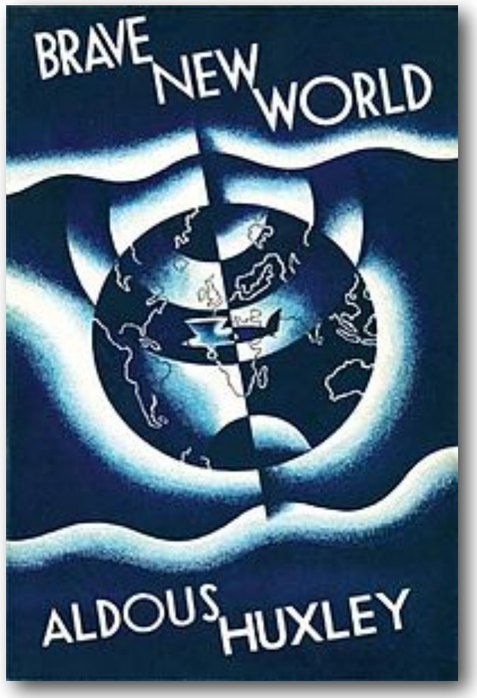

Kurd Laßwitz
Auf zwei Planeten
1897



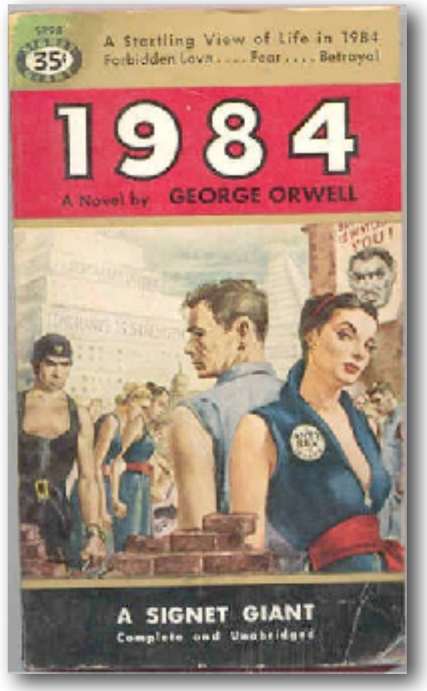

Jack London
The Red One
1918




Olaf Stapledon
Last and First Men
1930




Aldous Huxley
Brave New World
1932



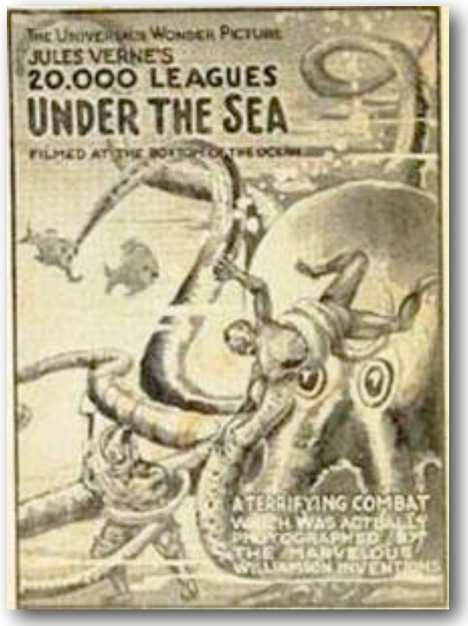

George Orwell
1984
1949



Méliès, 1902




1910




1916




1936




1939

# Horror

## Das Verdrängte

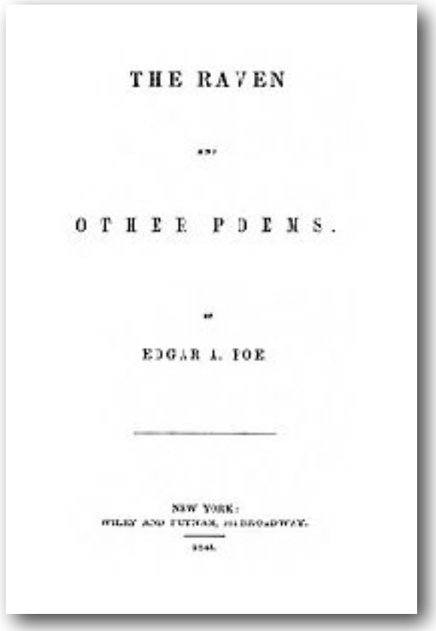


Murnau: Nosferatu, 1922

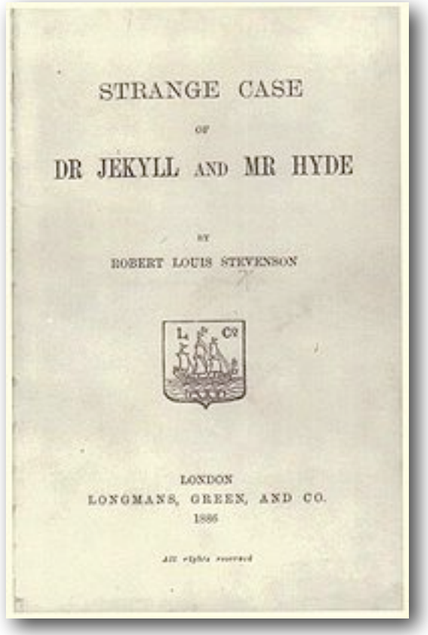
# Horrorliteratur




Gothic Novel
Mary Shelley: Frankenstein, 1818




Edgar A. Poe:
The Raven 1845




Robert Louis Stevenson
Dr. Jeckyl & Mr. Hyde
1886




Viktorianischer Horror
Bram Stoker: Dracula 1896















1931



1932



1932



1941

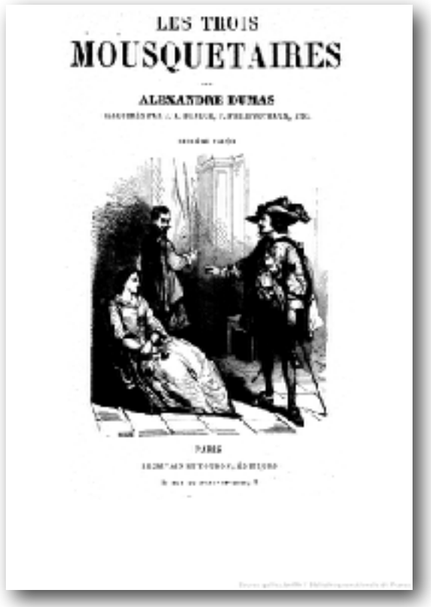
# Abenteuer

## Das Ersehnte

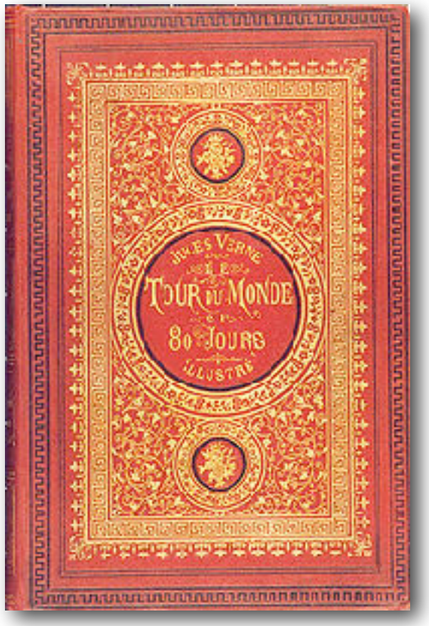


Robin Hood

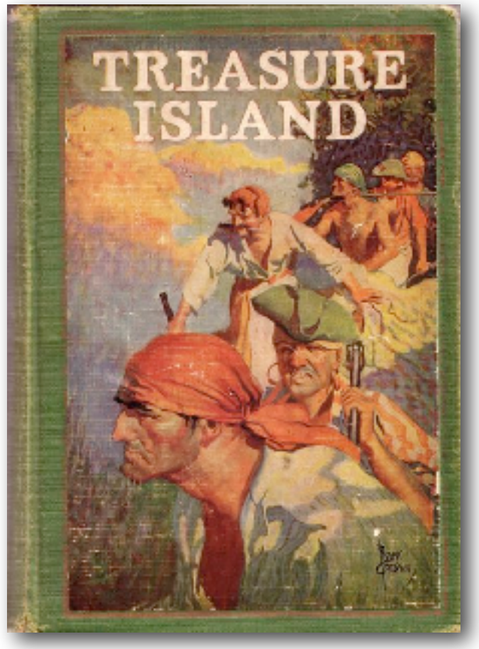
# Abenteuerromane




Alexandre Dumas:
Les trois mousquetaires
1843/44




Jules Verne: Tour du
Monde en 80 Jours
1875




Robert Louis Stevenson:
Treasure Island
1883




Karl May: Der Schatz im Silbersee
1890/91



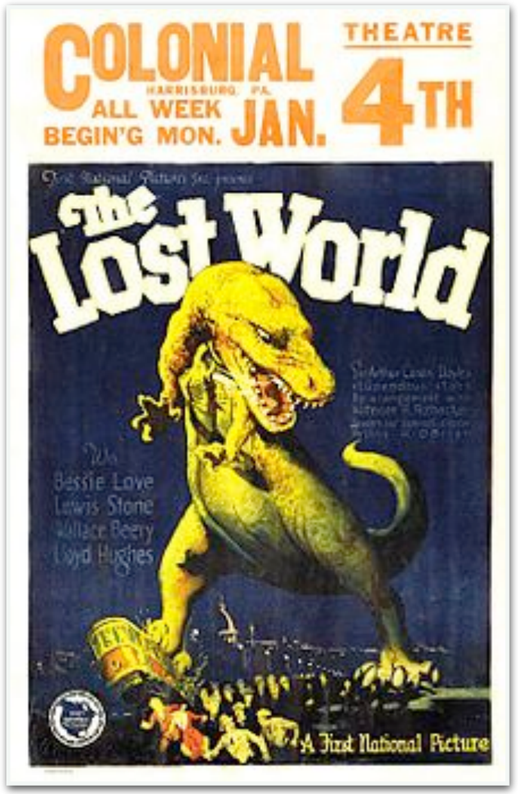
Mask of Zorro 1920



Robin Hood 1922



Thief of Bagdad 1924




1925






1932

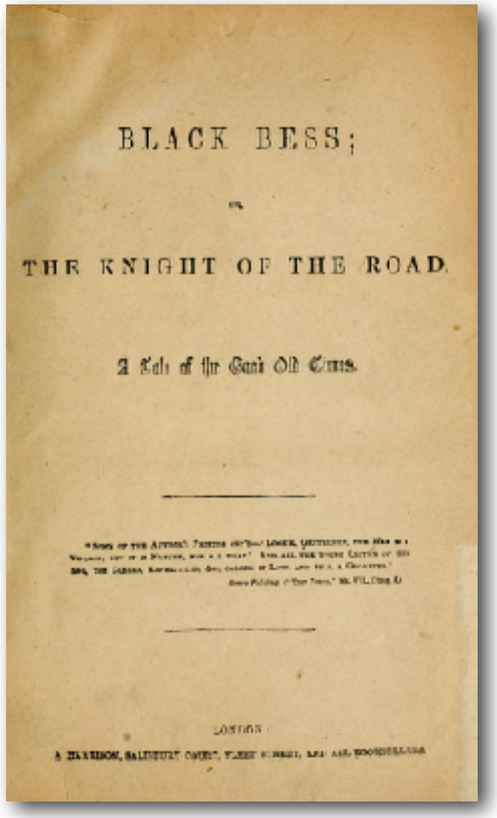





1933



# Penny Dreadful / Dime Novel / Groschenheft


BLACK BESS;

OR,

THE KNIGHT OF THE ROAD.

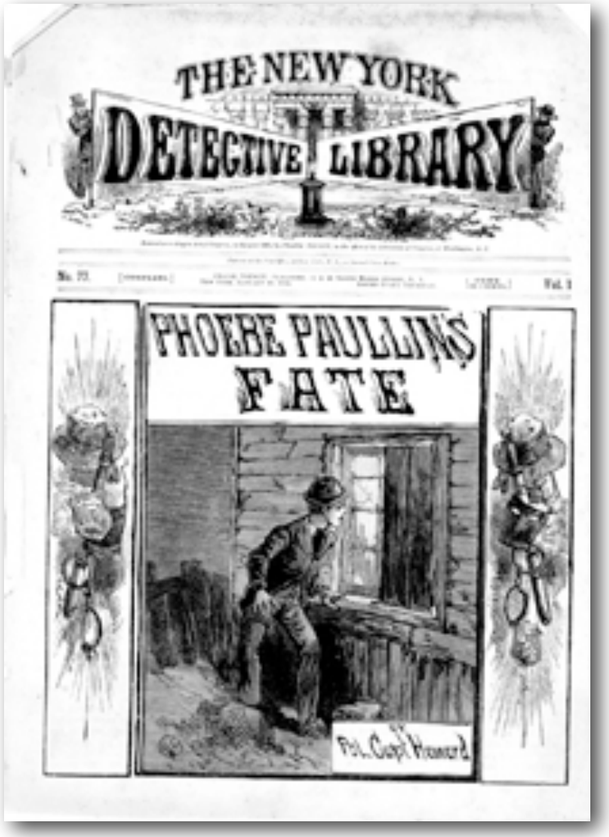
A Tale of the Good Old Times.

LONDON:

1866




1874

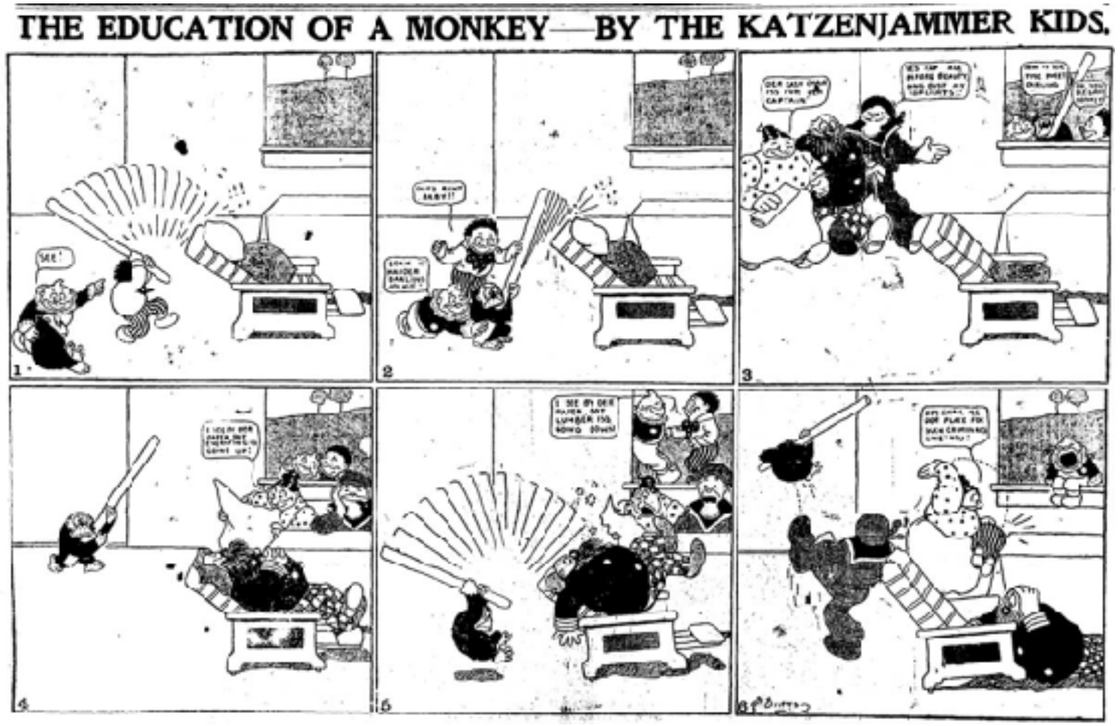



1877

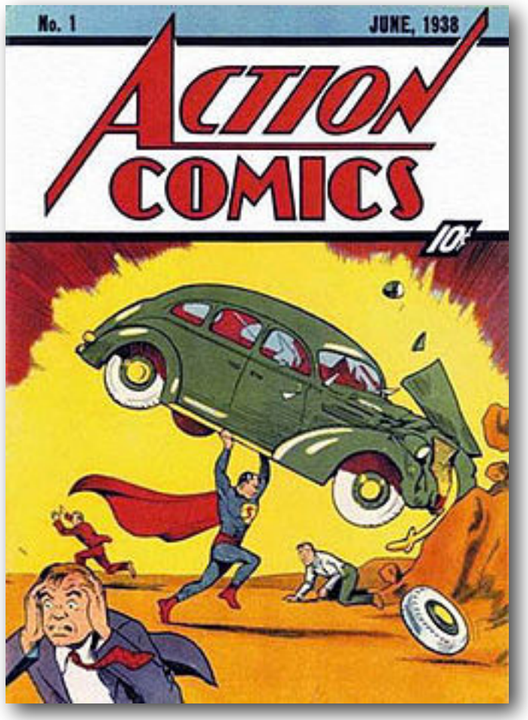
# Comicstrips



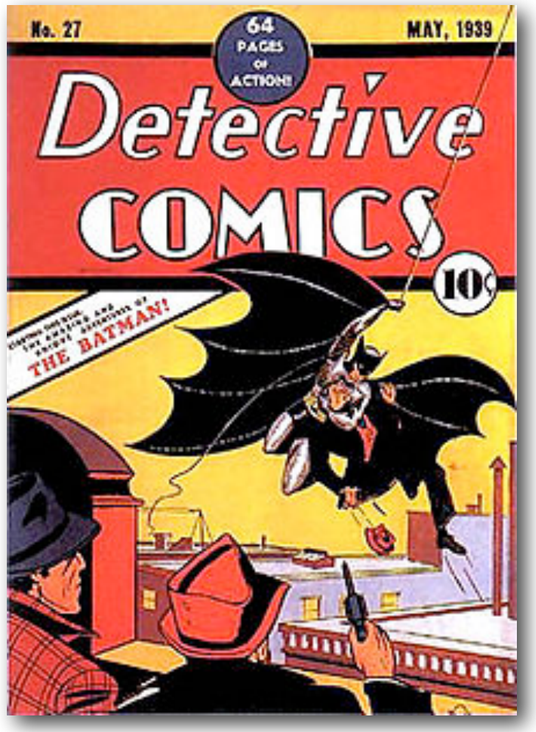

Richard F. Outcault
The Yellow Kid
1895-1898




Rudolf Dirks
The Katzenjammer Kids
1897



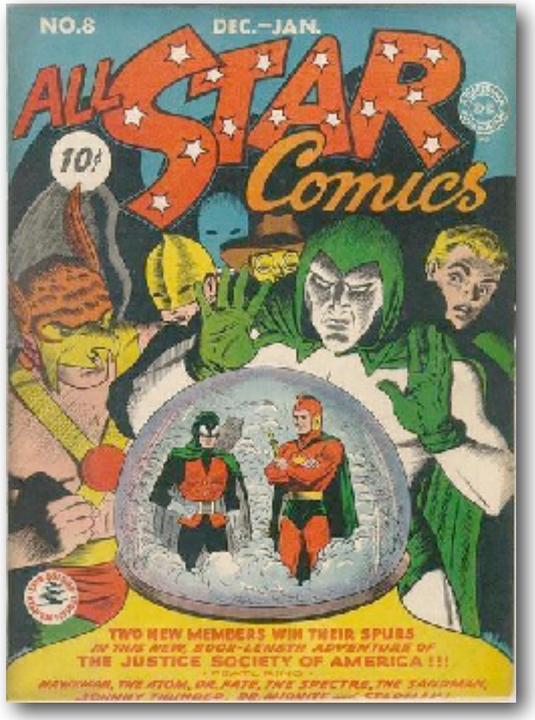

1938




1939

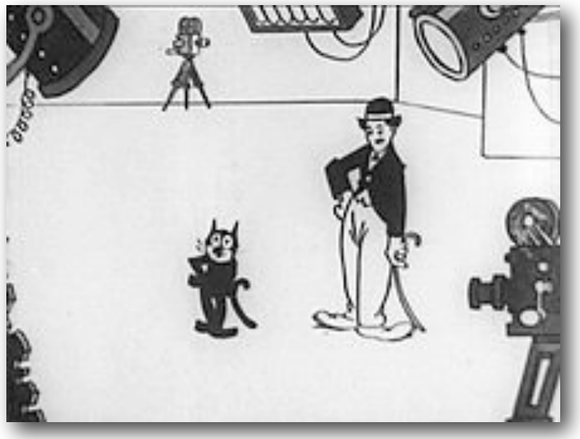



1939

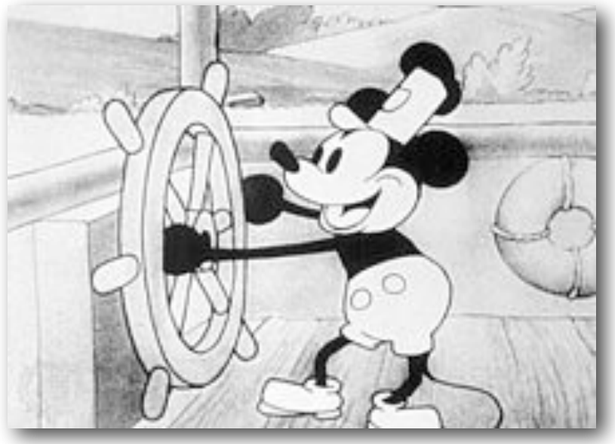



1941

# Animationsfilm



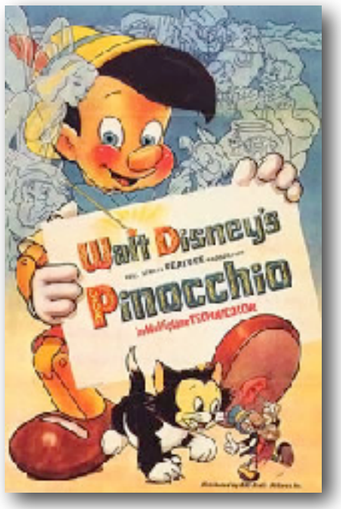
Felix, ab 1919



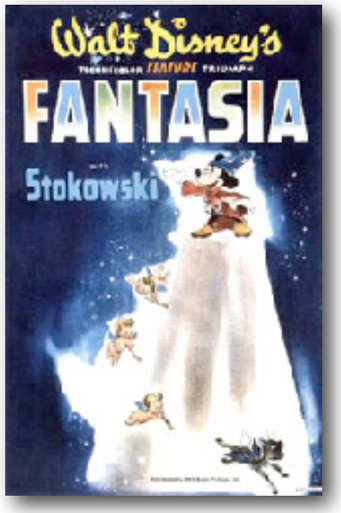
Steamboat Willie, 1928



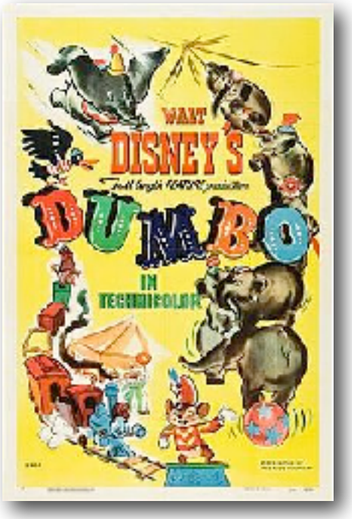

Betty Boop, ab 1930




1940



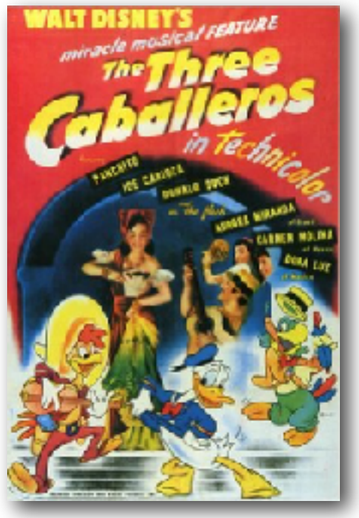

1940




1941



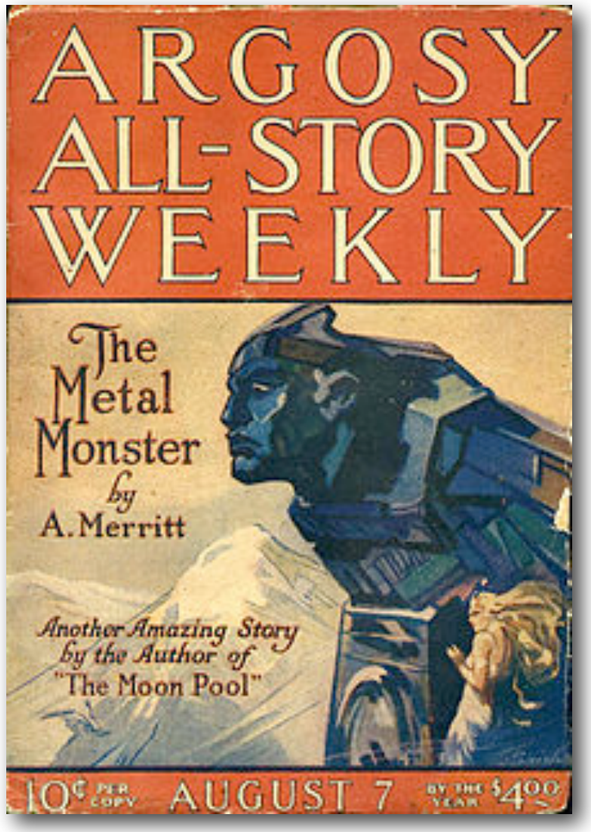

1942



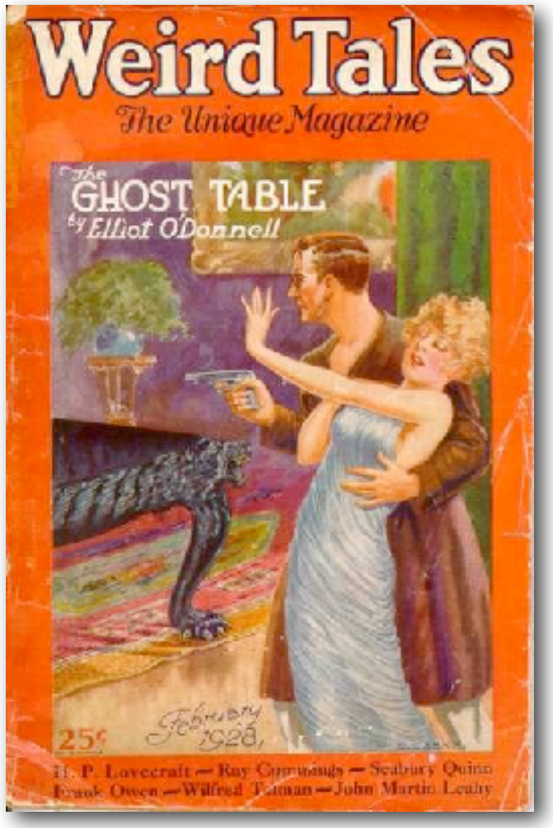

1944

# Pulp Magazine

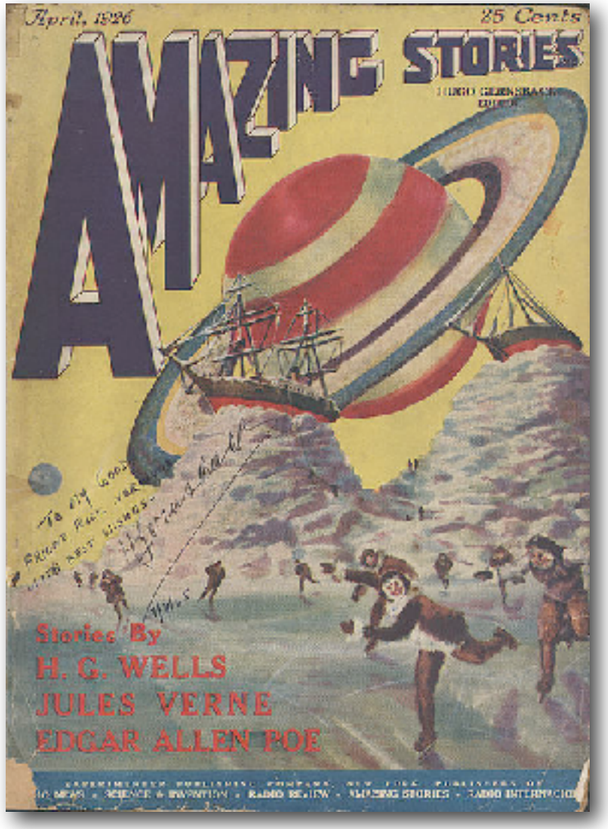
## Conan, Cthullhu, Tarzan, Zorro




ab 1897




ab 1923




ab 1926




ab 1929



# Schmutz und Schund

## Die Verachtung der Unterhaltungsliteratur

1920 Reichsfilmgesetz.

1926 Gesetz zur Bewahrung der Jugend vor Schund- und Schmutzschriffen.

1953 Gesetzes über die Verbreitung jugendgefährdender Schriften.











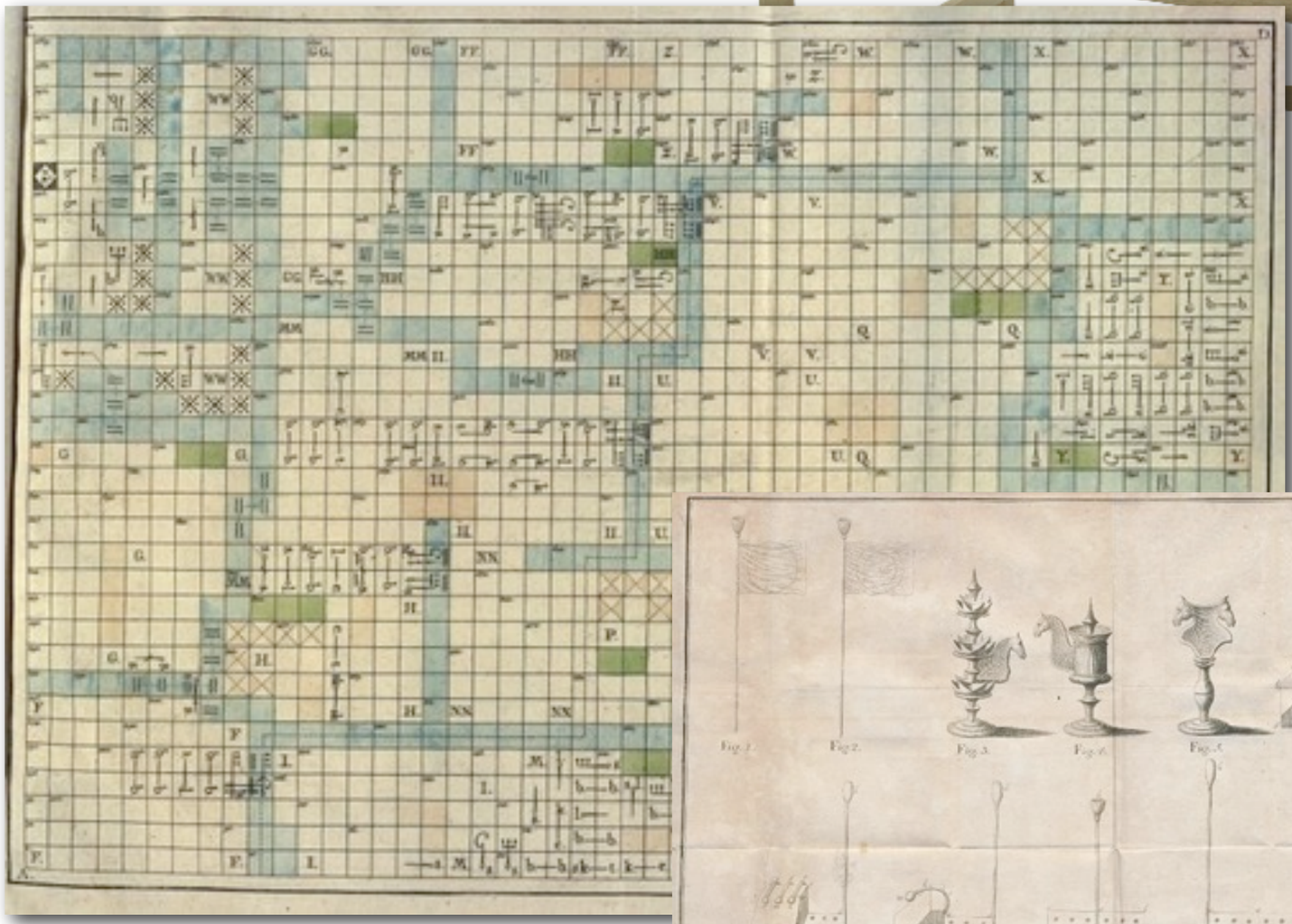

# Spielgeschichte

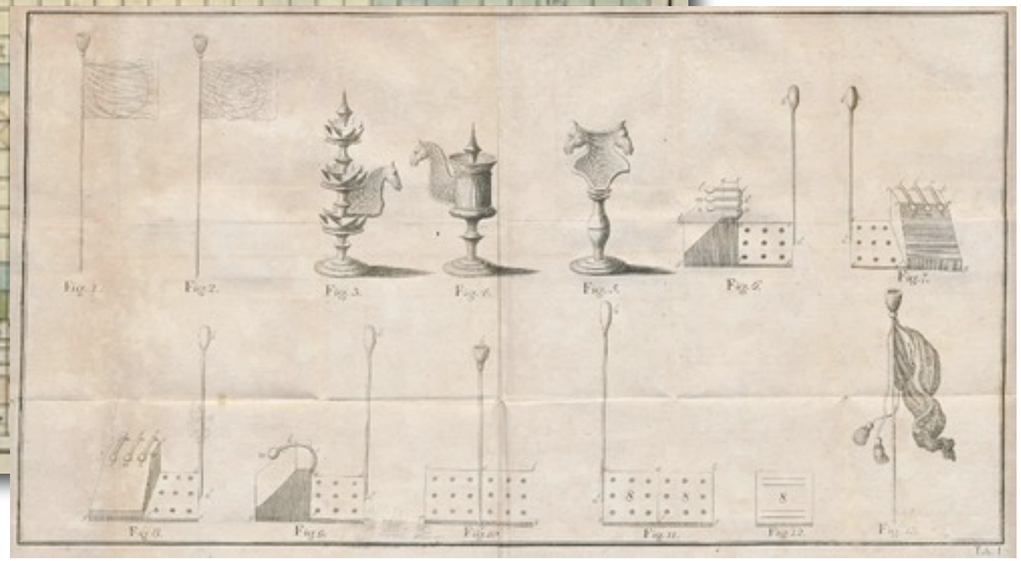


Pieter Brügel d.Ä.
Die Kinderspiele, 1560

# Militärsimulation


Versuch
eines
aufs Schachspiel
gebaueten
taktischen Spiels
von zwey und mehrern Personen
zu spielen
von
M. Joh. Christ. Ludw. Hellwig
Herzoglich-Braunschweig. Pagenhofmeister und Hofmathemat.
auch Mitgliede der Gesellschaft zum Nutzen der Künste und
Wissenschaften zu Frankfurth an der Oder.
Leipzig,
bey Siegfried Lebrecht Crusius, 1780.







1780 Johann Christian Ludwig Hellweg

http://boardgamegeek.com/boardgame/72279/versuch-eines-aufs-schachspiel-gebaueten-taktische

# Brettspiele: Kriegsspiel

## Georg Leopold von Reiswitz, 1812

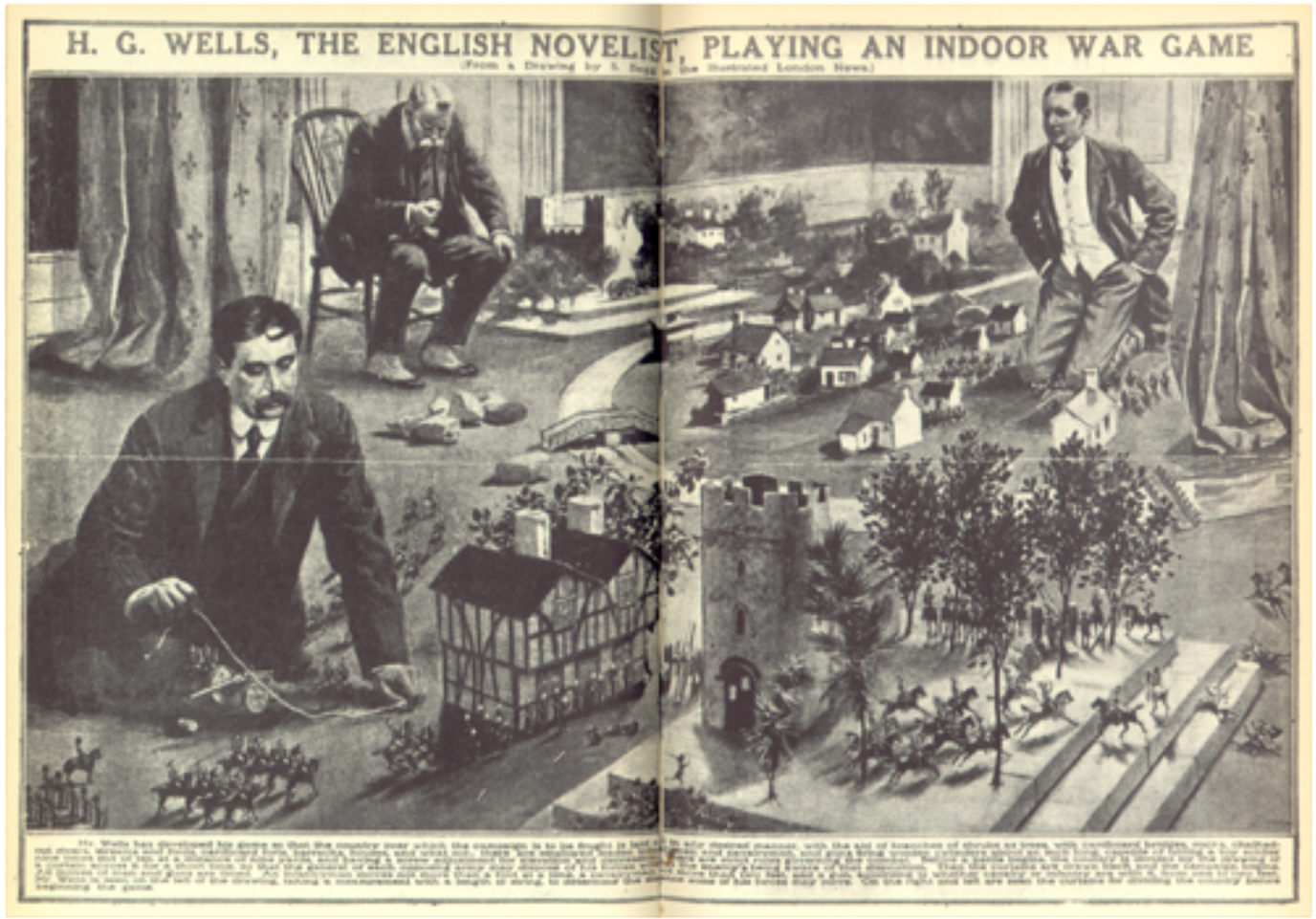


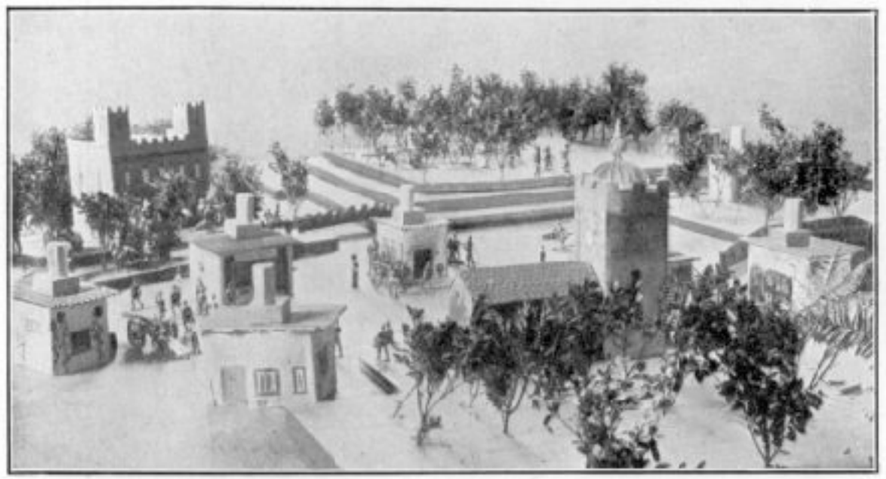



# Little Wars

## H.G. Wells 1913

Little Wars: a game for boys from twelve years of age to one hundred and fifty and for that more intelligent sort of girl who likes boys' games and books.



http://www.gutenberg.org/files/3691/3691-h/3691-h.htm



SHOWING COUNTRIES PREPARED FOR THE WAR GAME.

# Spielautomaten

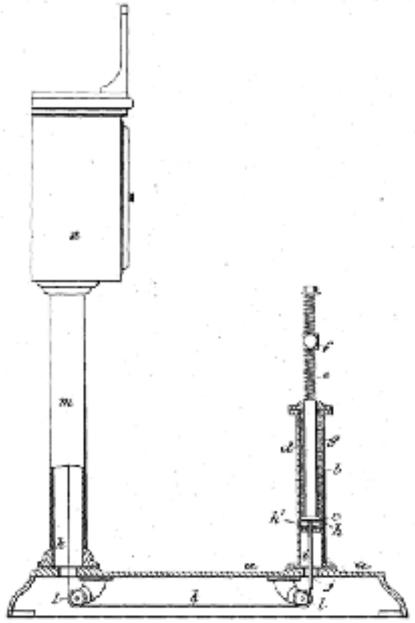
(No Model.) 1 Sheets—Sheet 1.

R. W. PAGE.

COIN OPERATED STRENGTH TESTING MACHINE.

No. 373,942. Patented Nov. 29, 1887.

Fig 1.



Witnesses
Wm. F. Hutton
Thos. M. Tarbell

Inventor
Robert W. Page
by John J. Halsted & Son
his Attys.

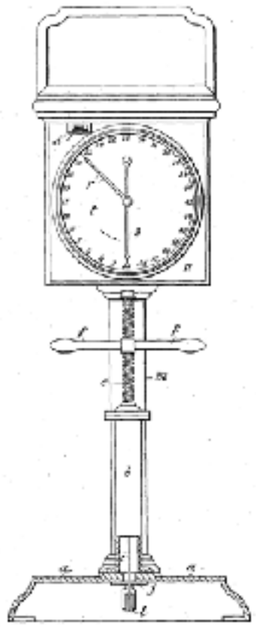
(No Model.) 1 Sheets—Sheet 2.

R. W. PAGE.

COIN OPERATED STRENGTH TESTING MACHINE.

No. 373,942. Patented Nov. 29, 1887.

Fig 2.



Witnesses
Wm. F. Hutton
Thos. M. Tarbell

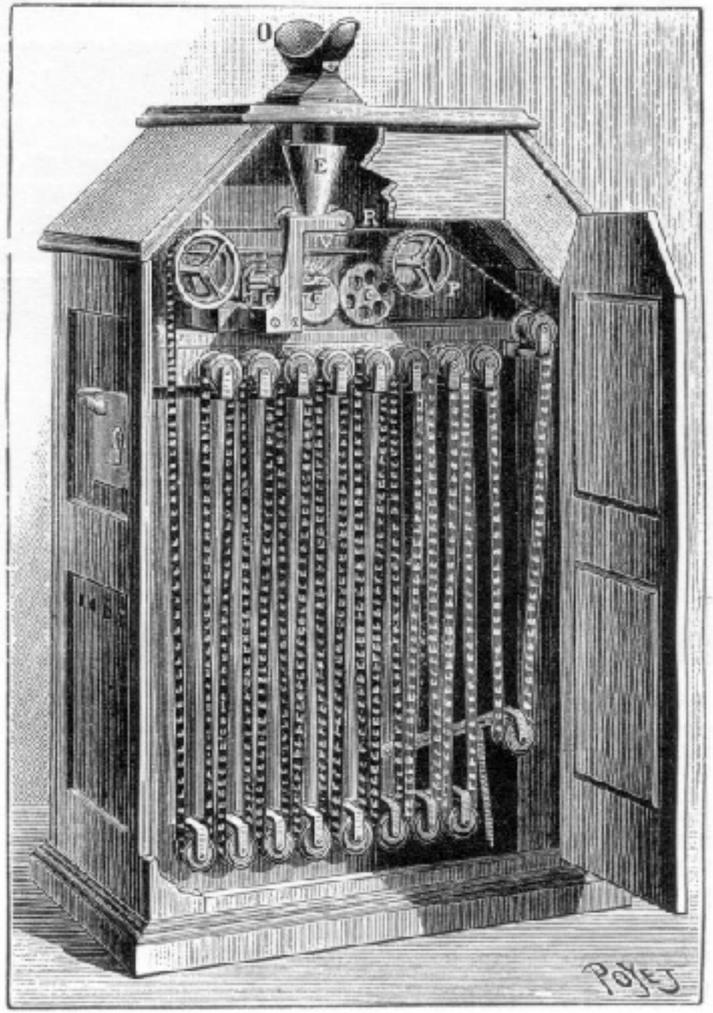
Inventor
Robert W. Page
by John J. Halsted & Son
his Attys.



Try your luck, 1890

# Kinetoscope / Kinetophone







Edison, ab 1894






The Handshake
»Uncle Same«
Floor Athletic Machine
1904-1905




# Ballerspiel

Target Skill Counter Target Game
1926-1930







Princess Doraldina
1928-1932


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MACHINE GUN
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Air Rider





1940 Air Raider







Arthur Paulin, Whiffle Board 1930




Ballyhoo 1931

# Pinball / Flipper



Happy Days, 1934




Humpty Dumpty, 1947




Spot Bowler, 1950


ARCADE
SPORTLAND
PENNY
FREE
ADMISSION
ARCADE
PENNY
ARCADE

1941




Penny Arcade
Rolling Green Park
1941