# Geschichte und Ästhetik der audiovisuellen und digitalen Medien II

1960-1972

Prof. Dr. Jochen Koubek

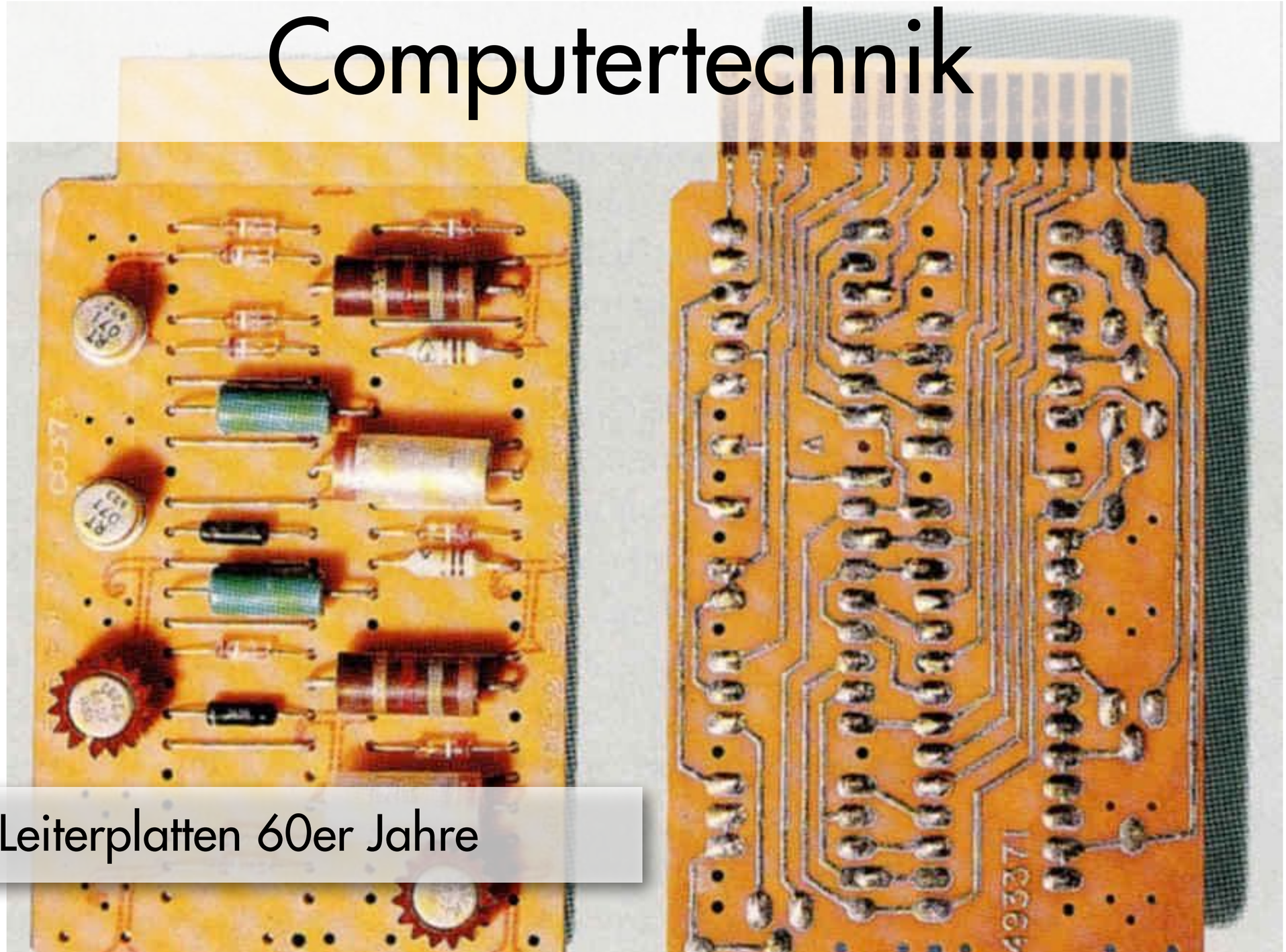


# Technikgeschichte




# Whirlwind

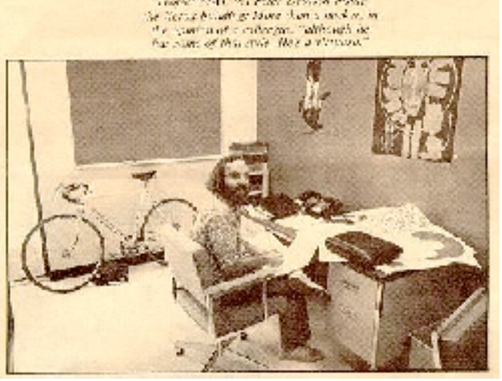
# Computertechnik



Leiterplatten 60er Jahre


TX-0

# MIT – Hackers



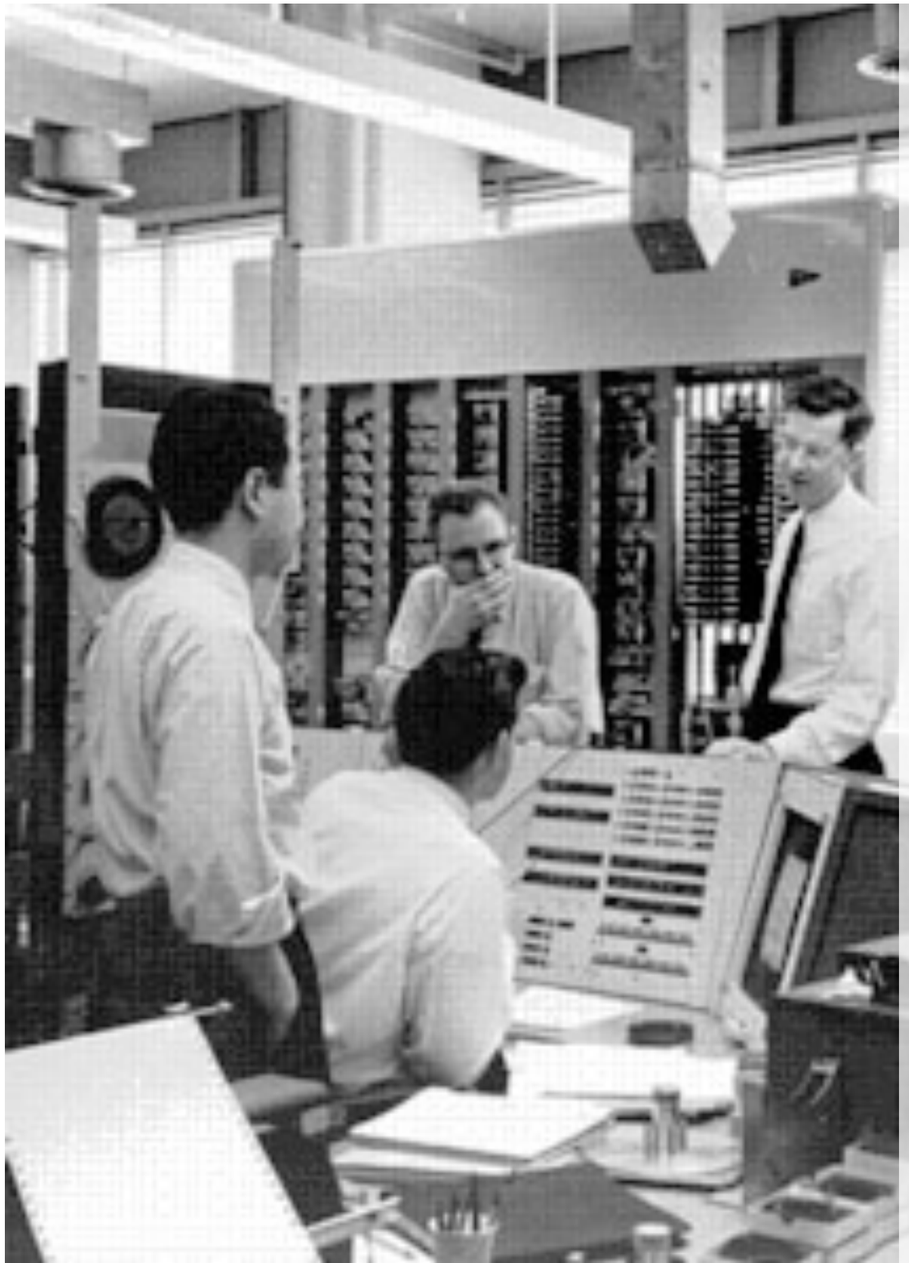
Peter Deutsch



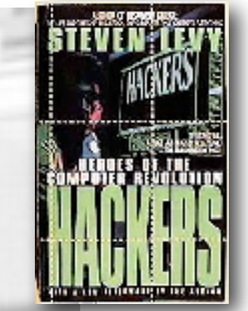
Richard Greenblatt



Bill Gosper



TX-0 «Tixo»




Access to computers should be unlimited and total.

Always yield to the Hands-On Imperative

All information should be free.

Mistrust authority--promote decentralization.

Hackers should be judged by their hacking.

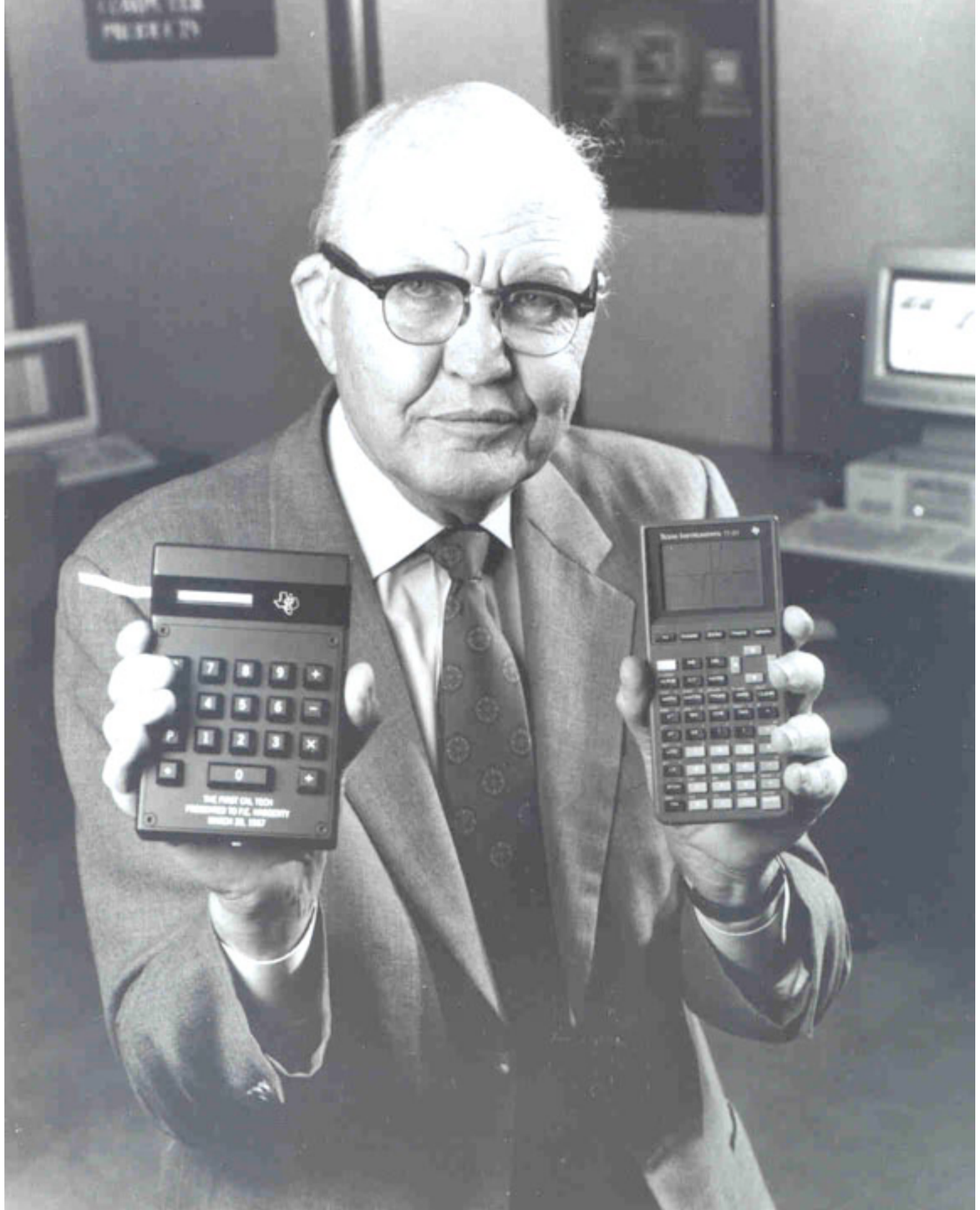
You can create art and beauty on a computer.

Computers can change your life for the better.

# TX-2

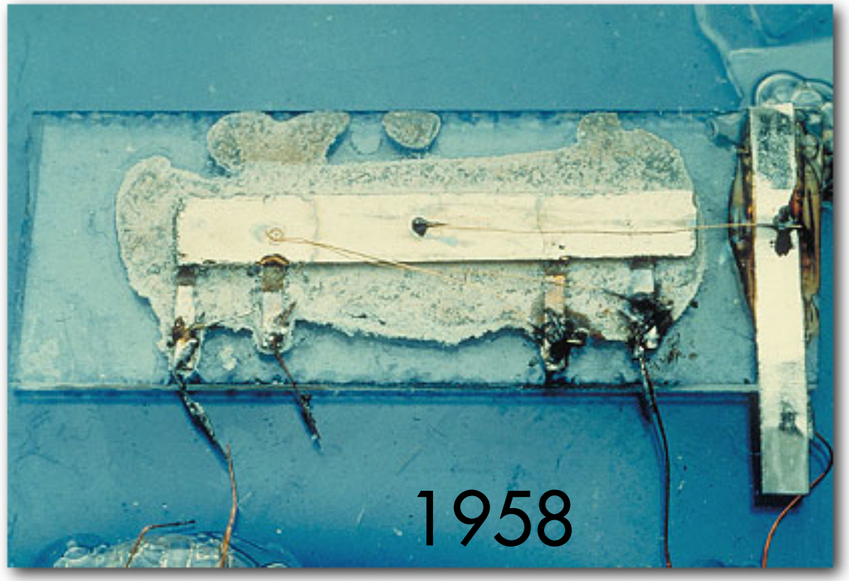


Transistorized Experimental Computer
TX-2 am MIT, 1958



# Jack Kilby

Integrierter Schaltkreis



# PDP-1

Programmed Data Processor

Programmed Data Processor
Prototyp ab Dez. 1959

Ab PDP-5 tragen sie die Bezeichnung
Mini-„Computer“



DEC, 1960

# Timesharing

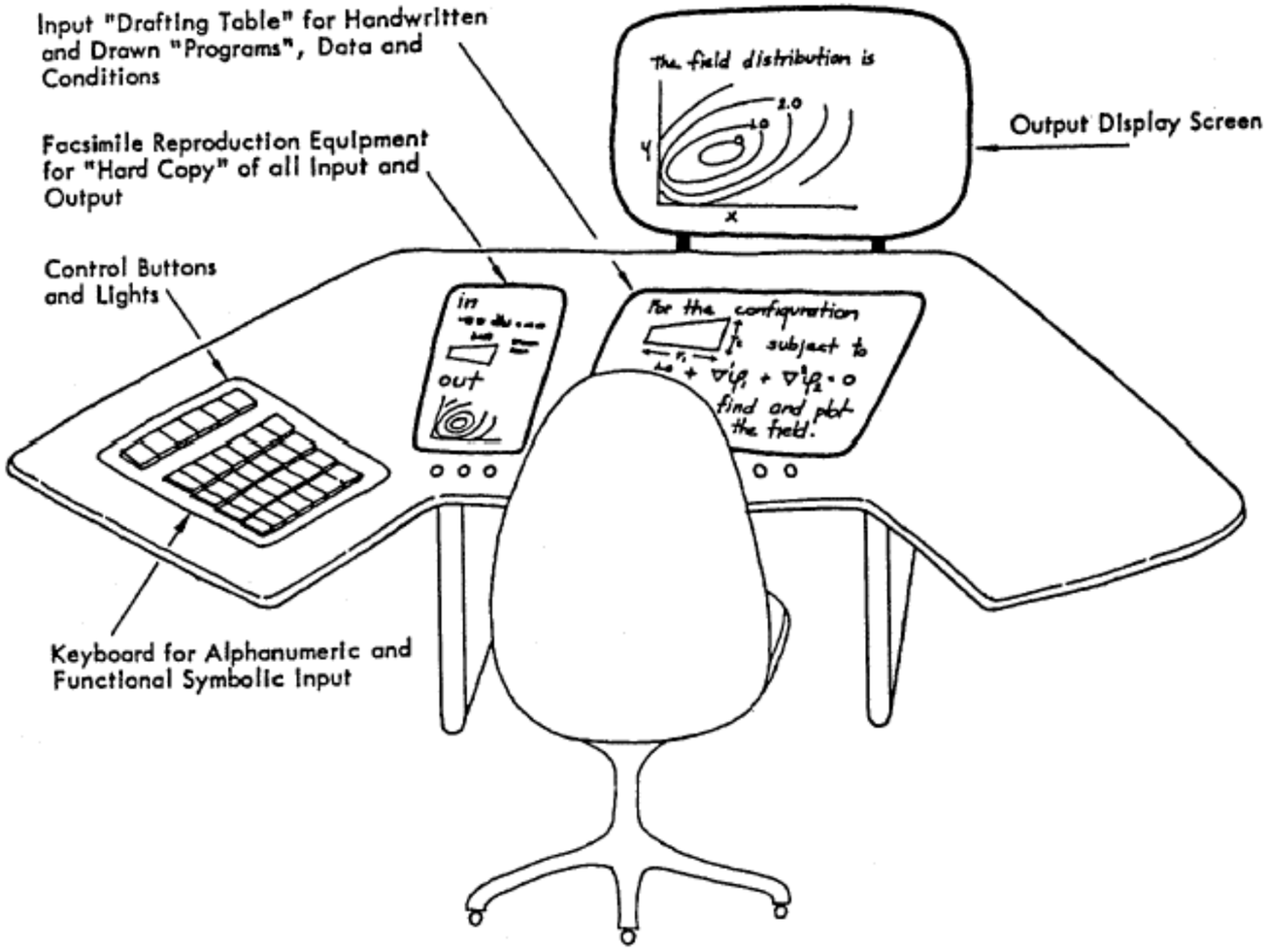
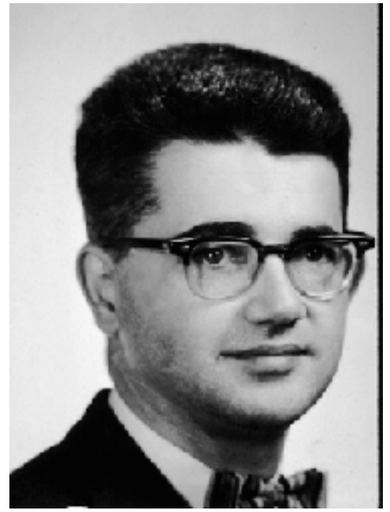



*Abbildung 32. Herbert Teagers ambitionierter Entwurf eines Computerterminals von 1961. Teager leitete zu Beginn der sechziger Jahre eine der Time-Sharing-Forschungsgruppen am MIT, die aber bald zugunsten des pragmatischeren Project MAC aufgelöst wurde.*



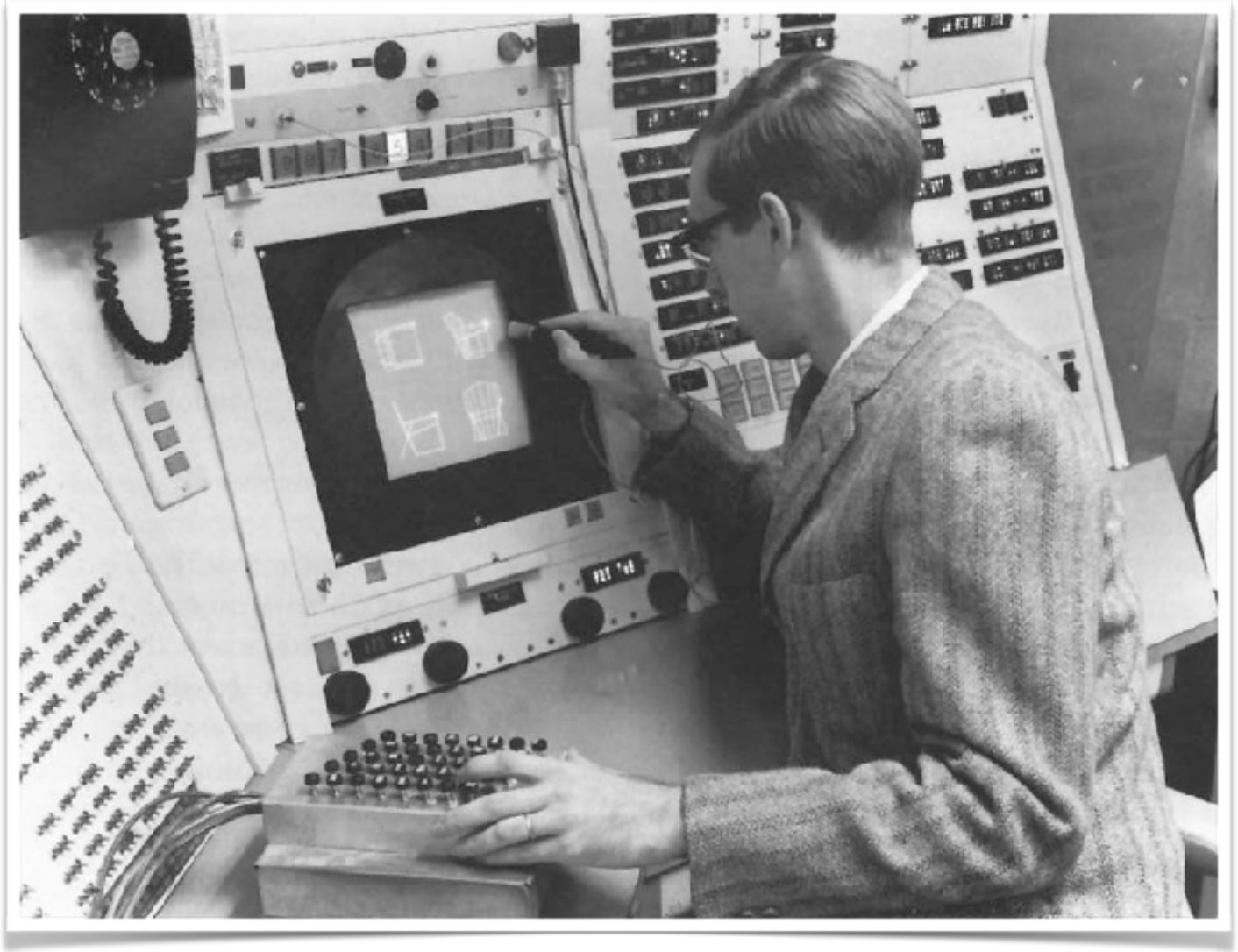
Bob Bemer,



John McCarthy,

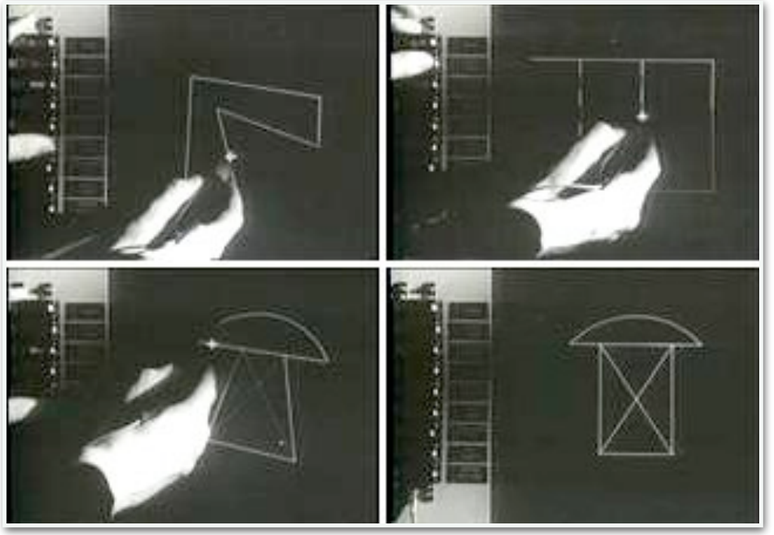
Überlegungen ab 1955

um 1961: Compatible Time Sharing System (CTSS) auf der IBM 7090 am MIT und auf der PDP-1 bei Bolt Beranek und Newman (BBN)



HCI, GUI, CAD, OOP auf dem TX-2 am MIT

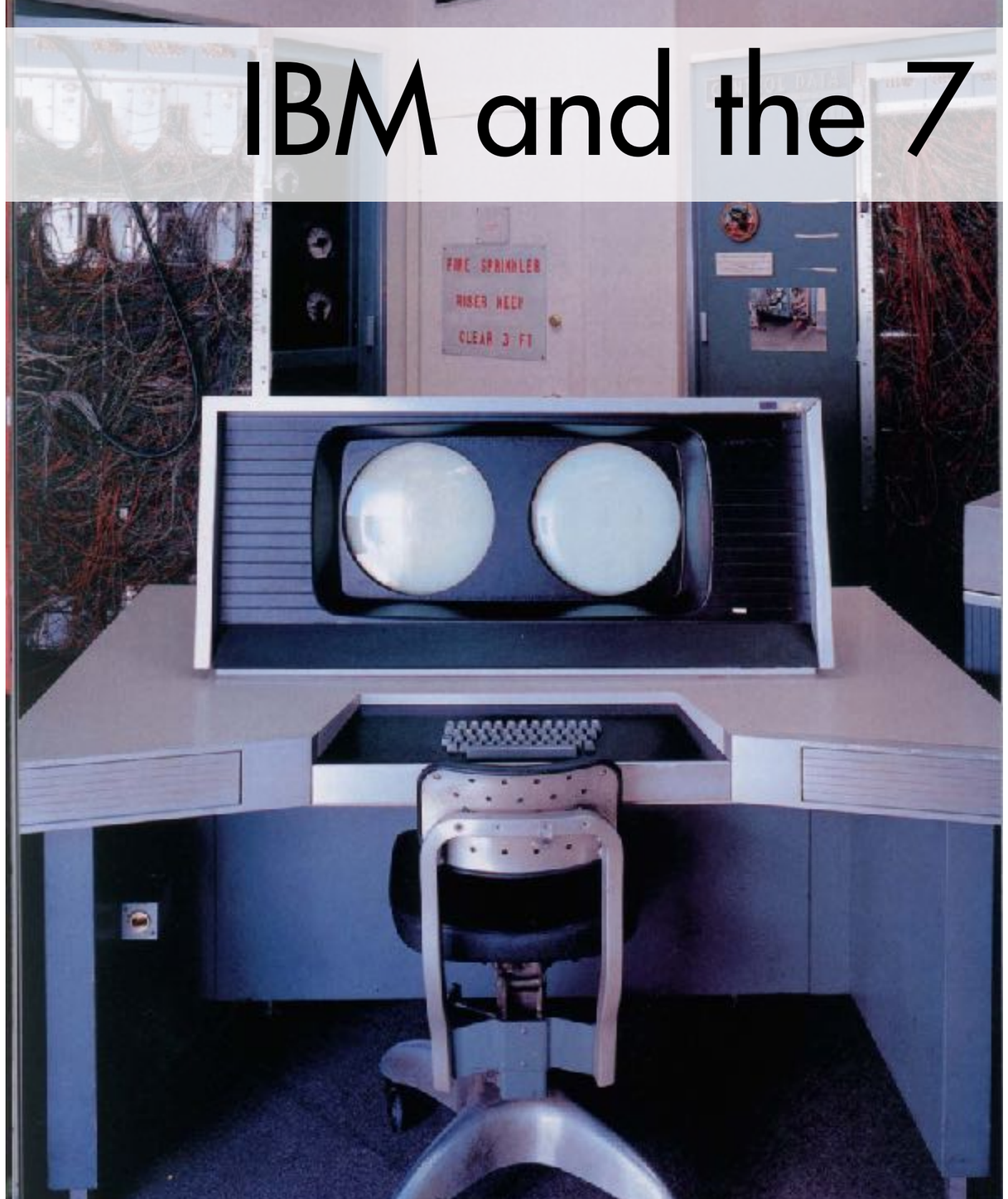
# Sketchpad



Ivan Sutherland

1962

# IBM and the 7 Dwarfs

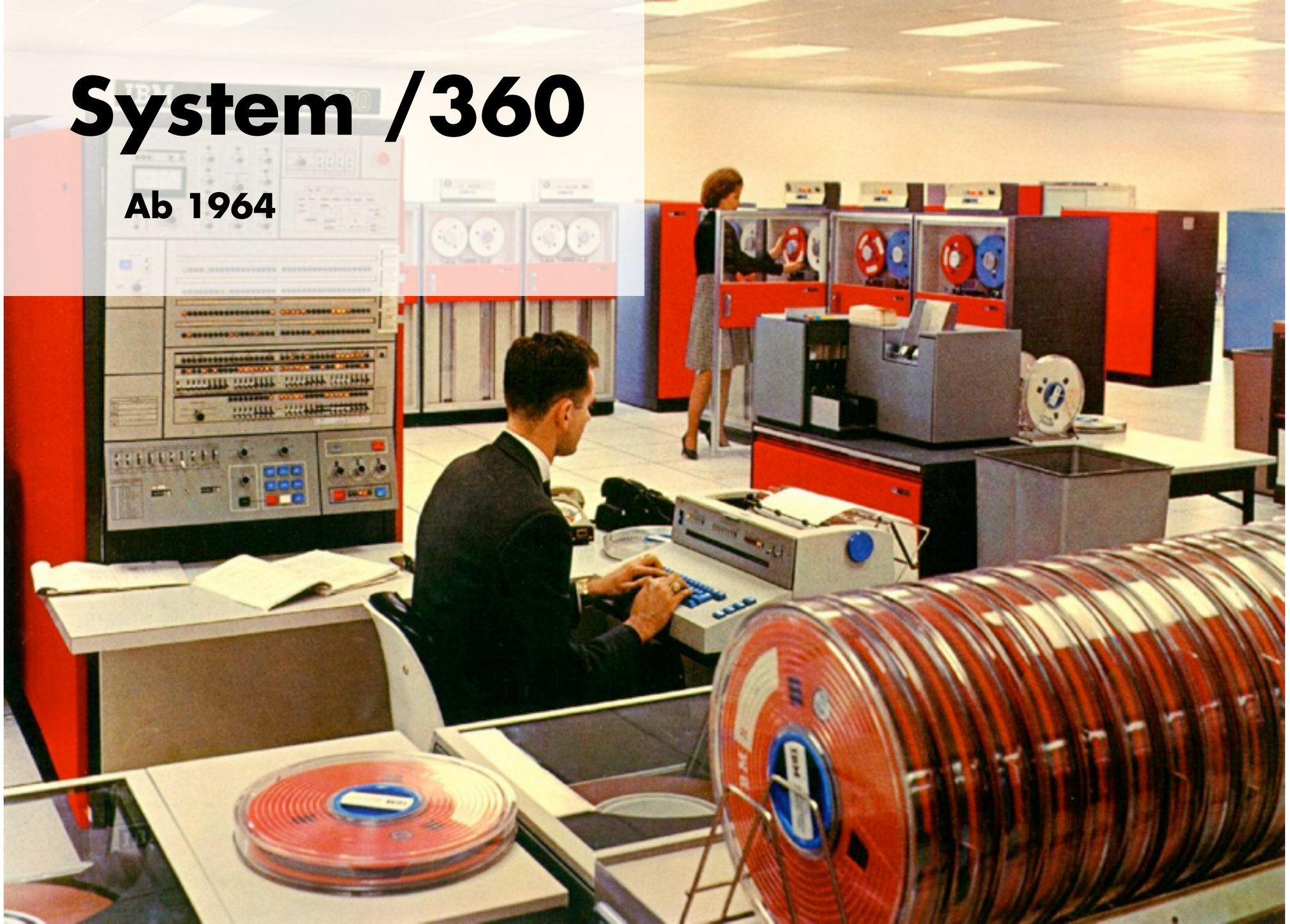



CDC 6600, 1964

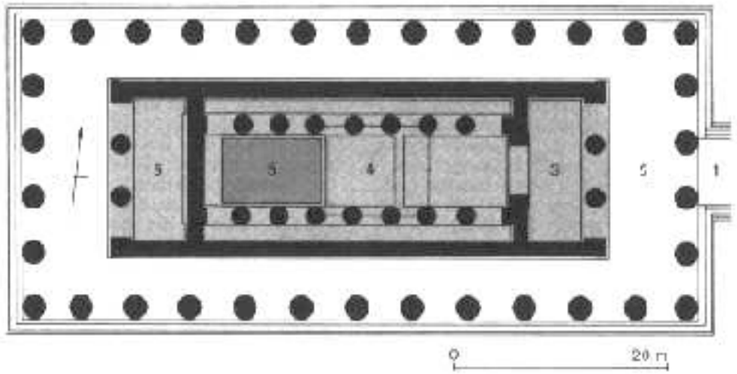
- Burroughs
- CDC
- General Electrics
- Honeywell
- NCR
- RCA
- Univac/Remington Rand

# System /360

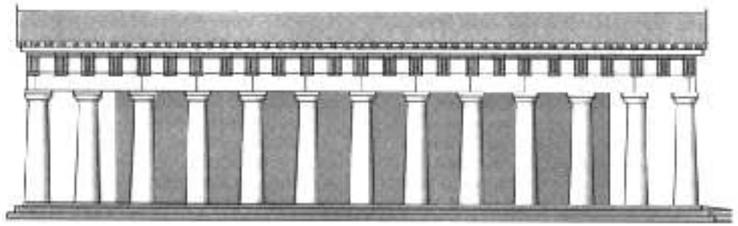
Ab 1964

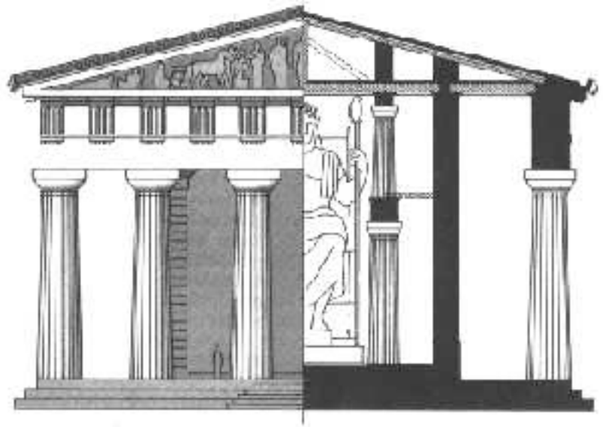


# Kult- & Rechenzentren




Griechische Tempelarchitektur



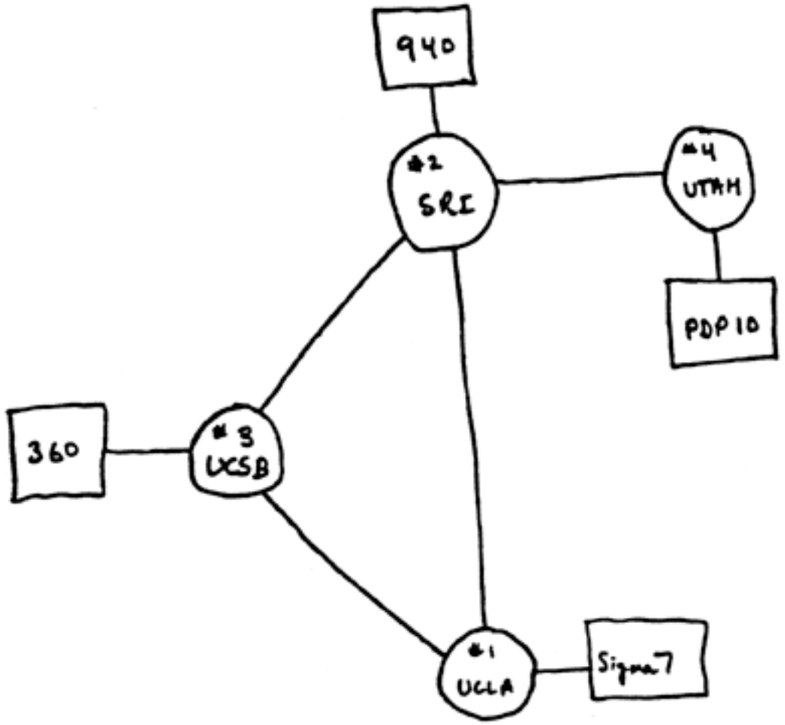








# ARPANET
1969






Truett Thach, Bill Bartel, Dave Walden, Jim Geisman, Bob Kahn, Frank Heart,
Ben Barker, Marty Thrope, Will Crowther, Severo Ornstein

# Visionen




Albert Robida:

Le XXe Siécle, Paris 1883



1969

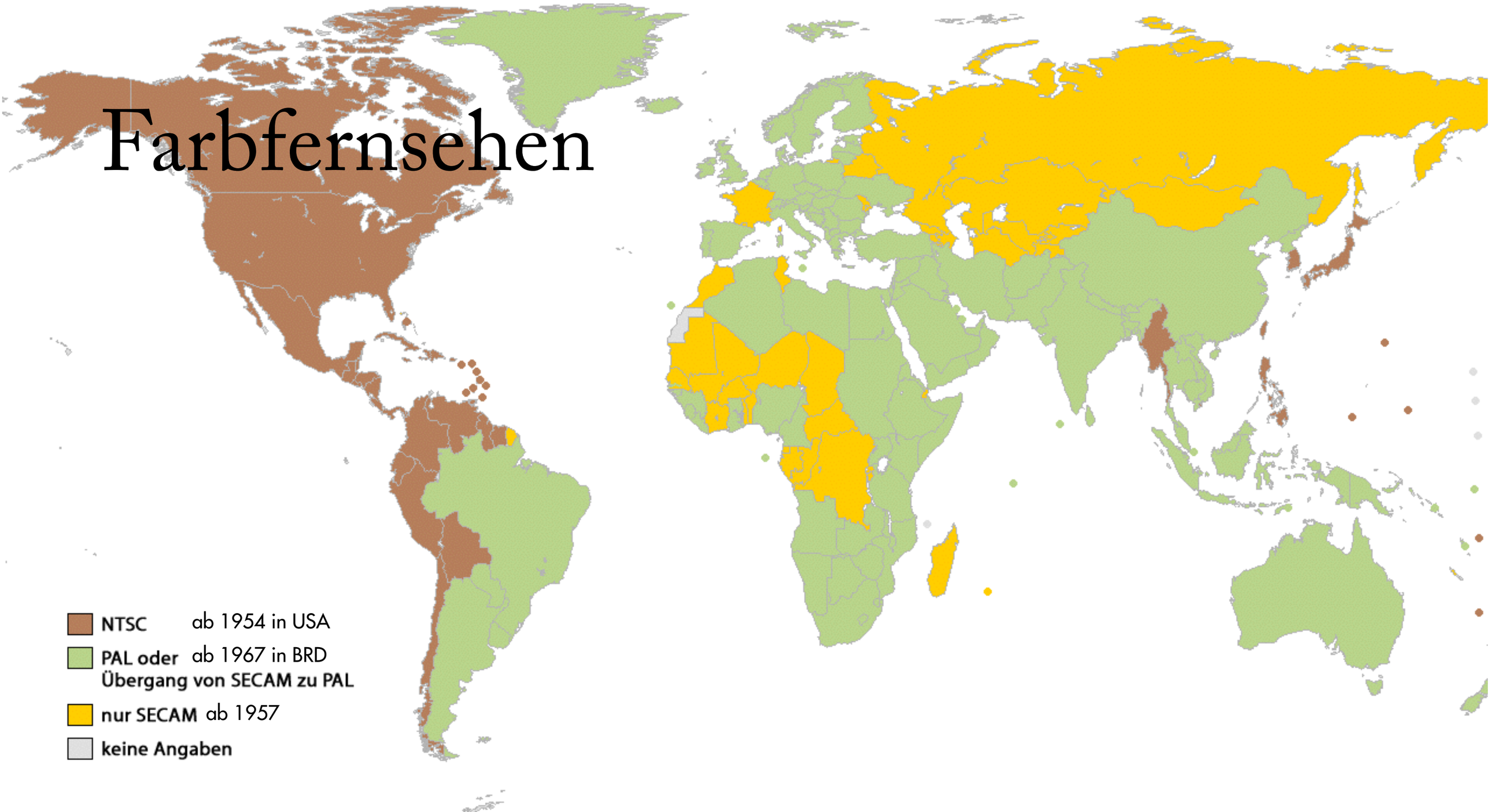
http://www.youtube.com/watch?v=Y0pPfyYtiBc

# E-Mail, @-Schreibweise




Ray Tomlinson, 1971

# Farbfernsehen



# Tonbandkassette






Philips, EL3300
ab 1963

# Zeitgeschichtlicher Kontext

# Vietnamkrieg, 1957-1975






# Kubakrise 1962

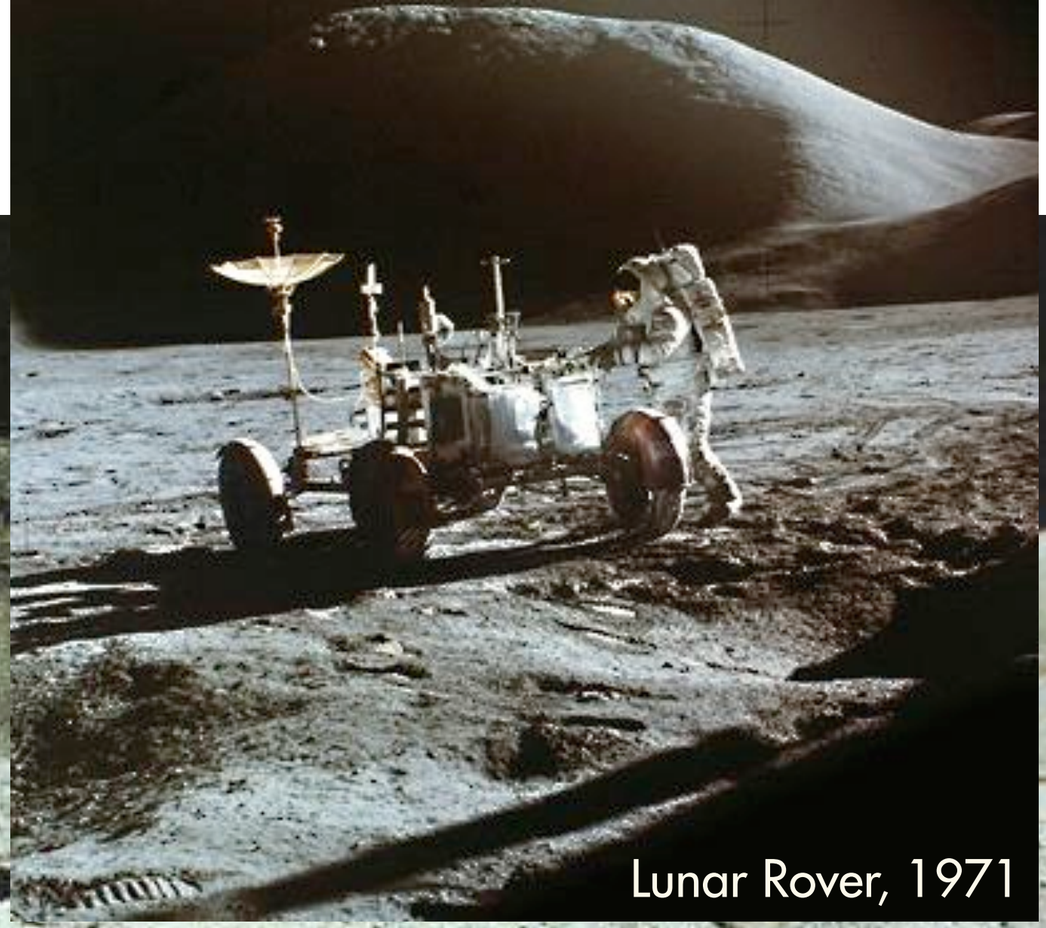


# Summer of Love

1967-1969

# Mondlandung

Apollo 11, 1969

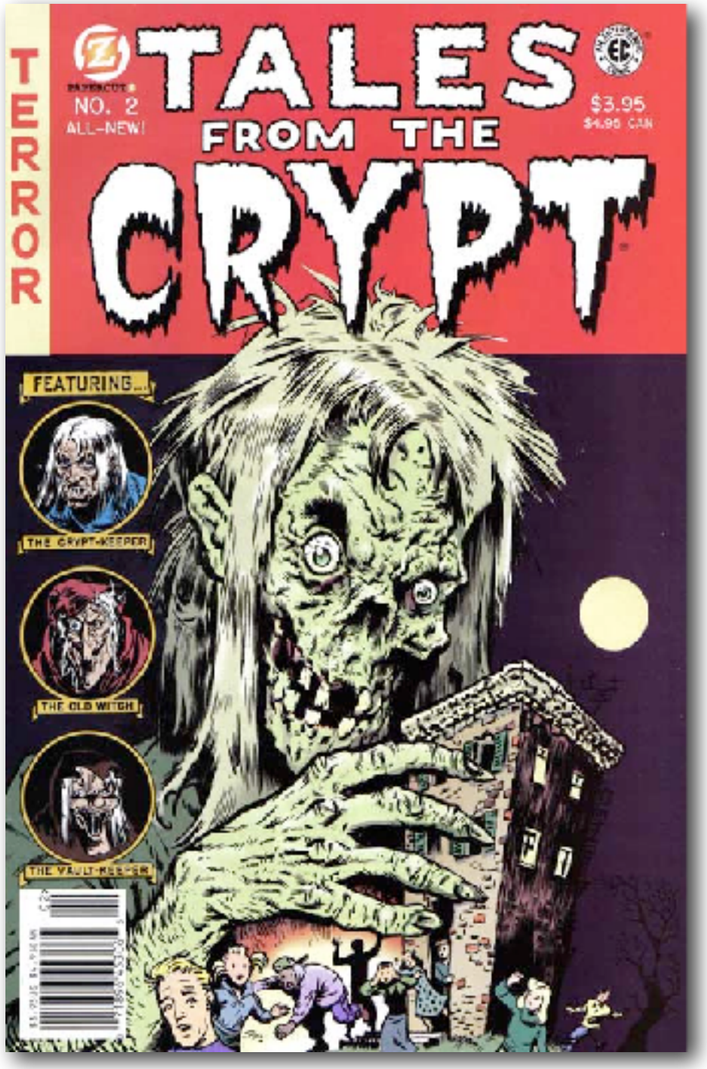


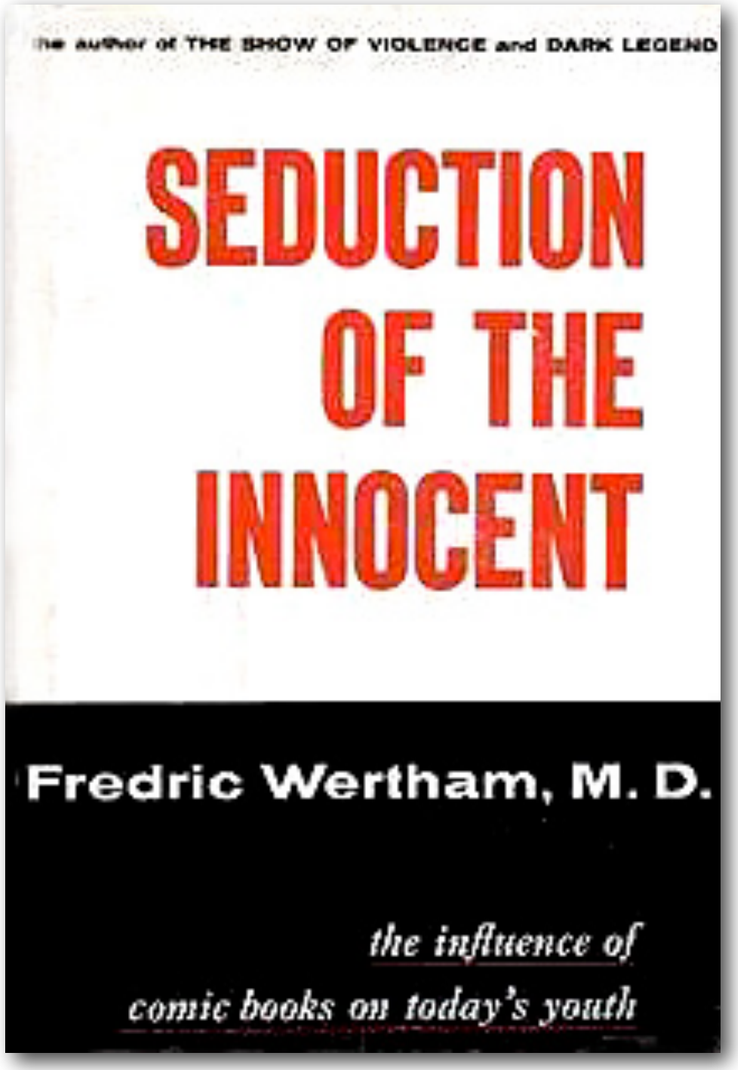
Lunar Rover, 1971

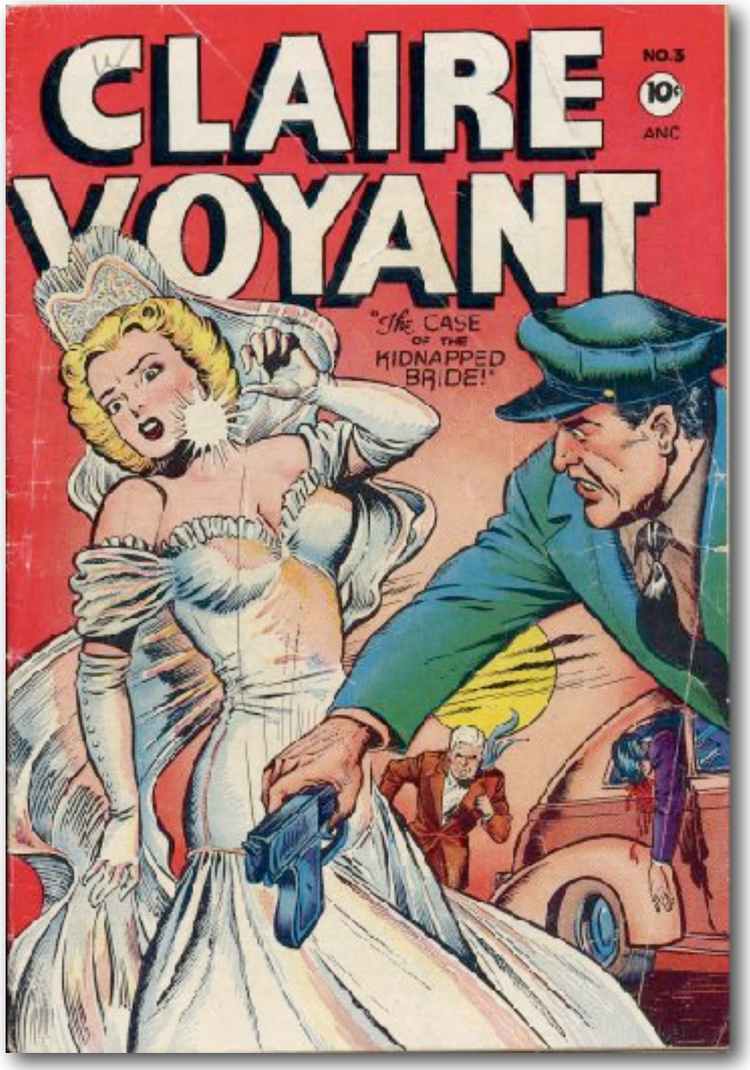
# Kulturgeschichte

# Amerika: Comic Code, ab 1954

http://www.seductionoftheinnocent.org



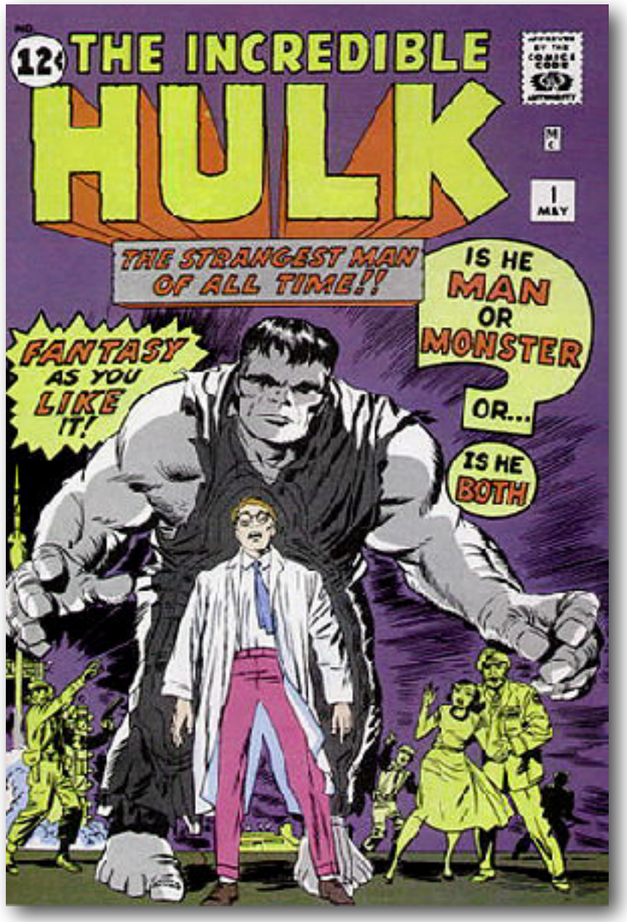
# Marvel Super Heroes




ab 1961




ab 1962




ab 1962




ab 1963

# Japan: Manga




Osamu Tezuka: Ribbon no Kishi, 1953-59




Shōnen Magazin, ab 1959




Tetsujin 28-gō, ab 1956, hier 1962

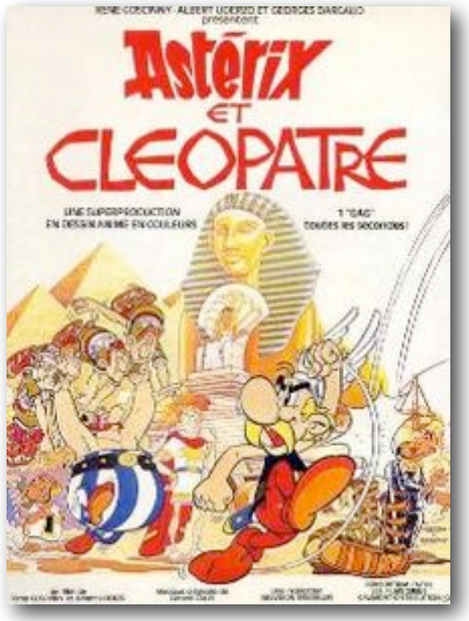
# Trickfilm



1963 Wanpaku Ōji no Orochi Taiji
The Little Prince and the Eight
Headed Dragon




1963 The Sword in the Stone

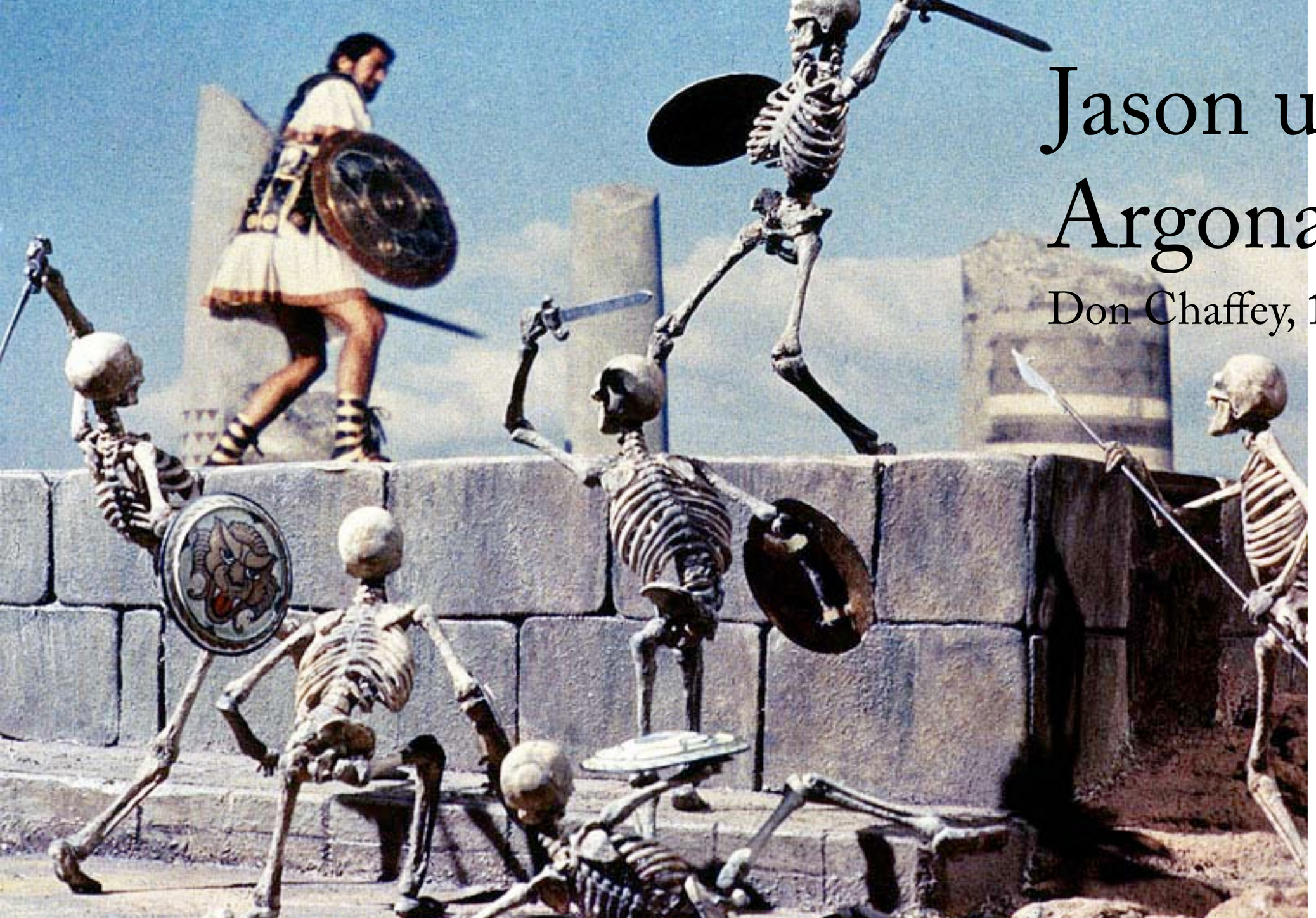



1968 Asterix et Cléopatre

# James Bond



Jagt Dr. No, 1962



# Jason und die Argonauten

Don Chaffey, 1963

# Science Fiction



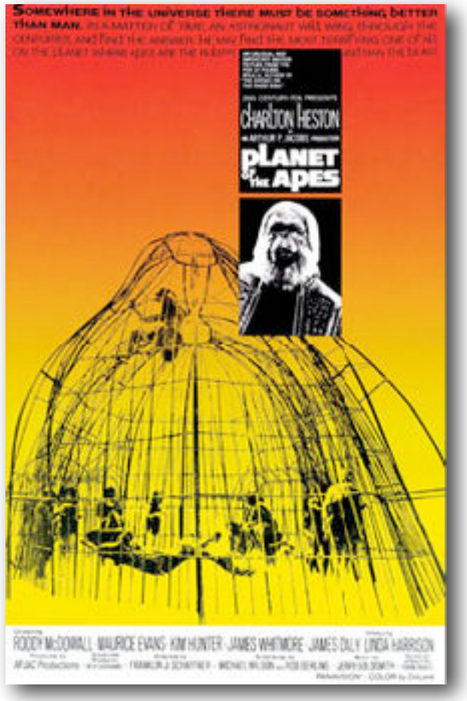

Time Machine, 1960




King Kong vs. Godzilla, 1962




Fahrenheit 451, 1966



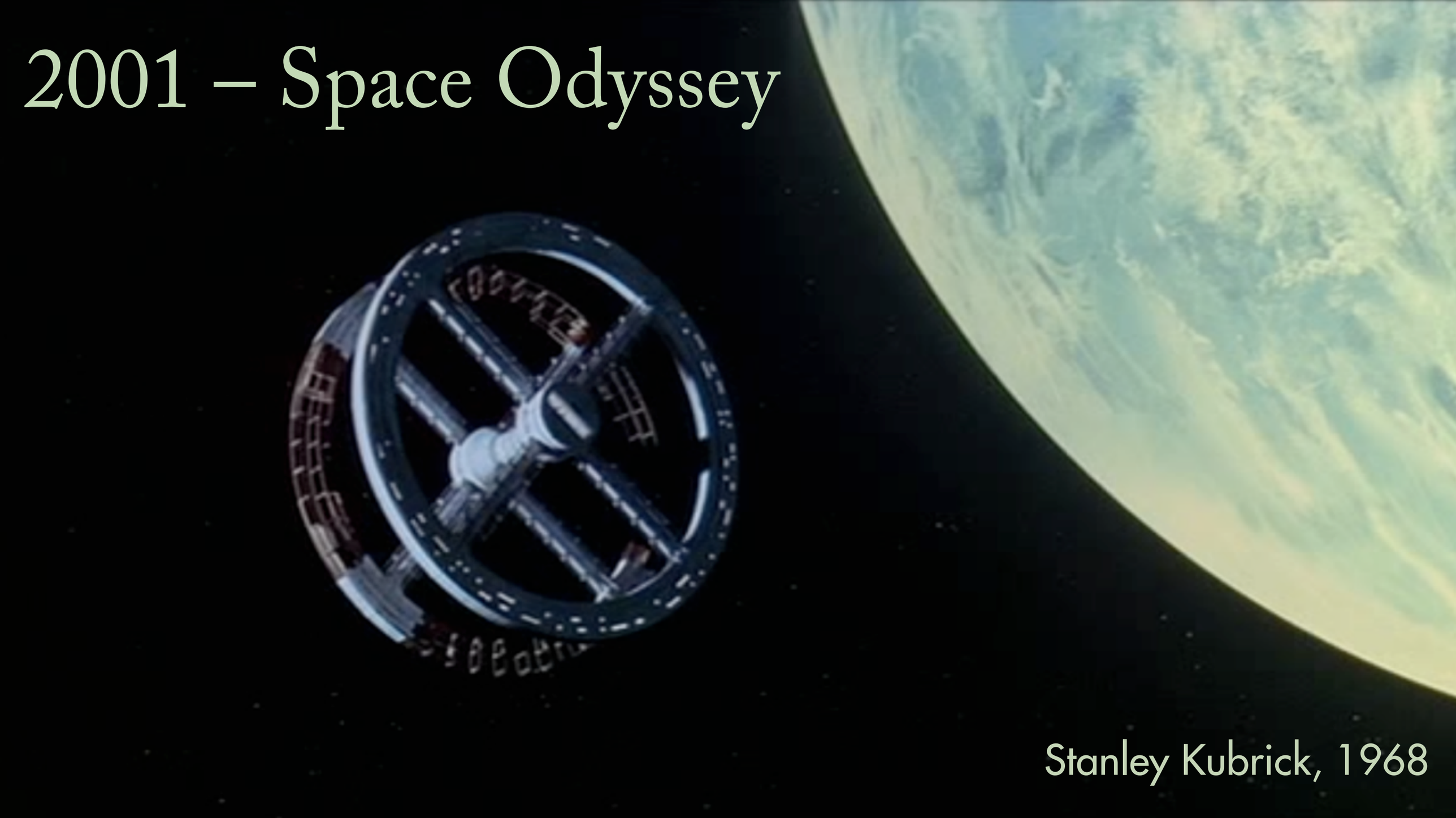

Planet of the Apes, 1968



# Star Trek

1966 – 1969

# 2001 – Space Odyssey



Stanley Kubrick, 1968



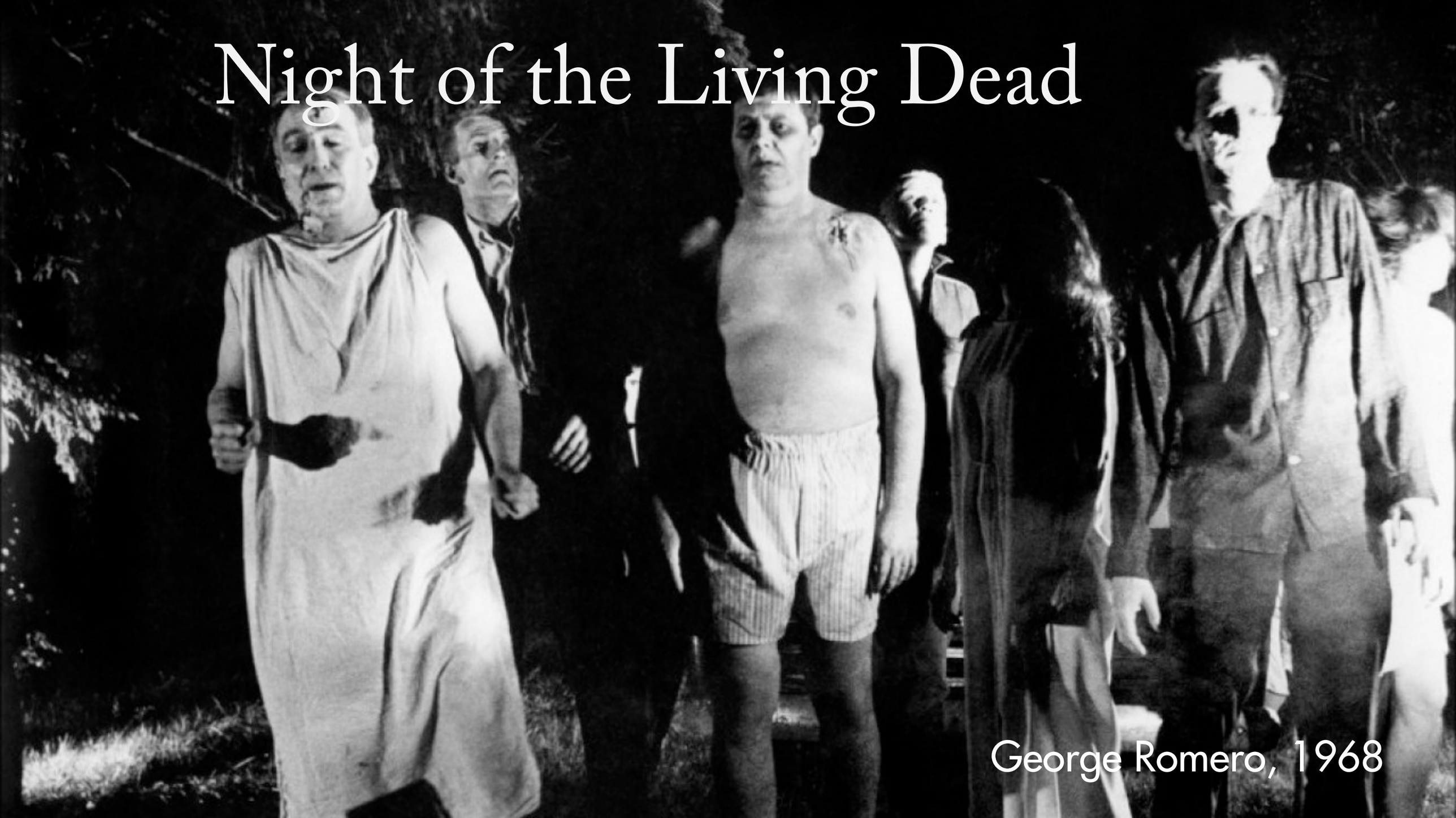

# The Andromeda Strain



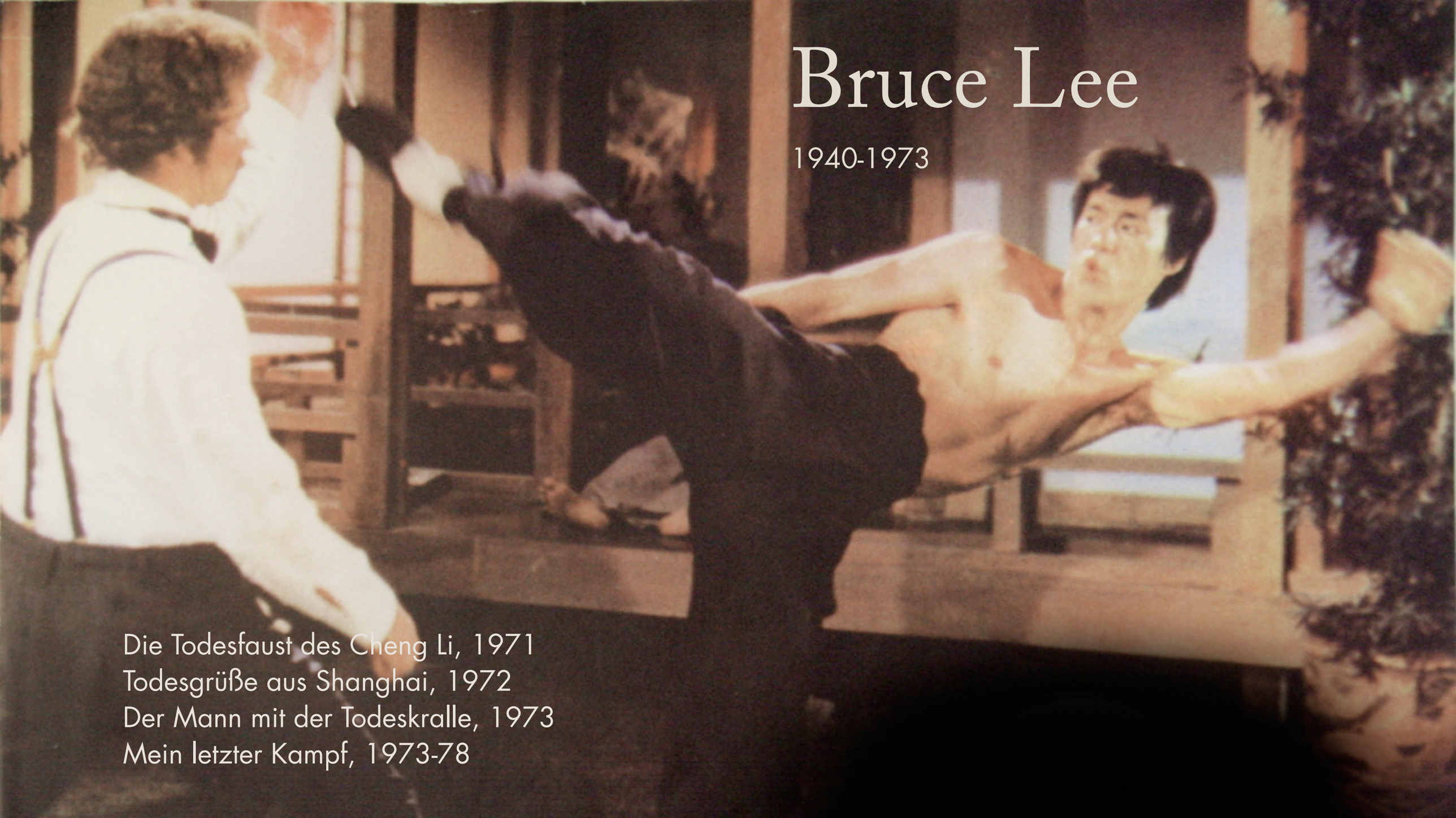
The Andromeda Strain (1971)

http://youtu.be/A6CSvuaWOFc?t=4m7s

# Night of the Living Dead



George Romero, 1968



# Bruce Lee

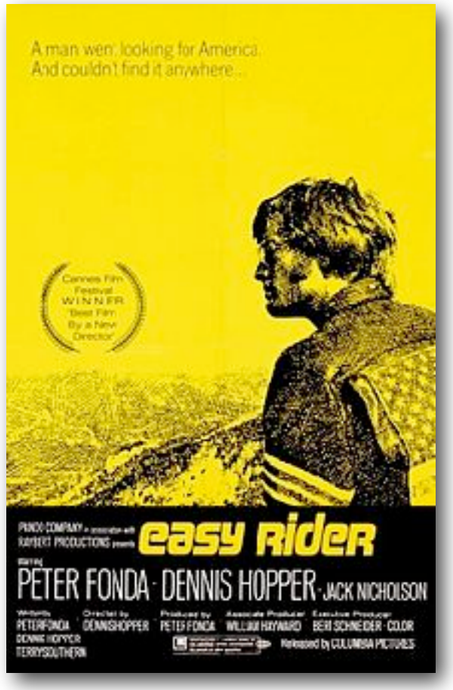
1940-1973

Die Todesfaust des Cheng Li, 1971
Todesgrüße aus Shanghai, 1972
Der Mann mit der Todeskralle, 1973
Mein letzter Kampf, 1973-78

# New Hollywood

ab 1967

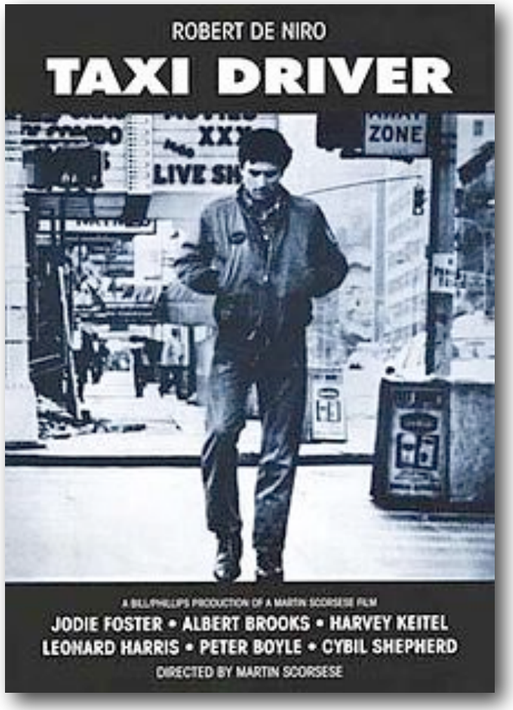








# Spielgeschichte

# Shooter

## Spacewar!



Steve Russel, J. Martin Graetz
und Wayne Witanen
MIT, 1961-62.

## Galaxy Game 1971



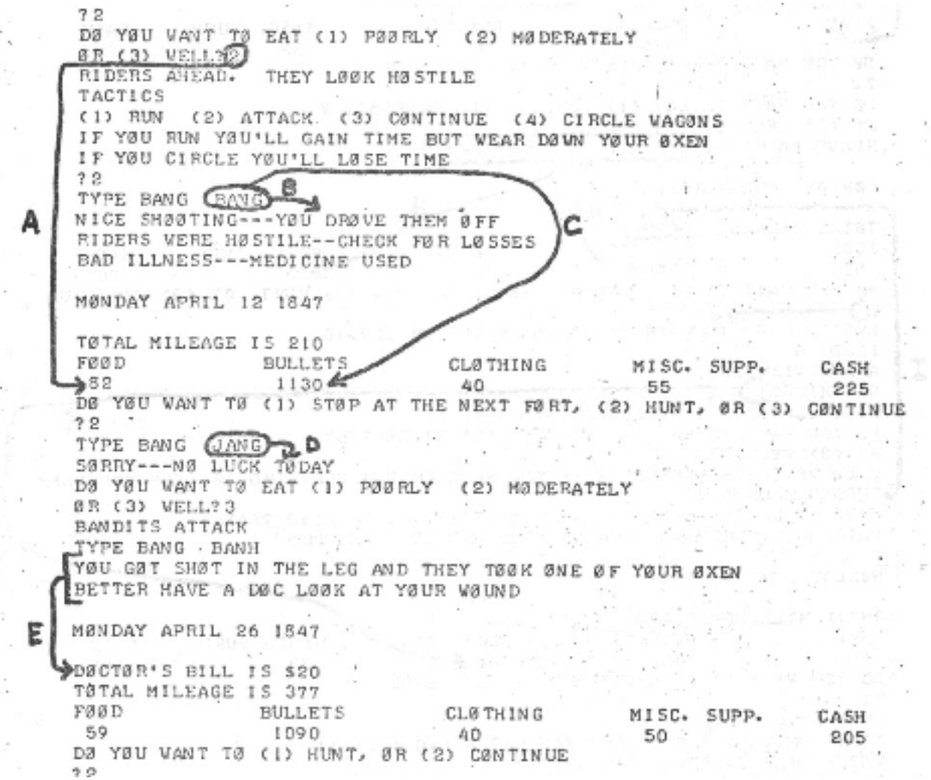
Bill Pitts, Hugh Tuck

## Computer Space




Nolan Bushnell, 1971

# Lernspiele

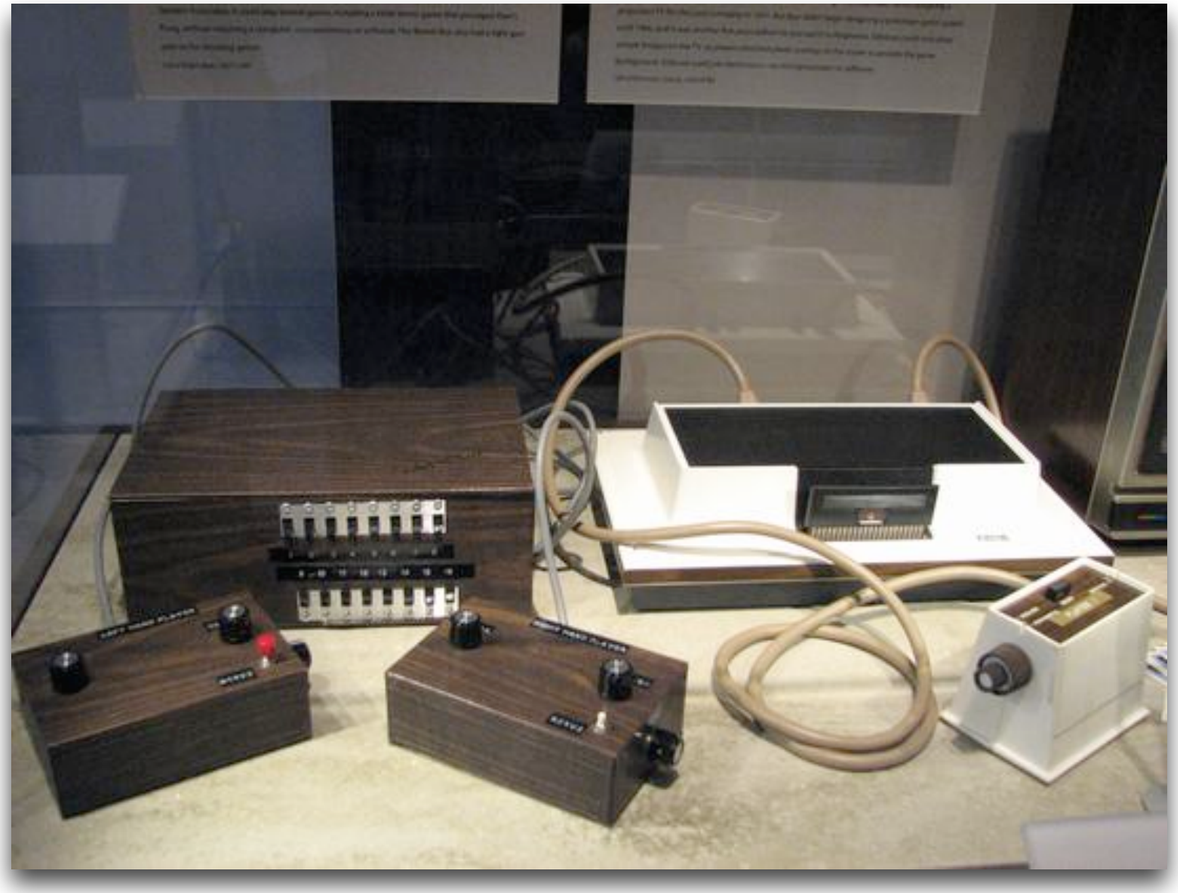



http://www.apolitical.info/webgame/westward/

The Oregon Trail

ab 1971

# Konsole der 1. Generation
# Magnavox Odyssey, 1972



Ralph Baer, 1972 (Prototyp 1967)

https://www.youtube.com/watch?v=0MnRkPvIjKE

