

# Konrad Zuse

- och datorn som Hitler ratade

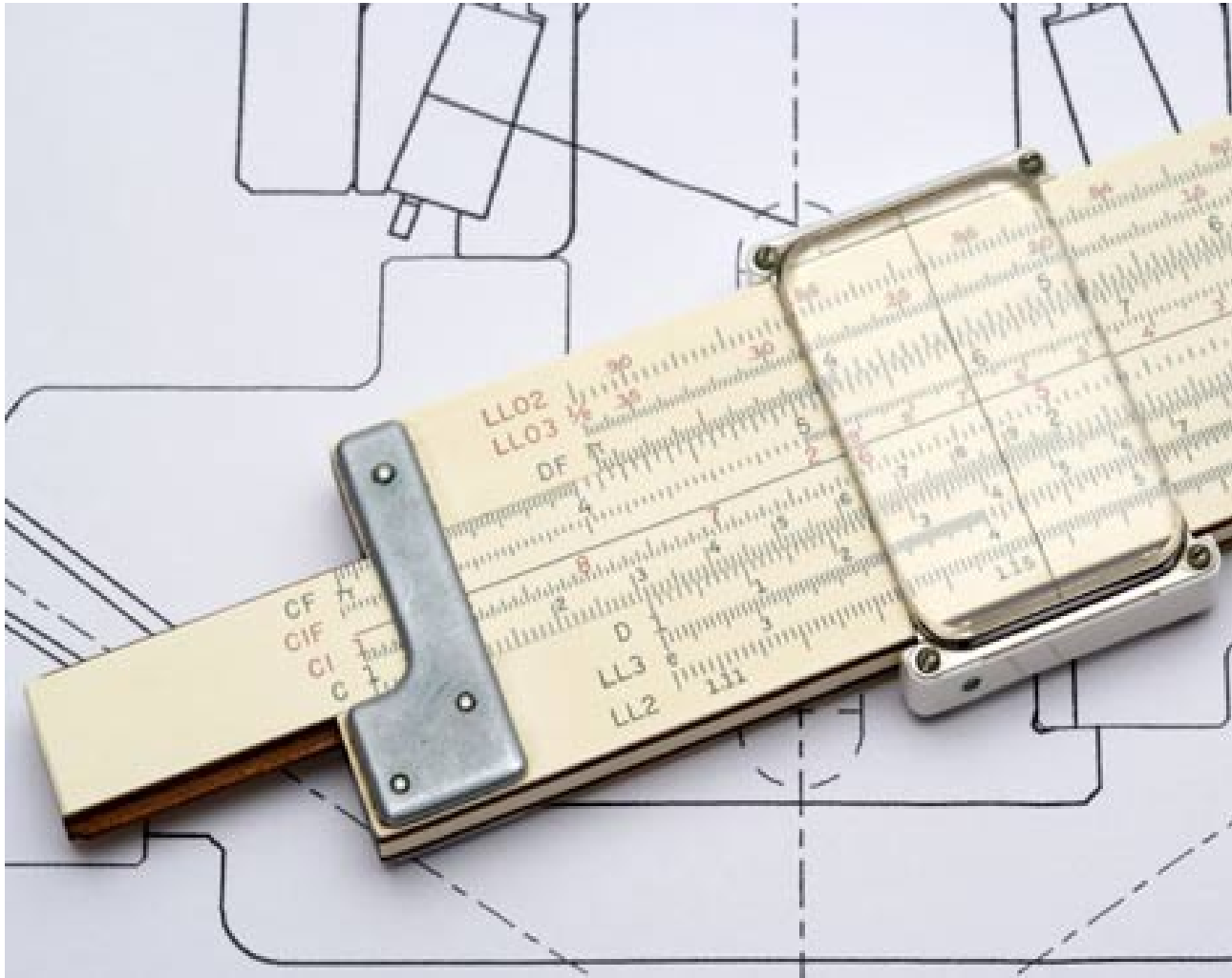


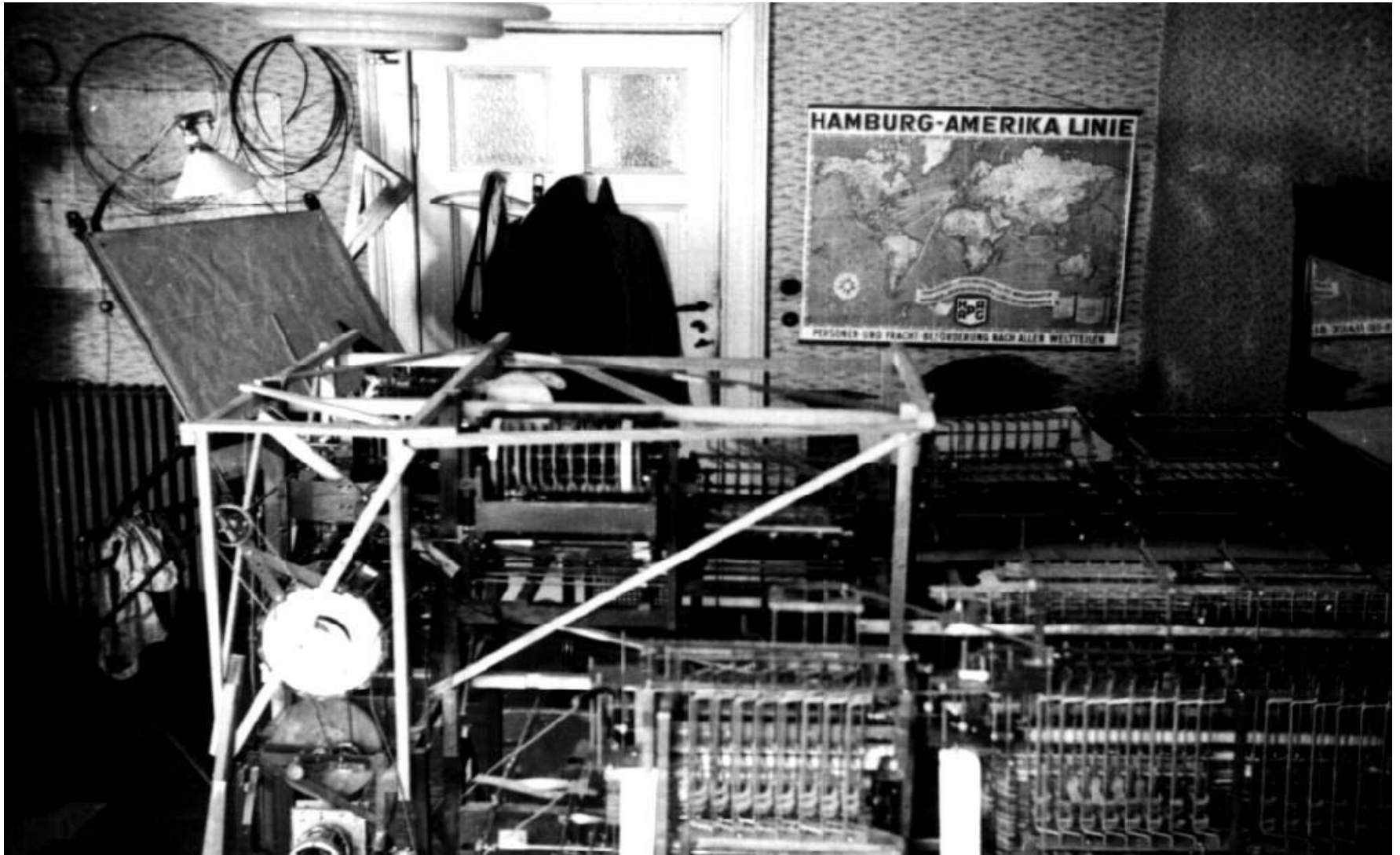
Morgan Eklöf

<http://fordomsteknik.se/>



1926





1938: Z1

30.000

1.000 kg

64 ord, 22 bitar

**1 Hz**



**+ : 5 s**

**÷: 10 s**

dammsugarmotor

**-4711.23**

**-0.471123**

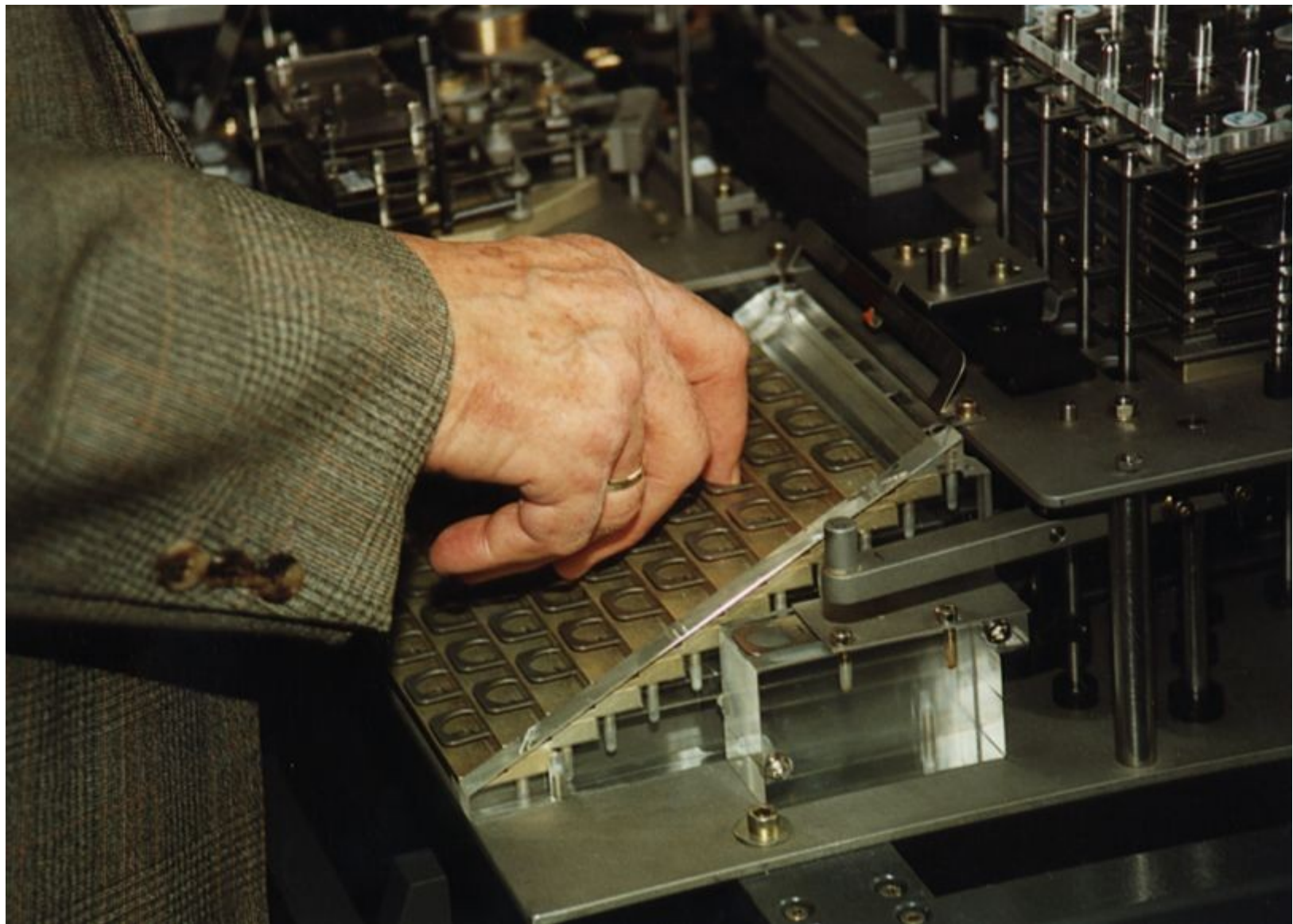
$$-0.471123 \times 10^4$$

$$-0.471123 \times 10^4$$

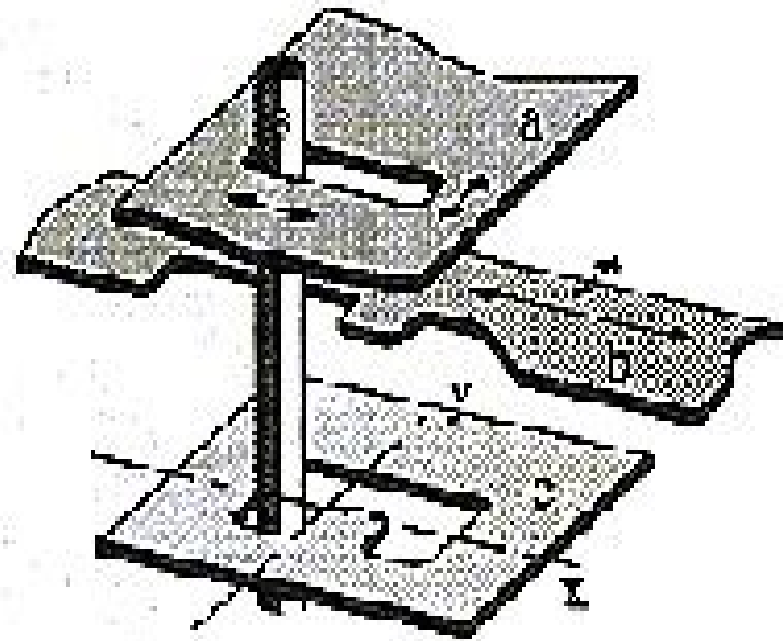
$$-0.471123 \times 10^4$$



- 471123 4



Hållremisor



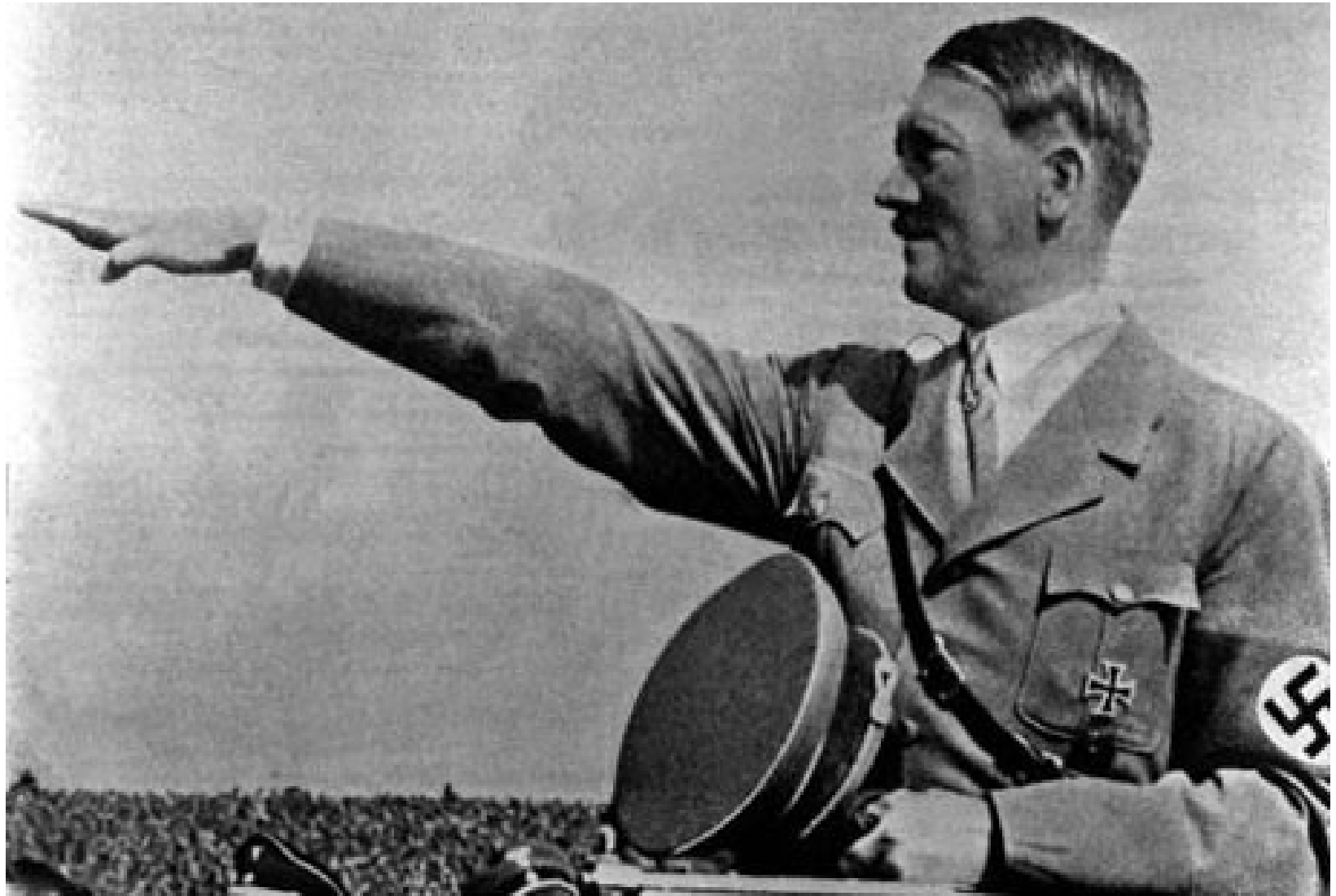
1939: Z2

Reläer

**Vacuumrör?**

800





1941: Z3

2.600

64 ord, 22 bitar

1.000 kg

**4 kW**

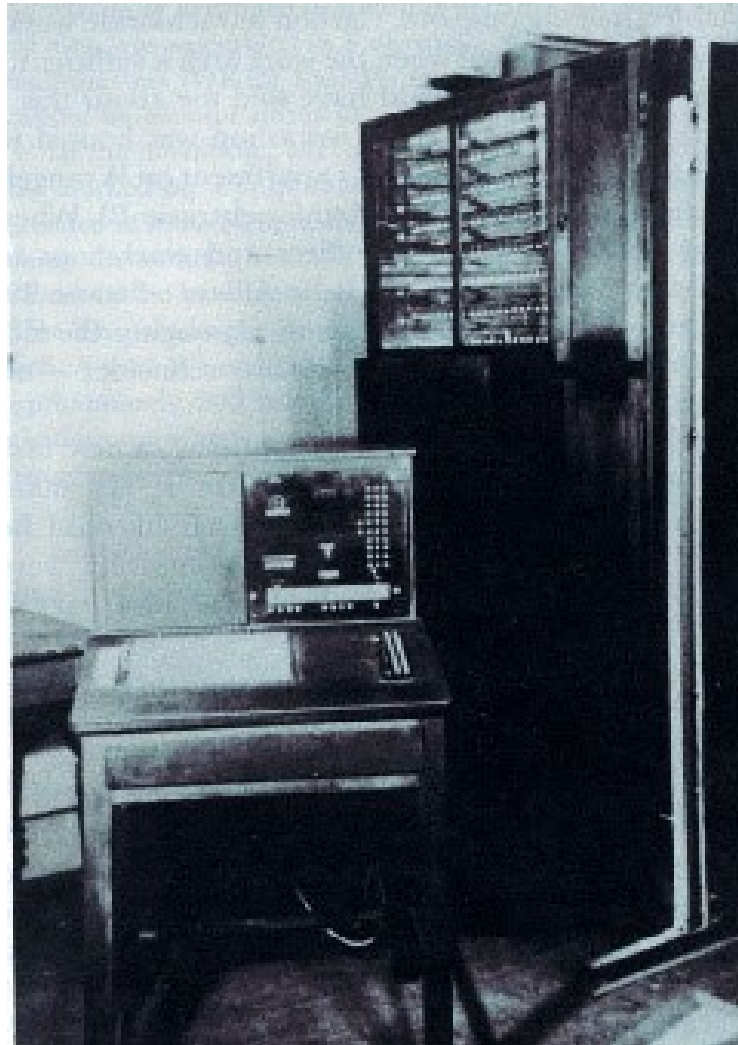
**5.3 Hz**

additioner



$\infty, -\infty, n/a, \sqrt{\quad}$

pipelining



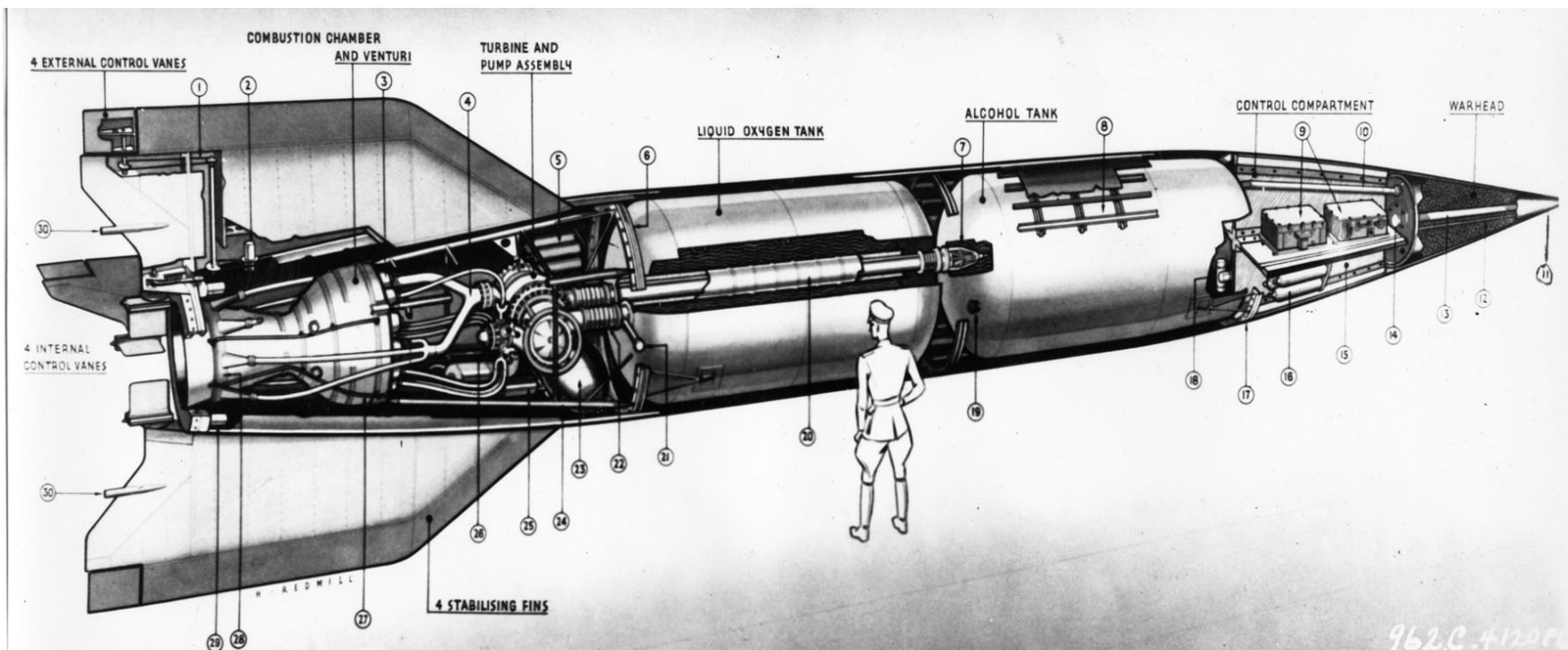
1942: S1, S2

**Z4**



**Berlin 1944**

Nordhausen



1 CHAIN DRIVE TO EXTERNAL CONTROL VALVE  
2 ELECTRIC MOTOR

3 BURNER CUPS  
4 ALCHOL SUPPLY FROM PUMP

5 AIR BOTTLES  
6 REAR JOINT RING AND STRONG POINT FOR TRANSPORT  
7 SERVO-OPERATED ALCOHOL CUTLET VALVE

8 RADIO EQUIPMENT  
9 PIPE LEADING FROM ALCOHOL TANK TO WARHEAD

11 NOSE PROBABLY FITTED WITH NOSE SWITCH, OR OTHER DEVICE FOR OPERATING WARHEAD FUZE  
12 CONDUIT CARRYING WIRES TO NOSE OF WARHEAD

13 CENTRAL EXPLODER TUBE  
14 ELECTRIC FUZE FOR WARHEAD

15 PLYWOOD FRAME  
16 NITROGEN BOTTLES  
17 FRONT JOINT RING AND STRONG POINT FOR TRANSPORT

18 PITCH AND AZIMUTH GYROS  
19 ALCOHOL FILLING POINT  
20 DOUBLE WALLED ALCOHOL DELIVERY PIPE TO PUMP

21 OXYGEN FILLING POINT  
22 CONCERTINA CONNECTIONS

23 HYDROGEN PEROXIDE TANK  
24 TUBULAR FRAME HOLDING TURBINE AND PUMP ASSEMBLY

25 PERMANGANATE TANK (GAS GENERATOR UNIT BEHIND THIS TANK)

26 OXYGEN DISTRIBUTOR FROM PUMP  
27 ALCOHOL PIPES FOR SUBSIDIARY COOLING

28 ALCOHOL INLET TO DOUBLE WALL  
29 ELECTRO-HYDRAULIC SERVO MOTORS

30 AERIAL LEADS

V2



Hinterstein





Att räkna med  
mekanik

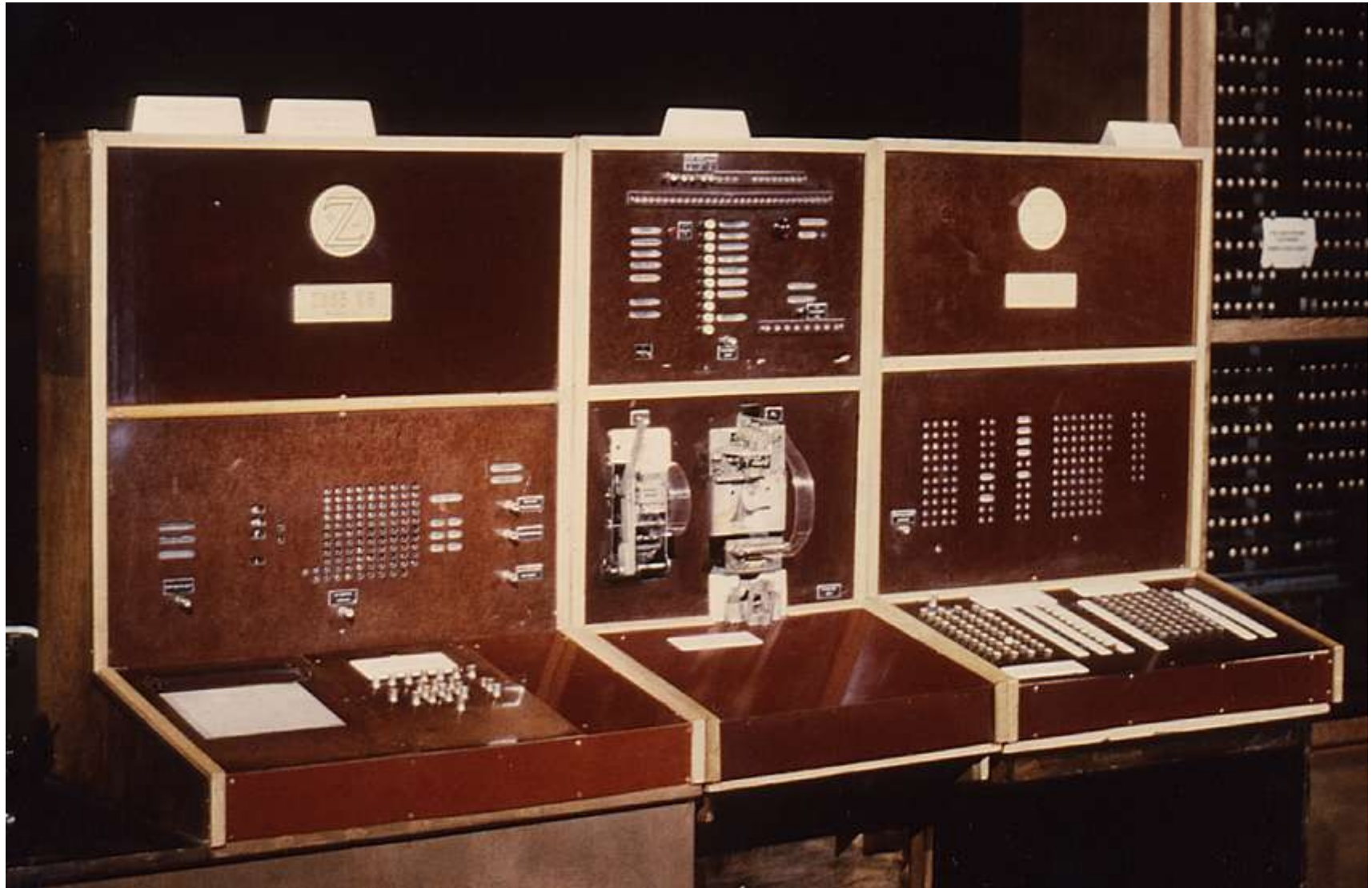
Hopferau

1948: IBM  
(Hollerith)

1949: Zürich

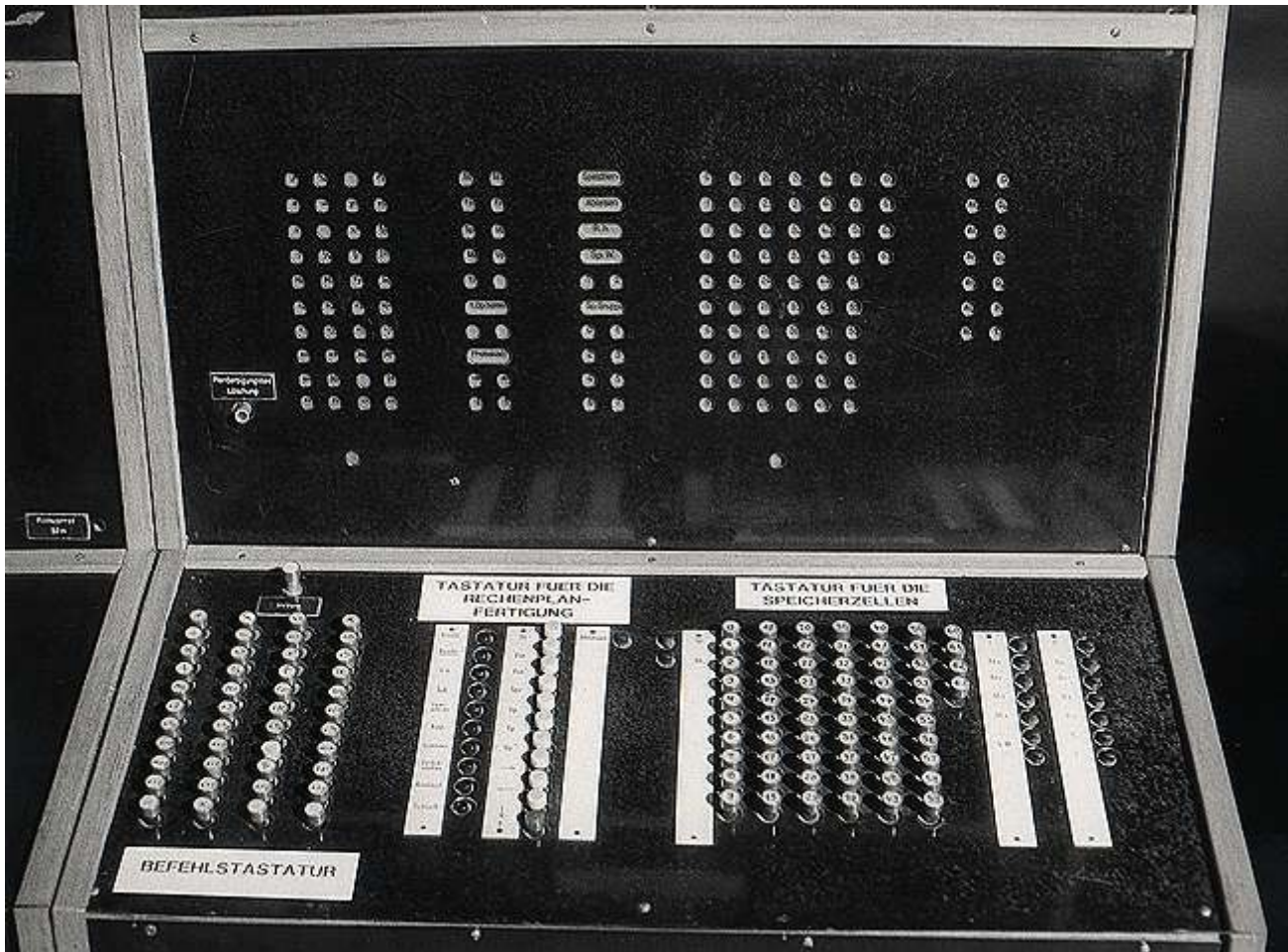
differentialekvation

**30.000 CFH**

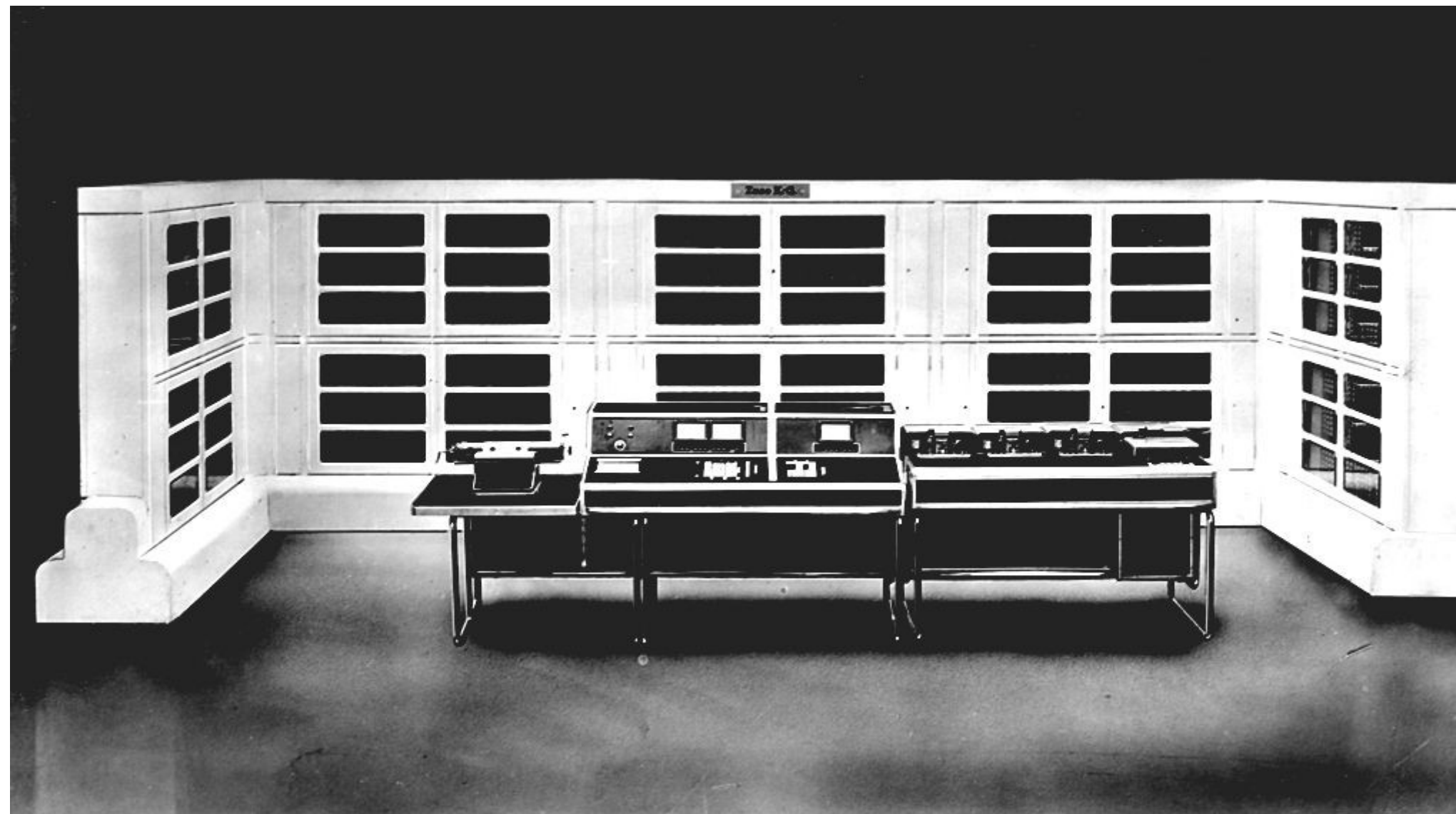


1950-1955: Z4





Pflanfertigungsteil



1952: Z5 (Leitz, nuv. Leica)

Europas första  
kommersiella  
dator

**Multipla  
hålremsläsare**



1959: Z23, transistorer

1949-1969:  
250 datorer



# Computing Space

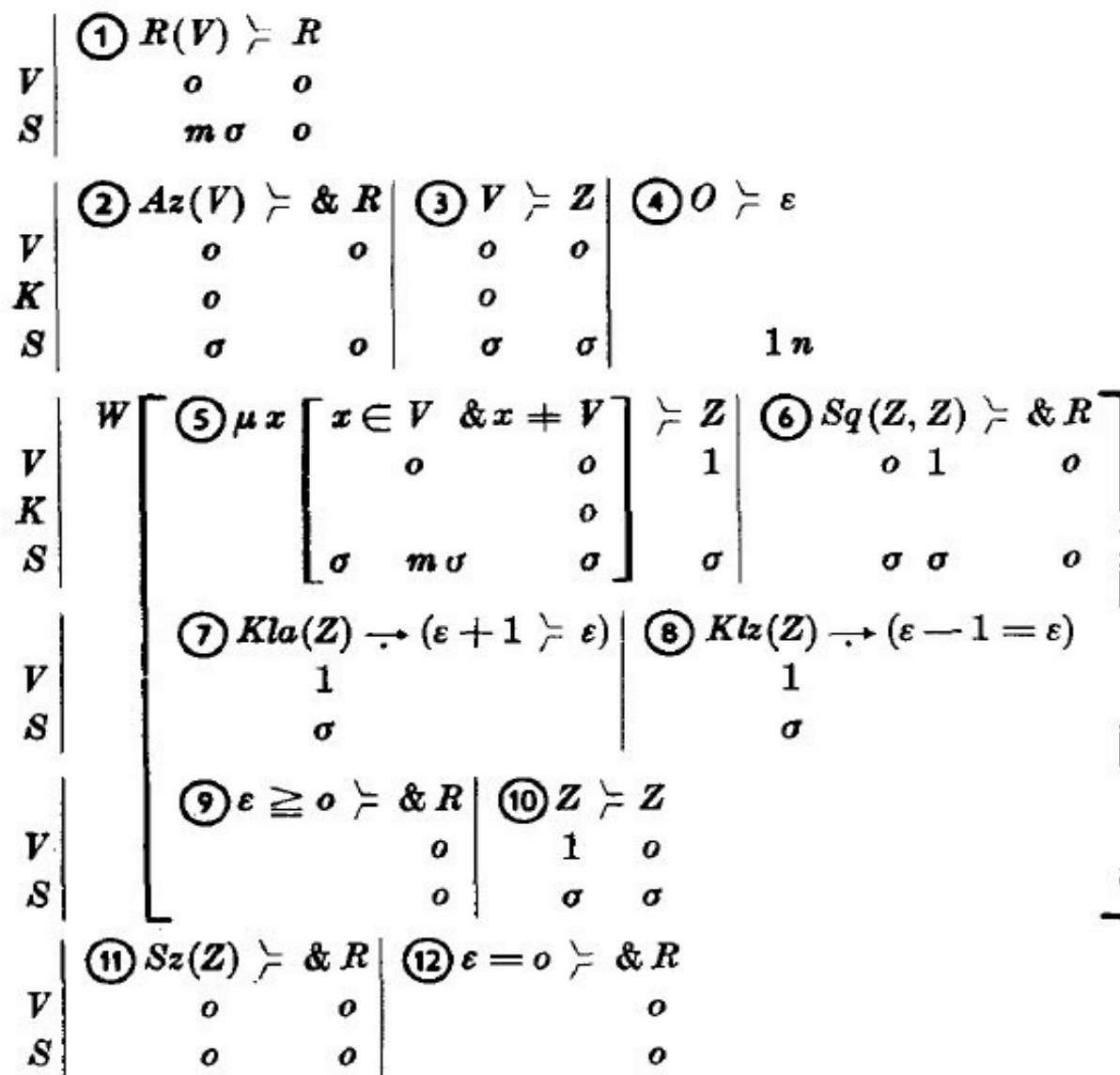


1948:  
Plankalkül

1972

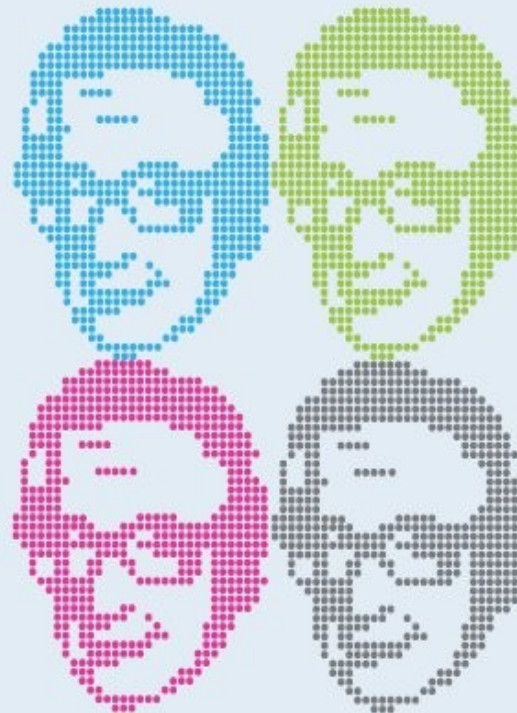
1998





Fig. 3.



# Zuse-Jahr 2010

zum 100. Geburtstag  
des Computerpioniers  
Konrad Zuse



-  Konrad Zuse
-  Veranstaltungen
-  Service
-  Impressum
-  Website von Horst Zuse 2010

Zum 100. Geburtstag Konrad Zuses erinnern bundesweit Ausstellungen, Vorträge und Workshops an sein Leben und Werk und machen auf die Aktualität seiner Erfindung im digitalen Zeitalter aufmerksam.



Konrad Zuse (1910-1995)  
<http://fordomsteknik.se/>

