

ROUNDTABLE

A ~~REPORT~~ ON THE ENIAC

(Electronic Numerical Integrator and Computer)



Bill Mauchly
Lead Guitarist
Noisy Neighbors



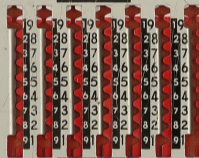
Brian L. Stuart
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Columbia University

MAGIC - BRAIN CALCULATOR

0 0 0 0 0 0 0



Simplified Instructions Magic Brain Calculator

Your Magic Brain Calculator is a technical instrument that solves your math problems with ease. It requires practice to achieve perfection. Practice makes perfect in a few weeks you will be doing your mathematical calculations as fast as adding machines many times the cost of this instrument.

HOW TO CLEAR THE MACHINE

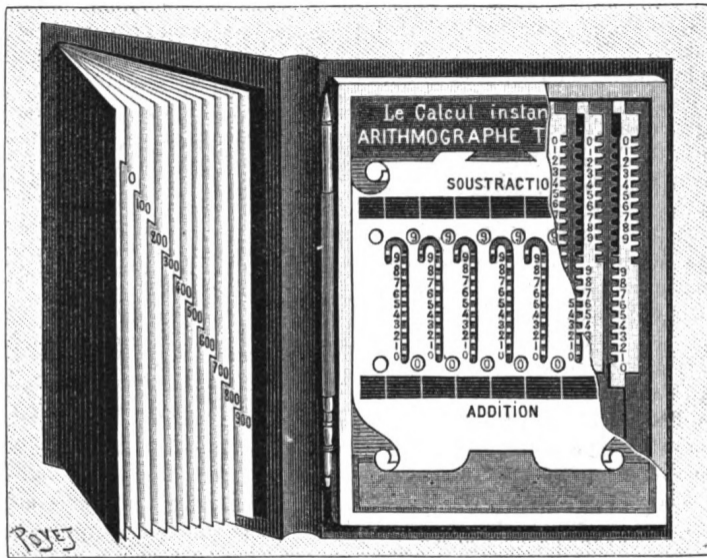
Before solving any math problem, be sure your Calculator is clear (all 000,000.00 in all windows). This is done simply by pulling up the wire bar on top and pushing back down.

HOW TO ADD

Addition is simple, but requires practice! Use the large black figures only for your addition problems. Put the point of the stylus into the right-hand slot directly opposite the number you wish to add. If the indicated number is RED, pull DOWN. The slot is WHITE. Push the stylus all the way UP, OVER and DOWN around the curve (unless this operation is performed properly, the figure will not carry over into the second window). Practice this many times with simple figures until you have mastered the technique.

In some instances (when addition of numbers in the first column affects the motion of the stylus in the third column), you will find that the stylus is stopped at the top and that you cannot complete the final OVER and DOWN motion. When this happens, put the stylus in number 1 of the next left column and move it UP, OVER and DOWN.

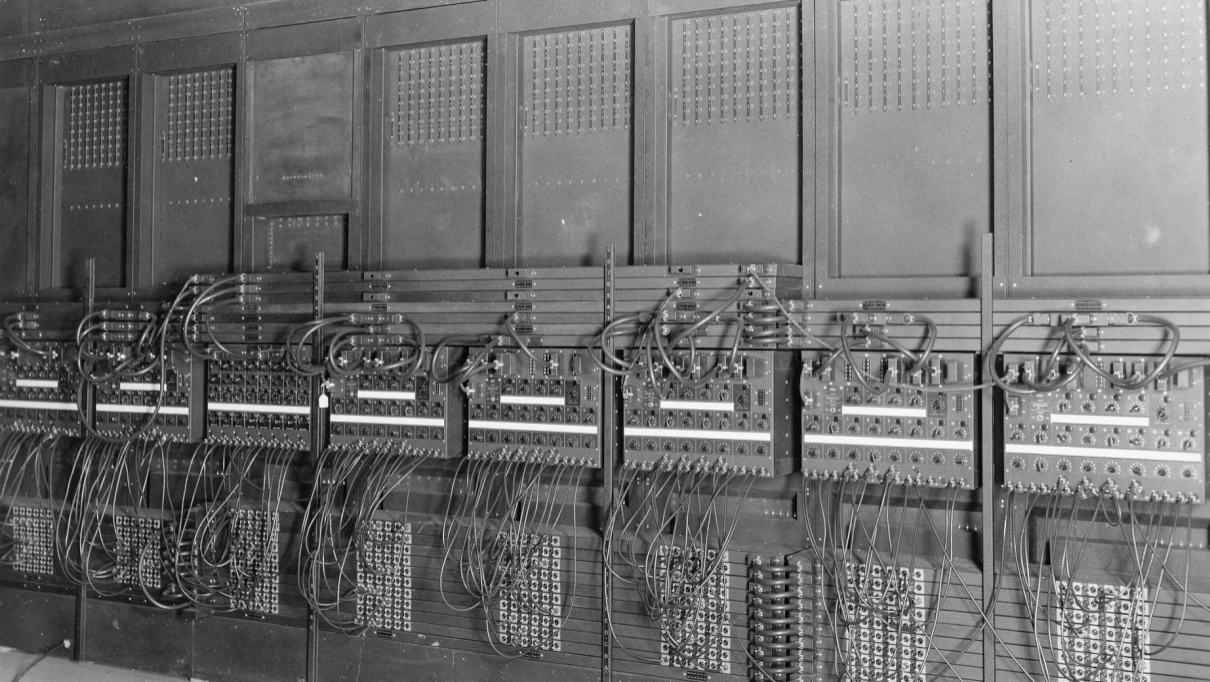
contre; ce sont des bandes de métal portant deux fois en sens inverse la série des dix premiers nombres; elles sont munies de crans de chaque côté, ceux qui correspondent à la série supérieure sont peints en noir, les autres en blanc. Ce sont ces crans qui apparaissent seuls sous les rainures de la partie fixe. Quant aux chiffres, ils



Calculateur mécanique de M. Troncet.

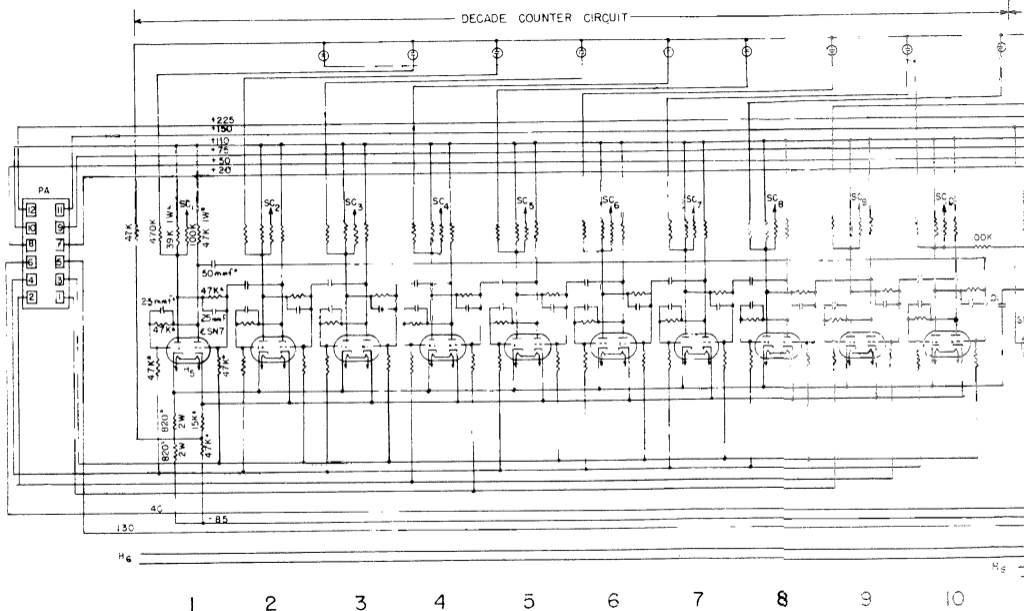
même temps de ramener à 0 la colonne des unités. Cette disposition est des plus ingénieuses et en même temps des plus simples. Ce que nous venons de dire pour une colonne s'applique évidemment à toutes les autres et l'appareil permet d'additionner jusqu'à dix millions.

Malgré l'explication un peu longue dans laquelle nous avons

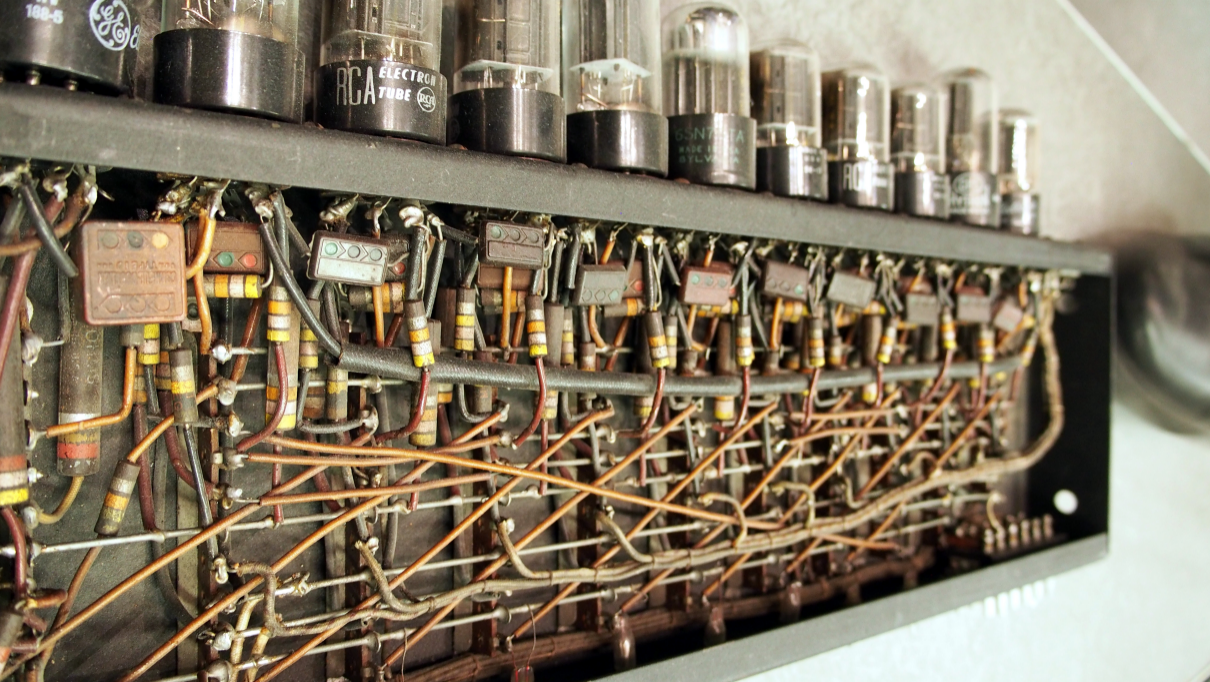


1	0	213	R
2	0	213	Q
3	0	213	P
4	0	213	D
5	0	213	B
6	0	213	A
7	0	213	0
8	0	213	0
9	0	213	0
10	0	213	0
11	0	213	0
12	0	213	0

10	7	4
11	6	3
12	5	2

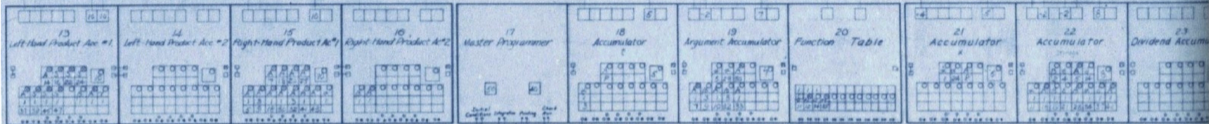


ENIAC Drawing PX-5-133, Accuator Decade Plug In Unit

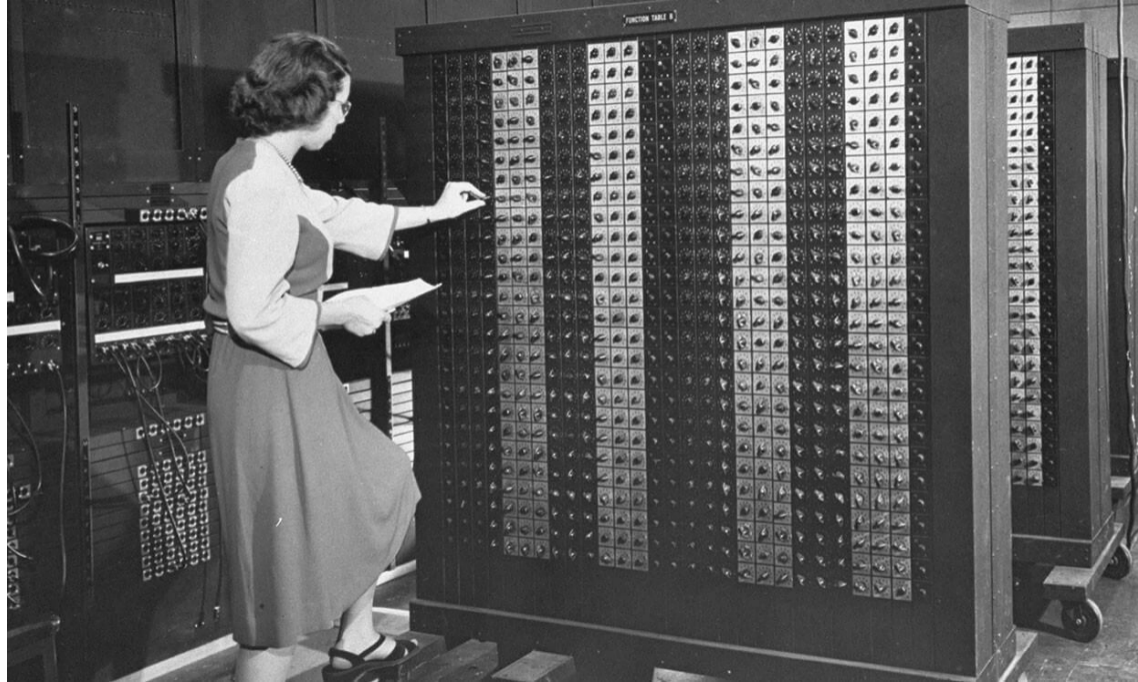


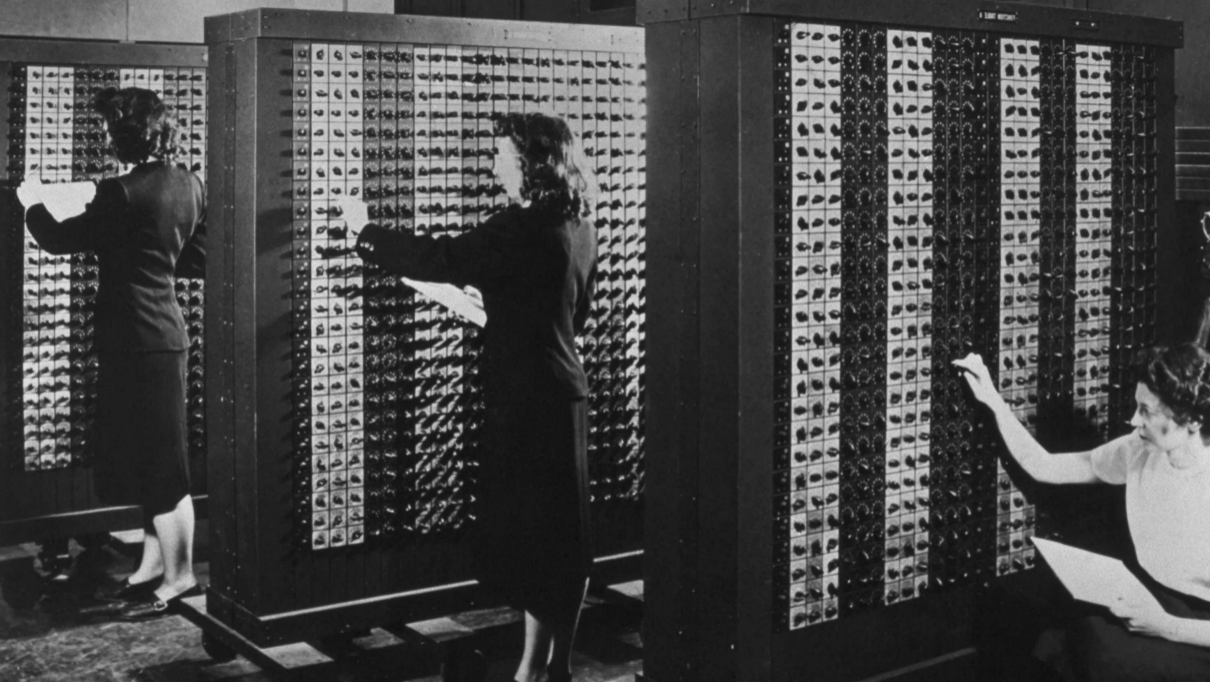


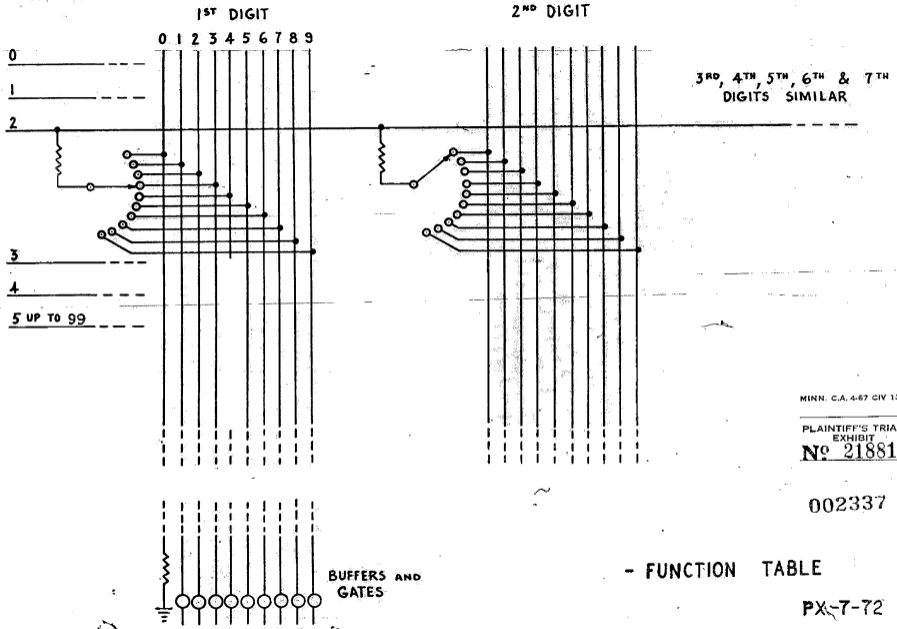
DRAWING NUMBER PX-1-82 PANEL DIAGRAM OF THE ELECTRONIC NUMERICAL INTEGRATOR AND COMPUTER (SHOWING THE EXTERIOR BALLISTICS EQUATIONS SETUP - HE)



ENIAC programming chart / US Army







MINN. C.A. 4-67 CIV 130

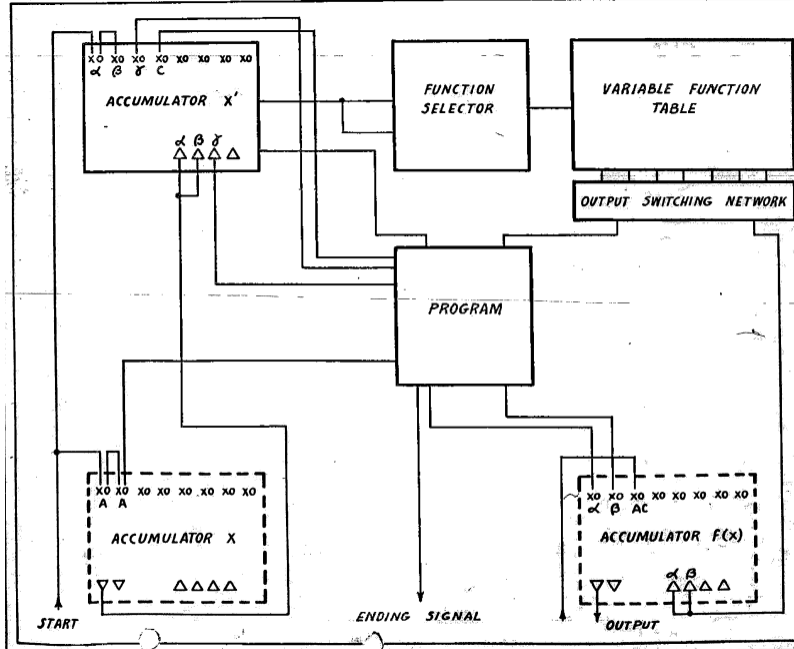
PLAINTIFF'S TRIAL
EXHIBIT
No 21881

002337

- FUNCTION TABLE

PX-7-72

15 Nov 43 Robert F. Shaw



MINN. CA. 4-67 CIV 138
 PLAINTIFF'S TRIAL
 EXHIBIT
 No. 21880

FIG. 1
 FUNCTION GENERATOR

002336

PX-7-71

15 Nov 43 Robert F. Shore

OUTLINE OF PLANS FOR DEVELOPMENT OF ELECTRONIC COMPUTERS

The first objective of the proposed company will be to design and develop a multi-purpose rapid computing machine of moderate cost.

Two or three years will be required for this development. This estimate, and the estimate of engineering staff and operating funds needed for this period, are based on the experience gained (by those who will form this company) during the development and construction of the ENIAC, the first electronic multi-purpose computing machine ever to be built.

It is hoped that, during the developmental period, contracts may be secured which will help to defray the development costs. Since at the present time such contracts have not yet been assured, and since some of the development contracts which are in view might require larger or somewhat different types of machines.

The market for high-speed multi-purpose computing machines of moderate cost can be indicated by the following brief list of possible users:

1. Scientific laboratories, universities and research foundations.
2. Industrial research and engineering laboratories.
3. The U. S. Census Bureau.
4. The U. S. Weather Bureau.
5. Other government agencies such as the U. S. Bureau of Standards.
6. Astronomical observatories.
7. Accounting and bookkeeping departments of large business firms.
8. Inventory, stock control and planning of departments of large business firms.
9. Agencies having voluminous files and records, libraries, social security offices, etc.
10. Insurance companies, both for records and actuarial work.

ECKERT-MAUCHLY COMPUTER CORPORATION

SPECIALISTS IN ELECTRONIC DIGITAL EQUIPMENT

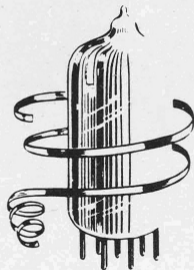
INCLUDING AUTOMATIC COMPUTERS FOR INDUSTRIAL CONTROLS

RAPID, ACCURATE, AND ECONOMICAL PROCESSING OF INFORMATION

The

U N I V A C

Universal Automatic
Computer
(Decimal and Alpha-
betic)



The

B I N A C*

Binary Computer for
Engineering and
Industrial Control
Applications

The ECKERT-MAUCHLY COMPUTER CORPORATION, designers and builders of the UNIVAC SYSTEM, have incorporated into that equipment all of the knowledge and experience which their chief engineers gained through their technical direction of the ENIAC and initiation of the EDVAC projects. Their back-

