

digital INTEROFFICE MEMORANDUM

TO: Gordon Bell

DATE: 4.1.75

FROM: Mimi Cummings

DEPT: Library

EXT: 6465 LOC: M15-4

SUBJ: Audiovisual part of lobby exhibit

I have talked to Charlie McMullen about the possibility of using some of their AV equipment for our lobby exhibit, but because we are going to need to keep it for at least 3-6 months (my estimate), we will have to purchase what we need.

In order to put together a slide show synchronized with an audio tape and install it in "the closet" we will need the following:

1 Kodak Ectagraphic carousel slide projector	\$191.50
1 Audio-Mate Montage 590 (audio cassette player)	158.25
1 Plastic rear projection screen	42.00
Total	\$391.75

The amounts mentioned here include a discount arranged through the AV Department with Klaus Gelotte. The machines mentioned are fully compatible with what the AV people are using so, if at any future time, we are not using these things, they can be integrated into the other materials the company is using elsewhere.

The next step is to look at the slides you have (and some of pictures of Whirlwind which I have) and plan out what you want to have in the "show". I will come to talk to you about this in the near future.

Mimi



LEGEND FOR WHIRLWIND PHOTOGRAPHS

- | | |
|-------|---|
| 580 | WHIRLWIND Installation
11/23/48
Panel Selection Rack for marginal
checking
Front View |
| 583 | WHIRLWIND Power Room
11/23/48 |
| 612 | WHIRLWIND Installation Console Room
12/30/48 |
| 107-2 | Forrester, Youtz, and Dodd with
storage tubes in racks |
| 107-4 | WHIRLWIND Operations Center
(3 men, 1 on ladder) |

Mimi Cummings
Library ML5/A20

SUBJ: LOBBY EXHIBIT

DATE:
FROM:
EXI
MSI

PAGE 1
04-22-75
MJ KEENEY
2237
ML12-1/A51

* * * * *
TO: MIMI CUMMINGS ML5-4
* * * * *

SUBJ: LOBBY EXHIBIT MEETING--April 9, 1975

To: Dist.

1. The British Science Museum* will be given the following:

	Responsible
WW pictures w/legend	MIMI
Core plane (loan)	MIMI
Memo on X on First WW	MIMI
List of possible available parts	Gordon <i>- I did</i>
LSI-11 (Teicher)	MIMI
PDP-8 (Classic) photos	MIMI

*MIMI kits--WW photos, PDP-8 photos, LSI-11;

2. Out of the 16 total core planes, we will draw 7 to be distributed as follows:

- 1K Ken
- 1K Bill Everett*
- 1K Jay Forrester*
- 1K Smithsonian (label as Digital donation)
- 1K Main Street Lobby
- 1K Loan to British Science Museum
- 1K extra

*To be labeled: To Jay/Bob from your friends at Digital (or words to that effect);

[4 planes (the shower stall) are being displayed at Maribofo and are to remain intact.]

3. The stack and electronics are to be left in place;

Arithmetic bay--2' X 8' or 11' to be stored in Main St. lobby,

Parts are to be sprayed with clear plastic;

digital

INTEROFFICE MEMORANDUM

TO: Ken Olsen
Gordon Bell ✓
Craig Palmer

LOC/MAIL STOP

DATE: April 7, 1975
FROM: Roy Gould
DEPT: Trade Shows
EXT: 2302
LOC/MAIL STOP: PK3/M36

SUBJ. Whirlwind

Attached is a copy of inventory of parts of Whirlwind which are still in storage in Concord.

Mimi

jac
Attachment

COMPUTER PARTS IN STORAGE

Crate 73

Miscellaneous Panels
Registers, etc. - accumulator
Cape Cod & Flip Flops

Box 114

Cape Cod Drivers
Register - In/Out Registers
Flip Flop Registers
Miscellaneous Registers
Big Box Spare Tubes

Box 25

Cape Cod Modules
Miscellaneous Registers
Sage Modules
Cape Cod Drivers
Dumont Scope

Box 21 - DELIVERED TO GORDON

Miscellaneous Registers,
etc., drum
Flexiwriter
Magtape Unit
D/A Converter

Box 166

Miscellaneous Registers
Filament Transformer, etc.

Box 169 - DELIVERED TO MARLBORO

4K Memory Painted
2 Rack Supports

Box 249

3 Display Terminals
1 Rack
Sensing Control
3 Boxes Spare Tubes for
Sensing Devices
Pilot Light Registers

Box 302

Power Supplies
3 Control Racks
1 Display Terminal

Box 130 Memory Bank

Scope Display
Rack Support
Test Equipment
Drum
Camera

Box 41

Unboxed Miscellaneous Registers
Tubes
2 Dumont Scopes
Sensing Controls

MJ please have

Sally - solve. + copy
mini



SCIENCE MUSEUM

South Kensington London SW7 2DD

Telephone 01-589 6371 ext

MAR 18 1975
3-33

Mr Gordon Bell
Vice President
Digital Equipment Corp.
146 Main Street, Maynard
Massachusetts 01754
U S A

Your reference

Our reference 100/123/13

Date 14 March 1975

See Mini

Dear Mr Bell

Thank you very much indeed for your letter of February 3. I will answer the points raised in the same order.

Ray can you do this?

Concerning parts of Whirlwind, I would very much like to take up your kind offer of obtaining some photographs for us. In the absence of a sample of core from Whirlwind we would like to display a picture only, and hope that a piece of core may come our way in the future. We are also most interested in the minicomputer technology kit, and would be very pleased to hear from Mr Gould on this matter.

Discussions with my senior officers here have resulted in the following decisions via à vis our co-operation on your new Museum. We shall be very pleased to consider exchanges of material. We have some Mathematical instruments such as integrators and planimeters, a few calculating machines, and some 1910/1920's punched card equipment at present available for exchange. Our own stock of material from early computers is unfortunately small, mainly dictated by available storage space, and we do not have anything to spare at present.

However, the Museum is offered computing equipment fairly frequently, and I have several contacts within the industry who advise me of equipment reaching the end of its working life, I should be most willing to pass on useful information to yourself or to an agent of yours in this country.

I regret that I am unable to take up the post of purchasing agent for you. The material involved is exactly that for which I am responsible in the Museum, and it is therefore impossible for me to engage in a further paid activity which would conflict with my work.

I do wish your Museum project every success, and I hope that the contents of this letter can serve as a basis for mutual co-operation between our two establishments.

Yours sincerely

Jane Pugh

Miss J M Pugh
Assistant Keeper

SUBJ: LOBBY EXHIBIT

DATE:
FROM:

PAGE 2
04-22-75
MJ KEENEY

4. Bobby Passerello will go with Mimi and Roy Gould to warehouse to see about the feasibility of returning all stored parts to the mill. This would save \$1914 quarterly, which could be used for lobby exhibit equipment production materials, and miscellaneous items needed to keep the museum idea alive.
5. Phil has been asked to make out a budget for the museum scaled to simple lobby exhibits. These exhibits to be used as a learning medium for incorporation into a DEC Computer Museum at some future date.
6. Slide show for Main Street lobby.

→ May 1, 4:00 PM, Gordon, Mimi, Pat, Charlie will meet in Ken's conference room. Subject for the first show: "PACKAGING THRU THE AGES".

Responsible

Gordon packaging slides
Charlie taping equipment
Pat light box

mj

Distribution

Gordon Bell
Mimi Cummings
Roy Gould
Phil Laut
Pat McCormick
Charlie McMullen
Ken Olsen
Bobby Passerello

give photos to Peggy

4/11

WW in

Ray

Storage in Concord
should stay there

Only secure place

POP 1's - 4's there to
look at if you'd have
to open all crates

ack q. Can we leave the things there?

If not — bring over
unpack here

all the memories in
Tower lobby

I saw
answer

digital

INTEROFFICE MEMORANDUM

TO: MIMI CUMMINGS

DATE: MAY 2, 1975

FROM: CHARLIE MACMULLEN *CPM*

DEPT: AUDIO VISUAL

EXT: 5587 LOC: PK3-2/T14

SUBJ: AUDIO-VISUALS

Here's your copy back. I went with Tim over to the exhibiton area--and now three of us concur. From a practical standpoint and most probably an aesthetic one, we feel that the program should not be contained within the closet.

A point Tim made is that not only will the viewer be looking at the program and computer parts (were the program placed inside) but also, with the plexiglass and mirrors he will be looking at himself from all angles. The result could only be visual confusion!!

Good luck in your diplomatic efforts -

CPM/ei

D I G I T A L

INTEROFFICE MEMORANDUM

* * * * *
TO: MIMI CUMMINGS MLB-4
* * * * *

102653597



LEGEND FOR WHIRLWIND PHOTOGRAPHS

- | | |
|-------|---|
| 580 | WHIRLWIND Installation
11/23/48
Panel Selection Rack for marginal
checking
Front View |
| 583 | WHIRLWIND Power Room
11/23/48 |
| 612 | WHIRLWIND Installation Console Room
12/30/48 |
| 107-2 | Forrester, Youtz, and Dodd with
storage tubes in racks |
| 107-4 | WHIRLWIND Operations Center
(3 men, 1 on ladder) |

Mimi Cummings
Library ML5/A20

Fri. 3:30
Gordon - Museum Phil 4/9

✓ Pic was to England

State of project -

Sally's report

what can she expect

AV exhibit

Pugh - what part send

BM - pictures w. legends — me
core plans (loan!)

memo from X on WW1

ww
= 4K core in mariboro lobby? / see what find out

1K (#2 = A) → Dirmande

Everett
Fischer
Olson

shower stall intact / clean

fix so can fix construction

loan 5M
DEC lobby
Smith/Lordan

take down now /

Roy

make stack ready to be exhibited

write Pugh - well pkg it in write / what kind of labels
do you want

TX-0 - Roy keeping eye on

qwe job to Roy of dismantling WW →

Q - qwe me a parts list

BM - early mini computer

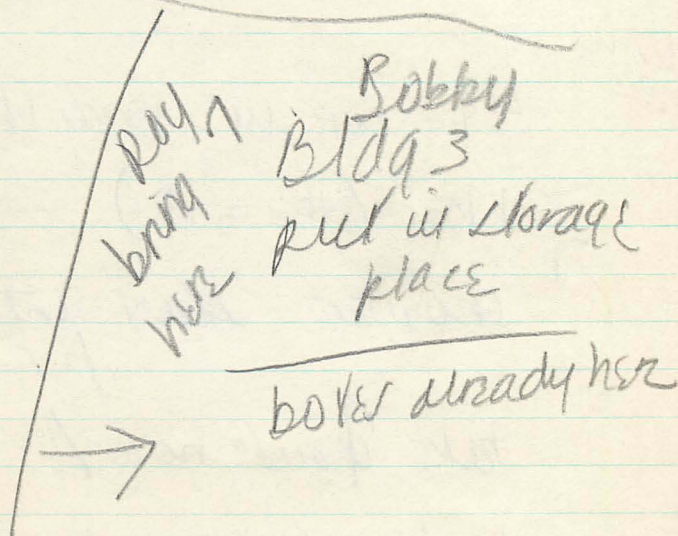
offer classic PDP-8

+ / or modern 1 if they want it →

LSI-11

↑ send photos out if they want it

arithmetic register



Ken - wait after Everett core for a calc. ray tube

Kit for BM / send photos now - P D P - P
send LSI - 11 (tricket)
photos of WWJ
you're coming
will send 1 bag of whistwind

Lobby Exhibit

AV

audience -

know something about comp. tech.
prog. & eng.

Request from the ages -

slides - talk by Q ->

tell Phil / spend level - 10K / budget
present / keep at funding level

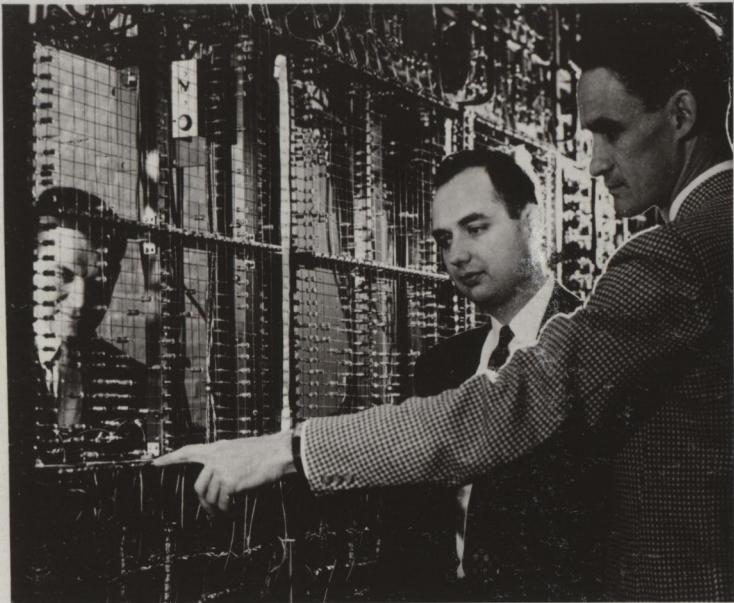
Bobbi - storage space w/ mil

\$ 200/yr. \$ 512⁵⁸ 41⁵⁸ ft.

ask Roy^{to see} Phase 1 of plan

? consultants

Sally Bowers
beck where

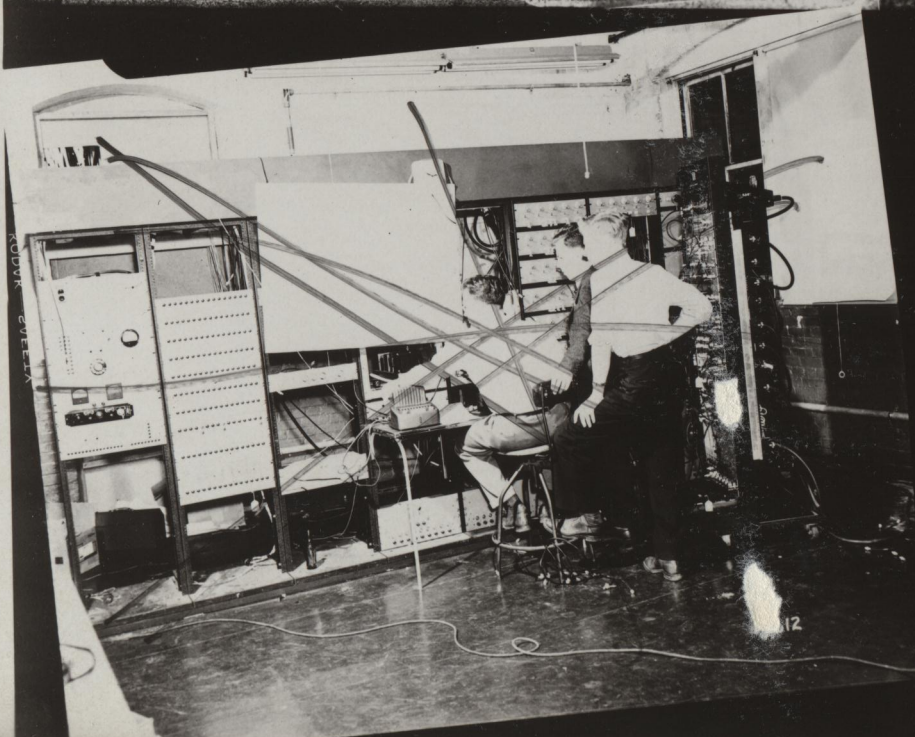


9

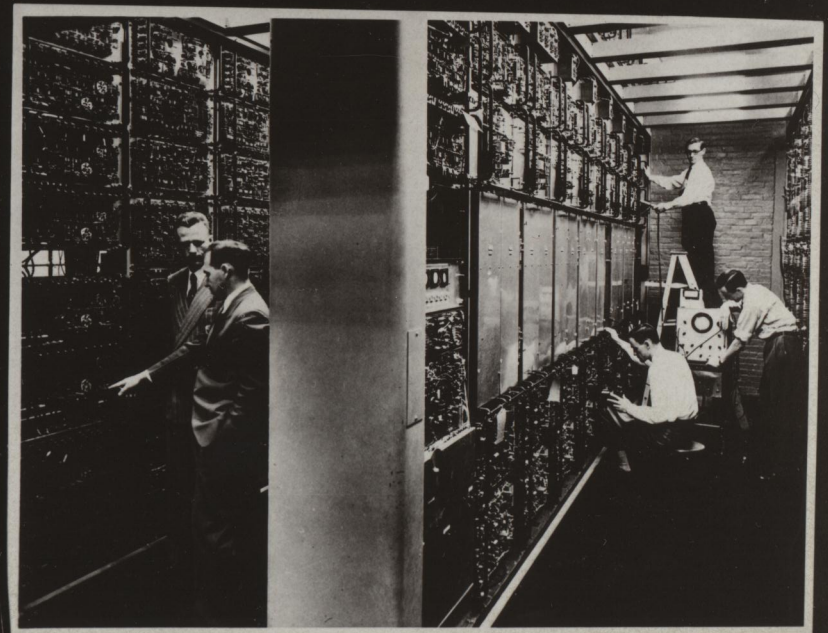


CONTROL
 The control element of WHIRLWIND I selects the operation to be performed by energizing the appropriate one of the 32 horizontal lines shown in the photograph. The selected line then opens the appropriate channels to allow operation pulses to pass to other parts of the computer.

MC 107-4



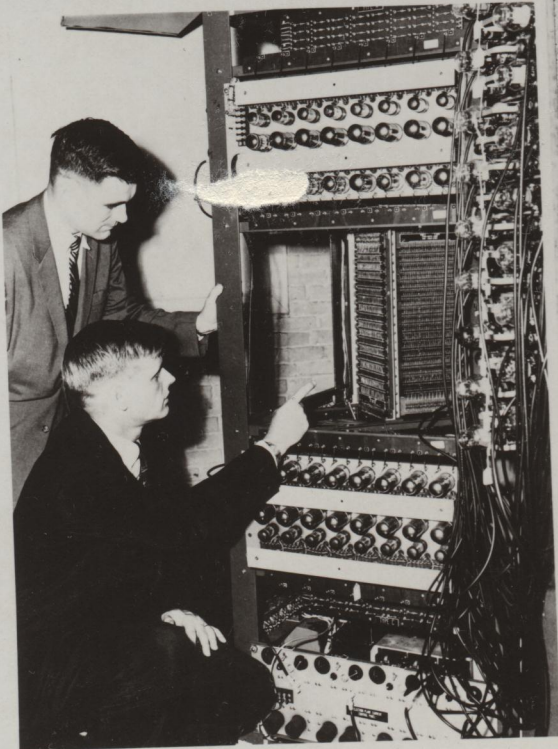
12



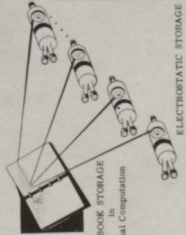
Mc 107-3



Mc 107-2

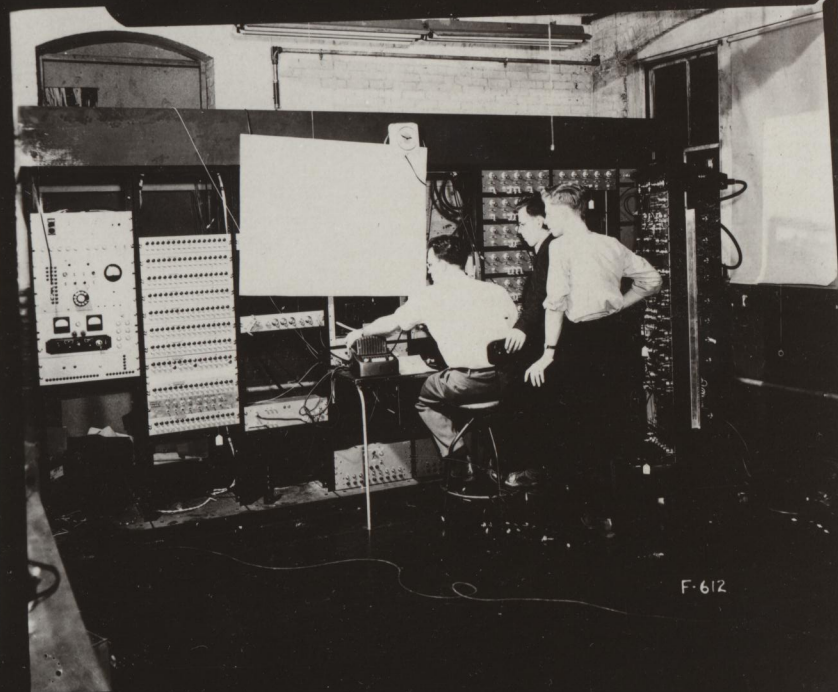
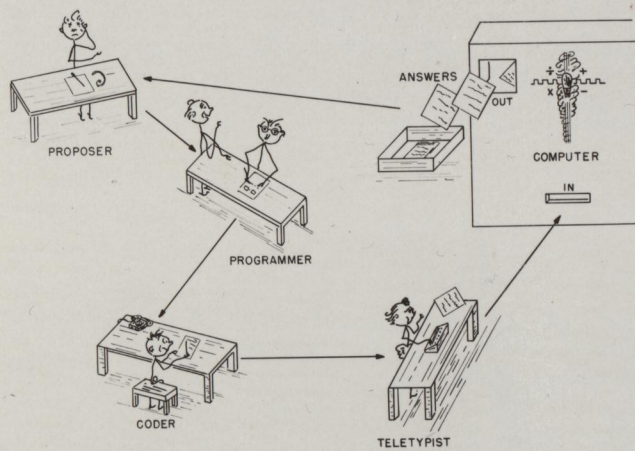


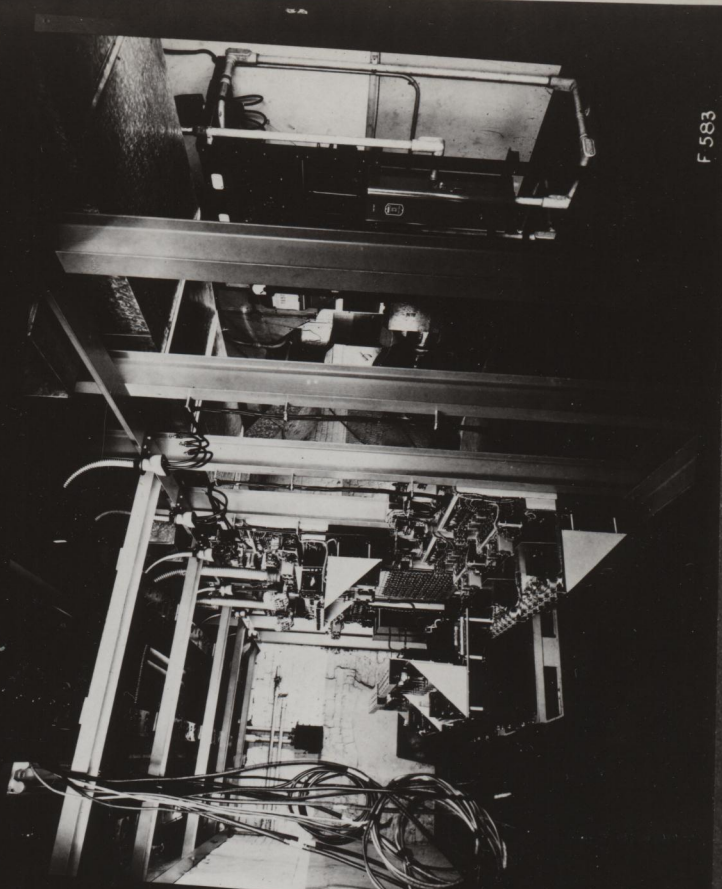
STORAGE
The memory for initial data, instructions, and intermediate results.



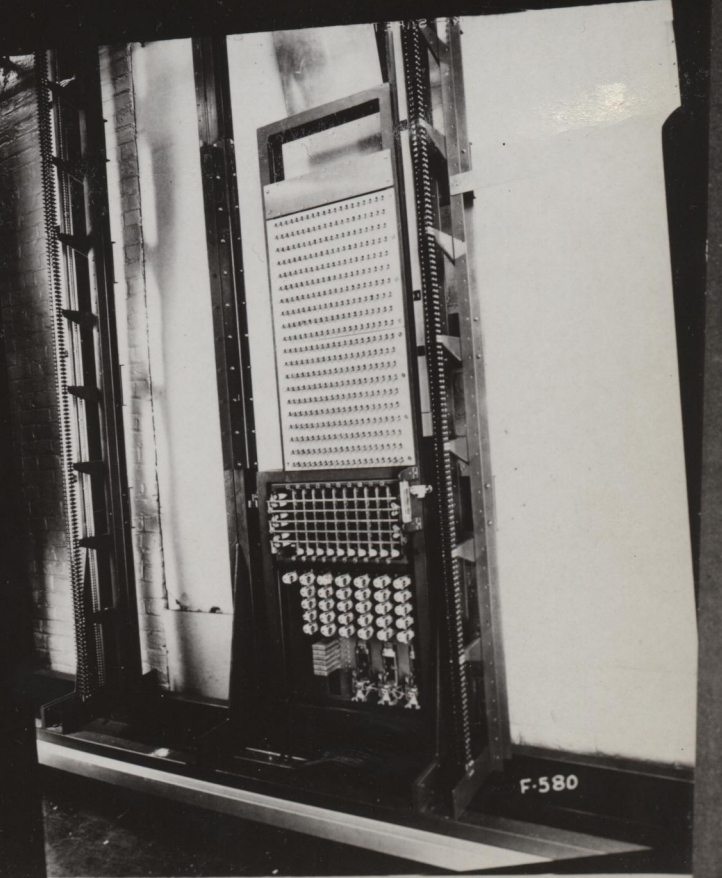
NOTEBOOK STORAGE
Manual Computation

ELECTROSTATIC STORAGE
as
WHIRLWIND I Computation





F-583



F-584

F-580

