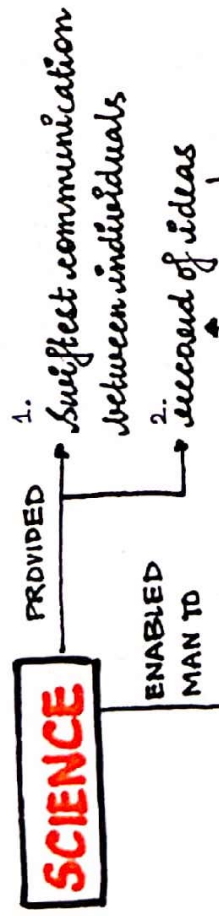


AS WE MAY THINK

VANNEVAR BUSH



Evolution of knowledge that endures throughout the life of a race rather than that of an individual.

"Specialisation becomes extremely necessary for progress, and the effort to bridge between disciplines is correspondingly superficial."

PUBLICATIONS

Our methods of transmitting and reviewing the results of research are generations old and totally inadequate.

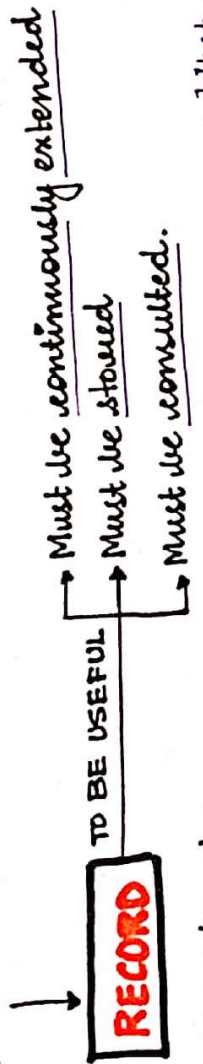
WHICH LEADS TO

Truly significant attainments being lost in the mass of the inconsequential.

Leibnitz → calculating machine
Babbage → arithmetical machine

PREDICTION: "The world has arrived at an age of cheap complex devices of great utility; and something is bound to come of it."

PREDICTION: "The advanced arithmetical machines of the future will be electrical in nature, and they will perform at 100 times present speeds or more."



Vocoder/Vocoder

"Our ineptitude in getting at the record is largely caused by the artificiality of systems of indexing."

INDEXING VS ASSOCIATION

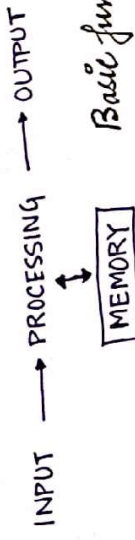
alphabetically or numerically

Far beyond our present ability to make use of the record.

MEMEX

CONISTS OF

- A DESK
- SLANTING TRANSLUCENT SCREENS (on top)
- KEYBOARD
- SETS OF BUTTONS AND LEVERS



Basic functioning of the memex.

Selection by association, rather than indexing may yet be mechanised.

MEMEX = STORAGE + INFORMATION ACCESS + PROCESSING + OUTPUT

(memory) (can be consulted with exceeding speed and flexibility)

Present day RAM/ROM

Present day Internet?

Science to implement different ways to produce, store and consult the records of the race.

↑

ENABLES

Organised

Tree structure

Organic

Connections (network)

Association based

MEMEX VS HUMAN BRAIN

Mechanical

Organic

Connections (network)

Association based

Tree structure

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