

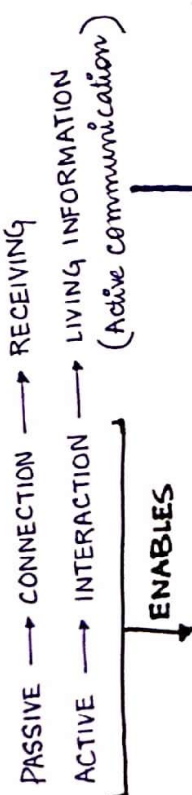
THE COMPUTER AS A COMMUNICATION DEVICE

by LICKLIDER AND TAYLOR 1968

COMMUNICATION

THROUGH THE LENS OF A COMMUNICATIONS ENGINEER

Transferring information from one point to another in codes and signals.



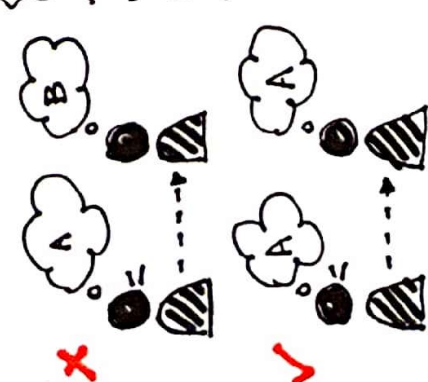
Interaction with the richness of living information.

WITH THE HELP OF

A dynamic medium in which premises will flow into consequences.

"A well programmed computer can provide direct access both to informational resources and to the processes for making use of the resources."

MODEL



WHAT? Conceptual structure of abstractions formulated initially in the mind of one of the persons who would communicate, and if the concepts in the mind of one would-be communicator are very different from those in the mind of another, there is no common model and no communication.

NODE

the multiaxess computer together with its local community of users

SIMILAR MENTAL MODELS
Convergence towards a common pattern
INDICATOR OF COMMUNICATION
Changes in the structure of one of the models are both of them.
DISSIMILAR MENTAL MODELS

CREATIVE INFORMATIONAL ACTIVITY VS INFORMATIONAL HOUSEKEEPING (does not involve the modification of models?)

SWITCH VS INTERACTOR

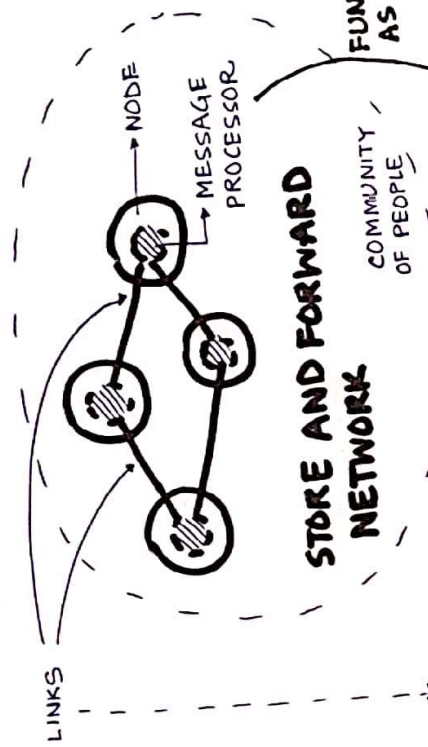
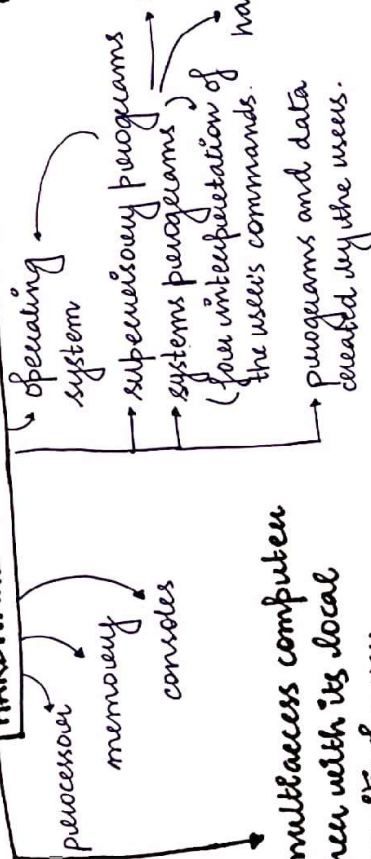
(face to face conversations) EXTERNALISING MODELS

COOPERATIVE MODELING

Cooperation -> Construction, maintenance & use of a model

"Development of interactive communities of geographically separated people by setting up a network of multiaxess computers."

HARDWARE + SOFTWARE + PEOPLE



Transmission and high speed digital switching facilities.

Traffic directors, controllers and connectors.

SWITCH Computers will switch communication lines over messages.

INTERACTOR* Information transmission + processing.

STORE AND FORWARD MESSAGE SERVICE

The death of the internet!

MESSAGE WHAT? Shout sequence of bits flowing through the network from one multiaxess computer to another

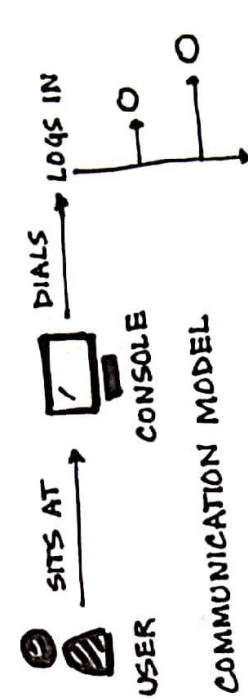
CONSISTS OF Control and data

guides

Transmission of data from source to destination.

FUNCTIONS AS

PUBLIC FILES VS PERSONAL FILES
Access control. -> KEYS
PROTECTED BY



INTERCHANGE OF INFORMATION

BENEFITS

1. Life will be happier.
2. Communication will be more effective, productive and enjoyable.
3. Much communication and interaction will be with programs and programmed models.
4. Exposure to information

As predicted