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FOURTH GENERATION - MULTIMEDIA AND INTERNET

8.1 A SHORT HISTORY OF THE COMPUTER

8.2 THE ULTIMATE EXTENSION

8.3 THE THREE INTERFACES OF NEGROPONTE

No medium is inherently better than any other. --- It's all in what you do with it.

Michael Chabot,

THE AMAZING ADVENTURES OF KAVALIER AND CLAY, Page 363

In the post-literate society, literacy could function as a DEW line: the distant early warning of overload, saturation, and dissolution of individual integrity. Literacy kept you critically conscious; it could restore the balance to the imbalance of instantaneous information. The printed word could be a weapon against unconscious drift. The eighteenth-century focus on language, education, and debate could work like a still point in the electronic wave.

B. W. Powe, THE SOLITARY OUTLAW, Page 183

ONE DIMENSION

WORD-PROCESSING

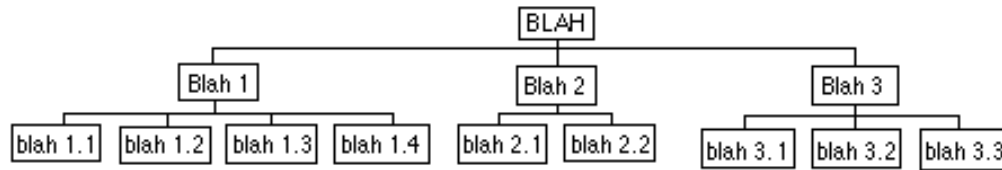
THE STRING

Blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah blah

TWO DIMENSIONS

IDEA-PROCESSING

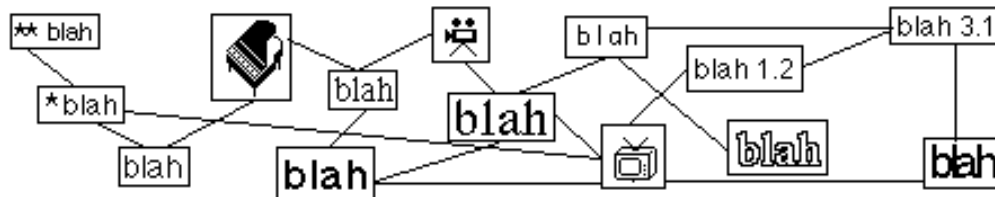
THE TREE



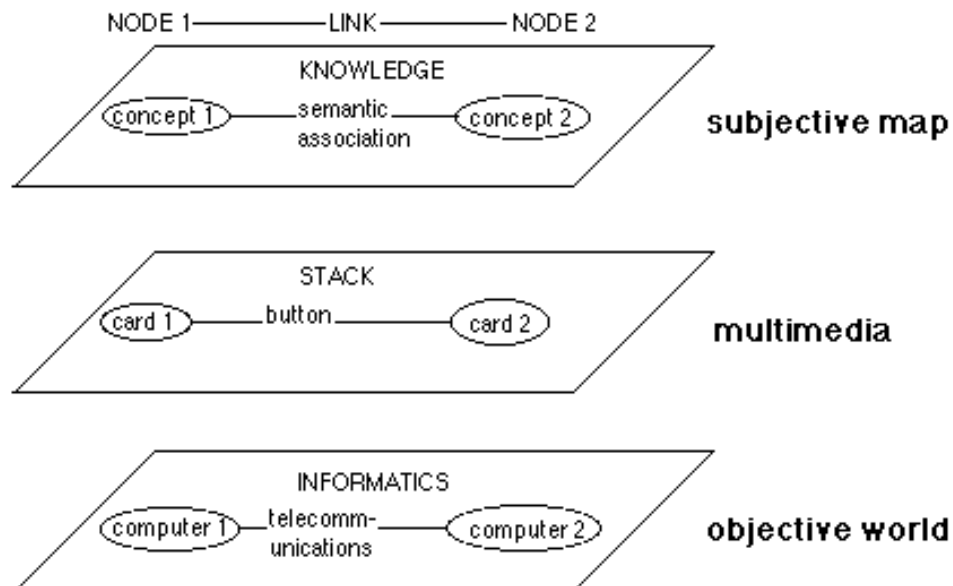
THREE DIMENSIONS

MULTIMEDIA

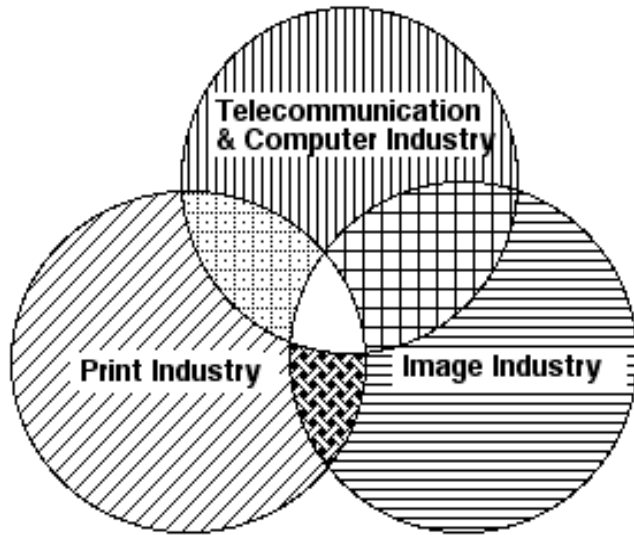
THE WEB



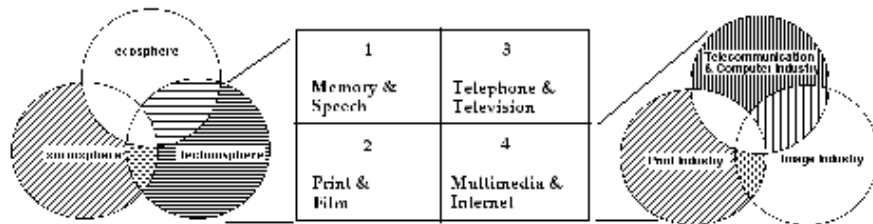
ONE-, TWO, THREE-DIMENSIONAL USE OF COMPUTER



ISOMORPHISM OF NODES AND LINKS



THREE INTERFACES OF NEGROPONTE



INSETS WITHIN INSETS



8 REFERENCES

- BENYUS Janine Benyus
Biomimicry: Innovation Inspired by Nature
New York: William Morrow, 1998
- DAMER Bruce Damer
Avatars!: Exploring and Building Virtual Worlds on the Internet
Berkeley, California: Peachpit Press, 1998
- MOTAVALLI John Motavalli
Bamboozled at the Revolution: How Big Media Lost Billions in the Battle for the Internet
New York: Viking, 2002
- PITTS Gordon Pitts
Kings of Convergence
Toronto: Random House of Canada, 2002
- RHEINGOLD
1985 Howard Rheingold
Tools for Thought: The People and Ideas Behind the Next Computer Revolution.
New York: Simon & Schuster, 1985