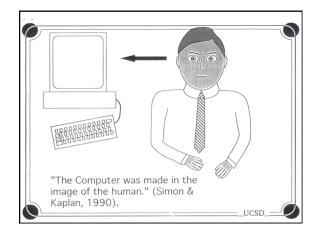
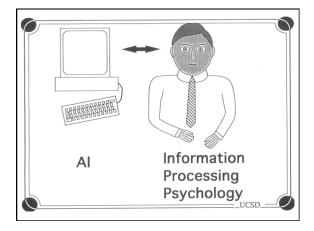
Overview of Distributed Cognition

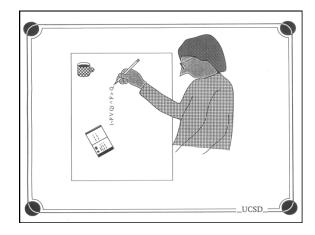
The logic of empirical science • A hypothesis IMPLIES observations - H → O - Underlying mechanism → behavior A weak inference The only strong inference H → O O Not O * H?

What are the mechanisms underlying human cognition?

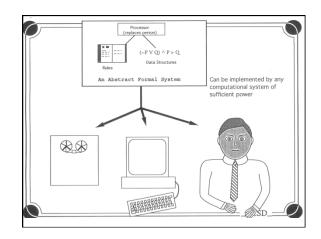
- PSSH → Human cognition?
- Brain → Human cognition?
- Supersized mind → Human cognition?

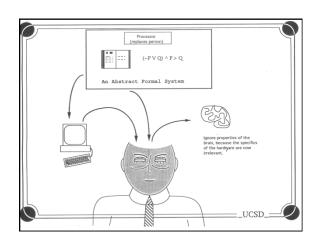


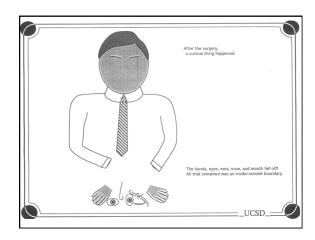


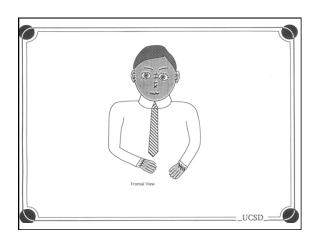


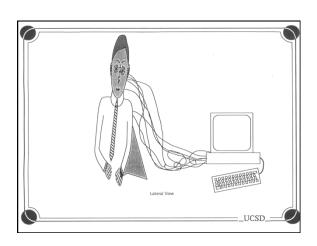


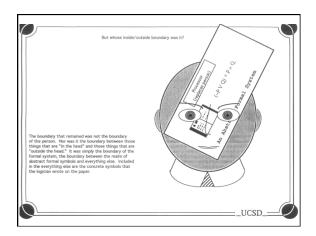


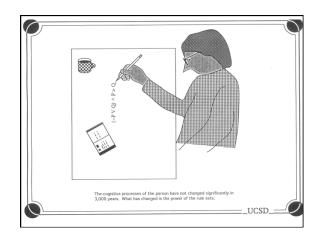


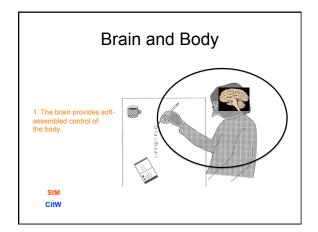


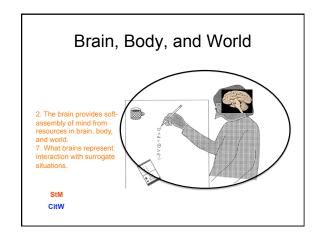


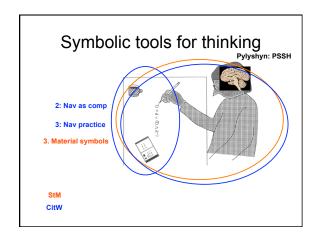


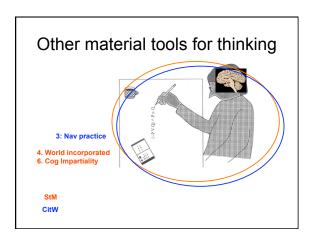


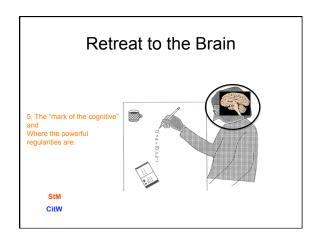


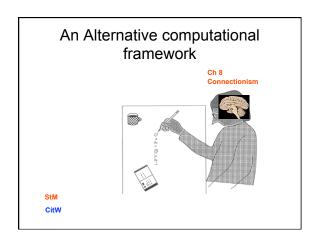


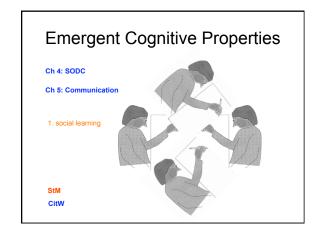


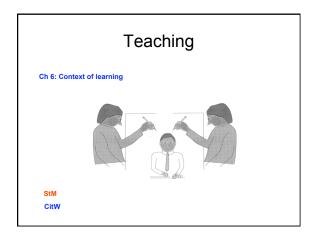


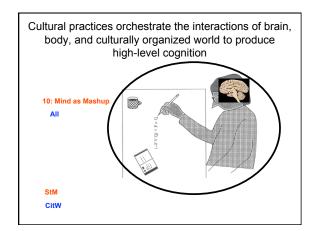






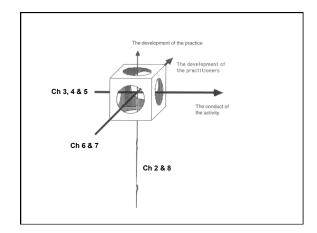






Enculturating the Supersized Mind A cultural flip on Andy Clark's Extended Mind flip

- · Clark delivers the Extended Mind
- · What organizes the extended mind?
 - Clark's trapdoor into the future
- The "mark of the cultural" is everywhere
- · The enculturation of the supersized mind



What does a brain represent?

 Nervous systems do not form representations of the world, they can only form representations of interactions with the world.

Where do human brains do what they do?

• For humans the world in which brain and body are situated is cultural.

How do human brains get organized?

- The brain (with the help of cultural practices) can form functional units that represent interactions with cultural patterns,
- functional units that can maintain coordination with cultural patterns.
- and functional units that can, via emulation, imagine those interactions and that coordination.

How do human brains achieve high-level cognitive processes?

 Under the guidance of yet other cultural practices, the human brain can form higher-level functional units that establish coordination among other forming and already formed functional units.

What is the human brain?

 The human brain is a special super flexible medium in which the historical residues of culture can interact.

