

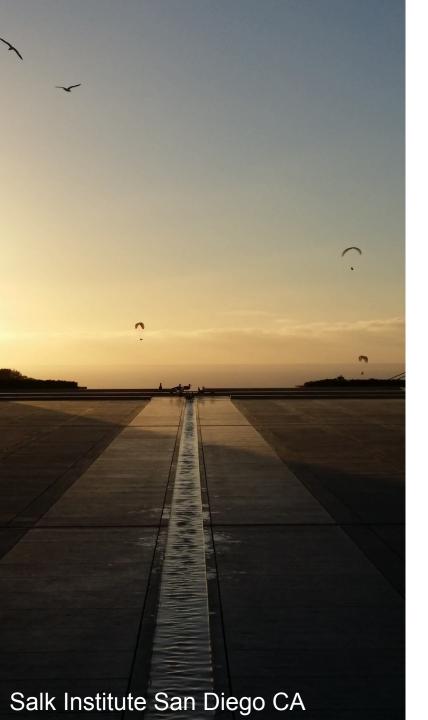
# Cognition in the Wild Ed Hutchins (1995) MIT Press



#### Intelligence lies in ...

- The cortex
- The hands, eyes, etc.
- The tools
- The furniture
- The architecture
- The social structure
- The culture

## Situated Intelligence



Thoughts exchanged by one and another are not the same in one room as in another.

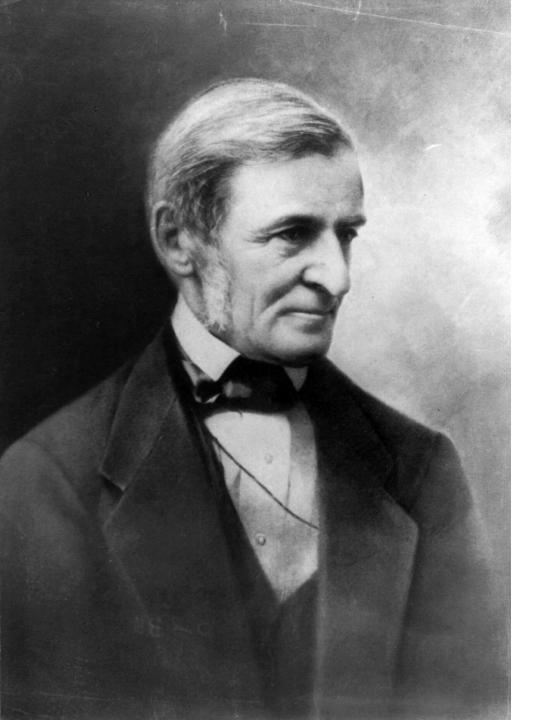
Louis I. Kahn

#### A Conflict Between Terms ...

**Ubiquity:** The condition of being everywhere or in all places at the same time; in general use. (OED)

**Ubiety:** Cóndition in respect of place or location; local relationship; whereness. (OED)

#### **Praceoma**



Life is a journey, not a destination.

Ralph Waldo Emerson

#### **Transitions**

In the wild, place is transitory.



## Wave 0: No Mobility

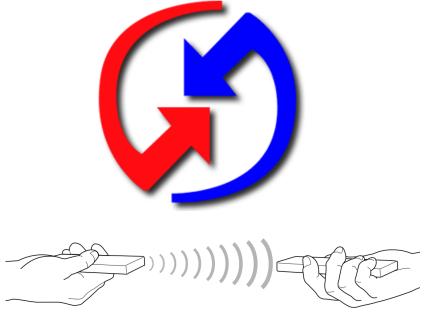


My 1<sup>st</sup> Computer Experience: National Research Council of Canada (1971)

#### Wave 1: PDAs







Casio PF-3000 Databank (1983)

3Com Palm III (1998)

#### Wave 2: Smart Phones



**IBM Simon (1993)** 



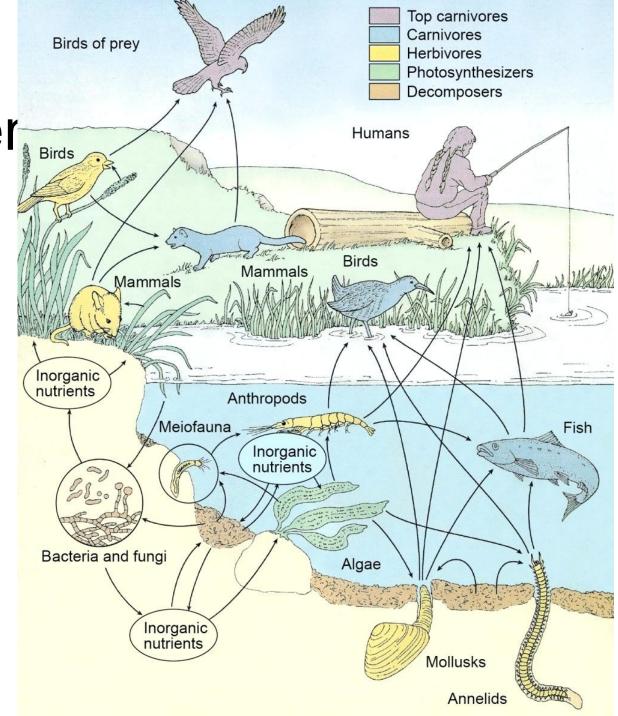
Windows Mobile (2003)



Apple iPhone (2007)

Wave 3: An Ecosyster

- Mobility is no longer associated with a single device or technology.
- Rather, it refers to human activity (which as always been the case).
- Dynamically supported by whatever appropriate technology available & relevant



#### An Ecological Definition of Intelligence



Jean Piaget (1896 – 1980)

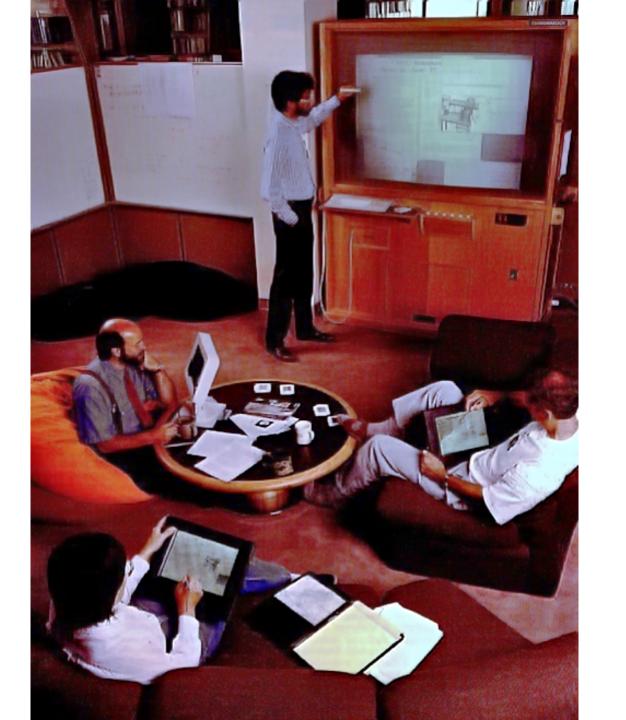
The ability of an organism to adapt to a changing environment through the complementary processes of assimilation and accommodation.



#### Liveboard

**PARCpad** 

**PARCtab** 

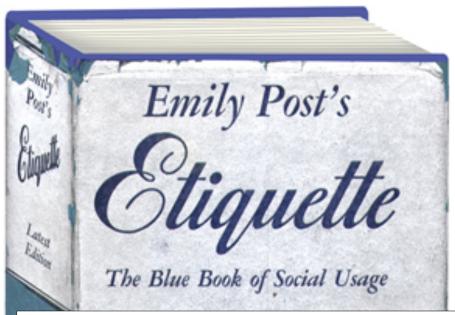




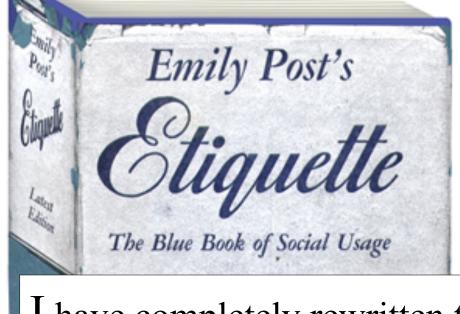




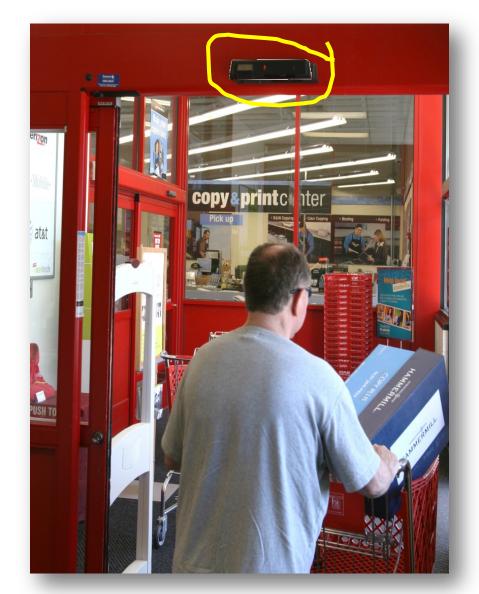




I have completely rewritten this new edition of ETIQUETTE because the problems of modern life demand certain changes in the forms of living.



#### Moral Order





Wilcox's Pier Restaurant. West Haven, Connecticut, 1931 Heron of Alexandria, 1st Century AD





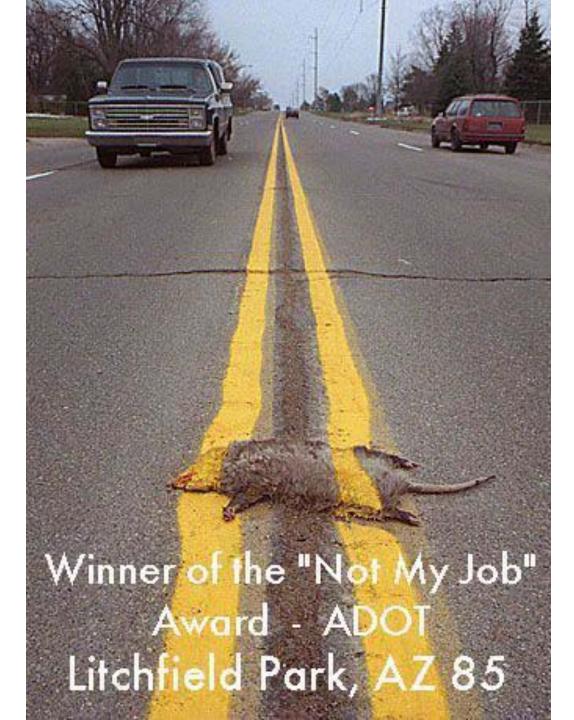
Pair - Connectvs Introduce - Kinship











Threshold of frustration

Of the individual device

Of the collection of devices

# What if things just werkeighteighten? What if things just werkeighteighten?

# Aspiration & Vision vs Implementation

### Withs Mathat?

## Accessibility



#### Questions/Discussion

(psssst ... will be at Microsoft booth 4:00 – 4:30 for further questions ...)