CAC 11	OBJECTIVES
	<ul> <li>Begin to understand varying approaches to understanding and describing space</li> </ul>
	<ul> <li>Differentiate between egocentric and allocentric world-views</li> </ul>
	<ul> <li>Introduction to cultural implications of spatial arrangements</li> </ul>
Perceptions of space	—

# OUTLINE

- Kant's space
- 'Our' understandings of space (?)
- Alternative understandings
  - Guugu Yimithirr
  - Bali
  - Tikopia / Anuta
- Left and right, symbolism

#### space (n.)

c.1300, "an area, extent, expanse, lapse of time," a shortening of Old French *espace*, from Latin *spatium* "room, area, distance, stretch of time".

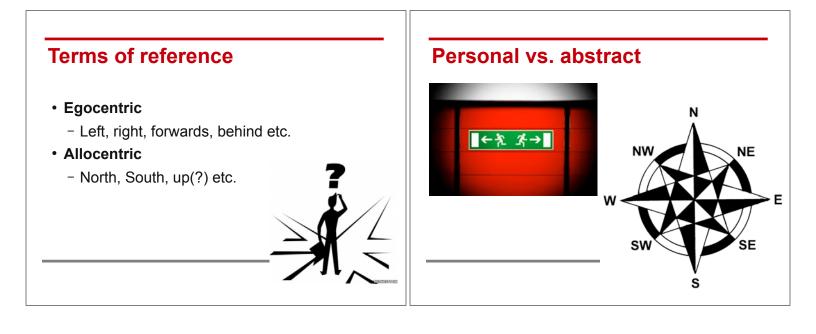
Astronomical sense of "stellar depths" is first recorded 1667 in "Paradise Lost."

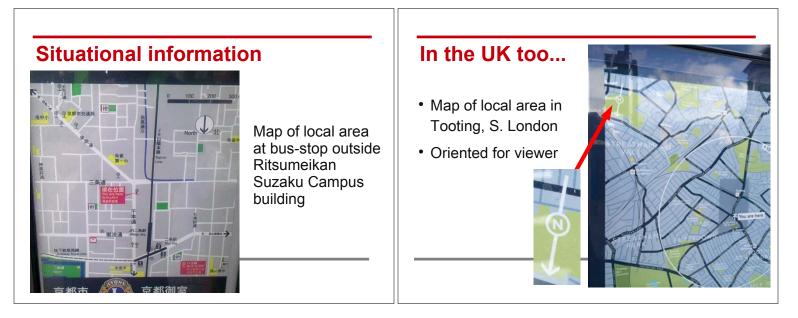
## Kant on 'space'

"Space is not something objective and real, nor a substance, nor an accident, nor a relation; instead, it is subjective and ideal, and originates from the mind's nature in accord with a stable law as a scheme, as it were, for coordinating everything sensed externally."

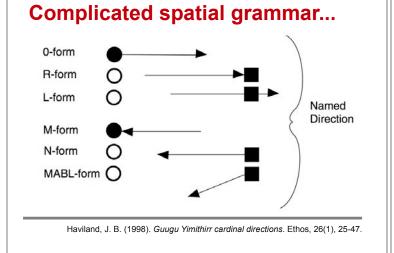
## Kant's questions...

- Is space a *substance* or a *property* of some substance?
- Relationship of space to physical objects?
- Where does our perception of space come from?
- The content of our perception of space?
- Relationship of space-time to our minds?





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#### Absolute position matters...

• Characters on TV or in illustrations in a book change position when the medium is moved.



## Thinking for speaking

"Perhaps a third of the world's languages use absolute systems, in which [...] one would say, 'There's a rabbit north of the tree', or 'seaward from the tree', rather than 'behind the tree'. In order to use an absolute system, you always have to know where you are in relation to the fixed external referent points. That is, online production and interpretation of utterances requires attention to those points, and users of such languages must constantly update their locations accordingly."

Language and Thought Online: Cognitive Consequences of Linguistic Relativity, Slobin 2003

#### Tzeltal: Uphill - Downhill





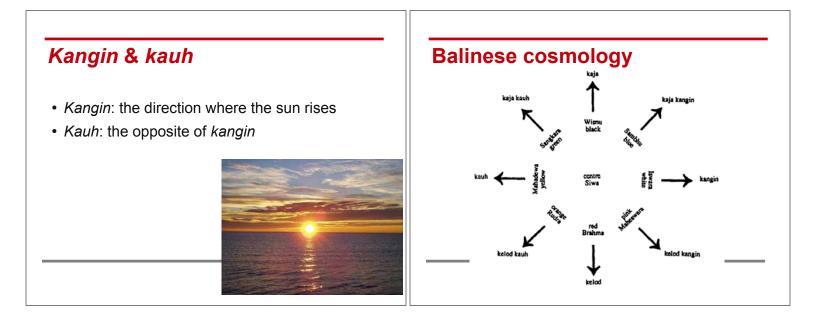




# Kaja & kelod

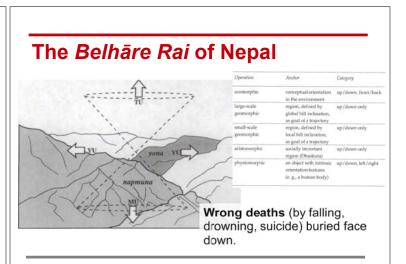
"Orientation is geared to the island's central mountains, to the uphill direction, prototypically to the central volcano, Gunung Agung, the dwelling place of the Hindu gods of Bali: 'Towards the mountain', is the sacred and pure direction, and is called *kaja* (from *ke*, towards and, *aja*, hill, mountain) while 'towards the sea' is the direction called *kelod* (from *ke*, towards and *laut*, sea)"

Wassmann, J. and Dasen, P. R. (1998). Balinese spatial orientation: Some empirical evidence of moderate linguistic relativity. The Journal of the Royal Anthropological Institute, 4(4):689–711.



## **Social importance**

- "Doesn't know where kaja is!" = crazy!
- Boy unable to learn to dance when away from home village.
- Tension / stress / anxiety associated with disorientation

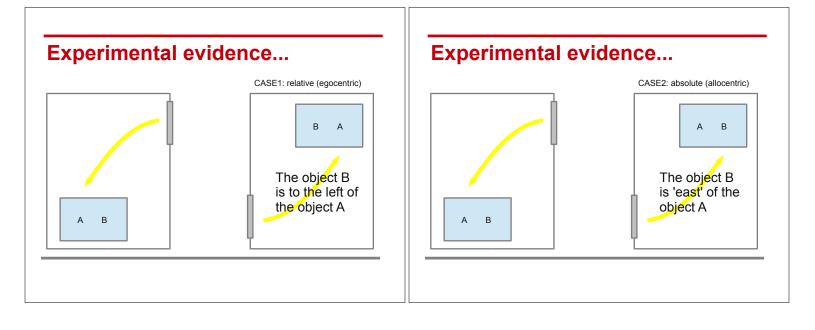


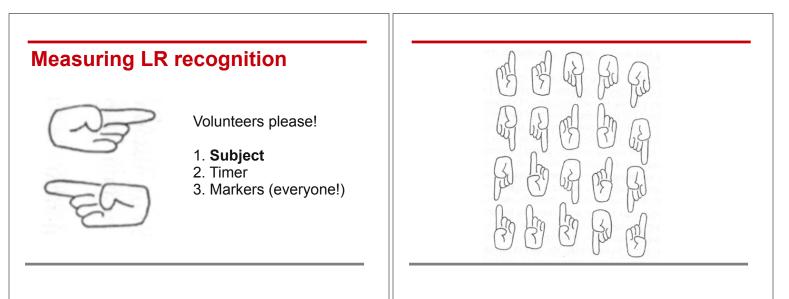
Bickel, B. (1997). Spatial operations in deixis, cognition, and culture: Where to orient oneself in Belhare. *Language and conceptualization*, 46-83.

Tikopia

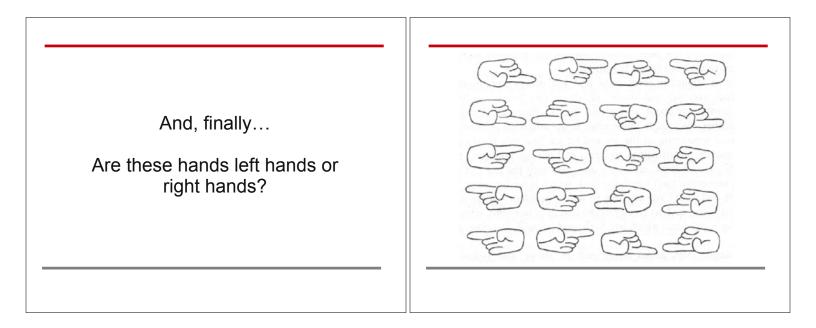


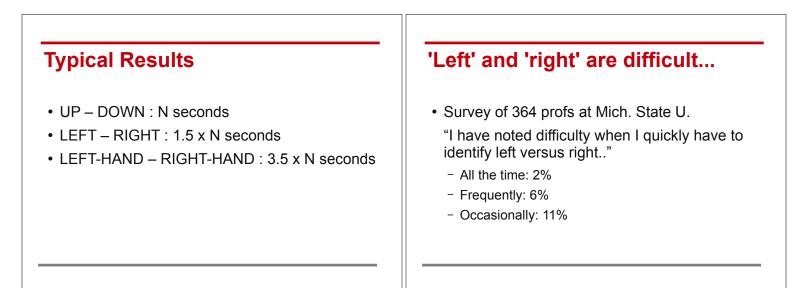






That was the "control condition". Now, for the "main condition" ...





# Left / right symbolism

- **Dexterous:** showing or having skill, especially with the hands
- Sinister: the impression that something harmful or evil is happening or will happen; evil or criminal
- Latin: dexter (right) ↔ sinister (left)

#### Sheep and Goats...

- And he will place the sheep on his **right**, but the goats on the **left**. Then the **King will say to those on his right**, 'Come, you who are blessed by my Father, inherit the kingdom prepared for you from the foundation of the world...
- Then he will say to **those on his left**, 'Depart from me, you cursed, into the eternal fire prepared for the devil and his angels...

Bible, "The Final Judgement", Matthew 25

