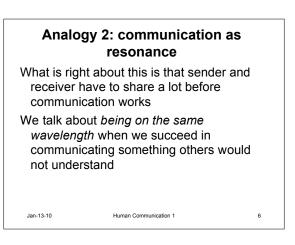


Analogy 1: communication is the transport of ideas			But What has actually moved from A to B?	
First: sender A knows that P (a proposition); receiver B doesn't know that P			 Sound vibrations OK, that's true! But is it enough? And ho does sound carry ideas? What is right about this is that some energy has to be transferred from A to B - only telepathy works without it 	? And how
Then: A makes noises "what do you call a murderer with fibrea cereal killer"				
Next: B hears noises "what do you call a murderer with fibrea cereal killer"				3 - only
In the end: so does know	ender A knows that P; rece / that P	eiver B	But what else has to be in place fo	or this to
So what has	been transported is the ide	ea that P	work?	
Jan-13-10	Human Communication 1	3	Jan-13-10 Human Communication 1	

Analog	gy 2: communication resonance	on as	Α
 another ree energy Bodies ha If two bodies frequencie So sender 	is when one body vibrates esonates picking up some ve 'natural frequencies' s share close enough natu es, they resonate together sends message by vibrat eceives it by resonating	of its ral	What rece com We ta <i>wav</i> com not t
Jan-13-10	Human Communication 1	5	Jan-13-10



4



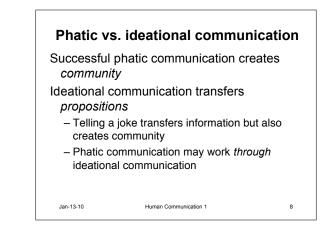
These two metaphors both highlight important complimentary aspects of communication

- Malinowski, an anthropologist writing in the 1920s introduced the term *phatic*
- Contrasted with *ideational* communication
- Paradigm examples of phatic communication include fashion, ritual
- Hard to say what proposition is communicated

Jan-13-10

Jan-13-10

Human Communication 1



Similarities and differences (a)

Both require shared knowledge of codes Both require transmission of energy

- Resonance metaphor seems particularly apt for phatic communication
- Transport of ideas for ideational
- But the two are not easily separable both aspects almost always involved

Much human phatic communication depends on complex ideational communication

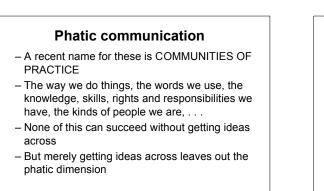
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Similarities and differences (b) A proposition can be understood without knowing

how it fits into the context - phatic communication cannot be decontextualised
e.g. the answer to the question: "What did you do this weekend?" would depend on who was asking it - a friend, your mother, the police....
Cognitive science tends to focus on the ideational and background the phatic (sociological approaches do the opposite) though more recent moves to social communication and intelligence

10

But we forget either altogether at our peril Jan-13-10 Human Communication 1

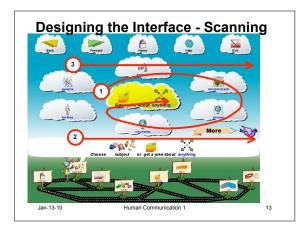


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9

11



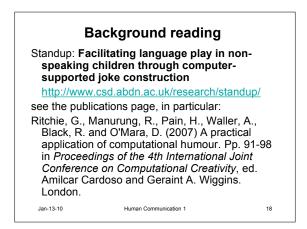


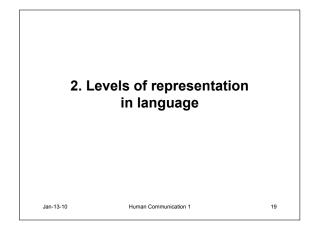


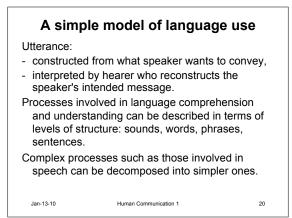


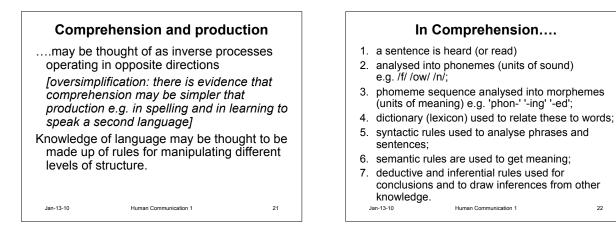


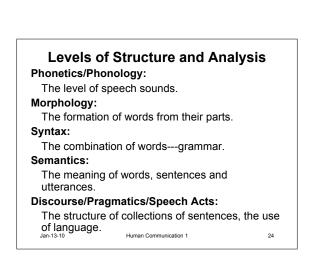












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22

Simplistic Model.... Whilst this is a simplistic model: - serves to suggest the components needed in designing computer systems and - in developing psychological models. More formally we can structure and analyse language at a number of different levels. Jan-13-10 Human Communication 1 23

Phonetics and Phonology

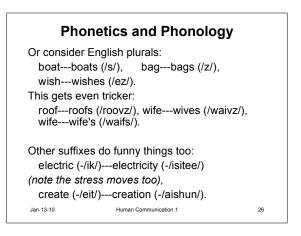
Phonetics is concerned with the sounds themselves, three perspectives:

- Articulatory: how we produce them
- Acoustic: what they are actually like as sound waves

- Auditory: how we perceive them

Phonology is about the relation between words and sounds. Consider:

	innumerate	immoderate		
	intolerant	impossible	incredible	
	unnecessary	unmasked		
	untoward	unbelievable	uncouth	
Ja	n-13-10	Human Communication 1		25



Morphology

-addresses the level of structure internal to the word.
- There are restrictions on the patterns of sound which make up a word:
- almost all languages compose words from syllables,

Jan-13-10

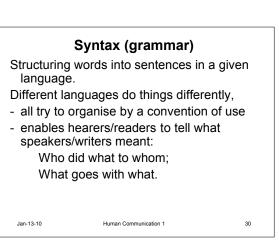
- with a few exceptions all languages require a one-to-one correspondance between syllables and vowels
- But we can identify meaning-bearing units smaller than words.

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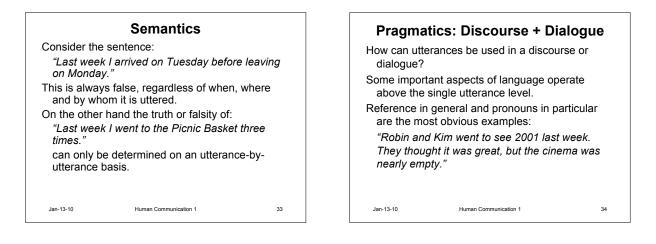
27

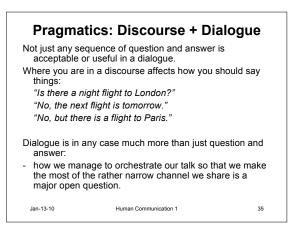
Morphology Inflectional morphology: word forms for different versions of the same underlying word: - singular/plural Usually '-s', sometimes '-ices' ('vertex', 'index') or '-i' ('focus') or nothing ('deer')); - past/non-past/3rd singular present/present participal Usually '-ed', nothing, '-s', '-ing', but lots of more or less irregular cases. Compare 'quack', 'eat', 'do' and 'is'. - basic/comparative/superlative adjectives. Usually nothing, '-er', '-est' English - very modest in this area Spanish - verbs have about 50 inflected forms, Ancient Greek - 350 Amerindian languages - 10s of 1000s of forms for verbs. Jan-13-10 Human Communication 1

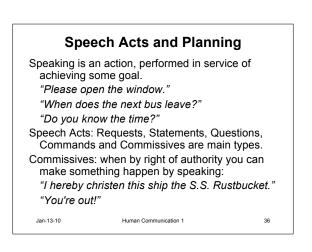




Syntax (grammar)	Semantics
Some languages use word order to manage things: English: Robin kissed Kim I gave the children cold sandwiches French: Robin a baissé Kim Italian: Ho dato ai bambini congelati panini Some languages (also) use adpositions to sort things out: English prepositions: The funeral took place today in Leicester of the two victims Japanese postpositions: Watashi no kodoma wa hon o yormimasu Or languages may use inflection to do the job: Latin: Puell am bon am naut a amat Russian: devochk u horosh uyu matros liubil	 What do words mean, how is this related to what sentences mean and how utterances are interpreted? Sentences are abstract, names for types of utterances. Utterances are concrete specific examples of actual use, spoken or written, of sentences. Sentences have meaning in the abstract, while utterances have concrete interpretations.
Jan-13-10 Human Communication 1 31	Jan-13-10 Human Communication 1 32







Exercises: Take a communication situation and describe how the phatic and ideational aspects of communication figure in your example situation.

e.g.

http://www.youtube.com/watch?v=WxB1gB6K-2A

What are the difficulties that you encounter in fitting these concepts to your example?

Jan-13-10

Human Communication 1

37

