Archaic behavior

- · What sorts of behaviors are first seen among the archaic humans, including the Neandertals?
- What sorts of tools were they making?
- · How were they hunting?
- · What was special about their behavior?
- · What do these mean about the human adaptation at

Modern Humans

- What are Anatomically Mo
- · Why are they so hard to do
- · What features are used to modernity?
- · When and where do these

Spread of Mod

- · When and where do mode
- · When do they appear elses
- Do all modern humans acn same morphologies?
- · Where is the last place that humans?

Modern fo

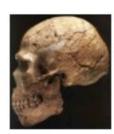
- · high, rounded cranium (greatest breadth high on the parietals)
- less suprastructure development
- · tall, nearly vertical frontal bone
- · face larger under the cranium

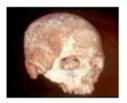


dern Homo sopiens?				
efine?				
define anatomic				
features first appear?				
ern Humans				
ern humans first appear?				
where in the world?				
oss the world show the				
t we find modern				
	\neg			
anti-man				
eatures				
8				
1				
11.17				

Modern features

- mean cc 1350 (range 1000-2000)
- · small teeth
- CHIN
- early ones show more primitive technologies, later share technologies with Neandertals







Modern variety





Herto Bouri Ethiopia 160,000-154,000

Laetoli 18 129,000-108,000

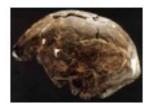






Omo 130,000 - 60,000

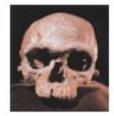
Omo 2



Klasies River Mouth 118,000-60,000



Jebel Irhoud 127,000 - 87,000





Florisbad 100,000

African Moderns

- · Earlier than elsewhere in the World
- · 100,000-160,000
- Mosaic of morphologies, leaning towards the modern

Western Asia

- Moderns either simultaneous with Neandertals or leapfrogging them
- Mosaic





Qafzeh





Skhul

Chinese early Anatomically Modern date to about 70,000

















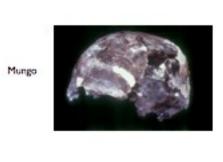






Wadjack









Willandra Lakes





Coolbool Creek 14,000 ya

Asia summary

- Modern from at least 70,000
- · With some very robust features
- On Australia from about 60,000



Predmost





Cro Magnon

What is "Modern Behavior"?

- language?
- complex tools?
- · art?
- boats?
- exploiting new resources?

Getting to Australia....





Tool industries

- · Upper Paleolithic modern humans
- Middle Paleolithic Mousterian Archaic humans
- Lower Paleolithic Acheulean and Olduwan early Homo

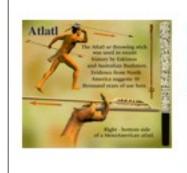
Pressure Flaking







Upper Paleolithic tools









Atlati





Upper Paleolithic Northeast Asia



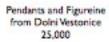


Venus of Willendorf 25,000 ya Austria













South Africa Shell Beads -75,000!

Neandertal ornamentation?





Spain, 50,000

Upper Paleolithic Clothing?











Parietal art from Upper Paleolithic Europe











South African Rock art 27,000



Zambia 35,000-40,000



Engraved Ochre - 75,000





Parietal Art, China



Aboriginal Rock art dates to as far back as 40,000 years



Wall Paintings from Queensland Australia

And then what?

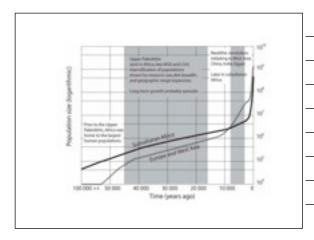
- Significant anatomical and behavioral changes
- · Modern humans spread around the world
- · Population size greatly increases











New Tools







Mesolithic Canoe



Replica of a Mesolithic Hut



Mesolithic fish trap, Ireland





Mesolithic Painting depicting Bow and Arrow







Furget the experts, domestication of the dog-only train about 8 seconds

