

Lectures 7 to 9: Key terms, concepts and questions to ponder

You should become familiar with the following terms, concepts, people and places from your readings in Campbell *et al* and the other assigned readings for these three lectures. You should also give some consideration to the problems and issues mooted in the "To Ponder" section.

Vocabulary

<i>Australopithecus</i>	"australopithecines"	
<i>Sahelanthropus tchadensis</i>	ca. 6 - 7 myr	Chad
<i>Orrorin tugenensis</i>	ca. 6.0 myr	Baringo Hills, Kenya
<i>Ardipithecus ramidus</i> (initially <i>Australopithecus ramidus</i>)	ca. 5.5 - 4.6 myr	Awash, Ethiopia
<i>Ardipithecus kadabba</i>		Middle Awash
<i>Australopithecus</i>		
<i>A. anamensis</i>		West Turkana, Allia Bay
<i>A. afarensis</i>		Laetoli, Hadar
<i>A. africanus</i>		Taung, Sterkfontein S. Africa
<i>A. garhi</i>		Middle Awash, Ethiopia
<i>A. bahrelghazali</i>		Lake Chad
<i>Kenyanthropus platyops</i>	ca. 3.5 myr	West Turkana
<i>Paranthropus</i>		
<i>P. aethiopicus</i>		West Turkana, S.W. Ethiopia
<i>P. boisei</i>		Olduvai Gorge, Koobi Fora, S.W. Ethiopia
<i>P. robustus</i>		S. Africa
type specimen		
Raymond Dart	Osteodontokeratic culture	

To Ponder

-) How are 'species' of living animals recognized and defined? How are fossil species recognized. Are living and fossil species comparable entities?
-) Why is it so difficult for palaeoanthropologists to determine how many hominid species and genera they have discovered, and how they relate to one another evolutionarily?
-) What theoretical positions underlie "lumping" and "splitting" in the classification and taxonomy of fossil Plio-Pleistocene hominids?
-) What are the variables commonly cited as possibly contributing to the reduction of canine size in early hominids?
-) How can we recognize which early hominids were potential makers and users of stone tools? What are the sources of evidence available to us to attempt this?