Fossil evidence for alleged apemen—Part 2: non-Homo hominids

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The aim of this overview is to critically analyze the fossil evidence for the alleged apemen that are not classified in the genus *Homo*. Each of these hominid candidate species will be examined in roughly ‘evolutionary’ chronological order, beginning with the earliest. The skeletal morphology of these alleged apemen indicates they were extinct apes that had nothing to do with human evolution.

The supposed apemen belong to a category of fossils known as hominids, a group that includes living humans, their ancestors and any other ape-like creature believed to be more closely related to humans than to chimpanzees. Some evolutionists now refer to this group as hominins. The term hominid is nonsensical from a creationist point of view, because the hominids were either human or apes, not anything in-between. The term is used here only to categorize these fossils, and does not imply a belief that such creatures really existed. According to evolutionists, the defining moment for determining a hominid is the hypothesized split between humans and chimpanzees. In the past the human and chimpanzee calibration point has been determined by a molecular clock to be 5 million years ago (Ma), using as calibration point the supposed split between Old World monkeys and apes 30 Ma, as determined by conventional radiometric dating of fossils. The split is now thought, by evolutionists, to have occurred about 5–7 Ma. Radiometric dating and molecular clocks are based on unproven and problematic assumptions. When the evolutionary ages of fossils are given in this article, it is for the purpose of putting them in an evolutionary context, and it in no way implies that these age dates are valid.

The australopithecines refer to the members of the genus *Australopithecus*, and in earlier times this was the only hominid genus apart from *Homo*. However, in recent years many hominids have been assigned to new taxa outside *Australopithecus*, such as the genus *Ardipithecus*, *Sahelanthropus*, *Orrorin* and *Kenyanthropus*. From a creation point of view, it should be remembered that a species is not equivalent to a biblical kind.

Sahelanthropus tchadensis

If publicity surrounding the announcement of a fossil find is anything to go by, then *Sahelanthropus tchadensis* is the frontrunner for the title of earliest hominid, as the hype was extraordinary even for apemen fossils, which have a reputation for making a lot of ‘noise’ on arrival. The cranium of *Sahelanthropus* (TM 266-01-060-1, nicknamed Toumai), found in Chad, Central Africa, was featured on the cover of the 11 July 2002 issue of *Nature*, with the title ‘The earliest known hominid’. The single cranium and other fossils (fragmentary lower jaws) were dated by the researchers, using associated fauna, to be between 6 and 7 Ma, with the cranium estimated to have a cranial capacity somewhere between 320 to 380 cm$^3$. The odd thing about the Toumai cranium is that it looks chimpanzee-like from the back, but from the front it is said by one expert to pass as an advanced australopithecine. According to Bernard Wood, a hominid of Toumai’s supposed age ‘should not have the face of a hominid less than one-third of its geological age’. Hence, if evolutionists accept *Sahelanthropus* as the earliest stem hominid, then this casts legitimate doubt on the human ancestry status of all other hominids with more ‘primitive’ faces, and, as such, would invalidate most of the geologically younger australopithecines.

Almost before the print had dried on the hyped headlines surrounding Toumai’s arrival, other evolutionists, including Brigitte Senut of the Natural History museum in Paris, expressed doubt about Toumai’s hominid status. In an interview, she stated her view as tending ‘towards thinking this is the skull of a female gorilla’. This hardly corroborates Harvard paleontologist Daniel Lieberman’s earlier relegation of *Sahelanthropus* to an ape, by some experts, did not receive the same media attention.
grandiose claim about Toumai being ‘the most important fossil discovery in living memory’.9 A team led by Wolpoff argued that Toumai’s impressive supraorbitals (large brow ridges), which are greater than in any australopithecine or extant ape, were more likely to be a mechanical response to strain,10 and not an indicator of facial similarity to the genus Homo. Examination of scars left on the back of the skull from neck muscle attachments led them to conclude that Toumai was a quadruped (i.e. walked on four legs, not two).11 After their examination of Toumai, they stated their belief “that Sahelanthropus was an ape”.12 Another alleged hominid feature of Toumai is its small canines compared to extant apes.13 Although Sahelanthropus differs from extant gorillas in some features, there are also many similarities, and according to Matthew Murdock there is a strong possibility that Sahelanthropus and extant gorillas are related in the sense that they are both members of the same biblical kind.14 If this is correct, then the small canines may just reflect greater canine size variation existing in this ape kind in the past, with the genetic information for small canines subsequently lost.

Recently, claims have been made that one of the molars in the mandible was glued in the wrong place, and that an incisor collected at the site was not featured in the original Nature paper.15 The authors argued that the fossils attributed to Sahelanthropus ‘are the subject of debate as to whether they represent a hominid or an ape. It is therefore necessary to provide full and accurate details of the fossil collection’.16 As so often happens in paleoanthropology when the establishment is challenged, the pair making the claims suffered a backlash.17 Also predictable was that the relegation of Sahelanthropus to an ape followed the familiar pattern of not getting anywhere near the same media attention that greeted its initial ascension to apeman.

**Orrorin tugenensis**

Early in 2001 Orrorin tugenensis, claimed to have lived about 6 Ma, was announced as a candidate for the earliest hominid (the fossil bones were found in Kenya’s Tugen Hills), by a team of researchers led by Brigitte Senut and Martin Pickford.18 The fossils consisted of 13 pieces, including broken femurs, several teeth, and bits of lower jaw.19 Hence, it is not possible to know what the head of this creature looked like. The only reason Orrorin has claims to early hominid status, as well as claims of bipedality, is that it was found in the right evolutionary time period. Bipedalism is considered by evolutionists to be important evidence of hominid status. Orrorin supposedly walked on two legs because of an alleged human-like femur (thigh bone), based on its long femoral neck and a groove on the back of this neck which is present in humans, but absent in chimpanzees.20 However, this groove, where the obturator externus muscle presses against the bone, is also found in non-bipeds,21 and according to one expert, scans through Orrorin’s femoral neck show a chimp-like distribution of cortical bone.20 Another argument is that the head of the femur in Orrorin is proportionally larger than Lucy’s, and evolving a large-headed femur would help dissipate the forces caused by bipedalism.22 The team controversially suggested that Orrorin had independently evolved bipedalism, separately from Lucy and other species of Australopithecus, whom they relegated to an extinct side-branch of the hominid family.22

The controversy of Orrorin resumed again in September 2004 with the publication of the results of computerized tomography (CT) scans of the femur, claiming a non-ape, later hominid, distribution of cortical bone in the neck-shaft junction of Orrorin’s femur, indicating bipedal locomotion.23 As reported by Ann Gibbons, when speaking about these latest finds:

‘Senut proposed that Orrorin’s gait was more humanlike than that of the 2- to 4-million-year-old australopithecines. If so, australopithecines would be bumped off the direct line to humans—a dramatic revision of our prehistory.’24

Paleoanthropologist Tim White disagreed with this ‘gait’ assessment and attacked the latest published findings by saying that ‘the resolution of the CT scans was so poor that it was impossible to be certain of the pattern of bone thickness’.24 White also ‘called Senut’s displacement of australopithecines “une position créationniste”, because it suggests that Orrorin’s femur was quite modern 6 million years ago, rather than evolving by stages’.24 It seems that even evolutionists that stray outside the orthodox evolution hominid story risk a backlash.

According to David Begun of the University of Toronto, the evidence for bipedalism in Orrorin is ambiguous.21 Soon after the initial publication of the fossils, Begun commented that the fossil fragments representing Orrorin could not reveal whether it was ‘on the line to humans, on the line to chimps, a common ancestor to both, or just an extinct side branch’.19

**Ardipithecus kadabba**

A few months after Orrorin tugenensis was announced, another early hominid candidate, from Middle Awash, Ethiopia, called Ardipithecus ramidus kadabba, dated to between 5.2 and 5.8 Ma, was described in the journal Nature.25 The name of this specimen was, in 2004, elevated from subspecies status to a separate species, Ardipithecus kadabba, based on the recovery of additional fossil teeth.26 In kadabba (as in Orrorin) the fossil finds consisted of some postcranial bones, teeth, and jaw fragments, and so it is not known what the head of these creatures looked like.

The kadabba specimen is interpreted as a biped based on the characteristics of a single toe bone (a proximal foot phalanx), in particular the dorsal orientation of the proximal joint surface.27 The argument is that the toe bone’s joint surface is tilted upwards in a human-like manner, whereas in chimpanzees it tilts downwards, and so it is supposedly
evidence that kadabba ‘toed off’ in a human-like manner when walking.28 However, as pointed out by Begun, ‘the same joint configuration occurs in the definitely non-bipedal late Miocene hominid Sivapithecus, and the length and curvature of this bone closely resembles those of a chimpanzee or bonobo’.29

Amazingly, the toe bone is dated several hundred thousand years younger than the rest of the fossils, and was found in a locality 16 km away from the rest, making even famous hominid hunter Donald Johanson dubious about categorizing the toe bone with the rest of the fossils.30 From the few (eleven) fossil scraps, belonging to at least five different individuals, from five different locations,25 it seems amazing that they can all be designated as belonging to the same subspecies, and later, on the basis of finding some additional teeth,26 that the fossils can be assigned to a new species. According to Balter and Gibbons, ‘The Orrorin and Ardipithecus teams assert that each other’s fossils could represent an ancestor of chimps or other apes, rather than one of our early human ancestors or cousins’.31 Perhaps both teams are partially right, as there is little doubt that both hominids were mere apes.

Ardipithecus ramidus

In 1994 a team led by Tim White announced the finding of Australopithecus ramidus from Aramis, Ethiopia, which, at the time, being dated at 4.4 Ma, was the earliest ‘hominid’ find of any significance.32 About eight months later, in a corrigendum, the authors reclassified the fossils into an entirely new genus, Ardipithecus, with the new species name being Ardipithecus ramidus.33 The original article was accompanied by a cover photo, in the 22 September 1994 issue of Nature, of a small jaw fragment from Ardipithecus ramidus, containing an embedded tooth, with the title ‘Earliest hominids’. Hence, one would have expected a significant find, but instead the fossils, comprising postcranial, dental and cranial scraps, in the authors own words, ‘shows a host of characters usually associated with modern apes’.34 The authors argue for hominid status mainly based on a more incisiform canine morphology and a more anterior position of the foramen magnum, as they believe ‘Acquisition of these states at Aramis may correlate with bipedality although this remains to be demonstrated’.35 Even in the evolution community, not everyone is convinced that ramidus is a hominid. According to Peter Andrews, of London’s Natural History Museum, the thin enamel on the teeth of ramidus ‘is more of what you’d expect from a fossil chimp’, and the features of an upper arm bone ‘suggests knuckle-walking, chimp-style’.36 Recently, more fossil scraps from Afar, Ethiopia (jaws, teeth, toe and finger bones), were assigned to at least nine ramidus individuals, and claims of bipedality were made based on the dorsal orientation of the proximal joint surface of a proximal foot phalanx, a feature also seen in kadabba.37 See the kadabba section above for a refutation of this bipedality claim.

Australopithecus anamensis

In 1995, dental, cranial and postcranial specimens from two separate localities in Kenya, dated from about 3.8 to 4.2 Ma, were announced as belonging to a new hominid species, Australopithecus anamensis.38 Most of the fossil scraps undoubtedly came from an ape, such as the chimp-like jaws, but controversy has surrounded the alleged more human-like nature of the tibia and humerus.39 The anamensis humerus lacks a deep, oval hollow, used as a locking mechanism between the humerus and ulna, the latter being present in chimpanzees, but not in humans, and the anamensis tibia is wide, as in humans, because of extra spongy tissue, which acts as shock absorbers during bipedal locomotion.40 At the time of publication, paleontologist Peter Andrews raised the suggestion that the tibia and humerus, coming from different sections (upper level) of the Kanapoi locality strata than the ‘primitive’ jaws and teeth (lower level), might possibly ‘be related to humans and the other to apes’.41 There were some mandible fragments (KNM-KP 29287) found in upper-level strata, but these were from a different (higher) level than the tibia (KNM-KP 29285) and humerus (KNM-KP 271).42 At the time there was also the problem of several hundred thousand years in evolutionary time between the upper and lower levels, but in a later paper, dates were obtained that narrowed the time gap.43 In this later article additional finds of fossil scraps from anamensis were reported, but no additional evidence was provided associating them with the tibia and humerus. Also, the 2000 analysis of a fossil radius (KNM-ER 20419) from the other anamensis location, Allia Bay, indicated ‘specialized wrist morphology associated with knuckle-walking’.44 In a paper co-authored by Meave Leakey, anamensis is said to be very like aferensis, postcranially, with the humerus, tibia and radius ‘almost exactly matched in size and morphology to the A. aferensis collections from Hadar’.45 Hence, if the postcranial remains do belong to anamensis, then at most you have an ape-like creature with a similar locomotion pattern to the ape-like aferensis. As more in-depth analysis has been performed on aferensis, which has more postcranial fossils attributed to it, the reader is referred to that section.

Australopithecus aferensis

The discovery of the famous Lucy skeleton in Ethiopia in 197446 and the controversy over the naming of Australopithecus aferensis in 197847 are well known and will not be retold here. The estimated cranial capacity of aferensis, whose evolutionary time range was from about 3.0 to 3.9 Ma, is between 375 and 540 cm³, with a mean of about 470 cm³,48 although the mean brain size is elsewhere given as 438 cm³.49 Above the neck, the skull (including jaws) of aferensis has been described as ape-like,50 with evolutionary experts distinguishing its cranium from that of chimpanzees, mainly due to smaller canine and larger postcanine teeth in aferensis, ‘and the influence the smaller canines has on the
The Homo erectus skeleton of KNM-WT 15000 (left) is compared to the australopithecus afarensis skeleton of Lucy (right). There is a huge morphological gap between the essentially modern human postcranial skeleton of erectus and that of the australopithecine postcranial skeleton, as represented by Lucy. For example, the conical-shaped rib cage of Lucy suggests she was thick-waisted with a pot-bellied abdomen, like chimpanzees. Also, there is wide flaring of the ilia of Lucy’s pelvis, compared to the narrower ilia of humans. For further discussion, see Mehlert. (Image from Walker and Shipman.)

face of A. afarensis, including the reduced snout and the presence of a canine fossa. Details of the first skull of afarensis (AL 444-2) were published in 1994, and at the time it was the largest australopithecine skull known, with an estimated cranial capacity later determined to be 540 cm³. Previous to this the reconstruction of the afarensis skull was a composite, based on fossil fragments from several individuals, and as a result there were accusations that Kimbel and White, who made the composite skull, ‘had force-fit the face of a slender Homo-like species onto the brain case of a robust one’. Postcranially, afarensis possessed ape-like features such as a conical-shaped rib cage, and, along with other australopithecines, were heavily built for their stature and ‘almost certainly were not adapted to a striding gait and running, as humans are’. Humans have barrel-shaped rib cages, and by comparison to apes, are lightly built for their stature. Analysis of the socket of the shoulder blade (scapula) of afarensis showed that it was directed far more cranially (skywards) compared to humans, whose socket is perpendicular to the ground, and that, like apes, this upward orientation of the afarensis socket would have been ‘valuable if the arm were held overhead much of the time, as it is when climbing and hanging in trees’. As for limb proportions, the estimated humerofemoral index (ratio of humerus to femur length) in afarensis is less than that of extant apes, although still significantly greater than that of humans. Humans have relatively short arms and very long legs, and according to Tattersall and Schwartz, it is a ‘fact that the legs of afarensis were quite short’. The estimated brachial index (ratio of radius to humerus length) in afarensis is greater than that of humans and gorillas, but less than that of other extant apes, but this estimated index is very unreliable because of the difficulty in making a reliable length estimate of the radius of Lucy (AL 288-1), and a generous length estimate of the radius would bring the brachial index within the chimpanzee range. However, Tattersall and Schwartz state that ‘even if the relative proportions of the arms are more humanlike than apelike (the lower arm is much longer compared with the upper arm in chimpanzees and especially the full-time arborealists—orangutans and gibbons)—the arms of afarensis were still quite long’. The bones of the fingers in afarensis, particularly the proximal phalanges, are curved, similar to those of chimpanzees, and ‘indicate adaptation for suspensory and climbing activities which require powerful grasping abilities’. The toes of afarensis are also curved, as in apes, and suggest an ability to climb trees. According to Stern and Susman, the foot and ankle remains of afarensis ‘reveal to us an animal that engaged in climbing as well as bipedalism’. They go on to state that ‘There is no evidence that any extant primate has long, curved, heavily muscled hands and feet for any purpose other than to meet the demands of full or part-time arboreal life.’

The analysis by Stern and Susman, in 1983, of afarensis hand fossils indicated many features in common with chimpanzees, but they pointed out that examination of the metacarpals yielded no evidence that afarensis was a knuckle-walker. Evidence for afarensis being a knuckle-walker would surface later, however. The wrist morphology in extant knuckle-walking African apes (chimpanzees and gorillas) has a specialized locking mechanism that limits ‘wrist extension during the support phase of knuckle-walking’. In 2000 Richmond and Strait reported that the distal radial morphology (including the scaphoid notch) in anamensis and afarensis was similar to that of the knuckle-walking African apes, whereas the radius attributed to robustus, and in particular africanus, was more human-like. Amazingly, the authors suggested that the knuckle-walking features in anamensis and afarensis were non-functional retentions from an earlier ancestor. However, non-functional retentions (evolutionary baggage) are not something that is expected to persist for long, according to evolutionist Jeremy Cherfas:

‘Everything about her skeleton, from fingertips to toes, suggests that Lucy and her sisters retain several traits that would be very suitable for climbing
in trees. Some of those same tree-climbing adaptations can still be detected, albeit much reduced, in much later hominids such as the 2-million-year-old specimens of *Homo habilis* from the Olduvai gorge. It could be argued that Lucy’s arboreal adaptations are just a hangover from her tree-dwelling past, but animals do not often retain traits that they do not use, and to find those same features in specimens 2 million years later makes it most unlikely that they are remnants.\(^68\)

Another point of interest from the Richmond and Strait study was that the wrist morphology in *africanus* was more ‘modern’ than that of *afarensis*. However, other studies have indicated that the foot, lower leg and limb proportions in *africanus* are more ape-like than in *afarensis*, although the skull of *afarensis* is more chimpanzee-like than *africanus*.\(^69\) One might well wonder what the supposed evolutionary relationship between *africanus* and *afarensis* is in this complicated picture, as *afarensis* has been proposed as the ancestor of *africanus*. According to Collard and Aiello:

“It is no longer a case of the skull pointing to one set of phylogenetic relationships, and the postcranial skeleton—everything but the skull—to another. Rather, different parts of the postcranium may not support the same phylogenetic hypothesis.”\(^69\)

In regards to Lucy, according to archaeology professor Clive Gamble:

“The anatomy shows a fully bipedal gait but with some differences from modern humans. Indeed, these are so distinctive that in his exhaustive study of the limbs Charles Oxnard concluded that the method of locomotion was neither ape-like nor human. Nor was it a midway stage but truly unique.”\(^70\)

The central argument for *afarensis* being a hominid is that the creature had an erect posture and was capable of bipedal locomotion. The argument that *afarensis* was bipedal is based on skeletal reconstructions of the pelvis and lower limb bones. As up to 40% of Lucy’s postcranial skeleton was recovered, a lot of the morphological and biomechanical analyses are based on these bones, although not exclusively so. One problem with reconstructions of Lucy’s skeleton (dated to about 3.2 Ma) is the subjective nature of the work, as predetermined belief about the posture of *afarensis* may bias the reconstruction of the skeleton. How else can the following statement by Maurice Abitbol, who studied Lucy’s pelvis, make sense?

“Prevailing views of Lucy’s posture are almost impossible to reconcile. When one looks at the reconstruction proposed by Lovejoy (1998) and by Weaver et al. (1985), one gets the impression that her fleshed reconstruction would be the body of a perfectly modern human biped (Figure 1a). But when one looks at the preliminary reconstruction recently shown at the Smithsonian, one gets the impression of a chimpanzee awkwardly attempting to stand on its hindlimbs and about to fall on its frontlimbs (Lewin, 1988). In the latter, the implication is a “primitive” form of bipedality in the Hadar hominids. To resolve such differences, more anatomical (fossil) evidence is needed. The available data at present are open to widely different interpretations.”\(^71\)

Amazingly, Lucy’s posture can be interpreted to be anything from modern human to chimpanzee-like. Hence, creationists have every right to be extremely sceptical of claims that Lucy and other australopithecines were at a stage of evolution between human and apes, when the main evidence for that claim is based on such speculative interpretation of data. From his study, Abitbol concluded that ‘Lucy’s erect posture is unlike that seen in modern humans and is still a mystery.”\(^72\)

Another problem with studies that investigate the locomotion capability of fossils belonging to creatures such as *afarensis* is that discussions about muscular functions ‘assume *a priori* that the muscles were in a close to human pattern’\(^73\). In a biomechanical analysis of Lucy’s pelvis and lower limb bones, in particular the reconstruction of the *gluteal musculature*, Christine Berge reported that ‘an ape-like gluteal organization would offer better ability than a human-like one’.\(^73\) From the study, Berge concluded ‘that the bipedalism of *Australopithecus* must have differed from that of *Homo*. Not only did *Australopithecus* have less ability to maintain hip and knee extension during the walk, but also probably moved the pelvis and lower limb differently. It seems that the australopithecine walk differed
From their detailed analysis of the postcranial skeleton, Stern and Susman ‘discovered a substantial body of evidence indicating that arboreal activities were so important to *A. afarensis* that morphologic adaptations permitting adept movement in trees were maintained’. Concerning *afarensis*, they also concluded ‘that the nature of terrestrial bipedality, when it was practiced, was different from modern humans’. Also, CT scans by a group led by anatomist Fred Spoor of the University of Liverpool of the bony labyrinth (fluid-filled semicircular canals) of the inner ear, which is part of the vestibular apparatus responsible for balance, showed that the semicircular canal dimensions in crania attributed to other australopithecines (*africanus and robustus*) were similar to that of extant great apes. Although scans of *afarensis* were not performed, it is likely that the labyrinth of *afarensis* would resemble the same chimp/ape pattern as these other australopithecines. Hence, the evidence indicates that it is very unlikely that *afarensis* was a habitual bipedal walker. It is also not clear whether the limited bipedalism exhibited by some australopithecines, such as *afarensis*, was postural and related to feeding, as opposed to locomotion. It should be remembered that extant bonobos (pygmy chimpanzees) have been observed to walk bipedally about 10% of the time, so limited non-human bipedalism occurs even in extant apes.

So what exactly do we have in *afarensis*? The answer is a creature with the brain the size of an ape, a skull that was ape-like with a body similar in shape and size to an ape, and a creature that was specialized for climbing in trees and knuckle walking, similar to apes. In other words, you have an ape. However, if *afarensis* also had some limited ability for non-human bipedal locomotion, which was perhaps more efficient than that of extant bonobos, is this evidence that the creature was an ape-man, or does it just reflect the diversity of the ape/australopithecine body structure that God created?

That the answer lies with the latter is indicated in the analysis of the skeletal remains of an ape from Italy called *Oreopithecus bambolii*, dated from 7 to 9 Ma, whom nobody appears to want to label a hominid, as the fossil remains are in the wrong location and outside the hominid time ‘window’, yet *bambolii* had an anatomy supporting limited bipedal locomotion. According to the authors of the study, parts of the pelvis of *bambolii* resembled that of *afarensis*, and its femur showed ‘a pronounced diaphyseal angle combined with condyles of subequal size, similar to *Australopithecus* and *Homo* and functionally correlated with bipedal activities’. According to Henry Gee, ‘this creature is thought to have become bipedal independently and was only distantly related to hominids’. Apes evolving a form of bipedal locomotion once is difficult enough to believe or imagine; that it must have independently happened multiple times, in order to ‘rescue’ evolutionary theory, reveals evolution to be a collection of just-so stories that can be accommodated to almost any scenario, no matter how absurd or unlikely. That a limited non-human form of bipedal locomotion existed in apes unrelated to, and earlier than, any hypothetical hominid, indicates that possession of bipedal traits are not indicative of hominid status.

### Kenyanthropus platyops

In March 2001 yet another ‘hominid’ appeared on the cover of *Nature*, with the headlines reading ‘The human family expands’. Inside was an article describing a new creature, from Lake Turkana, Kenya, called *Kenyanthropus platyops*. Being dated at 3.5 Ma has brought *platyops* into direct competition with *afarensis* as the trunk hominid that supposedly gave rise to the genus *Homo*. The main excitement was over a badly distorted cranium. Its cranial capacity was estimated to be of ape proportions, but largely because of its flat face, unusual for a supposed hominid at that stage of evolution, the specimen was assigned to a new genus *Kenyanthropus*. However, there are strong indications that the flat face was due to severe expanding matrix distortion, an artifact of the fossilization process, and so *platyops* is undoubtedly just another ape.

### Australopithecus bahrelghazali

In 1995 the mandible from this creature, found in Chad, was described as being most similar to the contemporary species *afarensis*. The specimen from Chad, dated estimated at between 3 and 3.5 Ma, was, in 1996, assigned to the new species *Australopithecus bahrelghazali*. It was judged different from *afarensis* on certain morphological features of the mandible, premolar roots and premolar enamel thickness. However, such a meager finding hardly warrants the creation of a new species. There is no reason to view *bahrelghazali* as anything but an ape, probably of the same kind as *afarensis*.

### Australopithecus africanus

The mean brain size of seven specimens of *Australopithecus africanus* is 451 cm³, with a range from 425 cm³ to 515 cm³. Evolutionists believe that *africanus* lived in South Africa from about 2.5 to 3 Ma, although it may have persisted until 2 Ma. Cranially, the main difference in comparison to *afarensis* is in the face, with the face of *africanus* less prognathic and broader. Also, in comparison to *afarensis*, the *africanus* lower jaw has a more robust body, the postcanine teeth are enlarged in size, and the anterior teeth are reduced.

*Australopithecus afarensis* is considered by many as being ancestral to *africanus*, but comparisons of the limb...
proportions of the two species indicate less ape-like forelimb to hindlimb joint sizes and limb lengths in the supposedly older and craniodentally more ‘primitive’ *afarensis*.90 According to the authors of these studies, ‘This implies that limb proportions changed back and forth in the hominid lineage or our present view of hominid relationships is too simplified.’91 Rather, the confusion of hominid relationships exists because there never was an evolutionary relationship between hominids to begin with. According to Klein and Edgar, *africanus* possessed a very ape-like upper body, with long, powerful arms suitable for tree climbing, but the lower body was ‘shaped for habitual bipedal locomotion on the ground’.92 However, as mentioned above, CT scans of the bony labyrinth of the inner ear showed that the semicircular canal dimensions in crania attributed to *africanus* were similar to those of extant great apes.77 Hence, if *africanus* did walk bipedally in some manner, it is unlikely to have been habitually.

An earlier analysis of the postcranial anatomy of *afarensis* and *africanus* led McHenry to the conclusion ‘that (1) the postcranial skeleton of early *Australopithecus* was uniquely different from all living apes and people, (2) the postcranial skeleton of early *A. africanus* is very similar to *A. afarensis* despite real differences in their skulls, teeth, distribution, and age, and (3) there is a distinct grade of locomotor adaptation in *Australopithecus* which is unlike any living form.’93

Hence, if the two species shared ‘a unique configuration which implies that locomotor and postural adaptations were very similar and unlike any living form’,94 then the locomotor behaviour of *africanus* was similar to *afarensis*. As indicated earlier, *afarensis* was a knuckle-walking ape built for an arboreal lifestyle, although it may have had a limited ability to walk bipedally in a non-human-like manner, as did apes unrelated to any supposed hominid evolution, such as *Oreopithecus bambolii*. As with all other australopithecine species, *africanus* possessed brains the size of apes, had ape-like skulls, and was similar in body shape and size to apes. Hence, the most plausible explanation is that *africanus* was a species of extinct ape, and even among evolutionists there have been suggestions that *africanus* and *afarensis* ‘should be considered subspecies of a single species’.95

**Australopithecus garhi**

In 1999 the remains of *Australopithecus garhi*, a supposed 2.5-million-year-old hominid from the Hata beds of Ethiopia’s Middle Awash, was said to be distinguished from *afarensis* ‘by its absolutely larger postcanine dentition and an upper third premolar morphology with reduced mesio-buccal enamel line projection and less occlusal asymmetry’.96 However, when viewing the very incomplete cranial remains of the creature, with a cranial capacity estimated at 450 cm³, it is difficult not to wonder whether differences in a few dental features have been overemphasized, as this specimen surely could have been assigned to the species *afarensis*. Perhaps the later evolutionary date was a factor. Regardless of its affinity to *afarensis*, the ape-like nature of its skull establishes *garhi* as nothing more than an ape.

More interesting were the postcranial fossils (BOU-VP-12/1) recovered at the locality, which the researchers did not assign to *garhi*, featuring a human-like humerofemoral index.97 However, the Bouri skeleton (BOU-VP-12/1) also had an estimated brachial index larger than all extant apes, except orangutans (*Pongo pygmaeus*).98 This combination of a long, ape-like forearm and human-like humerofemoral limb proportions makes for a confusing ancestor–descendant evolutionary relationship, as it ‘would suggest a reversal in brachial proportions in the Bouri skeleton (more ape-like) from the *A. afarensis* condition, followed by a second reversal in *H. ergaster* (more human-like)’.99

**The robust australopithecines**

The robust australopithecines are conventionally made up of the species *Australopithecus robustus* (1.5 to 1.8 Ma) from South Africa, and the two East African species *Australopithecus boisei* (1.3 to 2.3 Ma) and *Australopithecus aethiopicus* (2.3 to 2.7 Ma), with the combined evolutionary age range for the three species from 1.3 to 2.7 Ma.100 Some paleoanthropologists assign them to a separate genus, *Paranthropus*. None of the robust australopithecine species are regarded by evolutionists as ancestors of true humans, but rather as side branches that met a dead end,101 ‘because their teeth and skulls were so specialized and because they coexisted with more plausible ancestors after 2.5 million years ago’.102 It is because of their huge chewing teeth and rugged skulls that they have been called robust
australopithecines, although they had small brains and bodies. From the skulls of these creatures, it is obvious that there was nothing human-like about them.

**Australopithecus aethiopicus**

The famous ‘Black Skull’ (KNM-WT 17000), with a cranial capacity of about 410 cm³, is one of the three or four fossil specimens making up the species *aethiopicus*, which is considered by some evolutionists to be a plausible link between *afarensis* and the other two robust species, *boisei* and *robustus*. However, the Black Skull ‘is an extreme *A. robustus/boisei* type with a massive sagittal crest, and the two teeth found are four or five times as large as human molars’, and so even though *aethiopicus* is supposedly an older species then *robustus/boisei*, its hyper-robustness disqualifies it as a transitional form. The morphology of the Black Skull has many similarities to that of a small male gorilla, and so it is possible that gorillas and *aethiopicus* belong to the same biblical kind. There are currently no postcranial fossils assigned to *aethiopicus*, the other two (possibly three) specimens attributed to *aethiopicus* being mandibles.

**Australopithecus boisei**

The mean brain size of *Australopithecus boisei*, based on six specimens, is about 452 cm³, with a range from 390 cm³ to 500 cm³, although other estimates of *boisei* give a mean of 521 cm³. Cranially, *boisei* is described as ‘the only hominin that combines a massive, wide, flat, face with a modest-sized neurocranium’. There are no postcranial remains that can definitely be attributed to *boisei*, but from Koobi Fora a partial skeleton and individual postcraniac bones have been inconclusively linked with the species. According to Wood and Richmond, ‘The partial skeleton is characterised by limb proportions that resemble *A. afarensis* (Grausz et al. 1988), and are less apelike than those of *A. africanus*. Hence, if the partial skeleton (KNM-ER 1500) did belong to *boisei*, then it may have had similar locomotor behaviour to that of *afarensis*, and ‘like *A. afarensis*, the relatively long forelimb suggests that the locomotor behaviour of *P. boisei* included an arboreal component’.

**Australopithecus robustus**

The brain size of *Australopithecus robustus*, which currently can only be estimated for one specimen (SK 1585), was 530 cm³, but a more recent estimate has lowered that to 476 cm³. Cranially, *robustus* was similar to that of *boisei*, but its face was not as large and wide. Hence, if *robustus* had a ‘robust’ skull, then the skull of *boisei* was hyper-robust. In comparison to *africanus*, the chewing teeth and face of *robustus* were larger, although its canine and incisor teeth were smaller, and according to Klein and Edgar, both species ‘possessed very ape-like upper bodies with long, powerful arms that would have made them agile tree climbers. They differed from apes primarily in their lower bodies, which were shaped for habitual bipedal locomotion on the ground, and in their teeth’.

According to Wood and Richmond, the morphology of the pelvis and hip believed to be associated with *robustus* resembles that of *afarensis* and *africanus* (the ‘gracile’ australopithecines), and suggests that ‘the gait of *P. robustus* probably resembled that of the “gracile” australopiths’. As indicated earlier, the gait of *afarensis* was not human-like. Also, as mentioned previously, CT scans of the bony labyrinth of the inner ear showed that the semicircular canal dimensions in crania attributed to *robustus* were similar to that of extant great apes.

**Conclusion**

The morphological features of the hominid fossils assigned to taxa outside the genus *Homo* indicate they were mere extinct apes. A species is not equivalent to a biblical kind, and several of the non-*Homo* hominids may just represent variation within one or more ape kinds, just as the fossil species included in *Homo*, excluding the invalid taxon *Homo habilis*, are believed to represent variation within the one human kind. It may well be that extant apes are surviving remnants of these hominid ape kinds, which have lost much of their genetic diversity. In general, where fossil material is available, these hominid creatures had brains the size of apes, skulls that were ape-like, and bodies similar in shape and stature to apes. The morphology of creatures such as *Australopithecus afarensis* indicates...
that they were specialized for climbing in trees, as well as knuckle walking, as are apes. Much has been made of skeletal features, indicating some of the australopithecines, including *afrarensis*, may also have had limited ability for non-human bipedal locomotion. However, similar limited bipedal ability also existed in apes not considered hominids, such as *Oreopithecus bambolii*, dated to earlier than the supposed human and chimpanzee split. Hence, how can a trait be used as an argument for the uniqueness of all hominids, and their evolutionary relationship, when the trait is not unique to these supposed hominids? It is like saying whales must have evolved from creatures like hippopotamuses because they can both swim (or do they believe that, too?). I suppose this is why evolutionists like the word parallel so much, as in parallel evolution. Call it what you like, but is it science?

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Homo capensis: In the early 1910s, two farmers stumbled across hominid fossils, including bits of a skull, near Boskop, South Africa. The bones were passed around to many anatomists—including Raymond Dart, who later discovered the first Australopithecus fossil—before ending up in the hands of paleontologist Robert Broom. Today, fossils once classified as H. capensis are considered members of H. sapiens. Homo rhodesiensis: If you have heard of any of the species on this list, it’s probably this one. Paleontologist Arthur Smith Woodward created the name H. rhodesiensis for a skull discovered in 1921 at Broken Hill, or Kabwe, in Zambia (once part of Northern Rhodesia). The fossil’s thick skull, sloped forehead and giant brow ridges made the species distinct from living people.