

as the lay newspapers obligingly and uncritically report the 'find'.

The *Ambulocetus* fossil was found in 'lower to middle Eocene' beds. Fossils of whales of the suborder Archeoceti have been found in lower Eocene strata,⁴ so *Ambulocetus* is unlikely to be an ancestor of modern whales, as claimed by Thewissen *et al.*

There are too many crucial parts missing to be sure what *Ambulocetus* is. Whatever it is, it is unlikely to be a walking ancestor of the whales.

REFERENCES

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3. Berta, A., 1994. What is a whale? *Science*, 263:180-182.
4. *Encyclopedia Britannica*, 15th Edition, 1992, Vol. 23, p. 434.

D.B.

Kentucky Fried Dinosaur?

Research by Barreto *et al.*¹ on juvenile duck-billed dinosaur bones from Montana shows a lot of similarities to chickens. The arrangement of cells around the growth plates is very much bird-like rather than like reptiles or mammals and suggests that bone growth was rapid, as in birds. It also suggests that the dinosaurs must have been endothermic (warm-blooded) rather than exothermic (like reptiles) because fast bone growth requires a high metabolic rate, as in endothermic creatures. The ultrastructure of bone cells is also very similar to birds. Perhaps dinosaurs were designed just like birds (without feathers).

If bone growth occurred quickly, it suggests that the juvenile phase in dinosaurs was relatively short and that they did not continue growing throughout their lives, as reptiles do. This would mean that juvenile dinosaurs taken on the Ark would mature quickly enough to live independently

after the Rood. Presumably the largest dinosaurs would take a couple of years to reach full size.

It is fascinating that these bones, which are claimed to be 72 to 84 million years old, have not been mineralised. The calcium:phosphorus ratios in the bones were comparable with modern bird bones. It is worth reading the original paper to see the fine histological detail preserved, just to reinforce the sense of wonder at how the bones could possibly be millions of years old. The degree of preservation accords better with the creationist model which presupposes such bones would be thousands of years old, not millions.

REFERENCES

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D.B.

The Religious Nature of Evolution

Renowned Canadian science philosopher Dr Michael Ruse made astonishing admissions about the religious nature of evolution at a symposium titled 'The New Antievolutionism' (during the 1993 annual meeting of the American Association for the Advancement of Science.)¹ These statements shocked his colleagues because he has written a book, **But is it Science?**, denouncing creationism because it is religious and was the last person expected to give the game away.

He appeared to admit that evolution is based upon a dogmatic exclusion of a miraculous creation/creator — in effect, a faith commitment to naturalism, the unprovable, religious, belief that no supernatural element exists or is relevant.

Ruse said this (emphasis added): *'at some very basic level, evolution as a scientific theory makes a*

commitment to a kind of naturalism, namely that at some level one is going to exclude miracles and these sorts of things, come what may.'

He went on to defend this non-provable assumption by the fact that, in his view, it works. Nevertheless, said Ruse, *'evolution, akin to religion, involves making certain a priori or metaphysical assumptions, which at some level cannot be proven empirically.'*

Further on, he said that one can't just say that evolution is science, creation is religion, period. One has to have some other

'coherence theory of truth, or something like that. I still think that one can certainly exclude creation science on those grounds.'*

Law professor Phillip Johnson has

severely criticized Ruse's anti-creation testimony at the 1982 Arkansas trial at which the sorts of admissions above failed to surface. Johnson quoted Ruse as stating that it is OK to say different things on this subject to different audiences:

I mean I realize that when one is dealing with people, say, at the school level, or these sorts of things, certain sorts of arguments are appropriate. But those of us who are academics... should recognize. .. that the science side has certain metaphysical assumptions built into doing science, which — it may not be a good thing to admit in a court of law — but I think that in honesty that we should recognize, and that we should be thinking about some of these sorts of things.'

Many people do not realise that the

teaching of evolution propagates an anti-biblical religion.

REFERENCE

1. A complete transcript of the talk is available from the National Center for Science Education, P.O. Box 9477, Berkeley, CA 94709-0477, USA (Cost: \$US1.00 plus postage).

C.W.



TEMPLES OF EVOLUTIONARY HUMANISM?
 Many people do not realize that because of the assumptions behind evolutionary science, the public schools (even where the science teacher is a theistic evolutionist) are effectively propagating an anti-biblical religion.

Deluge on Mars

The surface of Mars appears to show definite signs of massive catastrophic flooding, followed by an Ice Age.

Baker and his co-workers¹ estimate that an area covering around a third of the surface of Mars was previously covered with water. The maximum central depth of this 'Oceanus Borealis' (see diagram below) was 1700 metres. If the volume of water in such an ocean was distributed evenly over the entire Martian surface, it would be 450 metres deep.

It is estimated that this ocean was filled in the short time of between 11 weeks and two years by the catastrophic melting of huge underground ice masses by active volcanism, forcing the water to the surface. The rising temperature is said to have liberated CO₂, causing a greenhouse effect which in turn raised temperatures and thus increased the precipitation of rain and snow from this ocean. This caused huge glacial ice sheets to form (the southern icecap in the diagram) which have left their mark on the landscape.

However, today the only 'ice' visible is frozen CO₂ at both poles.

The surface of Mars is dry, rough and cold (average temperature of minus 50°C) with no water of any sort at the surface or in the atmosphere. The huge volumes of water which appear to have helped shape the surface are believed to have returned to the ground.

The irony is that evolutionary scientists have no difficulty accepting, on a planet with no visible water, a past catastrophic deluge in which enough water came from underground to cover the whole planet half a kilometre deep, and caused a subsequent Ice Age (just as creationists maintain happened after the Genesis Flood). Yet on an earth, still mostly covered by huge amounts of water, we are told repeatedly that no global deluge could ever have occurred.

REFERENCES

1. Baker, V. R., Strom, R. G., Gulick, V. C., Kargel, J. S., Komatsu, G. and Kale, V. S., 1991. Ancient oceans, ice sheets and the hydrological cycle of Mars. *Nature*, **352**:589-594. See also *Science*, **253** (27 September, 1991):1508-1513. This item was translated and condensed from an article in *Factum*, February 1993, by H. Stutz.

C.W.

