

A BIBLE-ONLY PROOF THAT CREATIONISM IS WRONG

I've kept hearing people bragging about everything being created 6,000 years ago, that evolution is 'just a theory' (the point where I tend to ask what a conjecture is – obviously, everyone stares blankly at me for asking such a silly question) and so on. I generally don't go into all the scientific creationism debate – it has as much science in it as piety in a whorehouse – but for the love of mathematics, I'm in it this time.

So, what I am going to do is simply prove that creationism, as depicted in the Bible, is wrong, by using only those arguments which I can find in the Bible. The only argument I will not take from the Bible is the number of species, but I am sure that is hardly a problem to debate, since biological taxonomy is really not a problem today, you can't claim that something you can see hopping around in your backyard doesn't exist. Aside from that, I will use no other argument: no biology, no biochemistry, nothing but the Holy Bible and a simple bit of Math that everyone can follow.

Also, please do note that I am not trying to prove that evolution is correct. If you are going to comment, at least say something intelligent, not that the man cannot have been a monkey because that would mean we have no purpose.

BASIC FACTS

Creationism implies the following:

- *All species* were created at the same time. In other words, everything, from the amoeba to T-Rex and from the dog to the man were created at the same time, and coexisted at the same time.
- Noah took all the animals around in his ark, and released them after the flood. All the animals that God created had to be on the ark – otherwise, they wouldn't be here today.

Aside from that, creationism also tries to sell some other pieces of bullshit, including the fact that the first humans were, for some reason, not born out of incest, and that the first dinosaurs, including those that had teeth the size of my head, were herbivorous, but these are not relevant to our case.

It should also be noted that creationists *deny evolutionism*. In other words, animals did *not* evolve in any way, not when they were created, not after they were created, *never*. They may have changed a little, *but no new species appeared after Creation*.

THE PROOF

My proof is based on the fact that Noah took all the animals on Earth in his ark. We know this happened because God killed everything with the flood:

And the LORD said, I will destroy man whom I have created from the face of the earth; *both man, and beast, and the creeping thing, and the fowls of the air*; for it repenteth me that I have made them.
(Genesis:6, 7)

And God said unto Noah, *The end of all flesh is come before me*; for the earth is filled with violence through them; and, behold, I will destroy them with the earth. (Genesis:6, 13)

Therefore, after the flood, *none of the animals that God created in the beginning survived, except for those that were taken on Noah's ark.* [1]

So, God decides to kill every living beast on Earth with a big flood, and orders Noah to build an ark (i.e. a boat). How big was this boat? Well that's easy:

And this is the fashion which thou shalt make it of: The length of the ark shall be three hundred cubits, the breadth of it fifty cubits, and the height of it thirty cubits. (Genesis:6, 15)

In other words, the volume of the ark was:

$$V_{ark} = 300 \cdot 50 \cdot 30 = 450000 \text{ cubic cubits}$$

A cubit is the length between a man's elbow and his fingertip, with his arm stretched. Assuming Noah was quite tall, we'll take that to be 50 centimeters (which is pretty big – I'm 1.83 meters tall and my cubit is only about 40 centimeters, but let's be optimistic). Before pointing out that there were giants on Earth back then, it should be noted that Noah was certainly *not* a giant (pretty obvious statement: since he was the only man who escaped, we'd all be giants otherwise – and, after all, the Bible states Noah was a man, in Genesis:6, 9). In any case, even if that distance was 5 meters (or 50, for that matter), it would still not be enough, as we'll see.

In this case, in cubic meters (let's make it more familiar), Noah's ark had to have a volume of:

$$V_{ark} = 300 \cdot 0.5 \cdot 50 \cdot 0.5 \cdot 30 \cdot 0.5 = 56250 \text{ m}^3$$

The reason why I multiplied by 0.5 is, I hope, obvious. 1 cubit is 0.5 meters.

From here on, I will make the following (again, very optimistic assumptions):

- The animals did not have to eat, breathe or move, so they could simply be stuffed in there
- Noah's ark could still float despite being completely full of animals
- The animals did not eat each other, they did not need to, uhm, go to the toilet, and for some reason the animals at the bottom were not crushed by those at the top.
- Noah did not bring along fish, amphibious animals, unicellular animals that can live in water and so on – in other words, if something could live in the water, it was not taken along.
- Noah did not bring along any plants. How they survived underwater is not our concern.

In other words, Noah's ark looked like a box of sardines. I'm simply being optimistic.

Ok, so how many animals could live on Noah's ark?

The general, accepted size for the mean size of an animal is that of an average sheep.¹ By "general, accepted size" I mean the size accepted by creationists. In

¹This is fairly controversial – remember that, what the heck, Noah had to bring dinosaurs on his ark (they weren't extinct after all). This is actually based on John Woodmorappe's book "Noah's Ark: A Feasibility study", who used a completely wrong method. He picked this average

fact, since we are referring only to land-dwelling animals (including, for heaven's sake, the Brachiosaurus – two pairs of those and you fill in the whole damn ark...), the mean size is actually a lot larger, but what the heck, let's just use that from here on just to be optimistic.

A sheep is, on average, about 1.5 meters long, about 1 meter tall and about 0.75 meters wide, which gives it a volume of:

$$V_{sheep} = 1.5 \cdot 1 \cdot 0.75 = 1.125 \text{ m}^3$$

Therefore, on Noah's ark, there could be only as much as:

$$N = \frac{V_{ark}}{V_{sheep}} = \frac{56250}{1.125} = 50,000 \text{ animals}$$

Now remember – Noah had to take one male and one female for each unclean species. Since the majority of animals are unclean, we'll simply ignore that he had to take 7 representatives for clean species. Again, we're being optimistic and giving a huge margin of error here. So, Noah took about 2 animals of each species:

$$N_{animal} = \frac{N}{4} = \frac{50000}{2} = 25000 \text{ species}$$

In 1881 – when large areas of the Earth were not yet discovered, the number of known mammals and birds is of roughly 15,000 species. Remember: we are not including insects (about 30,000,000 species), arachnides (about 75,500 species), *and most important, we are not including dinosaurs and extinct species in our numbers.* We know of about 700 species of dinosaurs; including 2800 dinosaurs would have sunk Noah's ark completely, but that's another story.

SO HOW ABOUT THOSE ASSUMPTIONS?

Ok, so to recap: we used an oversized human to find out how big a cubit is, and assumed that you can just fill Noah's ark all the way to the top and still have it floating, with animals stuffed like sardines. We found out that our boat is large enough to hold all these.

Oh wait, we also assumed the following:

- (1) Animals don't eat. But hey: „And take thou unto thee of all food that is eaten, and thou shalt gather it to thee; and it shall be for food for thee, and for them.” (Genesis:6, 21). So God didn't provide food on the go – it had to be stored.
- (2) Animals can be stacked one upon another. Umh. Without being crashed. Remember: Noah had dinosaurs on board.
- (3) Animals need no breathing space. guess again.
- (4) The ship can still be filled all the way to the top. Yup, yup.

Ok, now time for the truth. A modern transport ship uses less than 20% of its volume to carry the actual stock – and we're even assuming that the stock needs nothing to eat. Considering that food had to be carried along (and remember – most animals eat a *lot*), that space had to be provided for breathing and that

size using the median: the middlemost number in a set. If you consider a 1 liter bottle, a 2 liters bottle and a 50,000 gallon tank, the median is actually 2 liters. Using this as an indicator would mean that you can stuff all the three recipients in a 3-liter recipient, which is obviously wrong. However, we will stick to this number.

animals had to be separated, not stashed one upon another, it's fair to assume that animals took up only about 40% of the ark. Make it another 40% for the supplies (they had to last 40 days after all), add some 15% of breathing space and about 10% for the internal structure (the boat needs a skeleton, floors need to hold – and that's hard when you're carrying dinosaurs), and there you go.

Now, 40% out of 25,000 is 10,000. So Noah's ark could only carry about 10,000 animals with the mean size of a sheep to safety.

ARGUMENTS

This is not the first proof I've seen. I've also seen it refuted by creationists, who repeat the same calculations, with the same assumptions, and then magically forget to take the assumptions out when drawing their conclusion:

- That animals need to eat
- The animals need some space to move and breathe. It's one thing when you are moving sheep by train for two days. It's another thing when you move them for 40 days. After 40 days of having to continuously stand up, any animal will be completely unable to move. Hell, try to stand up for 12 hours in a row, then multiply that by 80. How does it feel?
- The animals did not eat each other
- The animals did not, um, poo. When you carry dinosaurs, that's a big problem
- The sheep is taken as a median, and it's completely useless in this kind of calculation.
- Animals eat each other, so that means some space compromise. Also, you have to stack animals according to sizes. A brachiosaurus will not eat your average cat, but it will certainly not notice it.

Oh, I'm so sorry. Did I talk about dinosaurs? I'm sorry fellows – you're the same people who claim that fossils came because of the flood. so there were dinosaurs on Noah's ark.

Another point I've seen brought is that that "kind" does not refer to species, but to families. In other words, Noah could carry all the animal families on his ark – that's not to be disputed. However, the wolf and the fox are totally different species, despite belonging to the same family. I'm calculating how many *species* he could have brought along, because that's what is relevant.

MEANINGFUL QUESTIONS

- (1) If Noah's ark didn't have room for all the animals, *where did the "other" animals come from?*
- (2) If there were no dinosaurs on Noah's ark (not that it changes anything), why weren't there any? After all, God asked Noah to bring every kind on his ark. Even if you interpret "kind" as "family" rather than "species", dinosaurs still have their own superorder, with several tens of families. And, if there were dinosaurs on Noah's ark, where the hell did they go and who the hell killed them? Hell, eight velociraptors were enough to kill every goddamn thing on that ark.
- (3) How did the plants survive 40 days of flood? Remember, Noah stopped on the Araarat mountain. That's 5,137 meters tall, so the pressure at sea level

would have been 5,137 atmospheres. Everything below 4,000 meters would have simply been crushed

Don't bother. It's a hoax and you know it.