

## DATING SEDIMENTARY ROCKS

Rick Hartzog

**M**cdonald begins his second McDonald-Greene affirmative! **Message List**

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Jerry McDonald writes, in part:

As I have already stated, you can't date sedimentary rock with either  $^{14}\text{C}$  dating or radioisotope.

The age of the Earth is not determined by dating fossils.

However, direct radiometric dating of sedimentary rock is possible:

[http://gsa.confex.com/gsa/2003AM/finalprogram/abstract\\_59737.htm](http://gsa.confex.com/gsa/2003AM/finalprogram/abstract_59737.htm)

<http://www.sciencemag.org/cgi/content/abstract/285/5424/78>

Direct dating grains of the igneous minerals such as zircon found within sedimentary layers will also yield an age – not the age of the layer, but the OLDER age of the igneous grains which weathered away from parent rock and were deposited as sediment.

Fossils can also be directly dated -- far beyond McDonald's 10,000 year limit.

Looks like Jerry didn't know, going into this debate, enough about geology to affirm anything about what it does or doesn't show.

The  $\text{ar}/\text{ar}$  method that they used to date the volcanic rock, if that was the only method that they used, was way off.

And we are supposed to accept this claim based on your demonstrated understanding of radiometric dating methods?

There are no fossils in volcanic rock.

There is sometimes volcanic ash and tuff in sedimentary layers that contain fossils. By dating ash deposits above and below the fossil the fossil's age is "bracketed".

Lava flow will destroy anything with DNA.

You have some serious misconceptions about what DNA has to do with C14 dating.

The only way they can date the fossils themselves is by Carbon dating...

Wrong.

...and according to Plummer and Carlson that is good only for 40,000 years...

Which is plenty long enough to falsify your debate proposition, isn't it?

...and if they only used Ar-Ar to date the igneous rocks, then their dates, again are way off.

And again, we are supposed to accept this claim based on your demonstrated understanding of radiometric dating methods?

I will add this in my next installment...

I wouldn't, if I were you.

Rick Hartzog

Worldwide Church of Latitudinarianism

[http://groups.yahoo.com/group/Maury\\_and\\_Baty/message/18227](http://groups.yahoo.com/group/Maury_and_Baty/message/18227)

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