

## Re: Tap the supervolcanoes to prevent a worldwide catastrophe

**Source:** <http://sci.tech-archive.net/Archive/sci.physics/2005-01/5185.html>

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Date: Thu, 13 Jan 2005 15:45:43 GMT

G. R. L. Cowan wrote:

> *Ed Earl Ross wrote:*

>

>> *habshi wrote:*

>>

>>> *Geothermal is probably renewable as it is based on radiocative*

>>> *decay in the earth*

>>

>> *The source of geothermal heat is hotly debated.*

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>

> *By you, maybe.*

See:

[http://www.geology.sdsu.edu/how\\_volcanoes\\_work/Heat.html](http://www.geology.sdsu.edu/how_volcanoes_work/Heat.html)

<http://www.expanding-earth.org/>

The debate is about how much heat various sources provide. Some say any fission reaction within the core would have long past used all its fissionable material.

>> *Friction from tidal forces is another possibility.*

>

>

> *Very significant for the largest, nearest-in Jovian moons.*

> *Not so for Earth; anyway the plausible existence*

> *of a kilowatt or two very of such heat production deep in the Earth*

> *does not imply that many terawatts of alpha decay and beta decay*

> *aren't also occurring --*

>

> *What's that!? Do you smell argon?*

>

>

> -- *Graham Cowan*

> [http://www.eagle.ca/~gcowan/Paper\\_for\\_11th\\_CHC.html](http://www.eagle.ca/~gcowan/Paper_for_11th_CHC.html) --

> *How individual mobility gains nuclear cachet*