

Re: Early Earth Likely Had Continents And Was Habitable, Says New Study (Forwarded)

Source: <http://sci.tech-archive.net/Archive/sci.space.policy/2005-11/msg00383.html>

- *From:* [echomko at @xxxxxxxxxxxxxxxx](mailto:echomko@xxxxxxxxxxxxxxxx) (Eric Chomko)
 - *Date:* Mon, 21 Nov 2005 16:10:28 +0000 (UTC)
-

Nog (q3wtxv48o@xxxxxxxxxxxx) wrote:

: "Andrew Yee" <ayee@xxxxxxxxxxxxxxxxxxxxxxxx> wrote in message
: news:Pine.LNX.4.44.0511172146560.1512-100000@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
: > Office of News Services
: > University of Colorado-Boulder
: > Boulder, Colorado
: >
: > Contact:
: > Stephen Mojzsis, (303) 492-5014
: > Jim Scott, (303) 492-3114
: >
: > Nov. 17, 2005
: >
: > Note to Editors:
: > Contents embargoed until 2 p.m. EST on Thursday, Nov. 17.
: >
: > Early Earth Likely Had Continents And Was Habitable, Says New Study
: >
: > A surprising new study by an international team of researchers has
: > concluded Earth's continents most likely were in place soon after the
: > planet was formed, overturning a long-held theory that the early planet
: > was either moon-like or dominated by oceans.
: >
: > The team came to the conclusion following an analysis of a rare metal
: > element known as hafnium in ancient minerals from the Jack Hills in
: > Western Australia, thought to be among the oldest rocks on Earth. Hafnium
: > is found in association with zircon crystals in the Jack Hills rocks,
: > which date to almost 4.4 billion years ago.
: >
: > "These results support the view that the continental crust had formed by
: > 4.4-4.5 billion years ago and was rapidly recycled into the mantle," the
: > researchers wrote in Science Express. Led by Professor Mark Harrison of
: > the Australian National University, the team also included University of
: > Colorado Assistant Professor Stephen Mojzsis and researchers from the

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:> University of California, Los Angeles and Ecole Normale Superieure
:> University in France.
:>
:> The researchers used hafnium as a "tracer" element, using isotopes to
:> infer the existence of early continental formation on Earth dating to
:> Hadeon Eon, which took place during the first 500 million years of Earth's
:> history, said Mojzsis, an assistant professor of geological sciences at
:> CU–Boulder. Mojzsis also is a member of CU–Boulder's Center for
:> Astrobiology.
:>
:> "The evidence indicates that there was substantial continental crust on
:> Earth within its first 100 million years of existence," said Mojzsis. "It
:> looks like the Earth started off with a bang."
:>
:> A 2001 study led by Mojzsis published in the journal Nature showed
:> evidence for the presence of water on Earth's surface roughly 4.3 billion
:> years ago. "The view we are taking now is that Earth's crust, oceans and
:> atmosphere were in place very early on, and that a habitable planet was
:> established rapidly," said Mojzsis.
:>
:> The work was supported in part by a grant from NASA's Exobiology Program.
:>

: Earth mach 1 could have had life, intelligent life and technology but it was
: all wiped with the moon creating collision and resulting earth mach 2.
: Just like wiping the harddrive and starting over.

And the fossil record indicates this? NO!

Are you going to claim that every single remnant of this previous
civilization has been wiped out?

Eric

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• ***Follow-Ups:***

◆ ***Re: Early Earth Likely Had Continents And Was Habitable, Says New Study (Forwarded)***

◇ *From:* Pat Flannery

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