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The Deep Hot Biosphere The

The Deep Hot Biosphere proposes that life on Earth may have been made possible by the slow upward seep of

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those buried hydrocarbons, rather than the other way around as accepted theories hold. Thomas Gold made a career of turning accepted views upside down, and he was right more often than not. He could well be right on this one too.

The Deep Hot Biosphere: The Myth

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"The leading supporter of the abiotic theory in the U.S. is Prof. Thomas Gold of Cornell. His 1999 book, The Deep Hot Biosphere (Springer-Verlag) is a thorough discussion of the issues. It is based in part on research financed by the U.S. Geological Survey.

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The Deep Hot Biosphere: The Myth Of Fossil Fuels: Thomas ...

There are strong indications that microbial life is widespread at depth in the crust of the Earth, just as such life has been identified in numerous ocean vents. This life is not dependent on solar energy and photosynthesis for its primary energy supply, ...

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The deep, hot biosphere.

There are strong indications that microbial life is widespread at depth in the crust of the Earth, just as such life has been identified in numerous ocean vents. This life is not dependent on solar energy and photosynthesis for its primary energy supply, and it is

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essentially independent of the surface circumstances. Its energy supply comes from chemical sources, due to fluids that migrate ...

The deep, hot biosphere | PNAS

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forth a set of truly controversial and
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The Deep Hot Biosphere : The Myth of Fossil Fuels by ...

Gold's deep, hot biosphere contribution
challenged paradigms in subsurface
science, petroleum research, the origin
and evolution of life, and the search for

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life on other planets. Some argue that aspects of his ideas are highly flawed (e.g., the source of hydrocarbons in subsurface environments), whereas others argue that his ideas and the concept of a deep, hot biosphere make perfect sense.

The deep, hot biosphere: Twenty-

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five years of ...

Thomas Gold used the term the deep hot biosphere to describe the microbes which live underground. This hypothesis is different from biogenic oil in that the role of deep-dwelling microbes is a biological source for oil which is not of a sedimentary origin and is not sourced from surface carbon.

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Abiogenic petroleum origin - Wikipedia

The Deep Hot Biosphere. In a 1992 paper "The Deep Hot Biosphere" in the Proceedings of the National Academy of Sciences, Gold first suggested that microbial life is widespread in the porosity of the crust of the Earth, down

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to depths of several kilometers, where rising temperatures finally set a limit. The subsurface life obtains its energy not from photosynthesis but from chemical sources in fluids migrating upwards through the crust.

Thomas Gold - Wikipedia

The Deep Hot Biosphere. This book sets

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forth a set of truly controversial and astonishing theories: First, it proposes that below the surface of the earth is a biosphere of greater mass and volume than the biosphere the total sum of living things on our planet's continents and in its oceans.

[PDF] The Deep Hot Biosphere

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The Deep Hot Biosphere theory was proposed by the scientist astrophysicist, astronomer and cosmologist Thomas Gold (1920-2004). It concerns of a microbial biosphere that exists at depth, profuse both within the Earth and probably other planets, feed by primordial and abiotic hydrocarbons,

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mainly methane and chemical energy.

Unconventional Geology: The Deep Hot Biosphere

The deep, hot biosphere There are strong indications that microbial life is widespread at depth in the crust of the Earth, just as such life has been identified in numerous ocean vents. This

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life is not dependent on solar energy and photosynthesis for its primary energy supply, and it is essentially independent of the surf ...

The deep, hot biosphere - PubMed

In the The Deep Hot Biosphere, Thomas Gold sets forth truly controversial and astonishing theories about where oil and

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gas come from, and how they acquire their organic "signatures." The...

The Deep Hot Biosphere: The Myth of Fossil Fuels - Thomas ...

Introduction. This book sets forth a set of truly controversial and astonishing theories: First, it proposes that below the surface of the earth is a biosphere of

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greater mass and volume than the biosphere the total sum of living things on our planet's continents and in its oceans. Second, it proposes that the inhabitants of this subterranean biosphere are not plants or animals as we know them, but heat-loving bacteria that survive on a diet consisting solely of hydrocarbons that is, natural ...

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The Deep Hot Biosphere | SpringerLink

The deep, hot biosphere. Gold T(1).

Author information: (1)Cornell University, Ithaca, NY 14853. There are strong indications that microbial life is widespread at depth in the crust of the Earth, just as such life has been

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The deep, hot biosphere.

The theory proposes answers to often-asked questions: Is the deep hot

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biosphere where life originated, and do Mars and other seemingly barren planets contain deep biospheres? Even more provocatively, is it possible that there is an enormous store of hydrocarbons upwelling from deep within the earth that can provide us with abundant supplies of gas and petroleum?

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Deep-sea hydrothermal vent chimneys

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that form by interactions between hot fluids and cold seawater are regarded as biogeochemical hot spots, with reactive gases, dissolved elements and thermal and ...

Comparative metagenomics of microbial communities ...

John Allen's memoir, Me and the

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Biospheres, chronicles the singular life of poet, playwright, activist, world-traveler - and inventor of Biosphere 2. Science
2014-09-25 by Steve Trudgill

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