

It's a Young World after All

The RATE Project

Steven A. Austin

John R. Baumgardner

Steven W. Boyd

Eugene F. Chaffin

Donald B. DeYoung

D. Russell Humphreys

Andrew A. Snelling

Larry Vardiman



The Age Issue

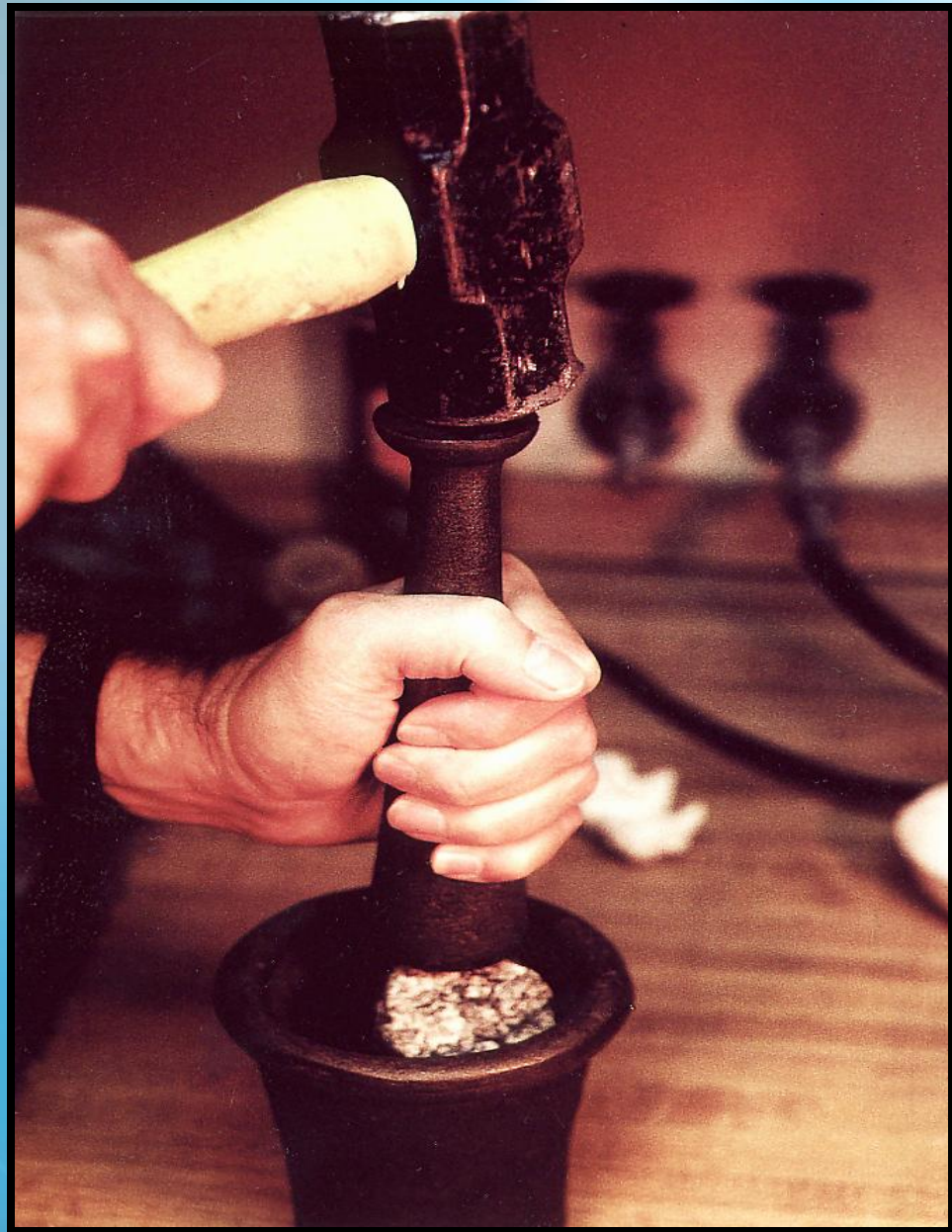
- **Evolution requires long periods of time**
- **Some Christians have accepted evolution**
- **Effect is to degrade reliability of Scripture**
- **Is the earth really old?**

Assumptions Of Radioisotope Dating

- **No initial concentration of daughter element**
- **Constant decay rate**
- **Closed system**

RATE Hypotheses

- **Accelerated decay has occurred during Creation, at the Curse, and during the Flood.**
- **Some daughter elements may be primordial.**
- **Radioactive processes have produced evidence of accelerated decay.**



Sieves





Floating in heavy liquids

Helium Diffusion Rates

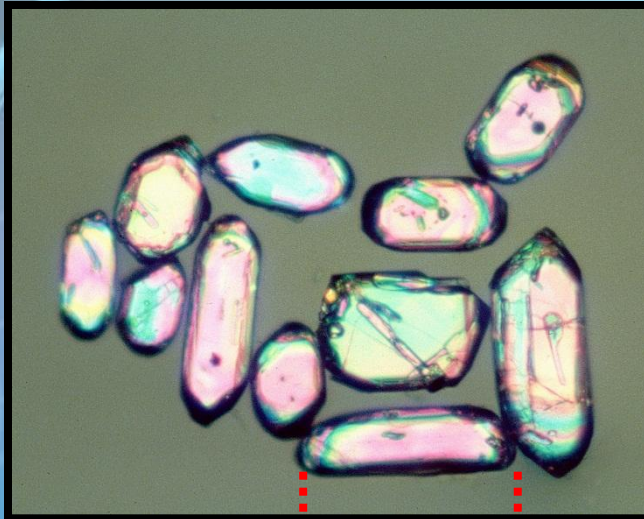
by D. Russell Humphreys, Ph.D.

Helium Experiments Give Nuclear Evidence for a Young World

“1.5 billion years” of nuclear decay occurred between 4,000 and 8,000 years ago.



"Zircon" Crystals in the Earth's Crust Are Radioactive



0.02
inch

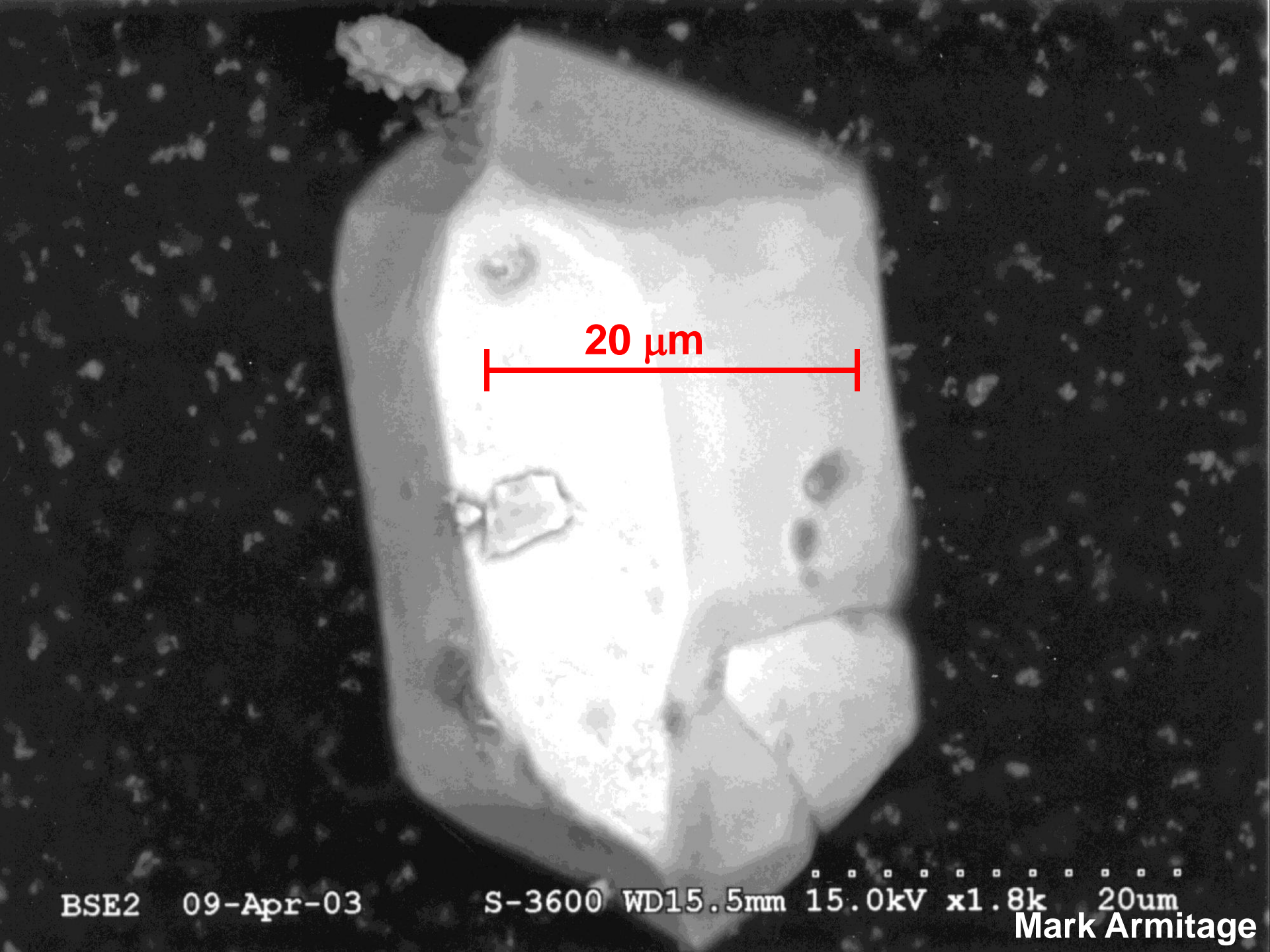
**Contain Uranium
and Thorium atoms**





100 μm

Zircons



20 μm

BSE2 09-Apr-03

S-3600 WD15.5mm 15.0kV x1.8k 20um

Mark Armitage

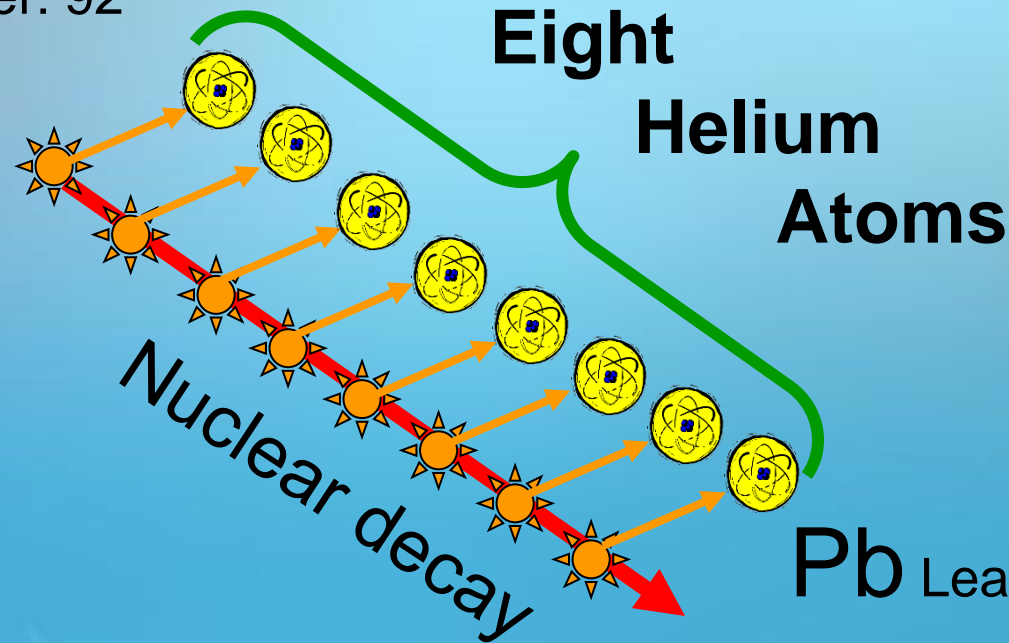
The Radioactivity Makes Helium

U Uranium

Atomic Number: 92

Atomic Mass:

238.03

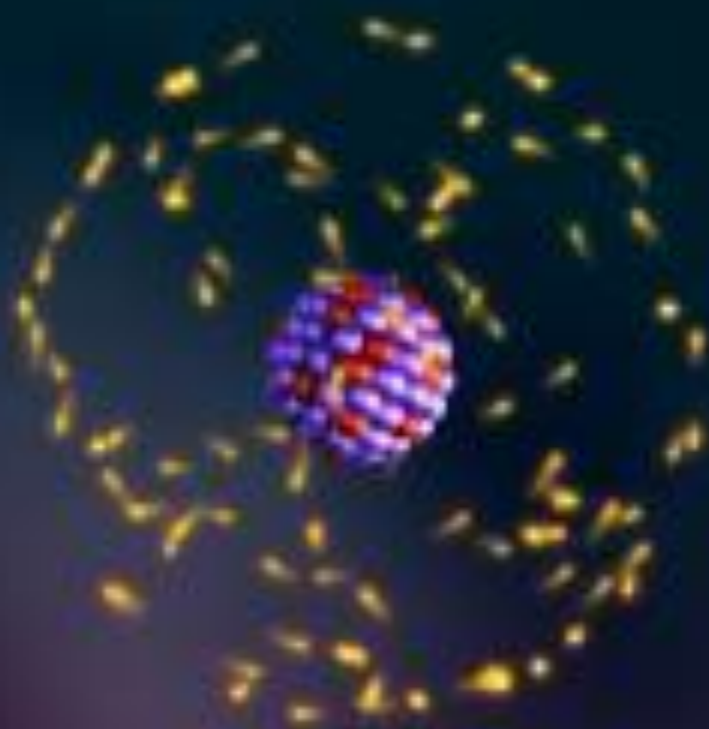


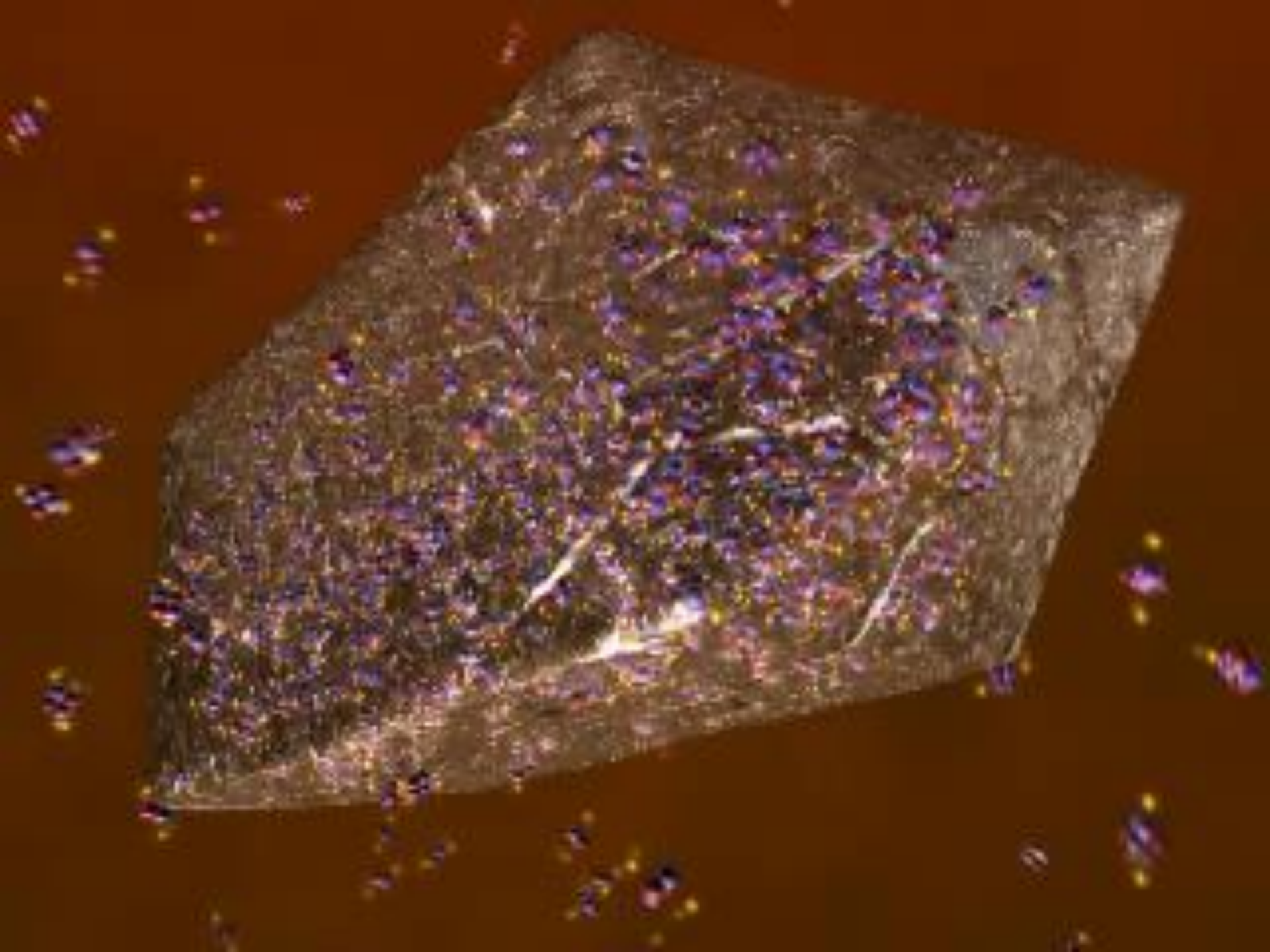
Pb Lead

Atomic Number: 82

Atomic Mass:

207.20



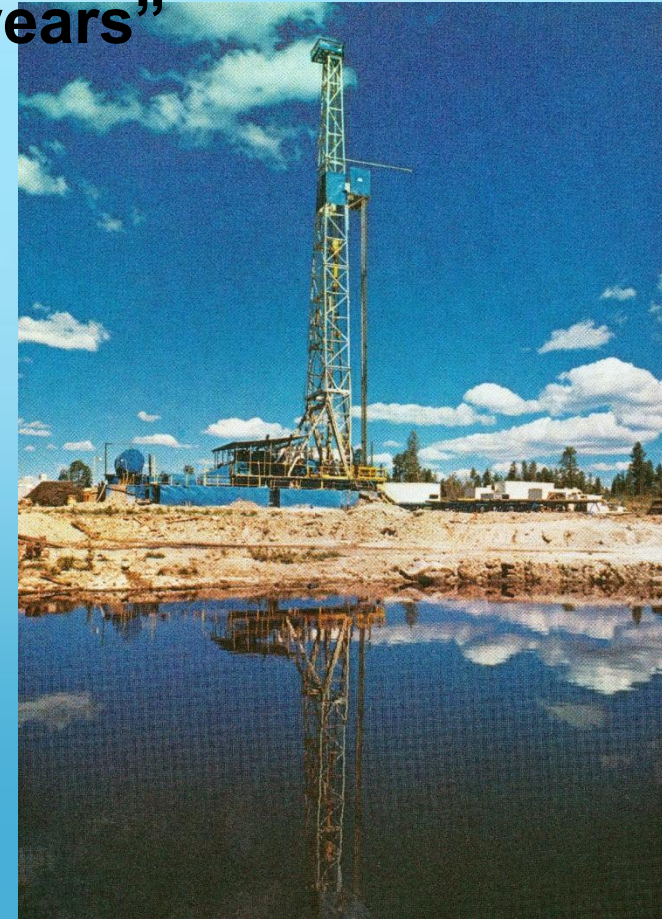


The Helium Is Still in the Zircons

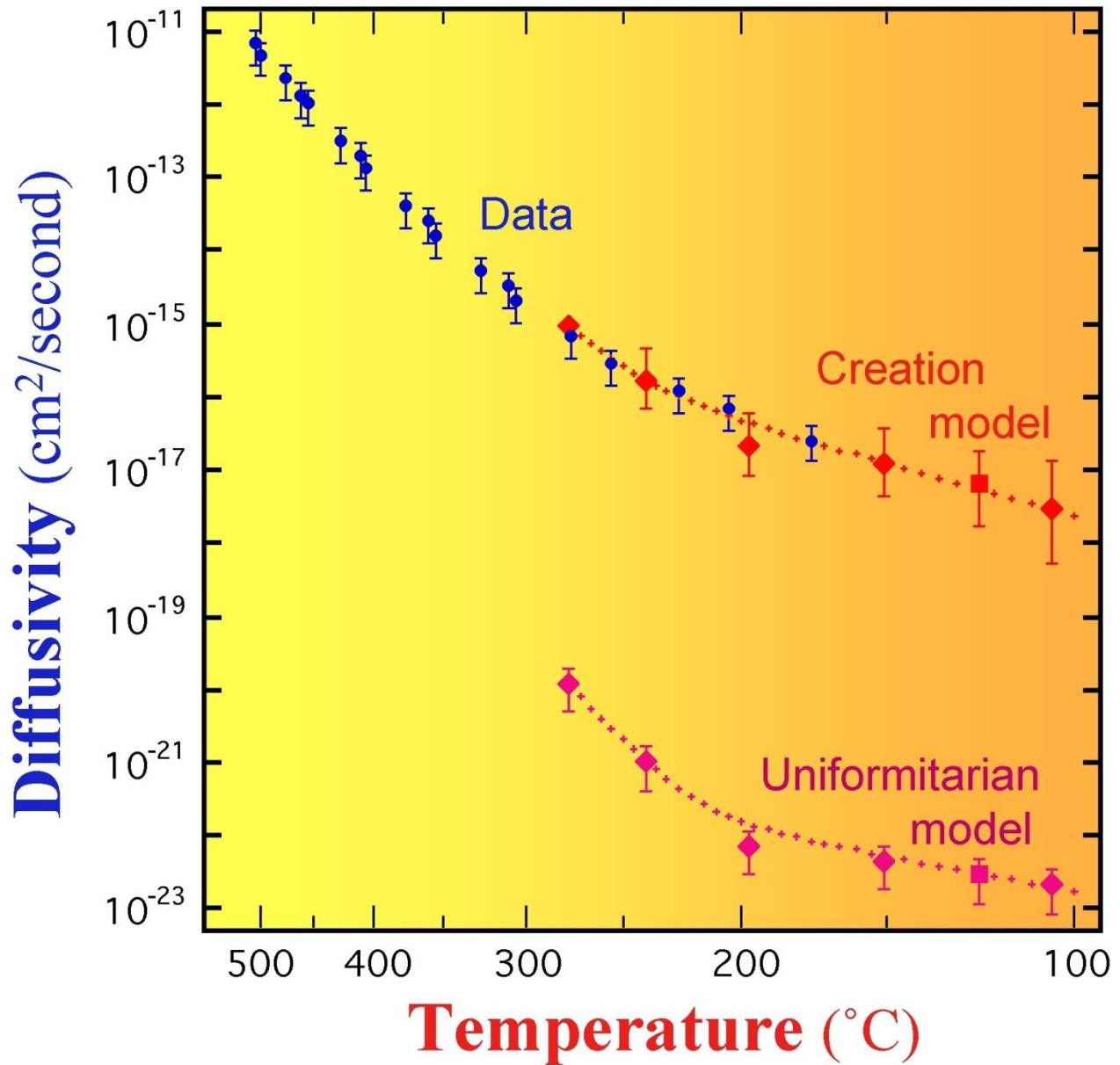
Radioisotope age: “1.5 Billion years”

Helium retained in Zircons
% of “1.5 Billion” years worth:

Sample	Depth (meters)	Temp. (°C)	Helium (%)
1	960	105	58
2	2170	151	27
3	2900	197	17
4	3502	239	1.2
5	3930	277	0.1



Fenton Hill, New Mexico
Los Alamos geothermal site



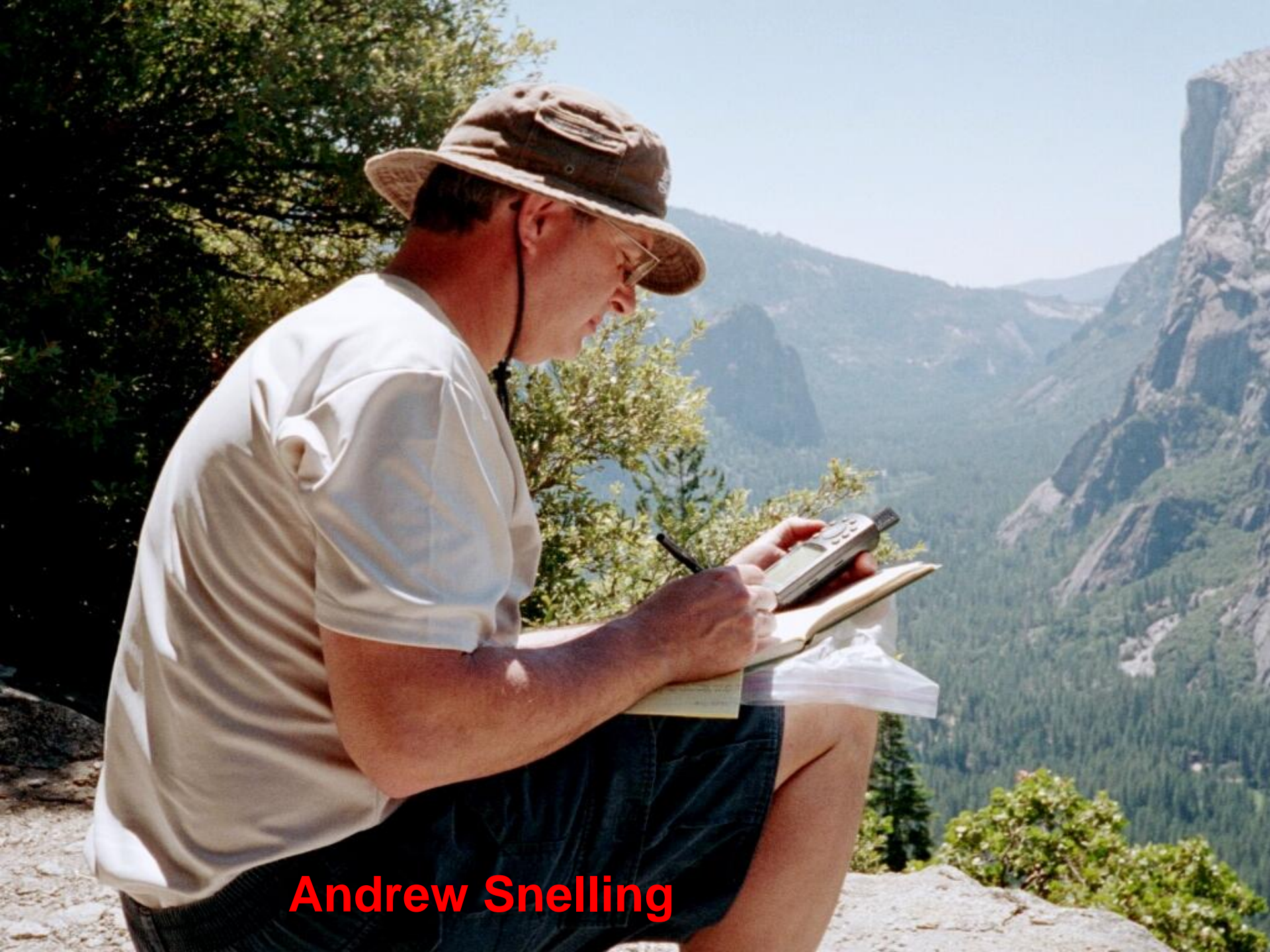


Radio-halo Studies

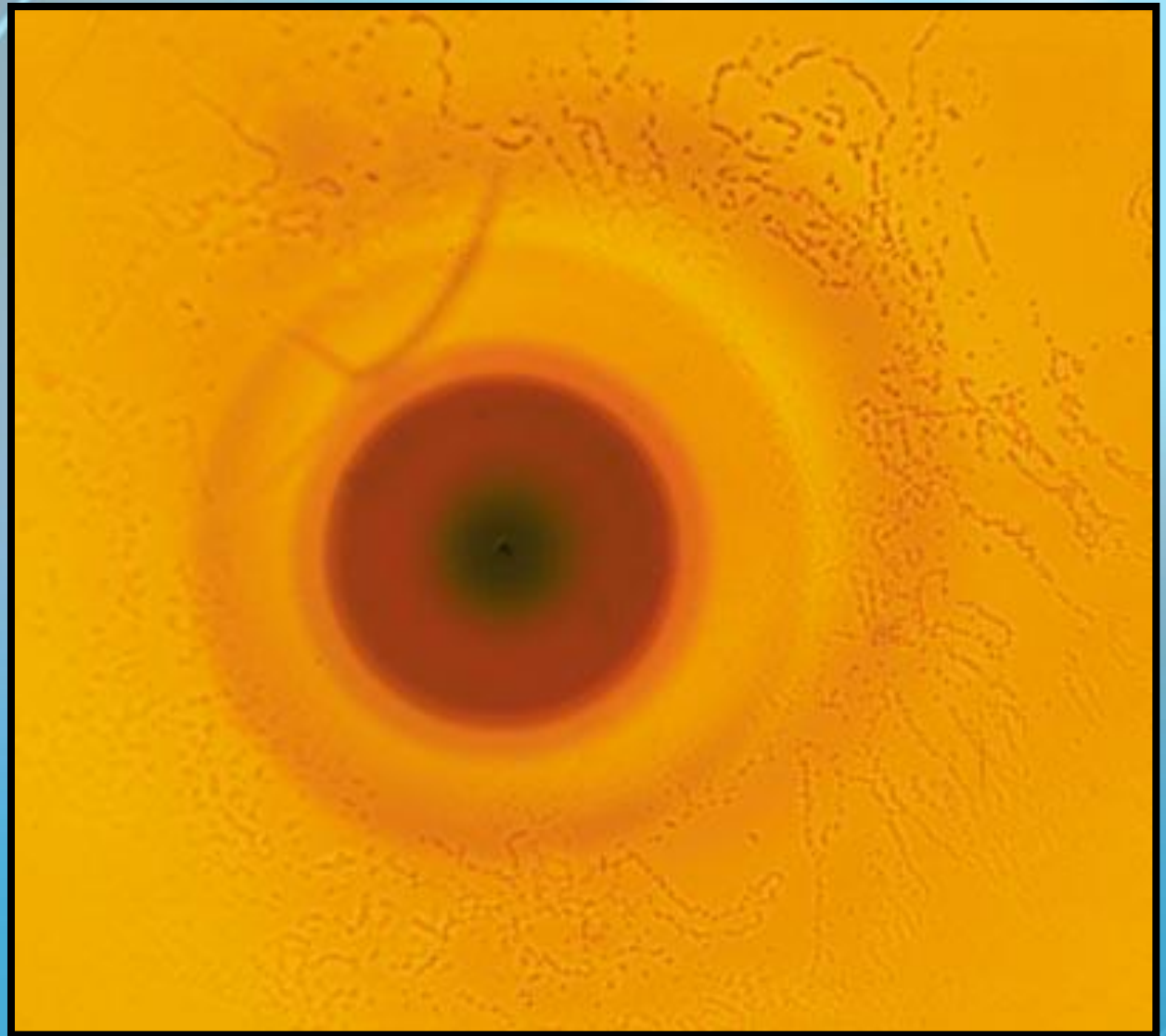
by Andrew A. Snelling, Ph.D.



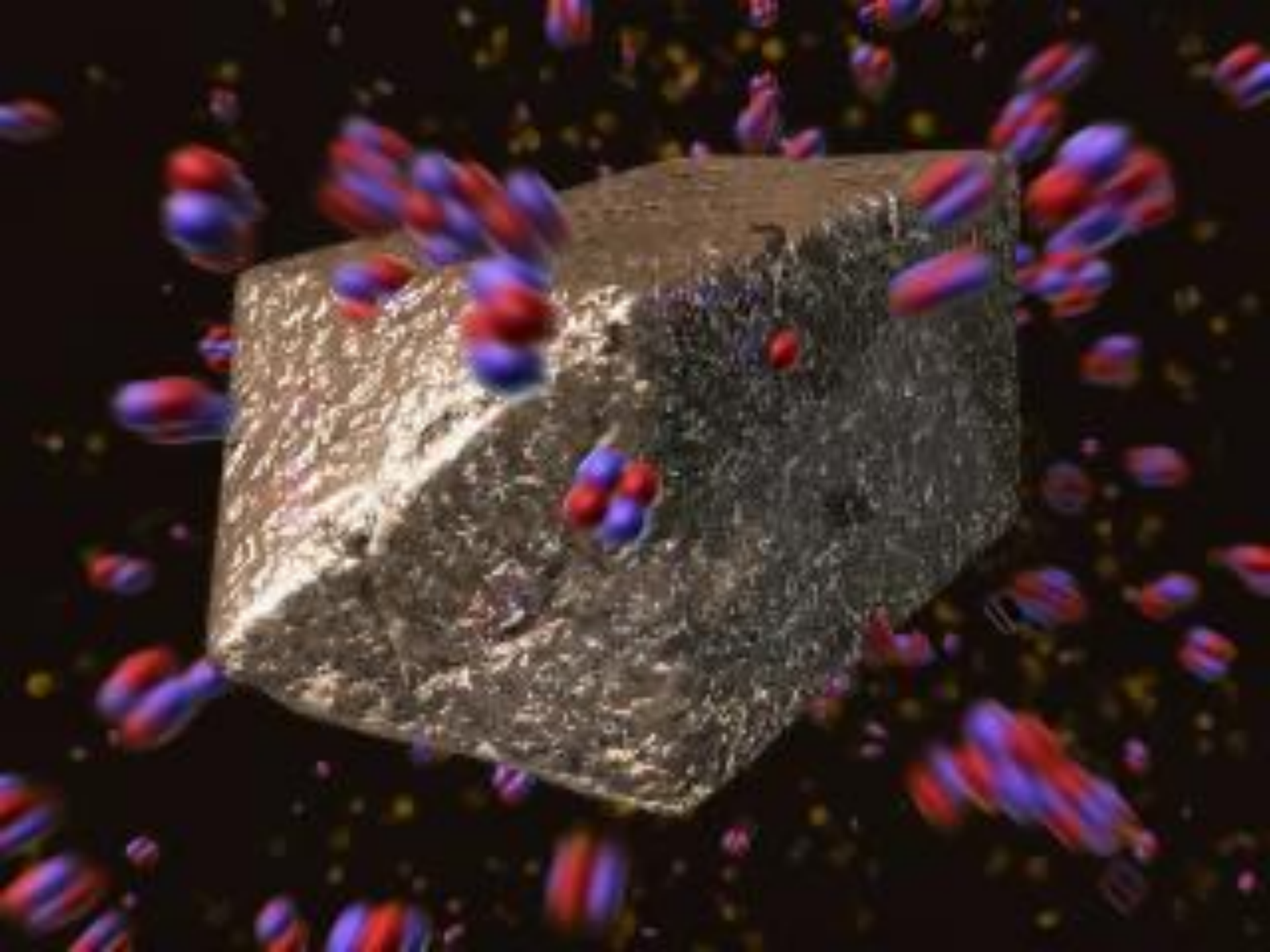
Stone Mountain in Georgia



Andrew Snelling

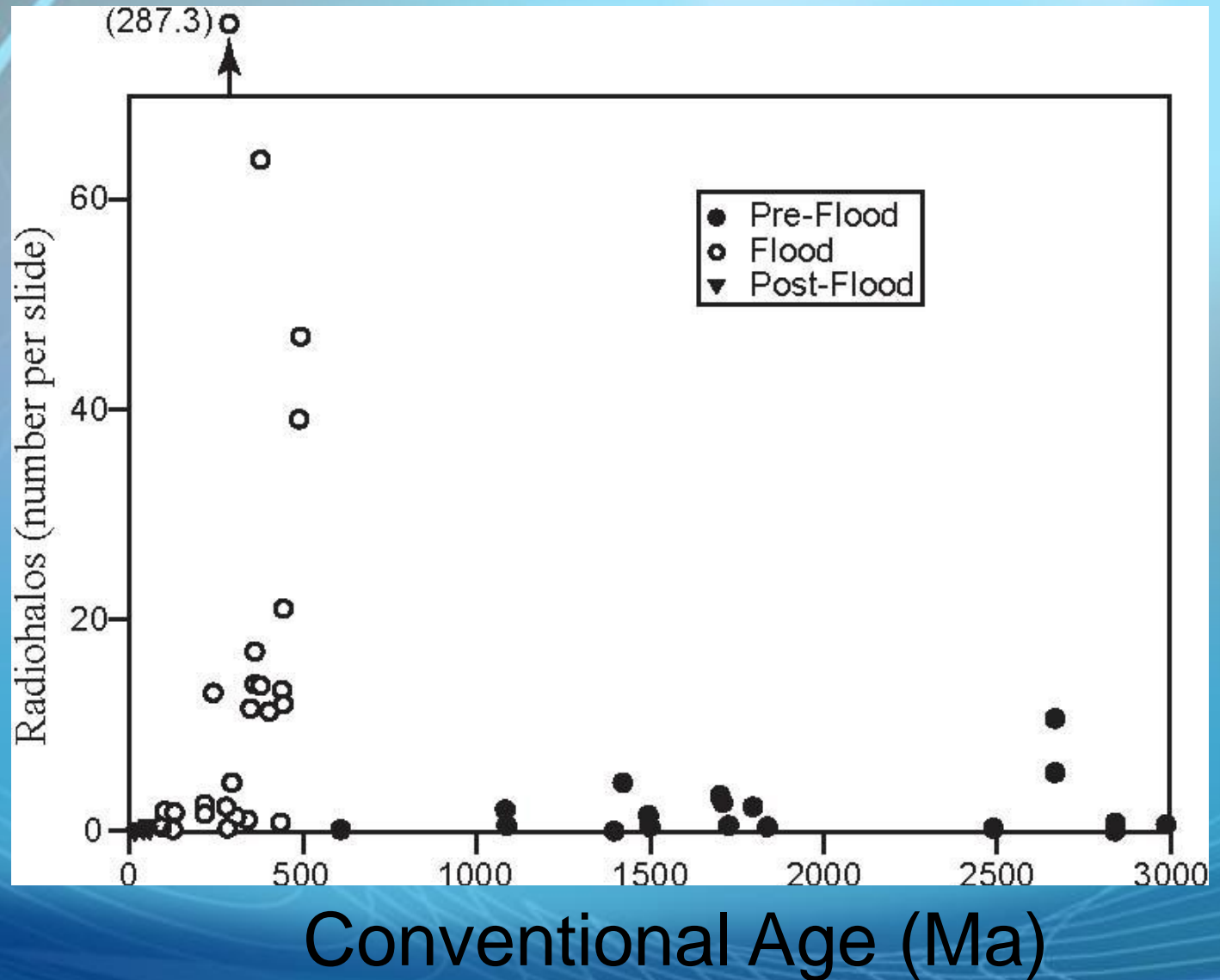


^{218}Po radio-halo by Mark Armitage





Frequency of radio-halos



Isochron Discordance

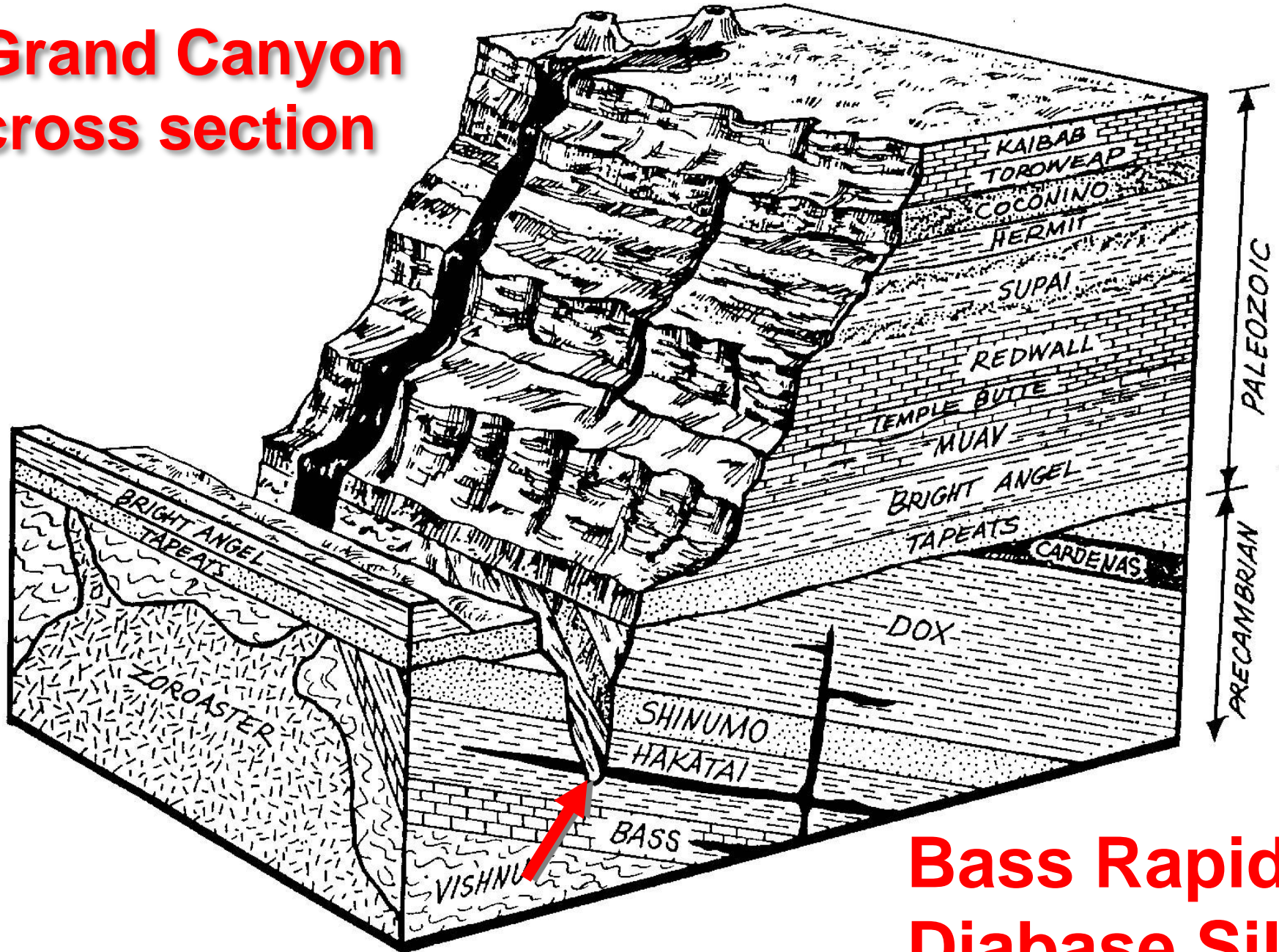
by

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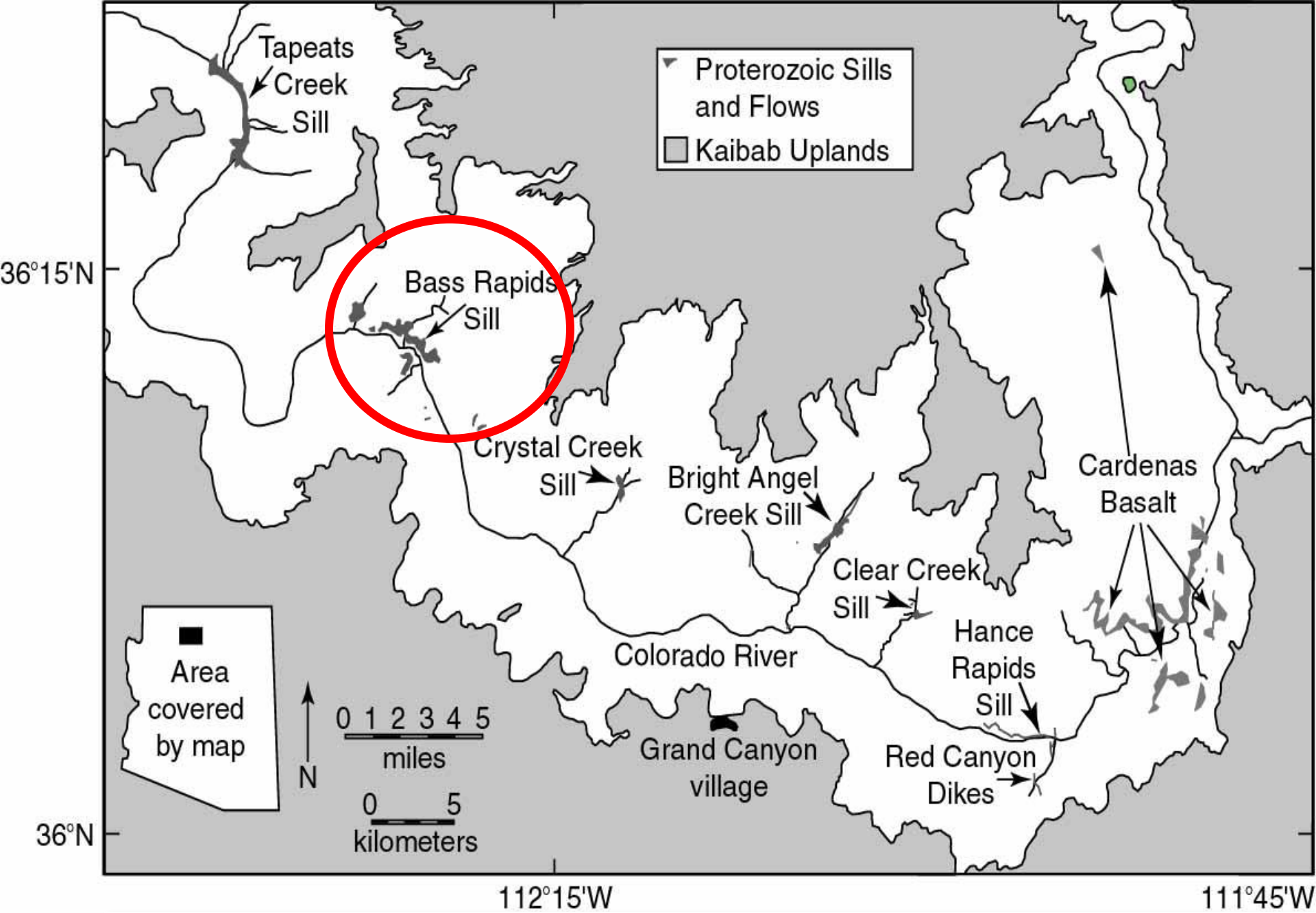
and

Andrew A. Snelling, Ph.D.

Grand Canyon cross section



**Bass Rapids
Diabase Sill**



Bass Rapids diabase in Grand Canyon



Colorado River in Grand Canyon

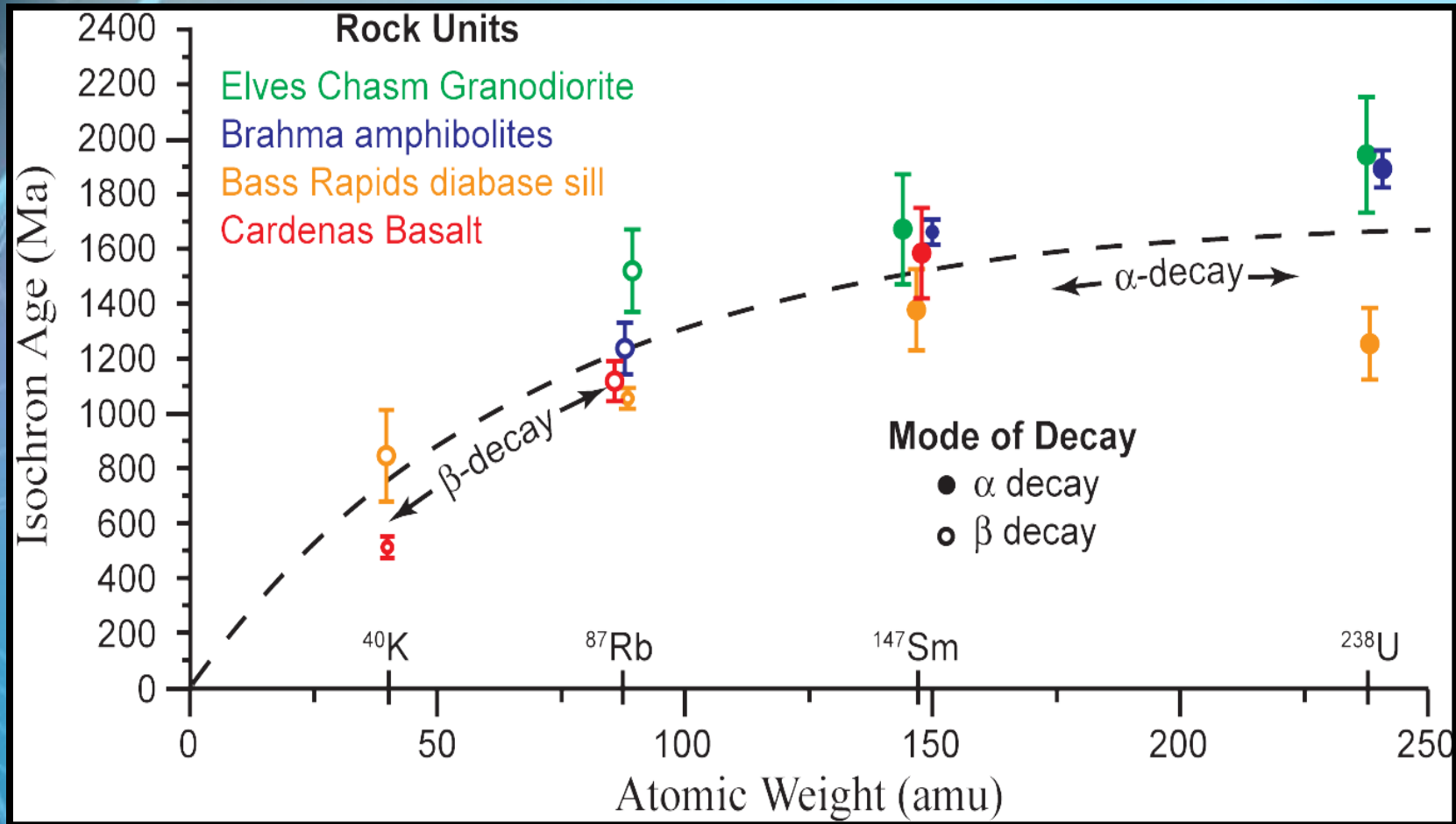


Sampling location on Colorado River



Frequent sampling location

Isochron age vs atomic weight, rock unit and mode of decay



Carbon – 14 Isotopes

by

John R. Baumgardner, Ph.D.



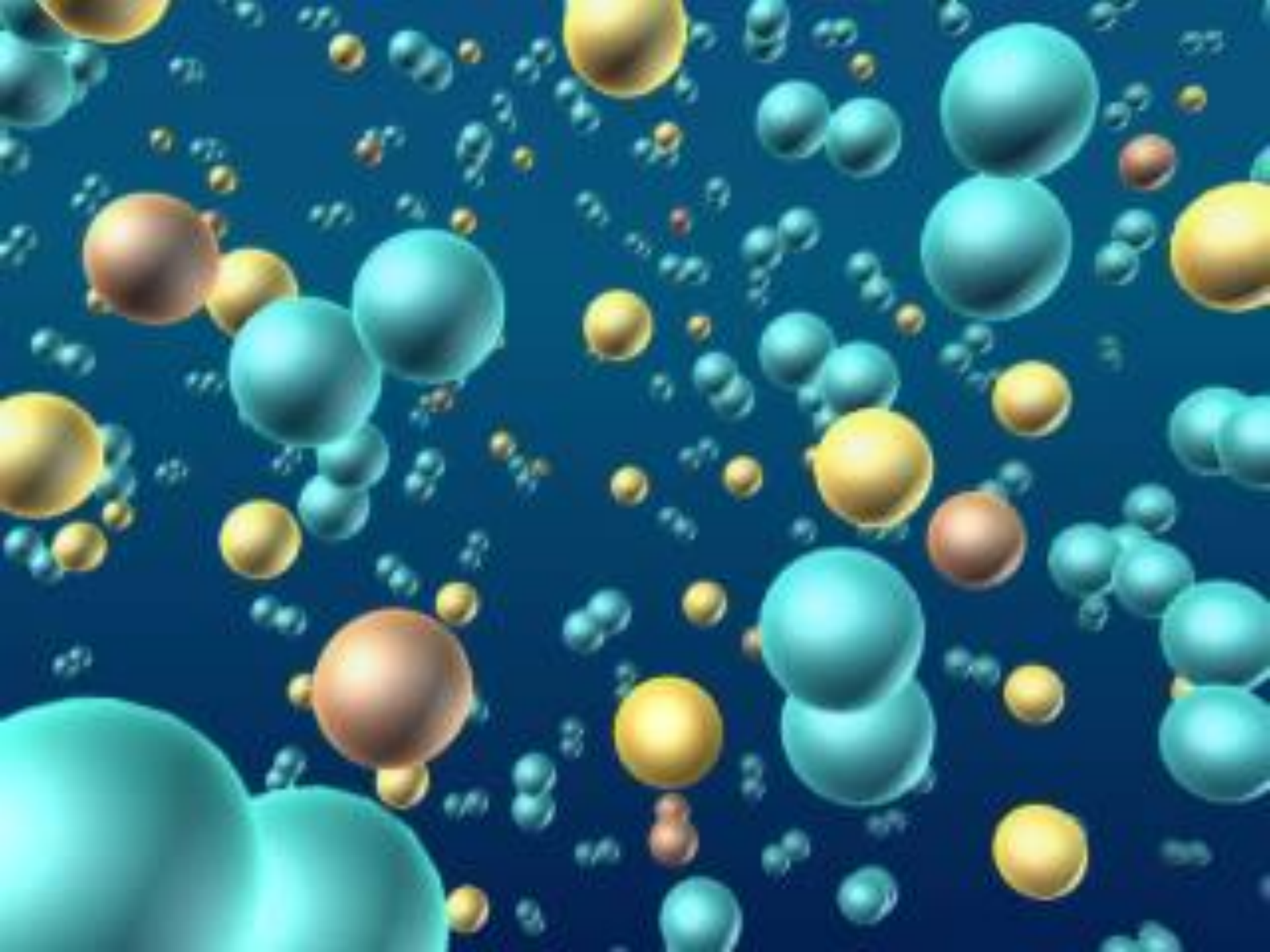
Dinosaur bones near Vernal, Utah



Coal Sample



Isotopic spectrometer





C12

C14

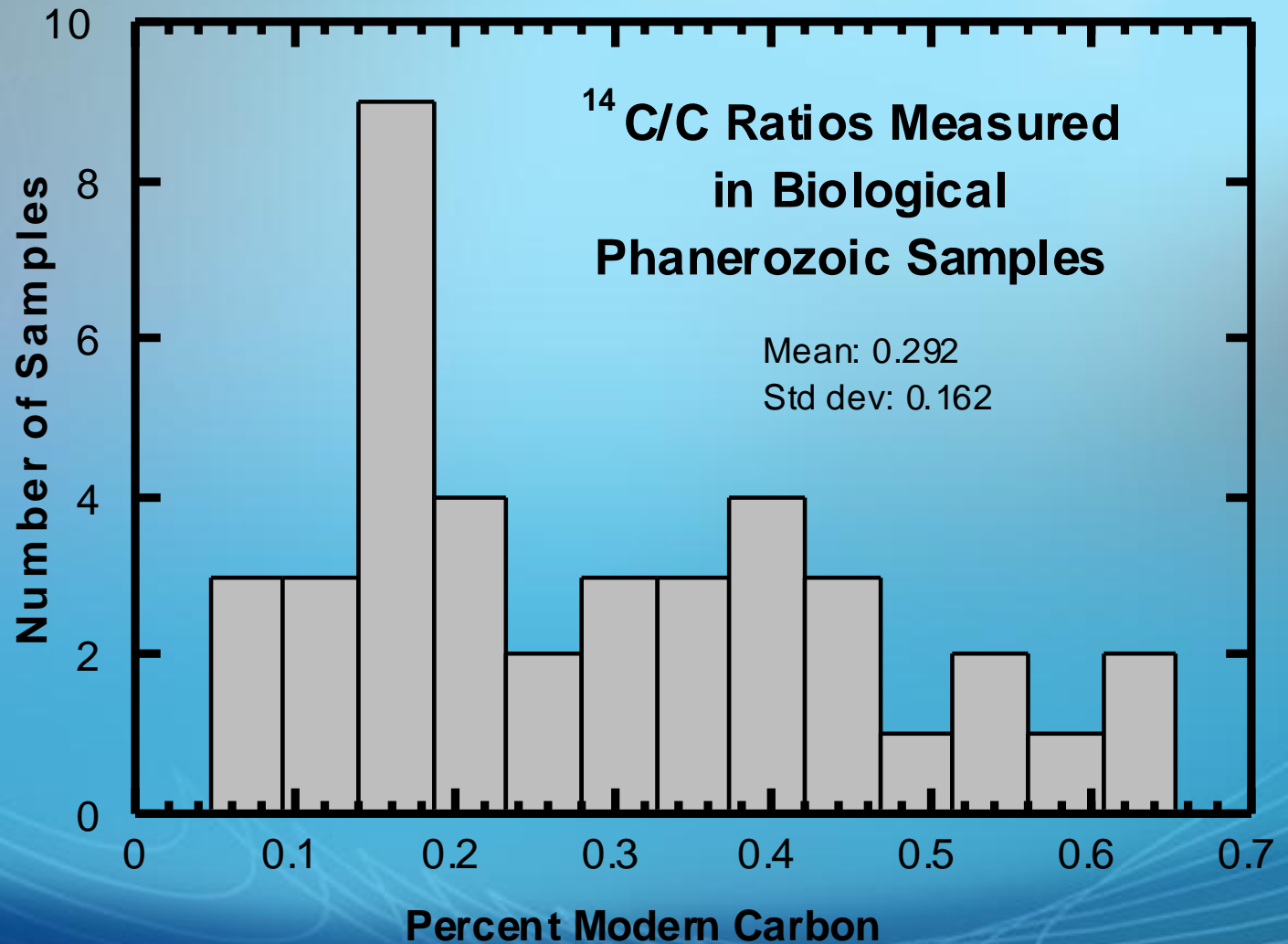




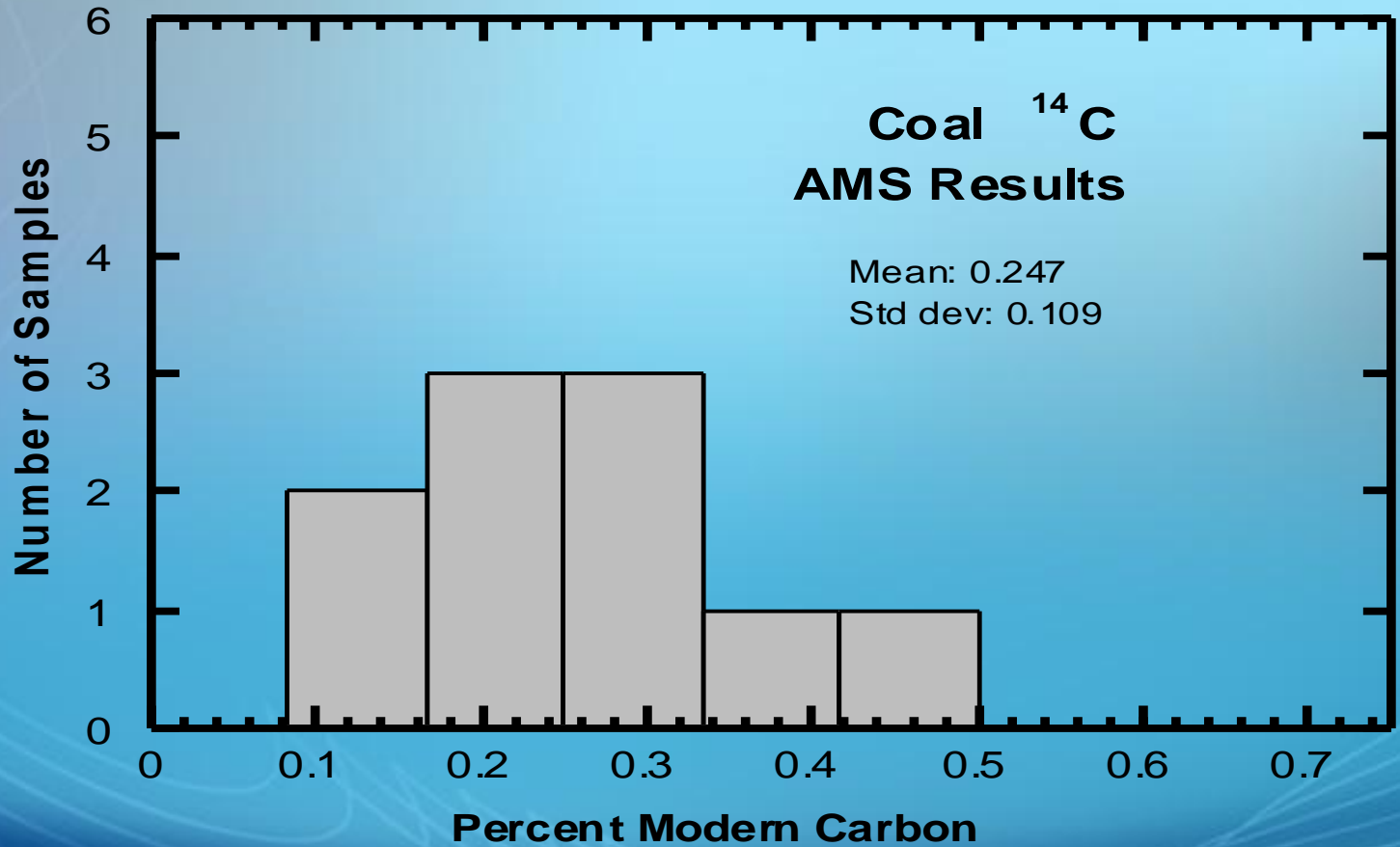
C12

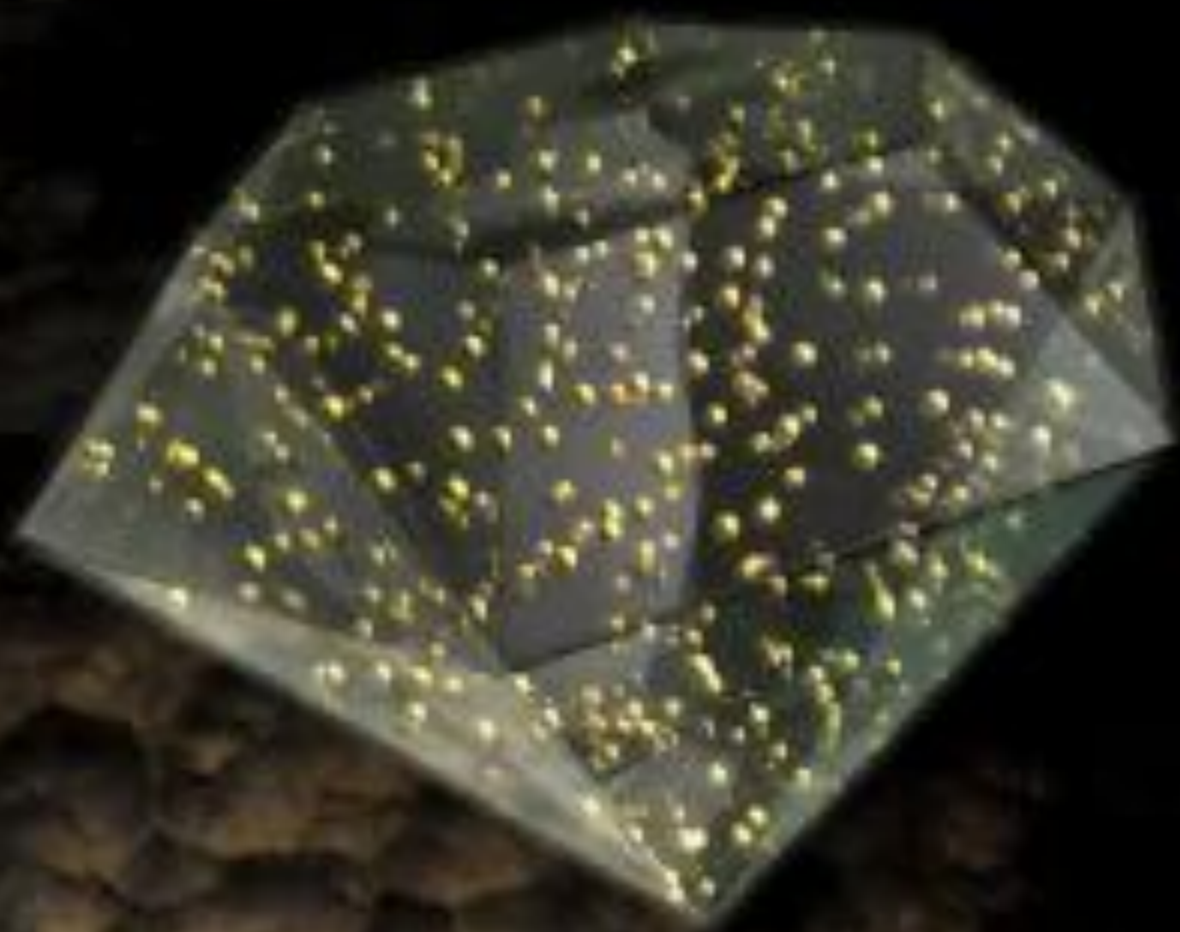
C14

Frequency of samples vs % carbon from reports in the literature



Frequency of samples vs % carbon from 10 coal samples

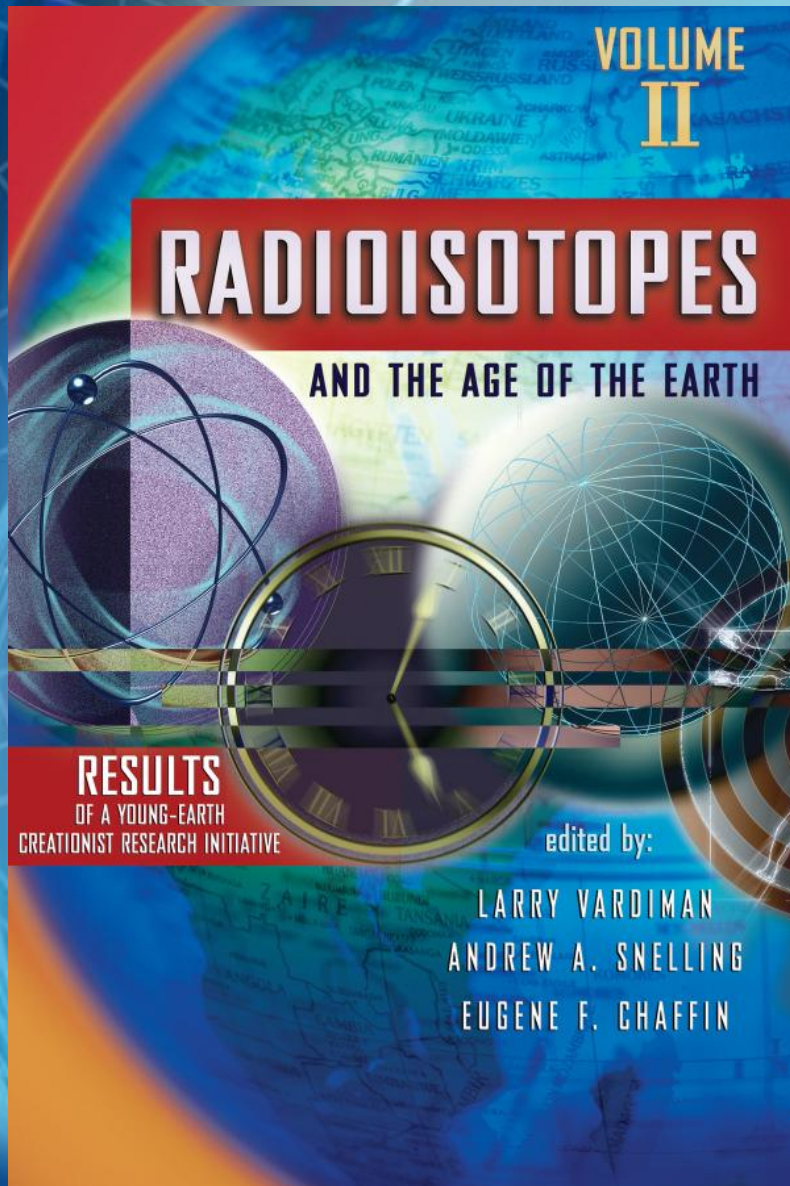




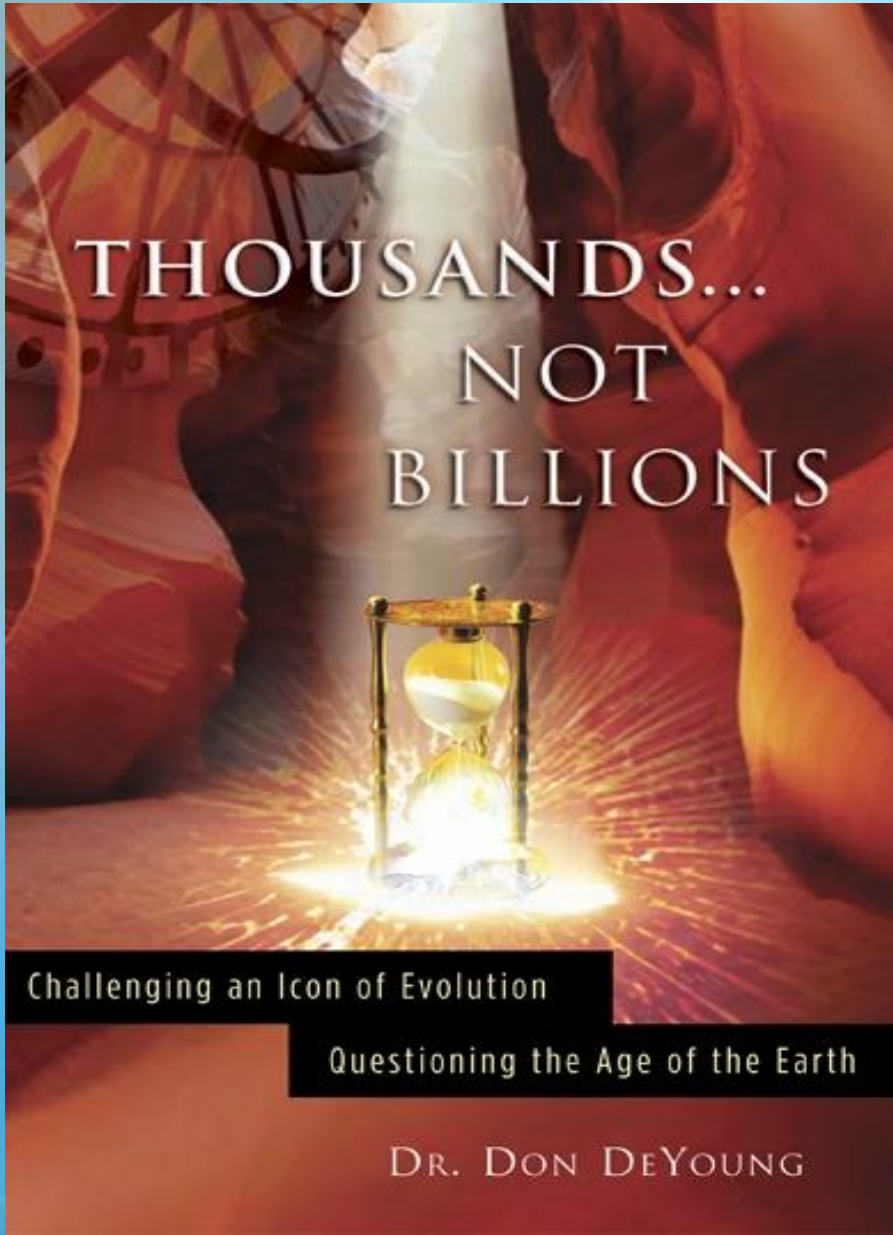
David and Goliath

*“I come to thee in the name of the LORD of hosts.
This day will the LORD deliver thee into mine hand.
That all the earth may know that there is a God in Israel.
The LORD saveth not with sword and spear.
The battle is the LORD’s.
He will give you into our hands.”*

I Samuel 17: 45–47



A definitive resource on radioactive dating for every scientist's library, whether evolutionist or creationist. It examines radioisotope theory, exposes its plaguing problems, and offers a better alternative.



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Example Footnotes:

[1] Henry Morris, Ph.D. | <http://icr.org/article/491> "Willingly Ignorant" (Back to Genesis #180, Institute for Creation Research)

Thank you.