

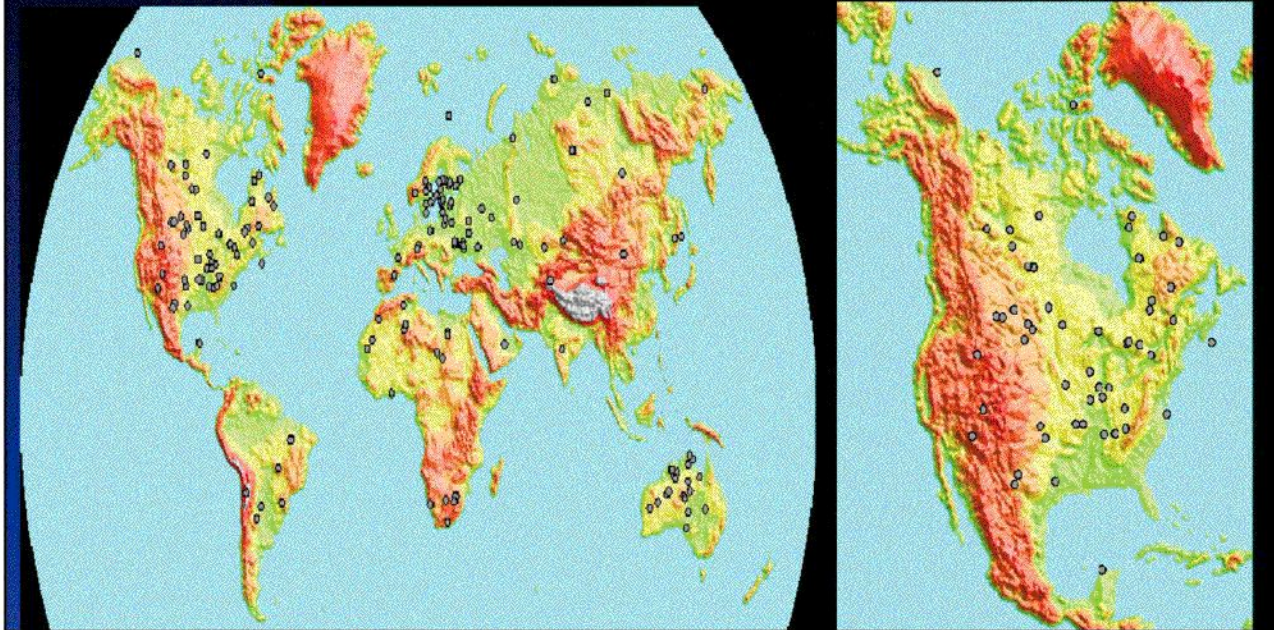
Part two: Living with NeoCatastrophism

“Get the facts first, you can distort them later”

Mark Twain

- Craters, Craters, everywhere (including where they aren't)
- Tillites are impact breccias (maybe)
- Oil exploration under the NeoCatastrophist paradigm
- Plans for Defense of the Planet
- The futility of Planetary Defense-Confirmation in an unexpected place

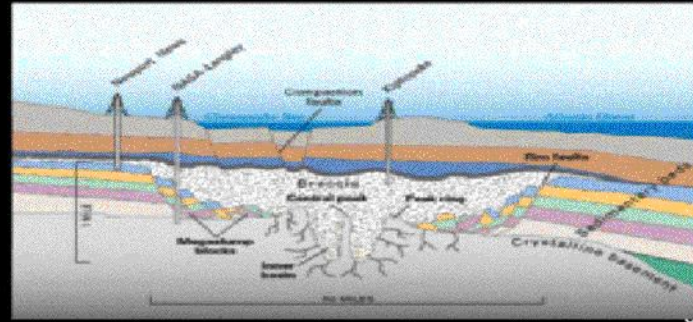
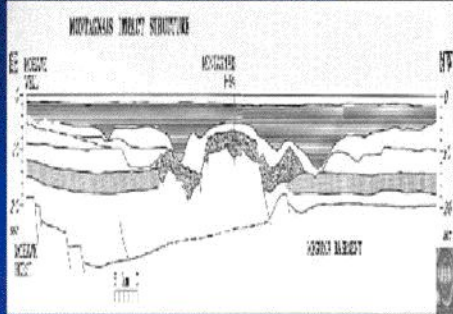
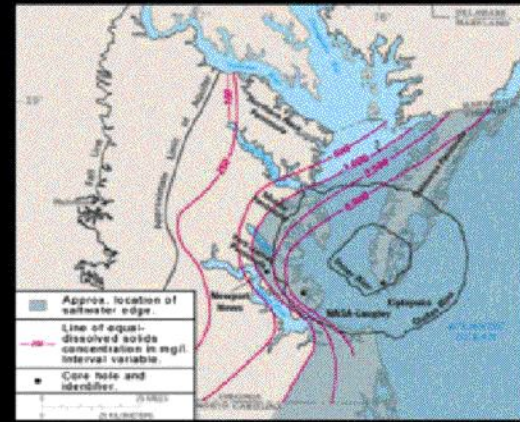
Synoptic data sets from large remote sensing and geophysical surveys, often associated with oil exploration have opened our eyes to many new craters and possible craters around the earth.



The Comet Shoemaker-Levi multiple impacts on Jupiter (upper left) and the Chesapeake Bay (90km 35my) (right) and Montagnais (45km 51my) craters discovered in the course of oil exploration



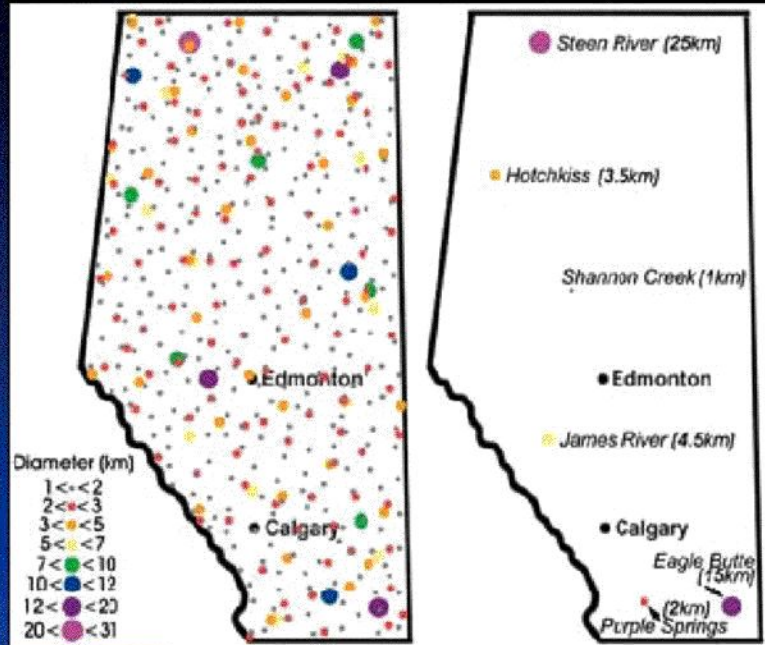
1024x1024 Near-Infrared Camera
University of Hawaii 2.2-meter telescope



Shoemaker-Levi, spectacular evidence of multiple impacts from a single body (thought by some 'experts' to be nearly impossible until it was actually observed!)

Craters, Craters, everywhere (including where they aren't)

During the past 600 MY it is expected that approximately 500 impact craters larger than 1 km in diameter have formed in Alberta. A random distribution of these impacts is shown on the left while the locations of known possible and probable impact craters is given on the right.



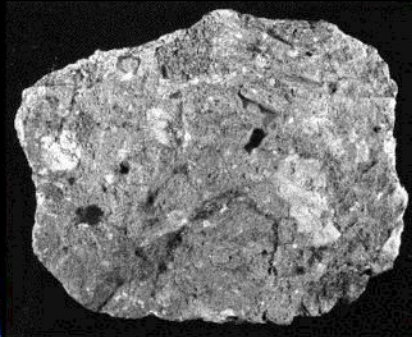
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A Hildebrand fantasy; the supposedly 'random distribution' contains the actually observed craters (How Odd)!

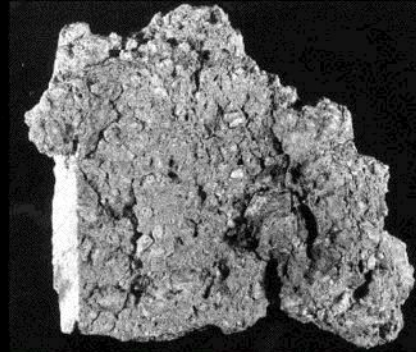
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Are Glacial Diamictites Really Impact Ejecta?



Dwika Diamictite
(glacial tillite)



Namibian Suevite
(impact breccia)

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Some of the extensive glacial tillites identified around the world may actually be impact breccia.

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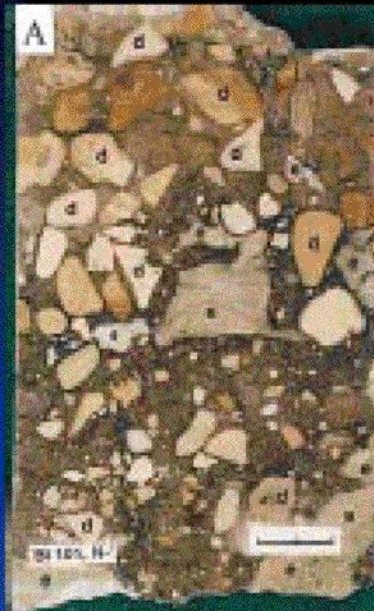
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Hydrocarbon production associated with several impact craters in North America and Australia (adapted from Isaac and Stewart, 1993).

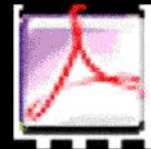
<u>Impact Feature</u>	<u>Diameter(km)</u>	<u>Age (MY)</u>	<u>Hydrocarbon Accumulation</u>
Ames Hole, Oklahoma	8	45	2x10 ⁶ m ³ (18MMbbl) oil and 4x10 ⁸ m ³ (14 BCF) gas in estimated reserves from crater rim and floor
Avak, Alaska	12	100	109m ³ (37BCF) gas reserves in slump block traps
Calvin, Michigan			72x10 ⁶ m ³ (600MMbbl) oil
Newporte, North Dakota	3.2	500	Oil shows and some production from raised rim
Red Wing Creek, North Dakota	10	200	6.4x10 ⁶ m ³ to 11x10 ⁶ m ³ (40-70MMbbl) in recoverable reserves from the central uplift
Steen River, Alberta	25	97.5	Oil (~1000 BOPD) and gas production(~35 MMCF/ d) from rim structure with 2x10 ⁹ m ³ (72 BCF) gas reserves
Tookoonooka, Australia	55		Potential for stratigraphic traps
Viewfield, Saskatchewan	2.4	200	3.2x10 ⁶ m ³ (27MMbbl) reserves from raised rim

Chicxulub impact: The origin of reservoir and seal facies in the southeastern Mexico oil fields

The K-T breccia reservoir and seal ejecta layer of the Cantarell oil field, with a current daily production of 1.3 million barrels of oil, are probably the most important known oil-producing units related to an impact event.



Oil exploration under the NeoCatastrophist paradigm



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1. The attached paper contains an interesting piece of eccentric science.

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Defending the Planet



PROTECTING EARTH FROM ASTEROIDS AND COMETS

An AIAA Position Paper

Approved by:
AIAA Space Systems Technical Committee
AIAA Space Operations and Support Technical Committee
AIAA Systems Engineering Technical Committee
AIAA Astronautics and Aerospace Technologies Committee
and
AIAA Board of Directors

October 2004

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"No one wants to look back and regret actions not taken" - Dr David Suzuki, *The Nature of Things*.

"Many might say "But we know of no one that has ever died from an asteroid impact." That's true [in recent times], but then who has ever died from a thermonuclear explosion? Surely no one would claim that they are not dangerous?" - Arthur C Clarke, Foreword to *Rogue Asteroids and Doomsday Comets* by Duncan Steel.

"No one has ever been killed by a meteorite in the presence of a meteoritist and a medical doctor!" - John Lewis

- 5 Feb 05 S&T: ASTEROID 2004 MN4: A REALLY NEAR MISS - a 320m diameter rock will pass within 30,000km of the Earth on Friday 13 April 2029. Since the Earth travels at about 1800km/minute around the Sun a "miss" of 30,000km represents 15 minutes *in the least favorable configuration* (Earth moves one radius in 3.33 minutes). A 320m asteroid is not particularly "huge" but *if it hit* it would create a 6km wide crater and flatten buildings out to about 100km.

On 18 December, the object was rediscovered by Gordon Garrard at Siding Spring in New South Wales., Australia. This raised an alert among astronomers who, fortunately, now know that it will miss the Earth in 2029. But it will come back to haunt us in subsequent centuries.

Gordon was a member of Spaceguard Australia, which was disbanded in 1996 when Australian government funding was stopped. In frustration NASA has partly funded his important work.

The three D's of planetary defense

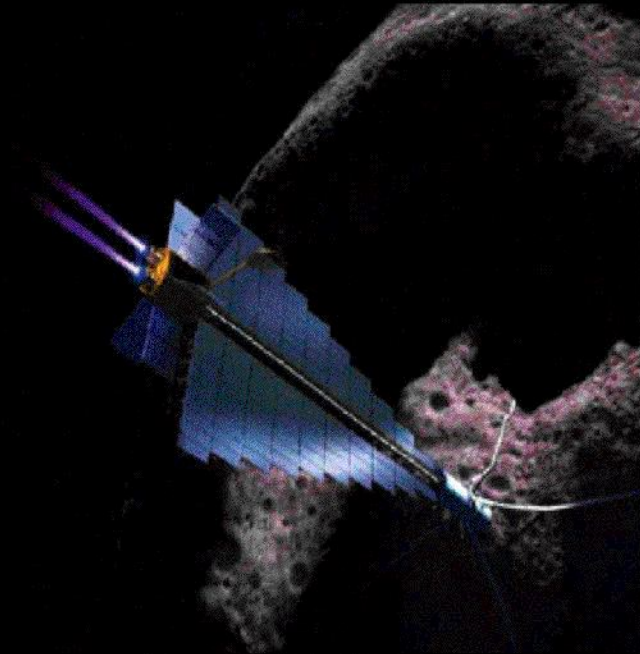
by Jeff Foust

Monday, March 19, 2007

Detection

Deflection

Decision Making



The three D's of planetary defense

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My opinion of these planetary defense efforts is that they are futile; does anyone really believe in the light of the Hubble telescope's initial optics, the Mars lander metric/English squib, Governments' strategic brilliance, and flawed human nature that we will get this earth defense right the first time, Hollywood notwithstanding ? There is another source for serious skepticism of these defense measures and it comes from an unexpected place...



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Effects of a 10 km comet strike on the Earth

Science

- Observation of Comet, Prediction of collision, global panic, our 401k loses 80% of it's value in a week, Wall Street crashes ahead of the impact
- 'Meteor' Showers of comet orbit debris, ice, amino acids(?)
- Tremendous brightness in the sky, sonic boom, blast (6000X Mount St. Helens)

Biblical Scripture

- "And the Kings of the earth and the great men and the Commanders and the rich and the strong and every slave and free man, hid themselves in the caves and the rocks of the mountains; and they said to the mountains and to the rocks, "fall on us and hide us from the presence of Him who sits on the throne, and from the wrath of the Lamb; for the great day of their wrath has come; and who is able to stand?" *Revelation 6:15-17*
- And the stars of the sky fell to earth, as a fig tree casts its unripe figs when shaken by a great wind
Revelation 6:13
- The heavens will disappear with a roar; the elements will be destroyed by fire, and the earth and everything in it will be laid bare

2 Peter 3:10

Effects of a 10 km comet strike on the Earth

Science

- Earthquake
Magnitude 11
- Ground waves,
waves, Tsunamis
- Widespread Fires

Biblical Scripture

- Mountains quake because of Him, And the hills dissolve; Indeed the earth is upheaved by His presence, The world and all the inhabitants in it. Who can stand before His indignation? Who can endure the burning of His Anger? His wrath is poured out like fire' And the rocks are broken up by Him. The Lord is good, A stronghold in the day of trouble, And He knows those who take refuge in Him
Nahum 1:5-7
- Because of this will not the land quake And everyone who dwells in it mourn? Indeed, all of it will rise up like the Nile, and will be tossed about, and subside..."And it will come about in that day" declares the Lord God, "That I shall make the sun go down at noon And make the earth dark in broad daylight"
Amos 8:8-9
- ...and a third of the earth was burned up, and a third of the trees were burned up, and all the green grass was₂ burned up.
Revelation 8:7

Effects of a 10 km comet strike on the Earth

Science

- 40km deep instantaneous crater punctures the earth's crust, ejection of 30,000 cubic km of rock into the atmosphere
- Darkening of the skies in latitude belts or globally
- Acidification and poisoning of surface waters, 33% of all life forms destroyed

Biblical Scripture

- ...and something like a great mountain burning with fire was thrown into the sea; and a third of the sea became blood...and he opened the bottomless pit; and smoke went up out of the pit, like the smoke of a great furnace; and the sun and the air were darkened by the smoke of the pit
Revelation 8:8; 9:2
- ...and a third of the sun and a third of the stars were smitten, so that a third of them might be darkened and the day might not shine for a third of it, and the night in the same way.
Revelation 8:12
- ...and a great star fell from heaven, burning like a torch, and it fell on a third of the rivers and on the springs of waters...and a third of the creatures, which were in the sea and had life, died and a third of the ships were destroyed...and many men died from the waters, because they were made bitter. *Revelation 8:9-12*

Final Thoughts

- *“The Lord knows the reasonings of the wise, that they are futile”*

Psalm 94:11 and 1Corinthians 3:20

- *“Faith declares what the senses do not see, but not the contrary of what they see “*
Blaise Pascal

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1. What almighty God has ordained will come to pass despite all human effort to the contrary. A coming cosmic impact event of similar or slightly smaller magnitude to the Chicxulub impact is strongly suggested to me by my study of the Bible and the natural world as an event associated with the end of this present age.