

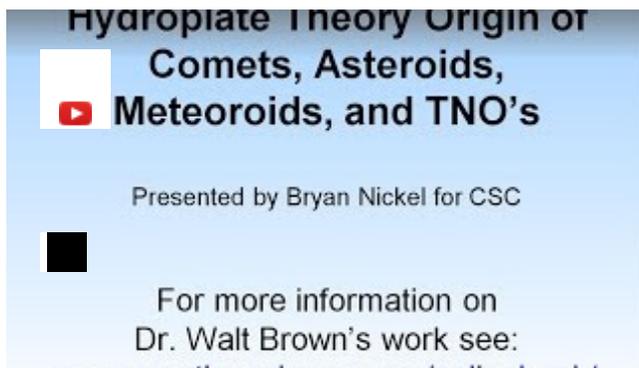
**Video Link--> [Hydroplate Theory: Origin of Comets, Asteroids, Meteoroids, and Trans-Neptunian Objects](#)
A Supplemental Presentation by Bryan Nickel Expanding on his Six-Part Hydroplate Theory Overview.**

(Important! Note that there is another excellent video presentation on the same subject following the notes for this one. Don't miss its important additional material, or the many important video links incorporated in the notes themselves! *At time 22:06 of Kevin Lea's presentation there is an excellent 8 minute animation with Dr. Brown summarizing his entire Hydroplate Theory*)

- ★ 0:58 Notice that the Hydroplate Theory does NOT say that asteroids, comets, and TNO's came fully formed from the earth.
- ★ 1:05 These bodies were formed in the weeks months, and years following the flood when from the rocks, water, gases, and other compounds launched into the inner solar system by the fountains of the great deep.
- ★ 1:16 Meteoroids and Meteorites are fragments that did not come together to form larger bodies. Meteoroids become meteorites when they hit the earth.
- ★ 1:25 Meteorites contain: Chondrules Sadly crystals Water Limestone DNA components Possible cellulose Sugars Bacteria Terrestrial-like brines Left-handed amino acids Heavy hydrogen "Earth-like" minerals "Earth-like" isotopes All these implicate earth as their source and the fountains of the great deep as the powerful launching mechanism!
- ★ 2:05 Meteorites can be divided into three classes. 1. 95% Stones - rich in silicon and olivine which are both common on earth 2. 4% Irons (iron-nickel) - unique Widmamstatten pattern 3. 1% Pallasites (stony irons)
- ★ 2:31 Pallasite Meteorites -- Their surprising composition ("ping-pong balls frozen in water") Is explained by The Hydroplate Theory.
- ★ 3:06 Why the standard explanation of pallasites is not sufficient.
- ★ 4:25 Remnant Magnetism in Pallasites
- ★ 4:34 The Hydroplate Theory Explanation of Pallasites
- ★ 7:25 Chondrules Refer to Bryan Nickel's video "The Origin of Radioactivity" or the chapter of the same title in Dr. Brown's online book, "In the Beginning," which is freely available at www.creationscience.com.
- ★ 9:30 Comets, Asteroids, and TNO's Comets - Loose collections of ice, dust, and small rocky particles Asteroids - Small, minor planets that revolve around the sun with orbits lying chiefly between Mars and Jupiter TNO's (Trans-Neptunian Objects) - Any minor planet in the solar system that orbits the sun at a greater average distance than Neptune
- ★ 9:54 How Objects Fall in a Gravitational Field -- How Objects Orbit Each Other
- ★ 10:21 Circular Orbit - 17,000 miles per hour
- ★ 10:42 Comet Orbits Elliptical Orbit (closed) - eventually captured by Sun's gravity - aphelion: farthest point - perihelion: nearest point Parabolic Orbit (closed) - lengthening the elliptical orbit (becoming more eccentric) as it moves towards a hyperbolic orbit Hyperbolic Orbit (Open) - escapes gravity of sun and no longer returns
- ★ 11:36 OUT-bound comets have been observed leaving the sun's orbit. IN- bound comets have NEVER been observed.
- ★ 12:18 More Comet Info: - JPL database: 1118 w/ defined orbits - Approx. 2300 more w/ unconfirmed information - Comas (streams of dust and gas released by a comet that form the extremely thin atmosphere around a comet) are LOW density. Comets are made of ice, dust, and surprisingly well-rounded rocks. The density of the nucleus of a comet is like foam, talcum powder, or meringue on a pie. Despite their tails sometimes a thousand earths, total comet mass is VERY small. - ZERO new inbound comets ever observed. There is no actual observed evidence for the Oort Cloud which is hypothesized as the source of comets. -MANY comet deaths have been observed.
- ★ 13:52 Jupiter: The Comet Killer Why so many short-lived comets still in existence?
- ★ 15:34 The Oort Cloud Theory -- a troubling lack of evidence
- ★ 16:43 Hydroplate Theory looks at three orbital properties of comets that can be tied to the relative motion that all comets received from the earth's orbit. 1. Orbit Period 2. Angle of Orbit from Earth's Plane 3. Orbit Direction - Prograde (forward) - Retrograde (backwards)
- ★ 18:00 How Hydroplate Theory Explains the Existence of short, medium, and long period comets.
- ★ 18:00 Comet Chart Type and Period Chart
- ★ 18:06 Relative Motion -Train Illustration shooting back green, yellow, and red balls at different speeds
- ★ 20:34 Train and Colored Balls Illustration applied to short, medium, and long period comets
- ★ 22:04 Origin of the Asteroid Belt - Does the current Asteroid Belt fit the Hydroplate Theory?
- ★ 23:08 The Asteroid Belt has a donut shape and is centered near earth's orbital plane. So how did ejected materials with highly-inclined orbit angles change to become asteroids concentrated near the orbital plane?
- ★ 23:22 Conditions producing powerful forces due to energy from the sun. - Radiometer Effect - Solar Wind - Yarkovsky/Carnot

Effect - Interstellar Debris

- ★ 24:41 Solar Sail
- ★ 25:08 A "swarm" and the gas braking effect (aero-braking)
- ★ 27:08 The effect of energy from the sun on the "day" and "night" sides of small objects and swarms. (The Yarkovsky Effect)
- ★ 29:18 Helpful Animation of the Expanding Orbit (Yarkovsky) Effect
- ★ 29:50 Effect of Drag on Orbit
- ★ 31:39 Origin of Trans-Neptunian Objects (TNO's)
- ★ 33:04 The Kyper Belt (TNO's)
- ★ 33:46 Wide Binary TNO's - Two objects of similar size orbiting each other
- ★ 35:57 The Law of Conservation of Angular Momentum
- ★ 37:02 Debris Strikes the Moon -- "Peppered" Moon (on earth side)
- ★ 37:17 The smooth dark spots on the earth side of the moon were once thought to be seas, so they are called maria. The dark maria are actually remnants of a great deal of melted rock.
- ★ 37:44 Earth-side of moon: dark Maria "seas" Far-side: many craters, no Maria
- ★ 38:19 Earth shields Moon's near side even better than we might think.
- ★ 39:36 Moon's near side: Mascons (Mass Concentrations)
- ★ 39:49 Why are large impact ors concentrated on the earth side of the moon?
- ★ 40:01 If the moon is billions of years old, why is it still hot?
- ★ 40:14 Short half-life Radon 222 is detected on the moon emanating from two craters on the moon's leading face.
- ★ 40:24 Several factors favoring the Hydroplate Theory. 1. The mass concentrations 2. The unexpected heat 3. The presence of Radon 222 4. The remnants of water ice and craters 5. The unique topography differences between the moon's near side and far side
- ★ 40:41 Animation of debris from earth hitting the moon to create near- and far-side features on the moon
- ★ 41:31 Secondary debris strikes are on the far side of the moon, but no mascons or Maria.
- ★ 42:20 30-day month, 360-day year? See Part 6 of the Hydroplate Theory Overview Series.
- ★ 43:27 Did the flood alter the Moon's orbit? Theoretical calculations based on the Hydroplate Theory match almost precisely with the observed data of the moon's orbit today.
- ★ 44:36 When did the flood occur? Can we statistically run the comet orbits backwards in time.
- ★ 50:42 Greek Septuagint (LXX) genealogies come surprisingly close to this data.



[Video Link--> The Real Origin of Comets, Asteroids and Trans - Neptunian Objects \(TNOs\)](#)

[A Presentation by Kevin Lea Drawing Upon and Expanding Bryan Nickel's Presentation Above](#)

(There are some repetitions of Bryan Nickel's presentation, but several important additions as well. The sections highlighted in blue are considered worth special notice.)

- ★ 0:00 Part 1 - Comets, Asteroids, and Trans-Neptunian Objects (TNOs) - by Kevin Lea
Website: www.calvarypo.org (see media) Based on the work of Walter Brown, PhD - www.creation-science.com
- ★ 3:57 Extreme TNO orbit picture from February 2016 Scientific American
- ★ 5:18 Some Power Point slides from Bryan Nickel's animated explanation of Dr. Walt Brown's Hydroplate Theory, available at www.creation-science.com or search for Bryan Nickel Hydroplate Theory on YouTube. Bryan Nickel is a mechanical engineer at Raytheon Corporation.
- ★ 6:33 What can we learn from the Bible on this topic?

- ★ 7:45 In 1908 a comet exploding in the air leveled 800 square miles of forest in Siberia (force of 185 Hiroshima atomic bombs) and lit up the sky in Britain so they could read the newspaper at night.
- ★ 9:16 Could a future meteorite, comet, or asteroid potentially wipe out life on earth?
- ★ 10:02 Scientists are working on a mini "Death Star" or a powerful laser in an attempt to defend the Earth from the impact of a large body from space.
- ★ 10:44 Are the heavenly bodies falling to Earth on the book of Revelation to be taken literally?
- ★ 12:13 185 nuclear reactor plants in Europe and 99 in the U.S.A.
- ★ 13:32 Luke 21:26 Men's hearts failing them for the things coming upon the Earth.
- ★ 14:21 When God created the earth it was good. These heavenly objects do great harm, so we're they not part of the original creation?
- ★ 15:11 If these objects came about as a result of the flood, they could be used as part of God's final judgment, and they at least testify to past judgment.
- ★ 15:42 If these objects originated as a result of Noah's flood, there is only one theory that scientifically explains how they resulted.
- ★ 16:22 The Hydroplate Theory is consistent with everything the Bible says about the flood.
- ★ 17:12 The Hydroplate Theory does not require extra-biblical miracles to explain how it happened, as some other creationist theories do.
- ★ 18:08 All the evidence coming in from telescopes and space probes is consistent with, and often predicted beforehand by, the Hydroplate Theory.
- ★ **18:24 Dr. Brownley's (University of Washington) Stardust Space Probe (funded by NASA) and Dr. Brown's amazingly accurate predictions of what would be found.**
- ★ 20:01 Dr. Brownley said they did not know how what they found got there. It turned out to be organic compounds (including left-handed amino acids) as Dr. Brown had predicted.
- ★ 21:19 Did Dr. Brownley then read Dr. Brown's chapter to see how he predicted the discovery? No, because that was not the way they believed it happened. But they are struggling to find any other explanation of their findings.
- ★ **22:06 Mike Snavely's animated presentation of the Hydroplate Theory Animation explained by Dr. Walt Bown.** (Animation ends at 30:53.)
- ★ 30:53 Resume after Hydroplate Theory Overview Animation.
- ★ 31:06 It is not claimed that Pluto or other TNOs were ejected whole from the earth. Rather, about 3% of Earth's mass in the form of water, rocks, debris, and some atmospheric gases were ejected and gradually massed together by gravitational attraction.
- ★ 33:13 Here is an explanation of why atmospheric pressure before the flood was greater than after the flood.
- ★ 33:34 Lakes of frozen liquid hydrogen, CO₂, carbon monoxide, and frozen liquid oxygen on Pluto. . .
- ★ **34:16 European Space Agency landing of Rosetta spacecraft on Comet 67P in 2014. They found fifteen organic compounds, including the left-handed amino acid Glycine.**
- ★ 35:54 Comet 67P compared to Los Angeles
- ★ **37:56 An animation section from Bryan Nickel's Hydrplate Theory Overview -- Part 2 at 21:45**
- ★ 46:12 Resume after Bryan Nickel animation segment. Husband and wife shot into space on parallel paths at the same speed will be attracted to one another.
- ★ 47:27 Meteorites -- composed of 13 "earth-like" substances
- ★ 48:19 Pallasites -- composed of iron, nickel, and the common earth mineral, olivine.
- ★ 49:13 Where did all the energy come from to do all this?
- ★ 50:29 Lunar pumping action (underground "tides") and supercritical water
- ★ 53:05 "Pillars"
- ★ **54:10 Powerful electrical surges resulting in nuclear heating and radioactivity -- search YouTube for "Bryan Nickel Origin of Radioactivity." This is reproducible in the lab, creating every element of the Periodic Table. See the chapter on "The Origin of Radioactivity" in Dr. Brown's free online book at www.creationscience.com.**
- ★ **56:25 Critiques of Dr. Brown's Hydroplate Theory answered.**
- ★ **57:31 <http://kgov.com/list-of-answers-to-hydroplate-objections>**
- ★ 58:02 Examples of phenomena Dr. Brown theorizes actually being observed. It's like lightning from underground.
- ★ 59:29 Predicting earthquakes from disturbances in ionosphere, HARP
- ★ 1:00:45 Before the Wright brothers people said things heavier than air couldn't fly, but it is hard to deny when you see it happening.

- ★ 1:01:36 Comets, Asteroids, and Trans-Neptunian Objects (TNOs) - Part 2 - Presented by Kevin Lea
- ★ 1:01:45 Learning About Orbits
- ★ 1:02:37 Low Earth Orbit Velocity = 4.8 miles per second
- ★ 1:03:47 Earth's Escape Velocity = About 7 miles per second
- ★ 1:04:22 Orbit Terminology
- ★ 1:05:46 Origin of the Asteroid Belt - Radiometer Effect - Solar Wind - Yarkovsky/Carnot Effect - Interstellar Debris
- ★ 1:06:42 How Did The Orbits Go From Elliptical to Circular.
- ★ 1:06:53 Energy that blasted Mt. St. Helen's was supercritical water.
- ★ 1:08:52 Solar Sail
- ★ 1:11:51 Expanding Orbits
- ★ 1:12:44 Effect of Drag on Orbit
- ★ 1:14:41 What's the Origin of TNOs?
- ★ **1:16:00 Pluto - The Best-known TNO**
- ★ 1:17:32 Why Does Pluto have a lake of frozen carbon monoxide?
- ★ 1:17:42 Why does Pluto have 11,000 foot mountains of water ice?
- ★ 1:18:04 Why does Pluto have a rapidly escaping atmosphere?
- ★ 1:18:48 The very simple explanation -- The Hydroplate Theory
- ★ 1:19:09 Summary
- ★ 1:20:31 Astronomy = gravity and math
- ★ 1:21:23 Questions and Answers
- ★ 1:21:39 Q. What data demonstrates Pluto could be formed from water, debris, and gases launched into space by earth's fountains of the deep? Q. Could the fountains be fountains of lava (volcanoes) instead of fountains of water? Do we have evidence of such massive amounts of water?
- ★ 1:28:27 Q. What keeps the sun in place?
- ★ 1:29:34 Q. Some physicists say there is now ten times as much water under the earth as on the surface. Comment? Catastrophic Plate Tectonics advocates are trying to find a source of water besides the fountains of the deep. They are trying to find a way that hydrogen (H) atoms could combine with the hydroxyl (OH) radicals chemically embedded in the earth to form H₂O in amounts sufficient to produce a source of water for their theory of the flood. But see Bryan Nickel's Hydroplate Theory Overview to see the physical impossibilities (apart from miraculous intervention) for any theory of plate tectonics.
- ★ 1:30:26 Q. Isn't there water still under the earth today? Note the difference between ground water and water below the five-mile limit which ground water cannot go past.
- ★ 1:31:29 Large Denali earthquake in Alaska affected lake levels in Seattle and New Orleans areas, seeming to show deep, underground connections with these bodies of water. It's like pushing on the brake pedal and moving the hydraulic cylinders at the other ends of the brake lines.
- ★ 1:33:31 Q. When during the flood did the big shift in the continental plates occur?
- ★ 1:36:47 Q. Could scientists claim that the "earth-like" materials originated in space and came to earth, instead of Dr. Brown's theory that they originated on earth and were launched into space? Scientists cannot find a mechanistic way to demonstrate life could have developed by chance in the hospitable environment of earth. Is it more likely that they could have arisen in the harsh, inhospitable conditions of space?
- ★ 1:39:55 Q. What initiated the actual start of the flood?
- ★ 1:42:36 What about earth's magnetic field? (Difficult to hear this question clearly)
- ★ 1:44:09 What about the electric universe theory of the origin of comets?
- ★ 1:47:09 Did the 3% of earth's matter that was ejected account for all asteroids, meteors, comets and TNOs?
- ★ 1:48:41 Did the materials ejected from earth affect the moon?
- ★ 1:49:20 Pre-flood calendars: 30-day lunar (moon) cycles (months), 360-day years
- ★ 1:52:46 What about the features observed on Mars?

