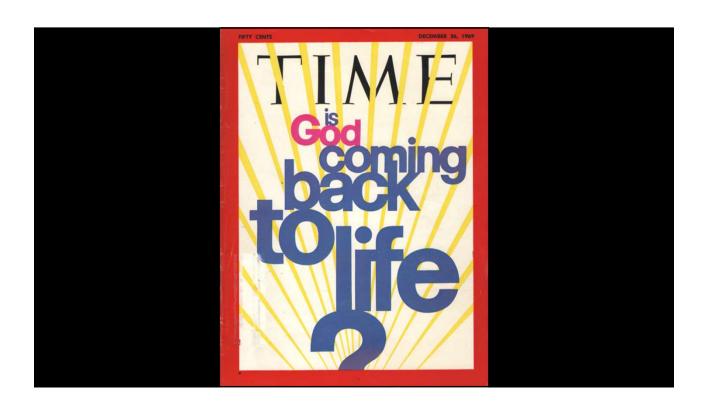
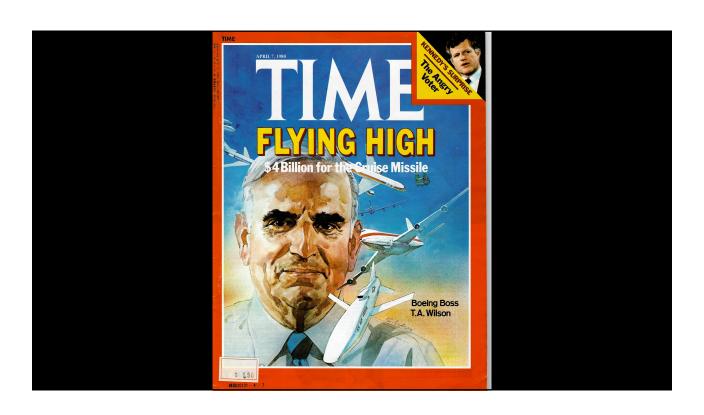


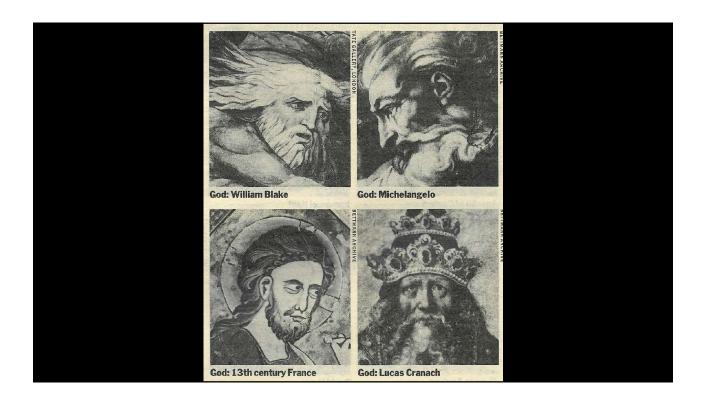
Evidentialist Model.







## Modernizing the Case for God Philosophers refurbish the tools of reason to sharpen arguments for theism God by Mars, knithed to the ancoon by worth if yet principle doubt the three of the principle of their three principles of three principles of their three principles of their three principles of three principle



## Religion









**Thomas Aquinas** 



Immanuel Kant



David Hume

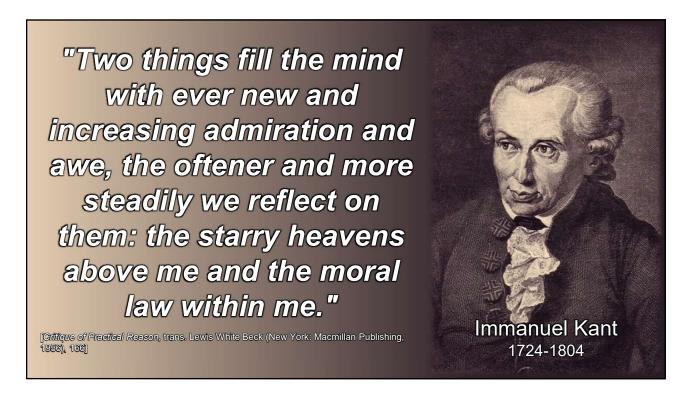
Chicago's Mortimer Adler

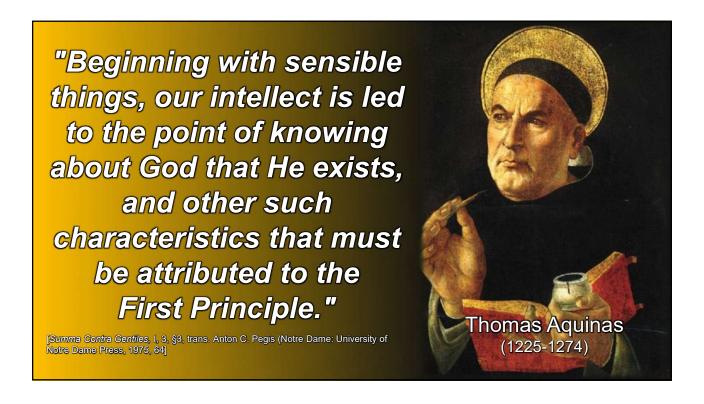




England's J.L. Mackie

Michigan's Alvin Plantinga

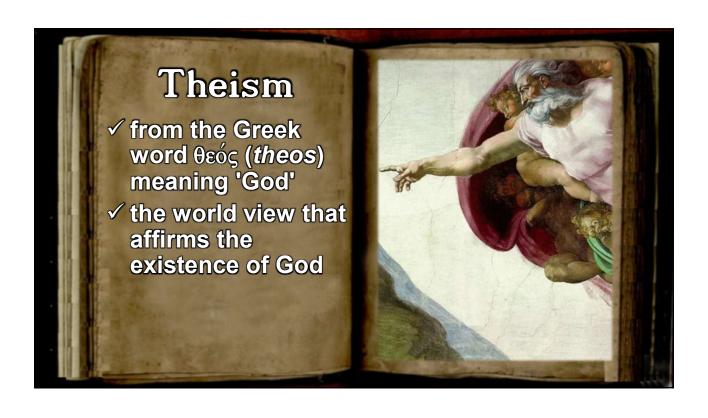


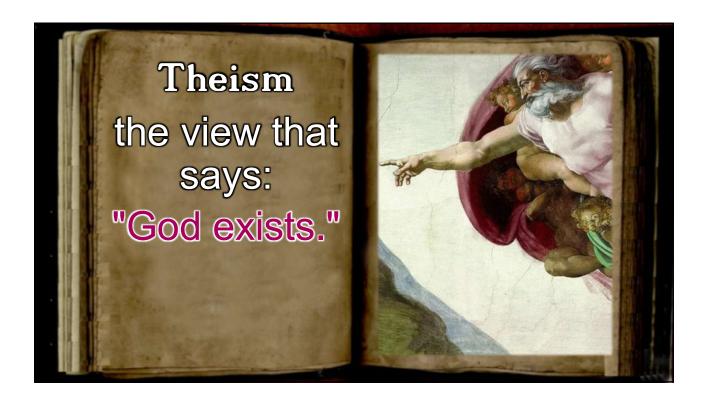


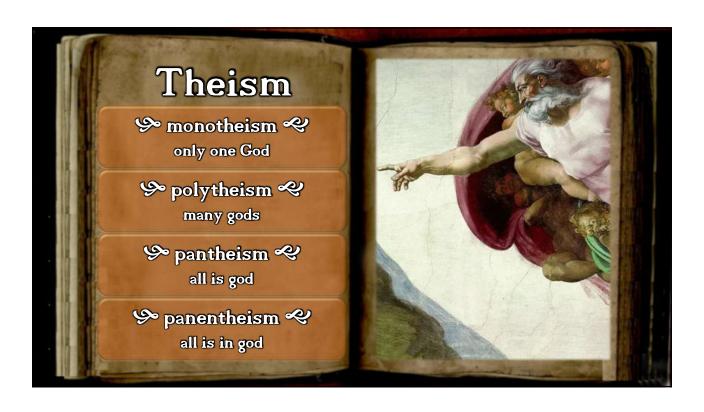
"From every effect the existence of its proper cause can be demonstrated, so long as its effects are better known to us; because since every effect depends upon its cause, if the effect exists, the cause must preexist. Hence the existence of God ... can be demonstrated from those of His effects which are known to us.."

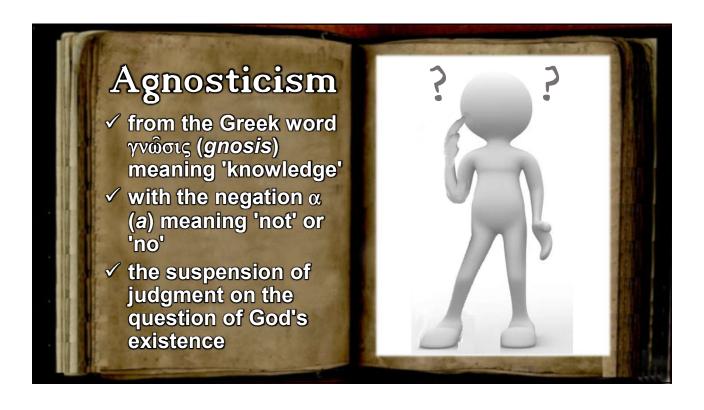
Summa Theologica. I. Q2. Art. 2. trans. Fathers of the English Dominican Province (1225-1274)

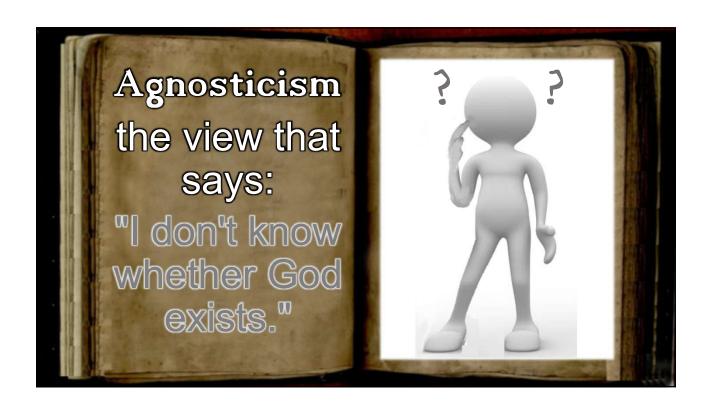


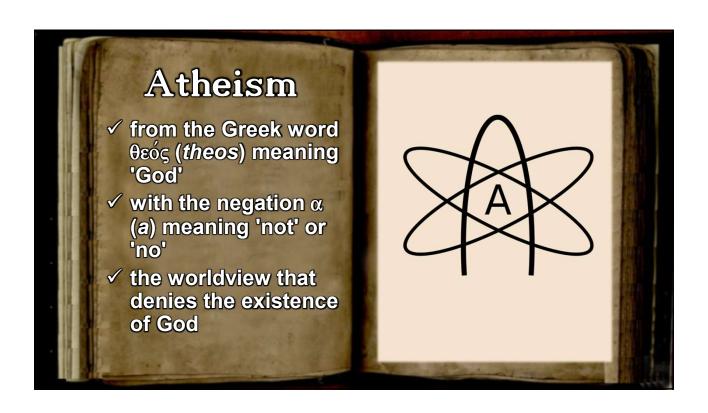


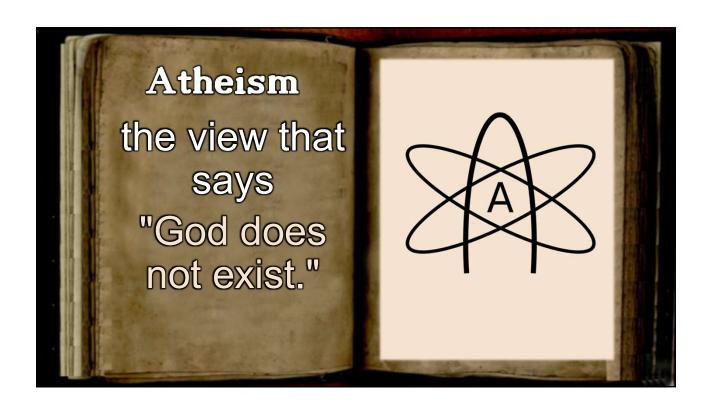


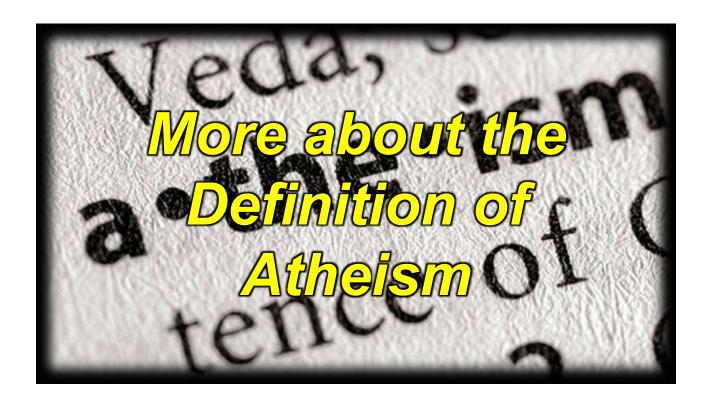




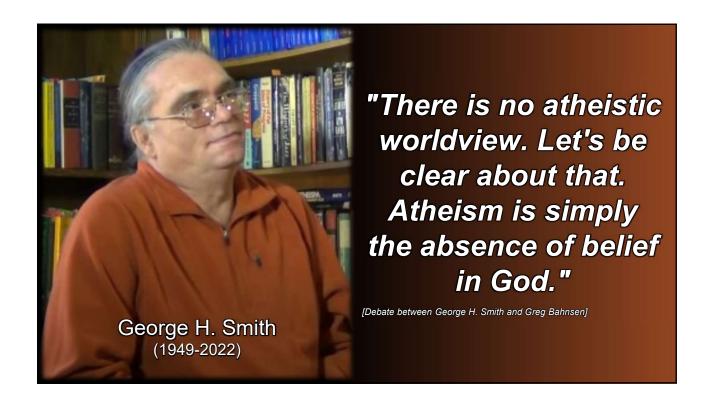


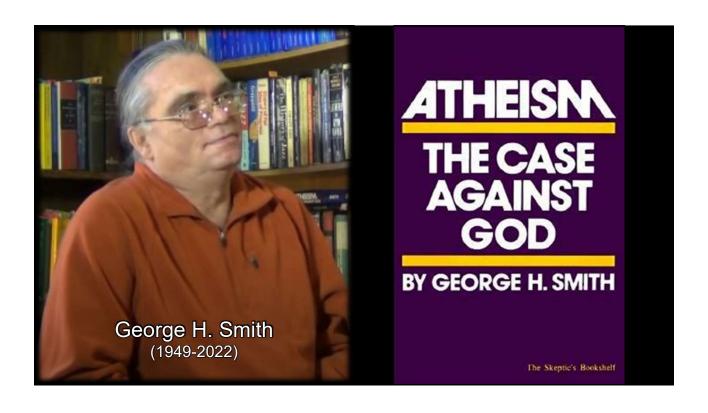


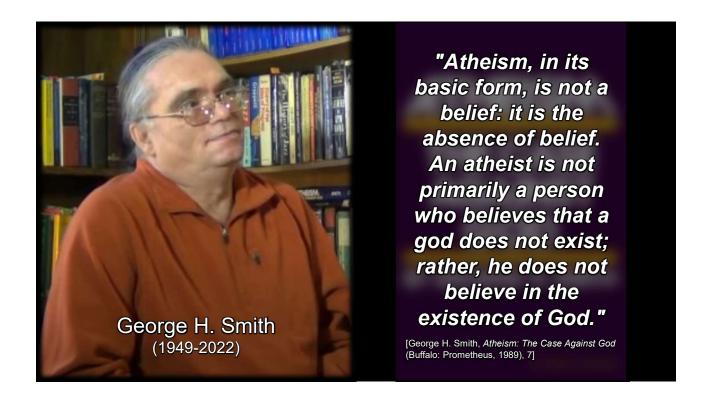


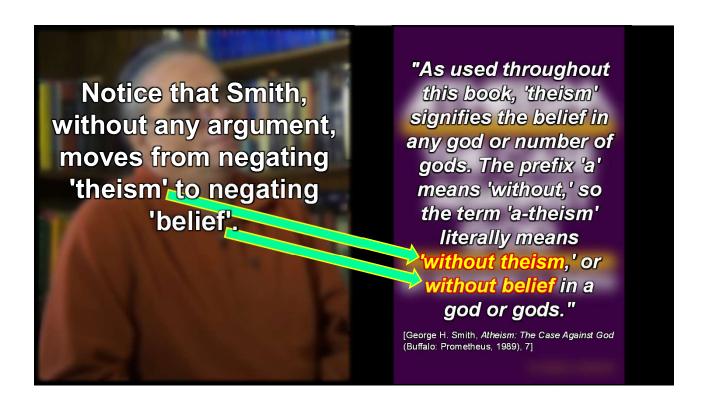


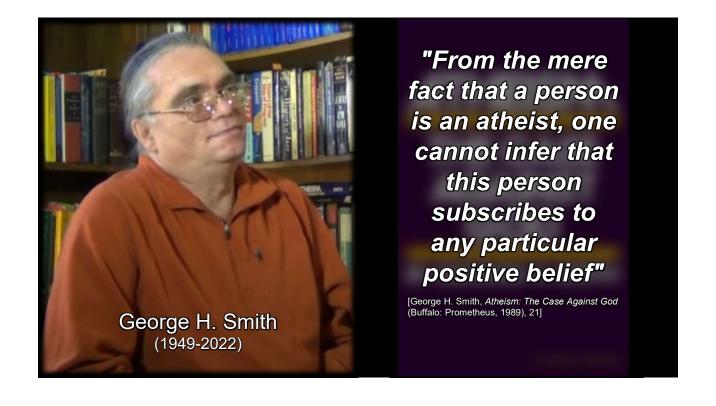


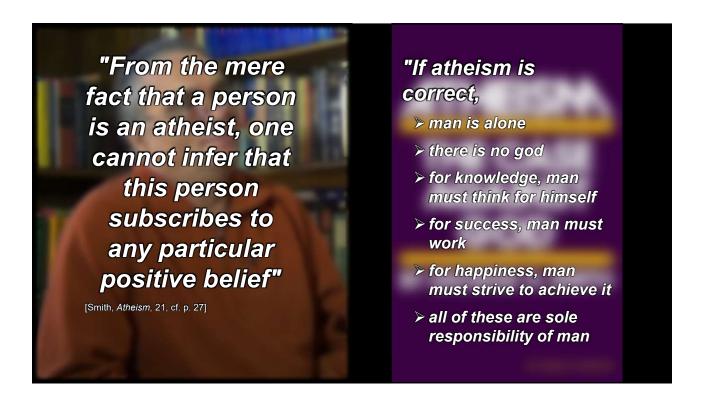


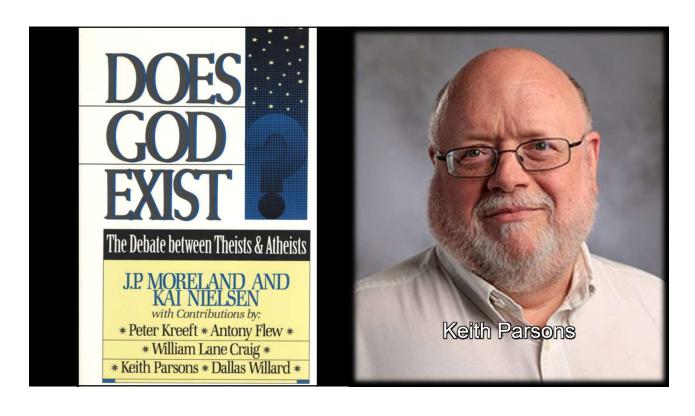


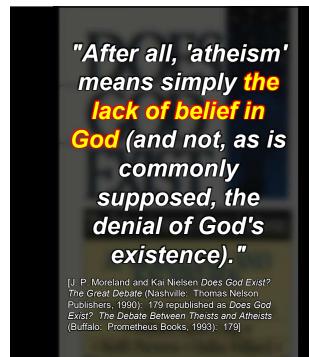




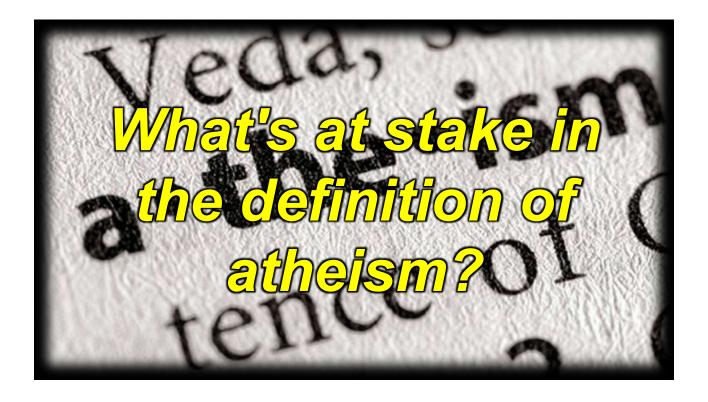


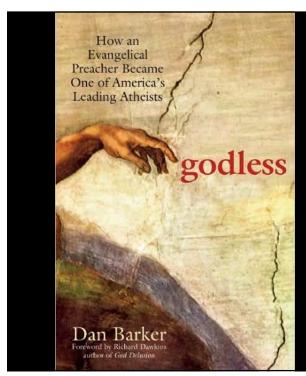


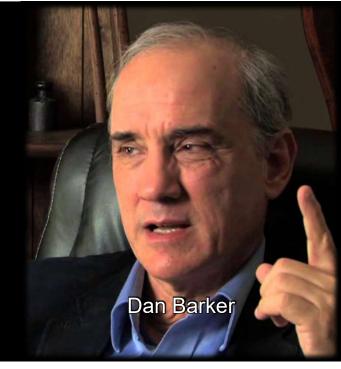


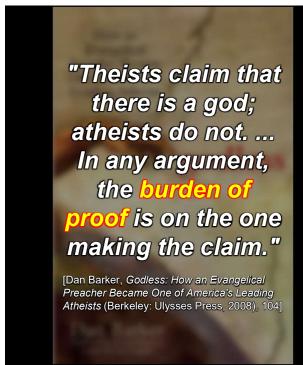


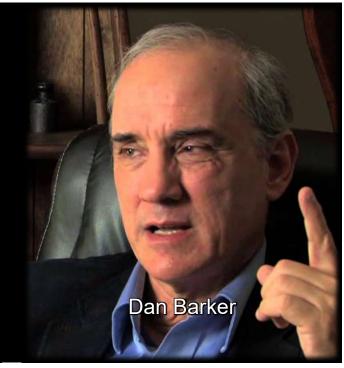




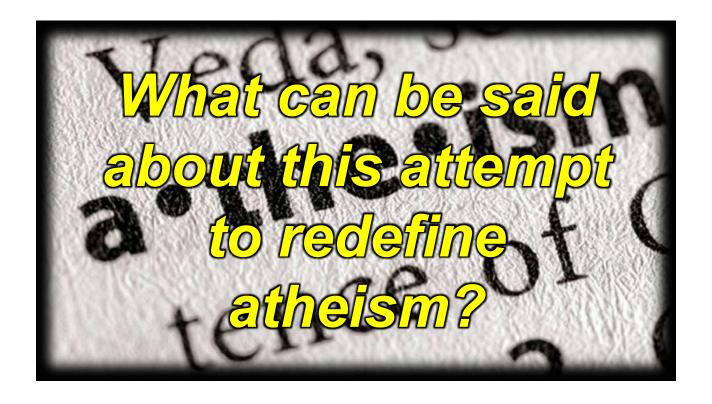


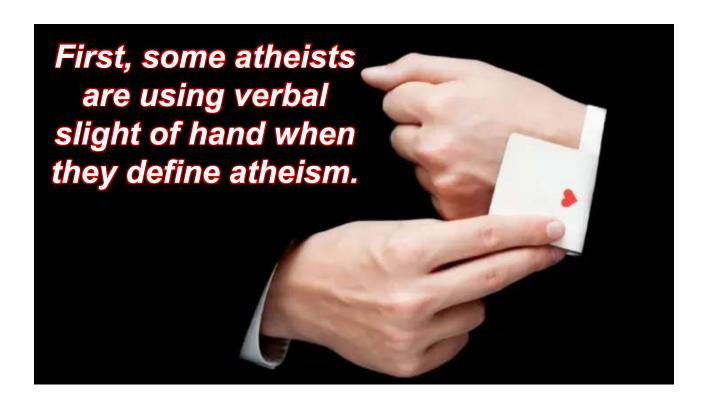


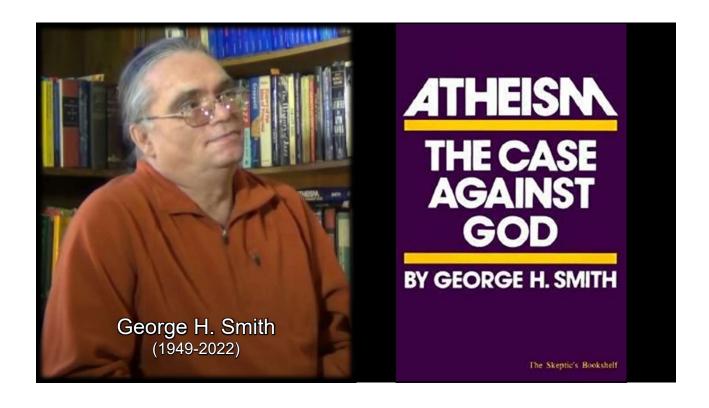




Theists believe in God, The while atheists do not have such a belief. Many theists Atheist insist that it is the Debater's responsibility of the atheist to offer evidence justifying Handbook his lack of belief in God. But is the theist's demand rational? Must the atheist justify his lack of belief in God? Or does the burd st with the theist by B. C. Johnson [B. C. Johnson, The Atheist Debater's Handbook (Buffalo: Prometheus Books, 1983): 11]









"As used throughout this book, 'theism' signifies the belief in any god or number of gods. The prefix 'a' means 'without,' so the term 'a-theism' literally means 'without theism,' or without belief in a god or gods."

[George H. Smith, *Atheism: The Case Against God* (Buffalo: Prometheus, 1989), 7]

Granted that the suffix "ism" constitutes a belief system, Smith still illicitly has the negation "a" negating "belief" rather than negating "God."

Thus, rather than

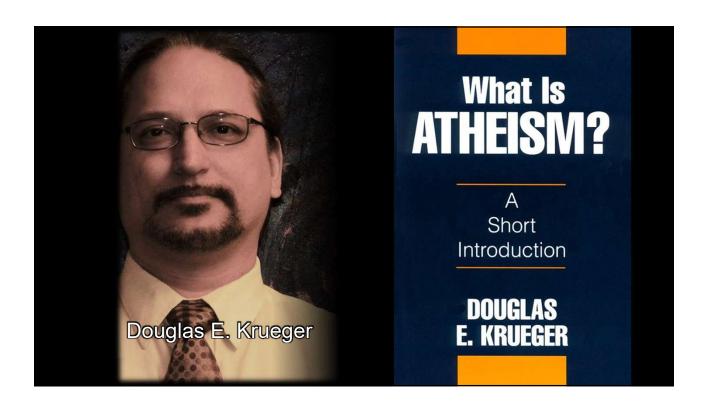
"no belief in a God"

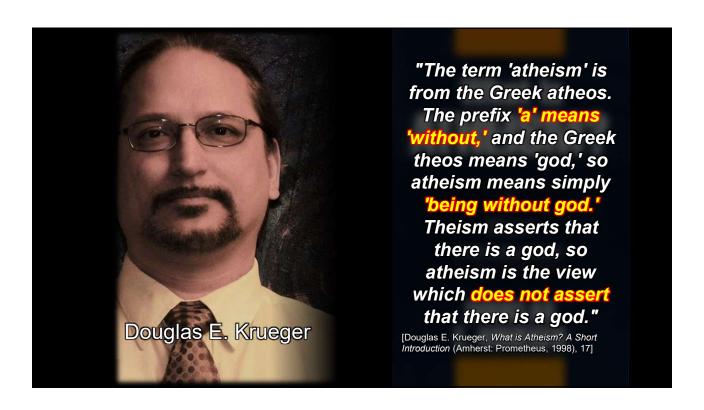
it should be

"a belief in no God."

"As used throughout this book, 'theism' signifies the belief in any god or number of gods. The prefix 'a' means 'without,' so the term 'a-theism' literally means 'without theism,' or without belief in a god or gods."

[George H. Smith, *Atheism: The Case Against God* (Buffalo: Prometheus, 1989), 7]

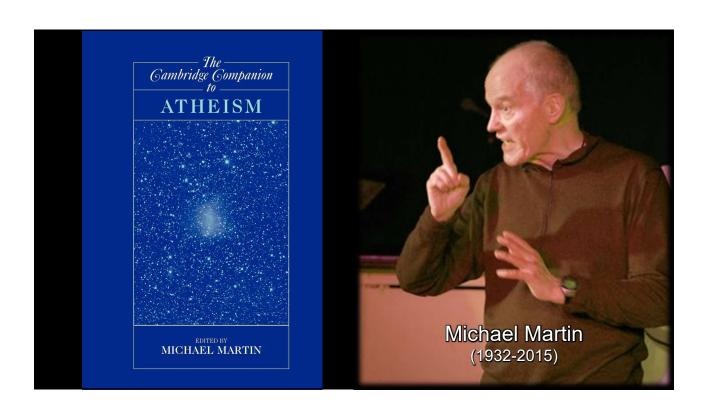




Notice that Krueger moves from the alpha negating 'god' (which would mean 'without god' or 'not-god') to the alpha negating the assertion (which means the absence of the assertion of god instead of the absence of god).

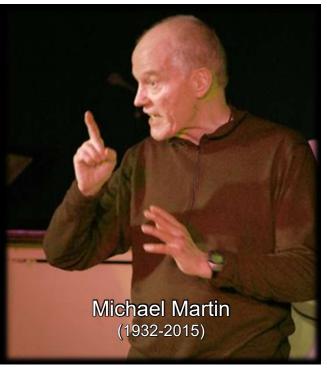
"The term 'atheism' is from the Greek atheos.
The prefix 'a' means 'without,' and the Greek theos means 'god,' so atheism means simply 'being without god,' Theism asserts that there is a god, so atheism is the view which does not assert that there is a god."

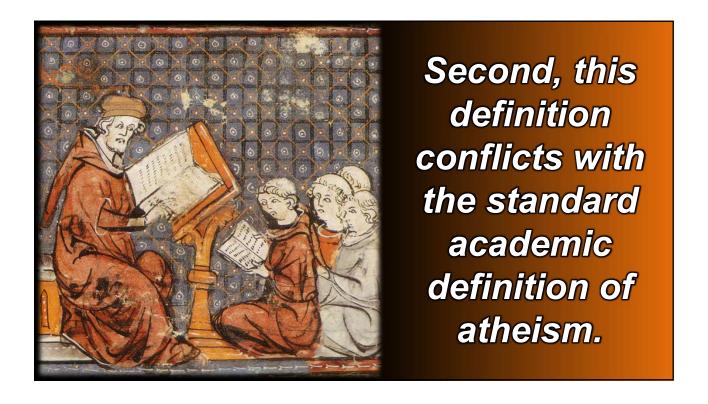
[Douglas E. Krueger, What is Atheism? A Short Introduction (Amherst: Prometheus, 1998), 17]

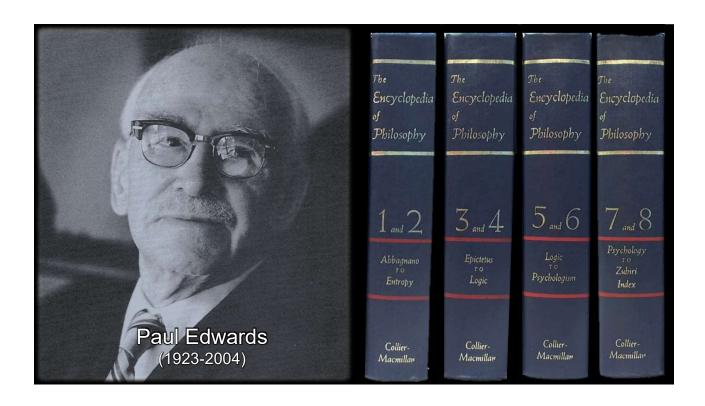


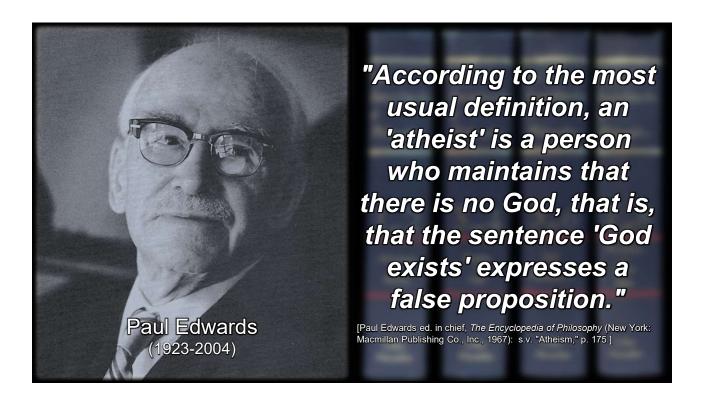
"If you look up 'atheism' in a dictionary, you will find it defined as the belief that there is no God. Certainly, many people understand 'atheism' in this way. Yet this is not what the term means if one considers it from the point of view of its Greek roots. In Greek 'a' means 'without' or 'not' and 'theos' 'god.' From this stand point, an atheist is someone without a belief in God; he or she need not be someone who believes that God does not exist."

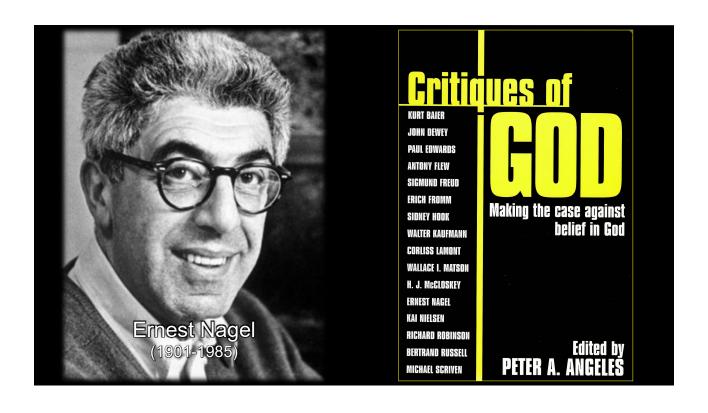
[n.a., "General Introduction," in *The Cambridge Companion to Atheism* (Cambridge: Cambridge University Press, 2007), 1]

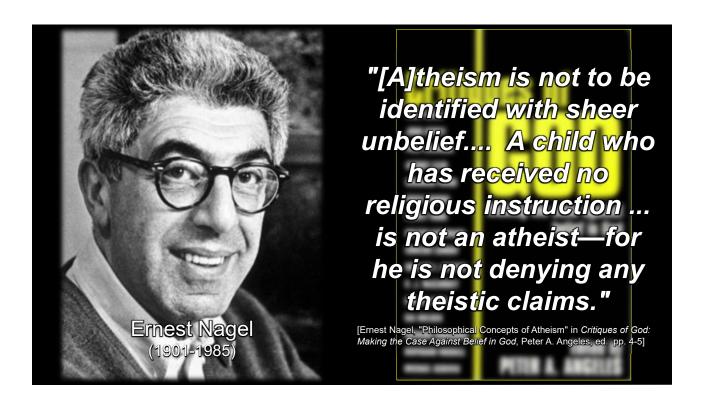


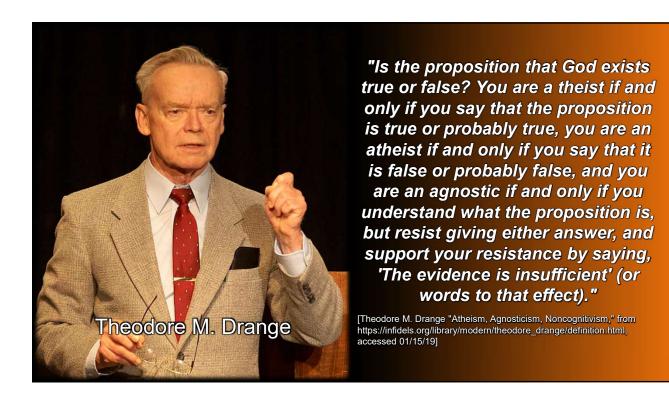


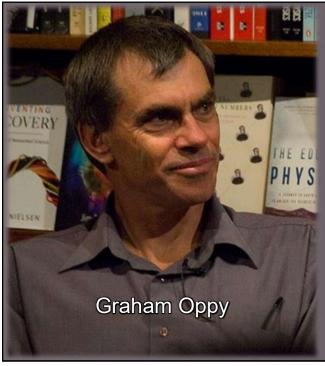






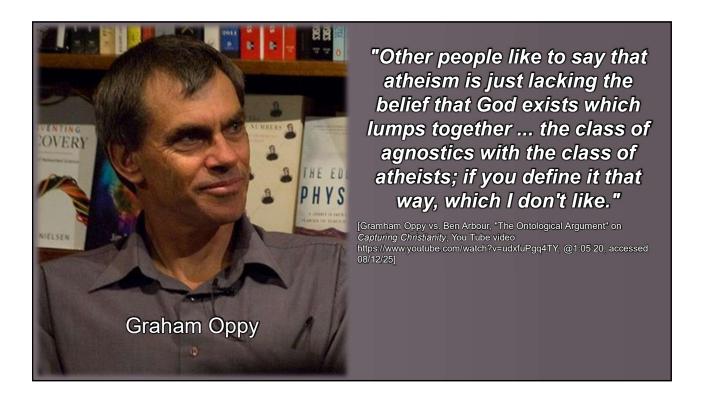


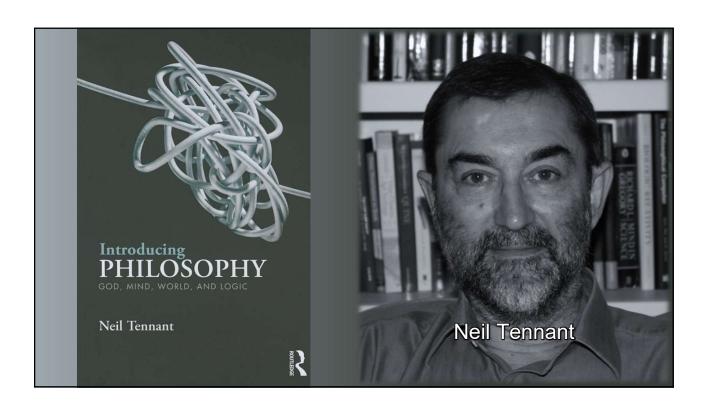


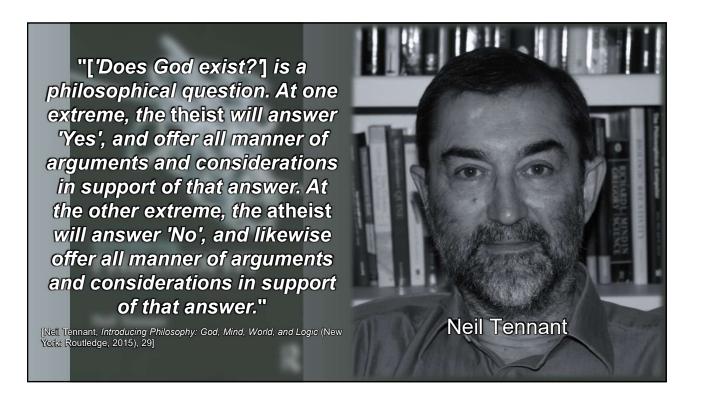


"Properly, we should define theism as the view that there's at least one god and atheism as the view that there are no gods, and monotheism then as the view that there is exactly one God and we call that one God with a capital 'G'. Atheists then are people who believe that there are no gods and particular in our context, they believe that God doesn't exist.

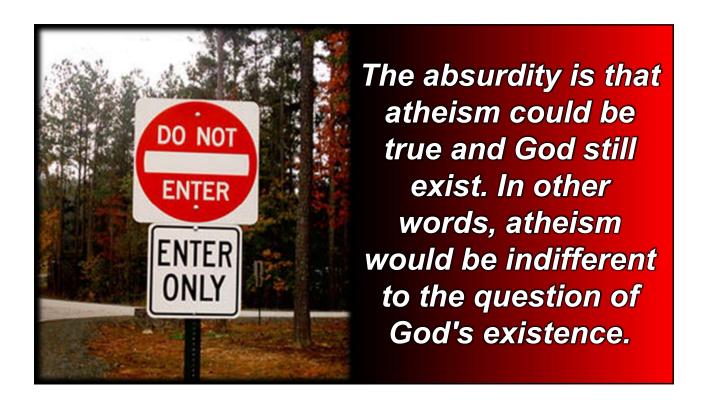
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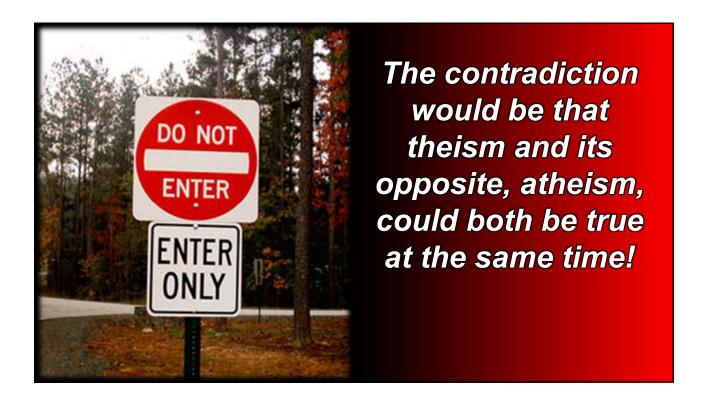


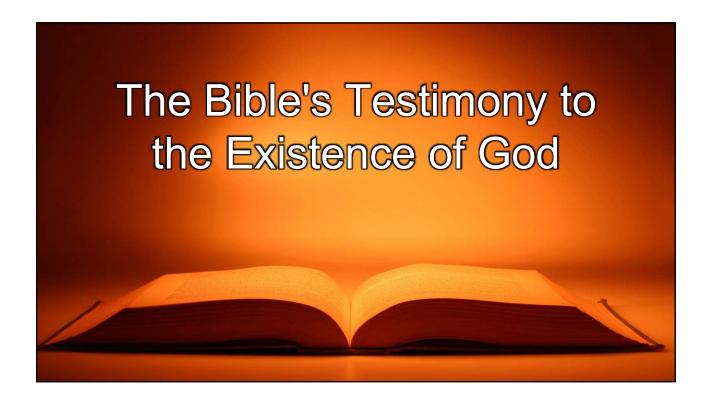


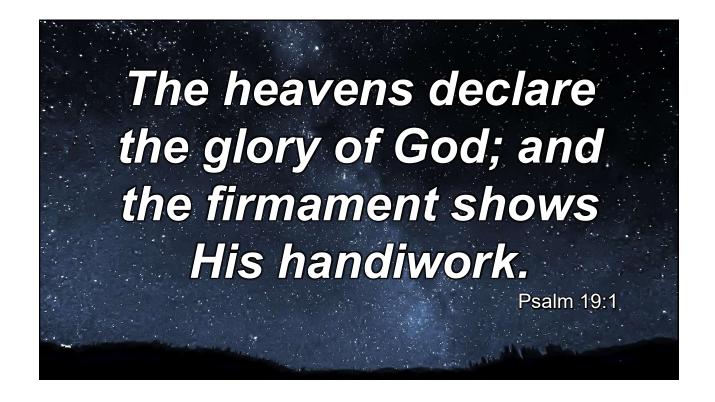


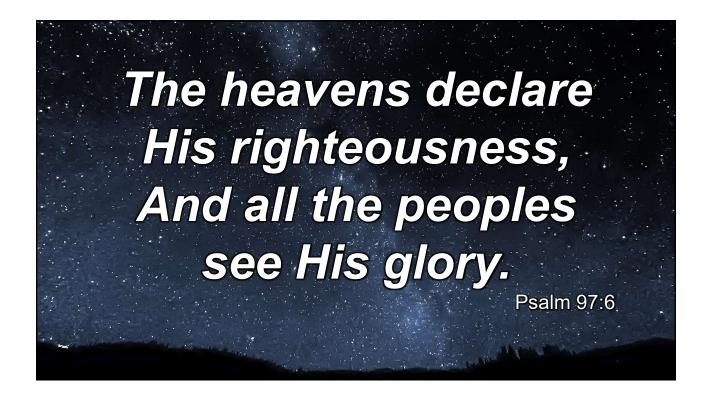


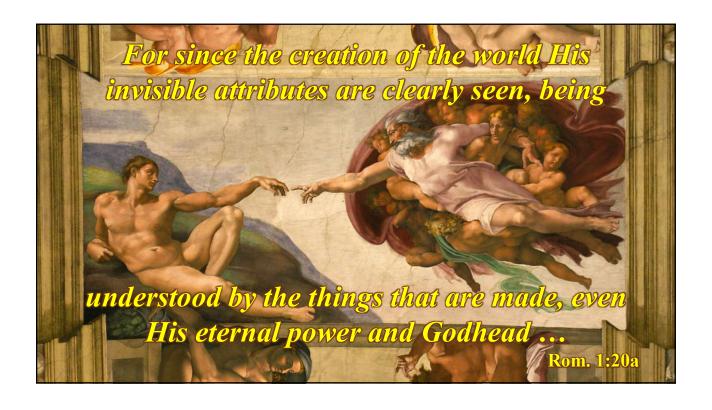


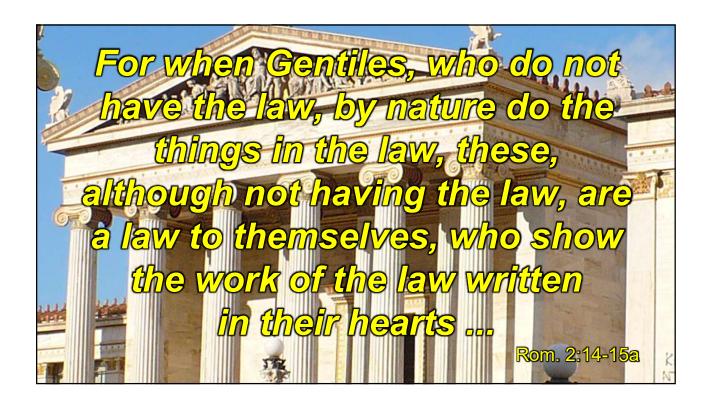


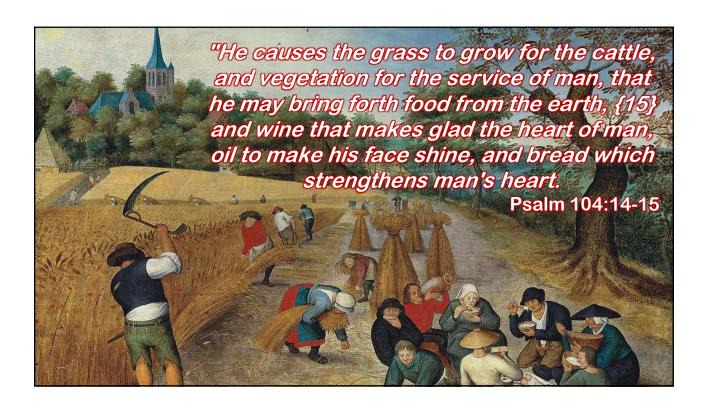


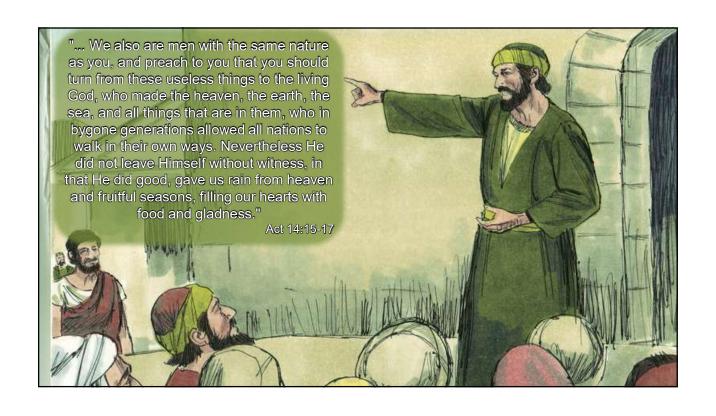


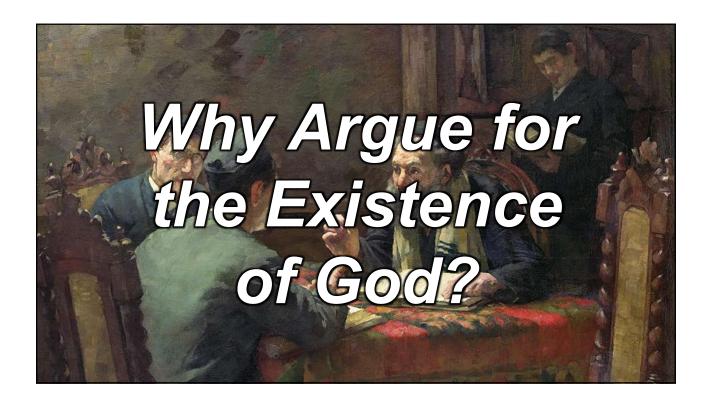










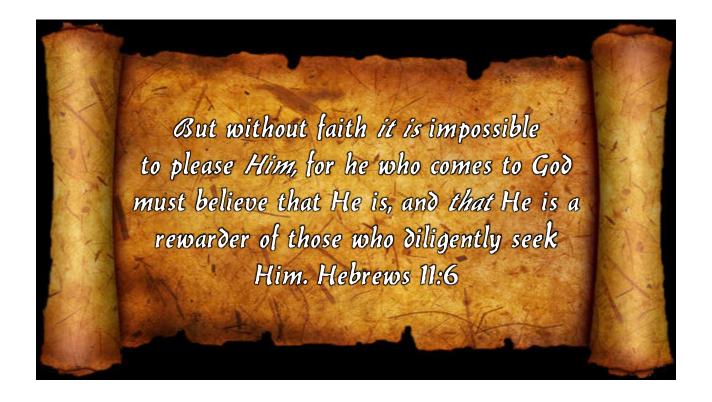


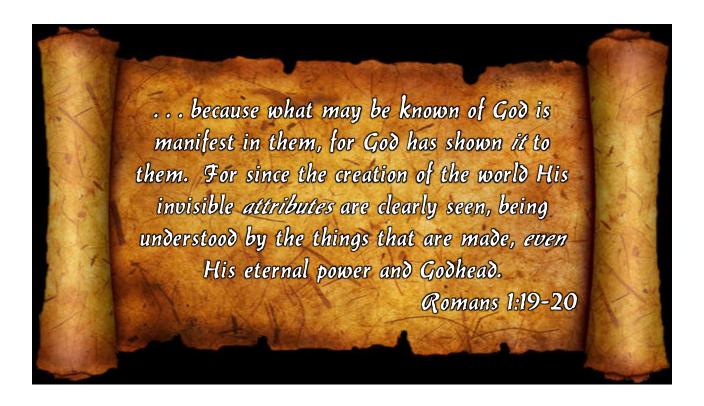
## **≫Belief in God and Eternal Life**≪

You can't argue someone into faith in Christ.

Belief in God is a necessary but not sufficient condition for salvation.

One can be lost and still believe in God's existence, but one cannot get saved without believing in God's existence.



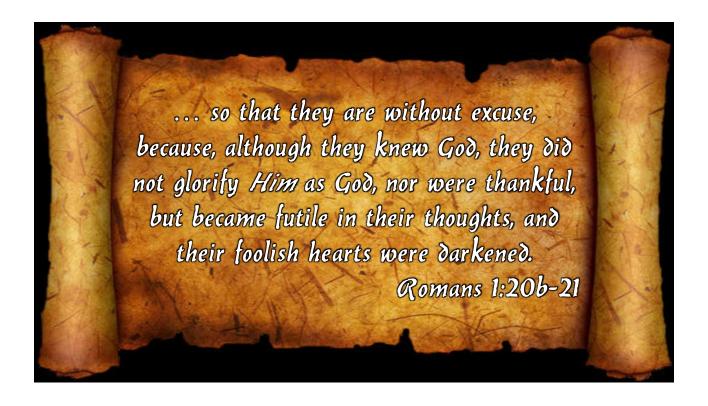


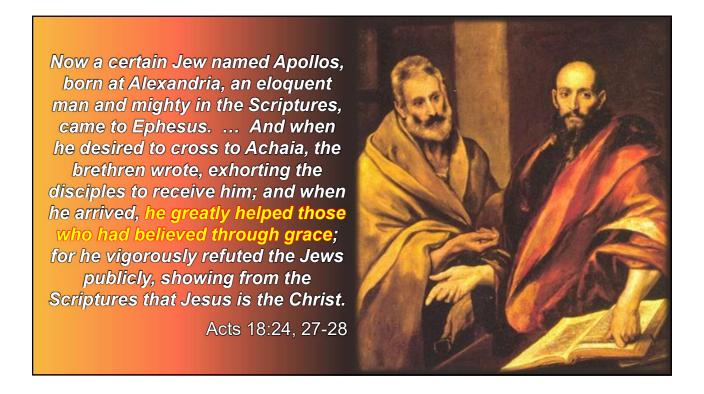
## **≫Belief in God and the Evidence**≪

God may use the evidence to bring some to believe that God exists.

Evidence can expose the fact that, for some, the problem of unbelief is not a matter of their intellect.

Evidence can help strengthen the faith of those who already believe.





## **≫Belief in God and the World**≪

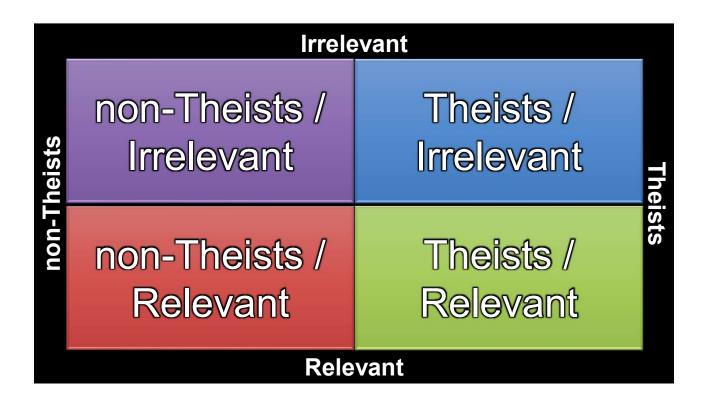
Belief in God is virtually universal geographically (all over the world) and chronologically (throughout all time).
This does not prove that God exists, but it may be an indicator that God exists.

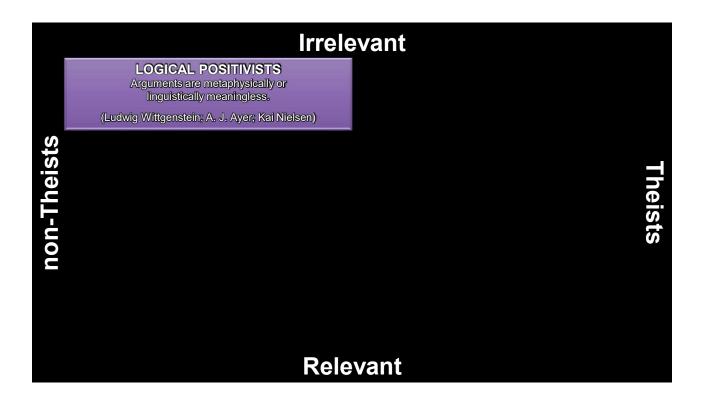


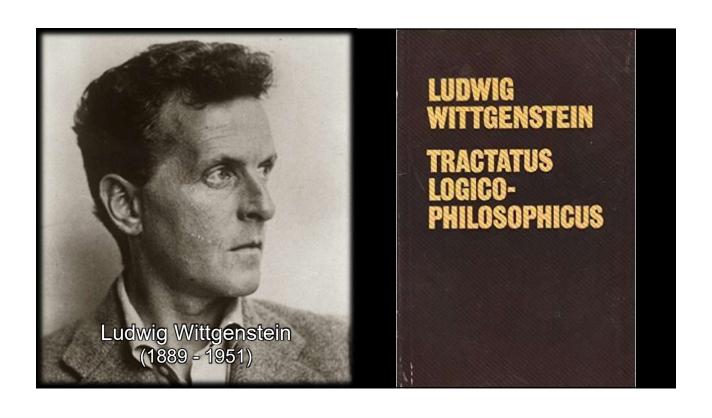
## Positions on Arguments for God's Existence

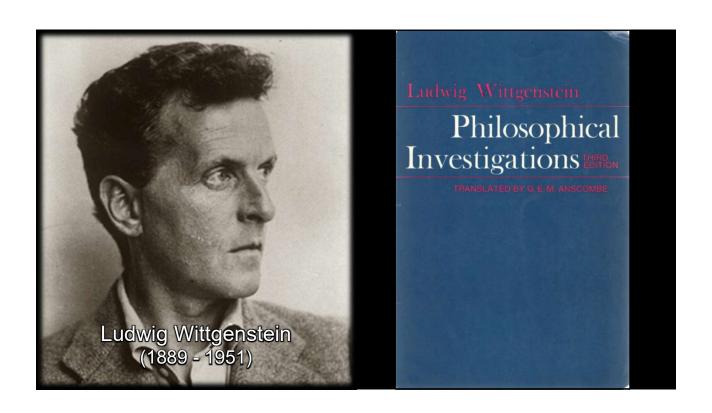
Perhaps it is not surprising that there are different views on whether or how there is any relevance for the arguments for the existence of God. It might be surprising to some, however, that the different views do not fall along the lines of theists and non-theists.

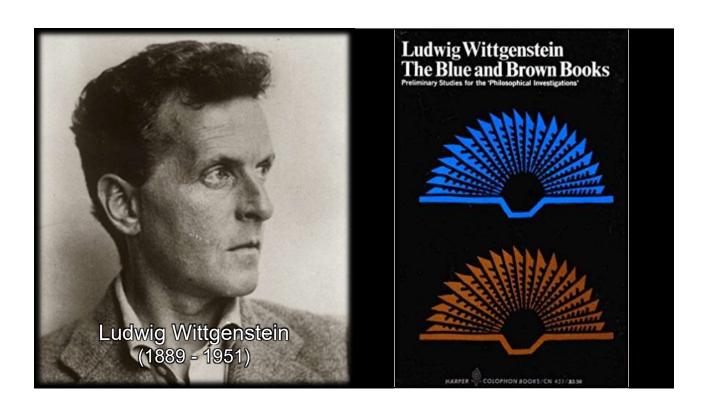
In combining the options of theists and non-theists together with the options of relevant and irrelevant we get these results.

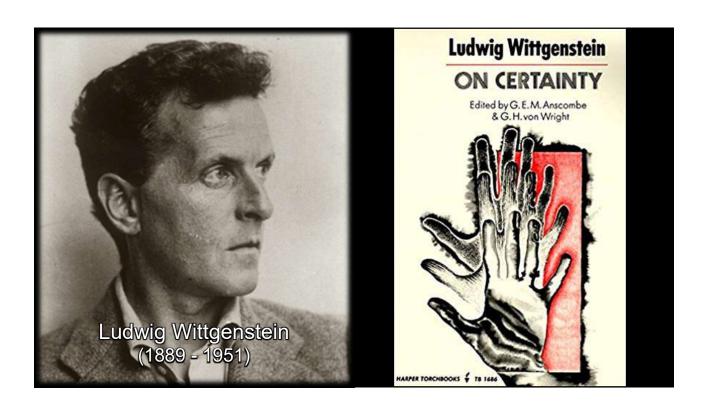


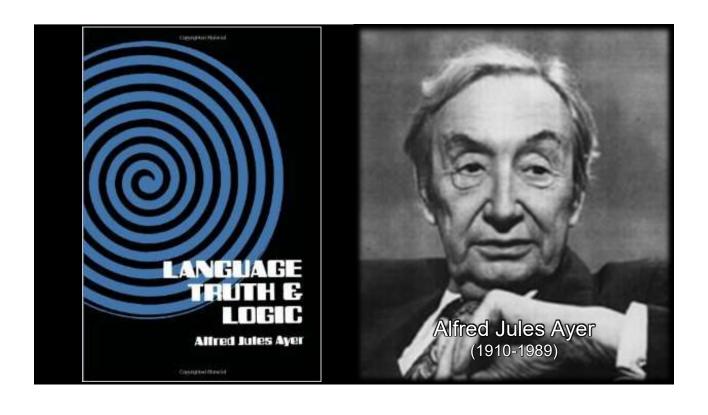


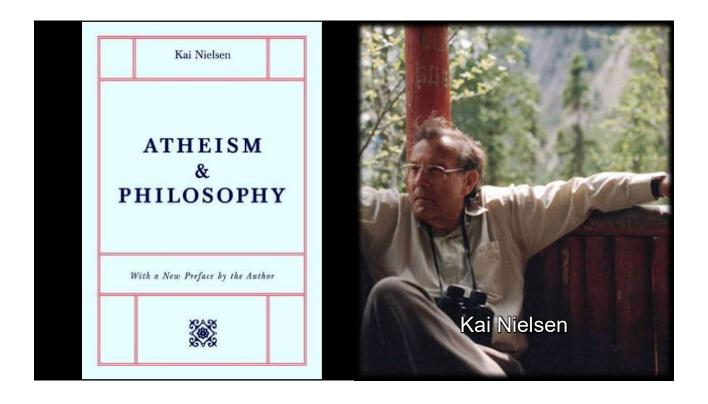


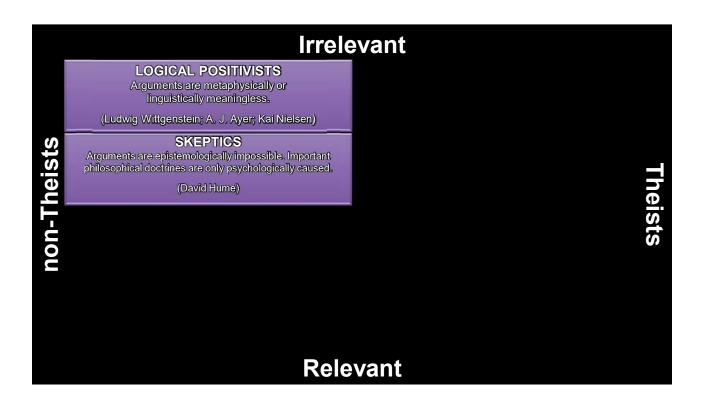


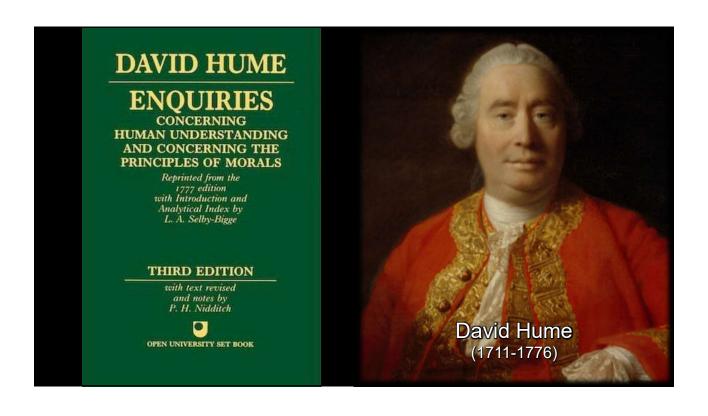


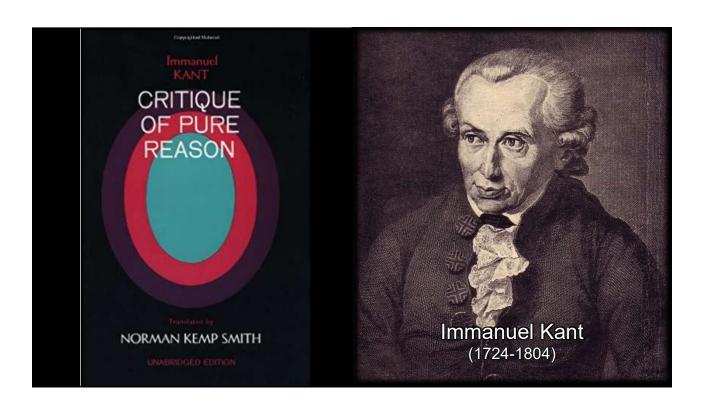


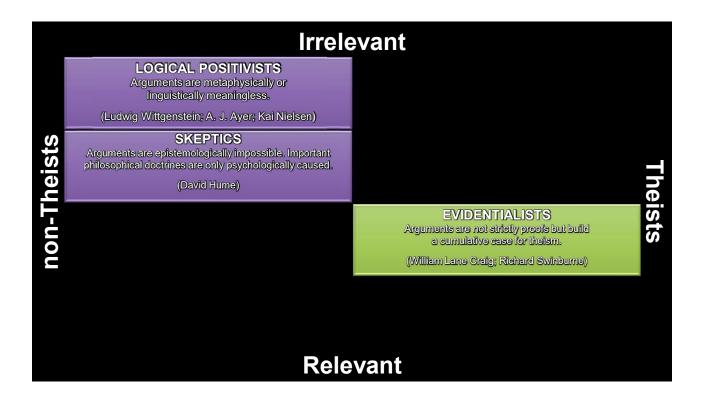


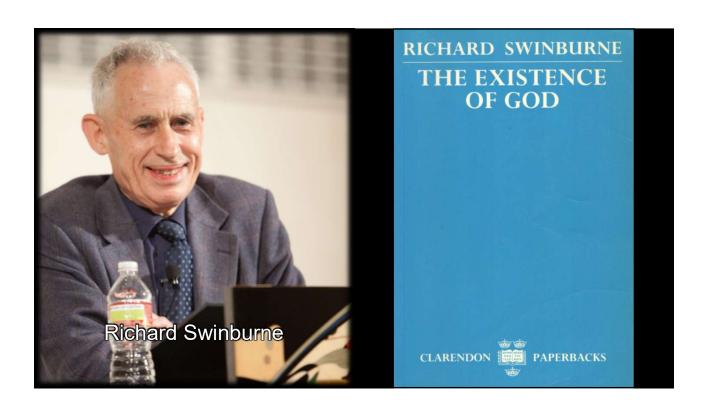


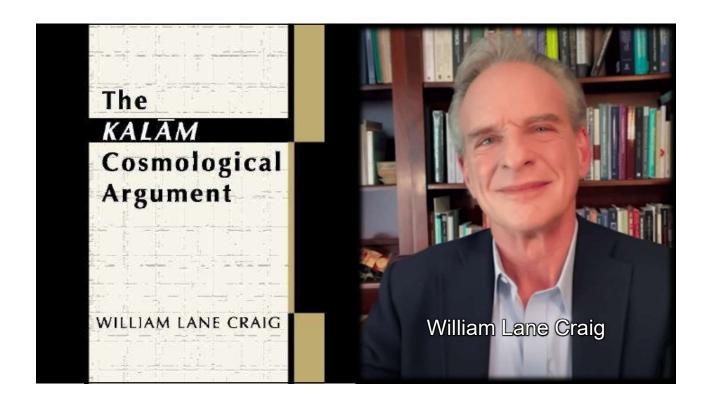


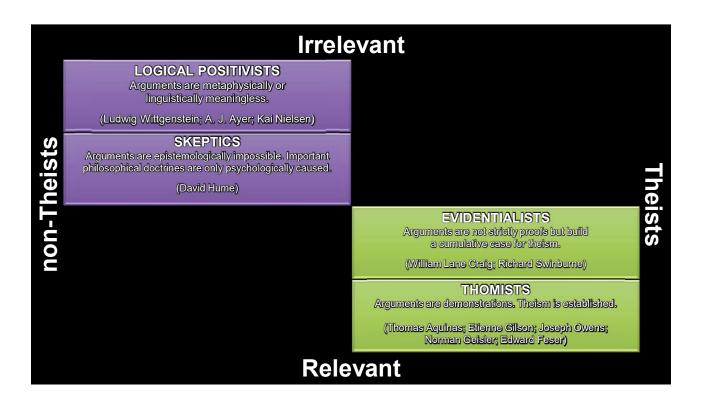


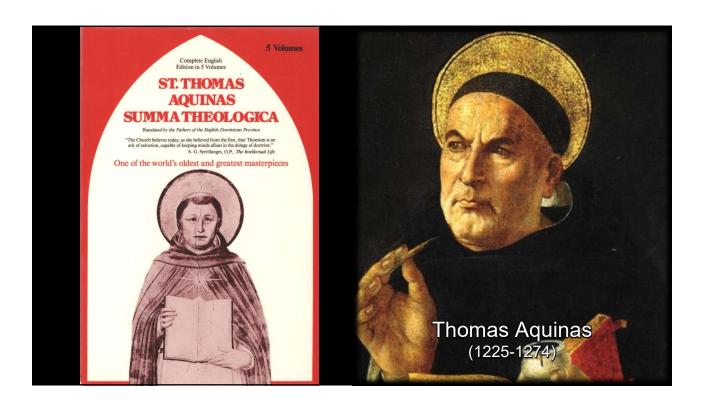


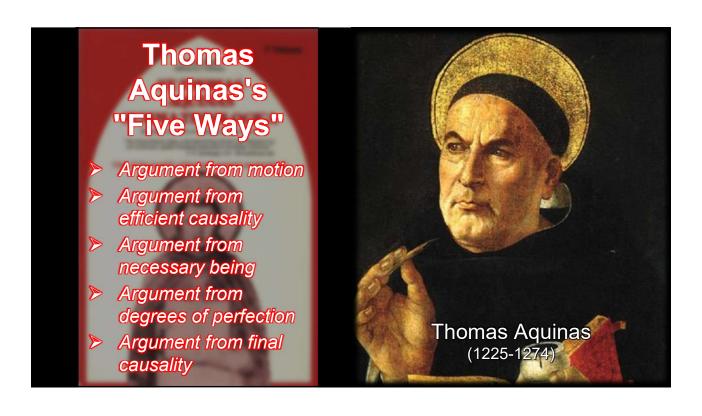


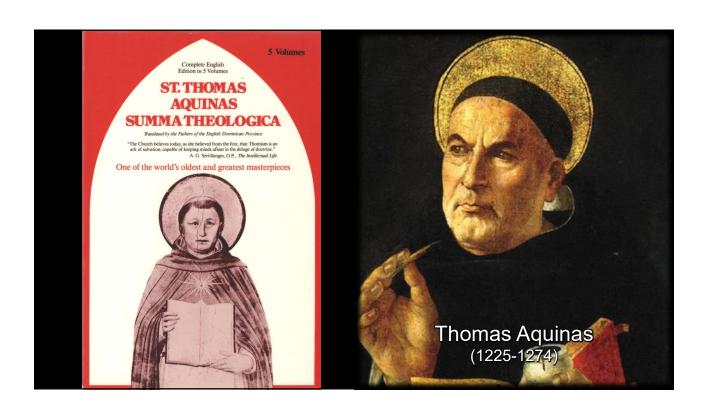


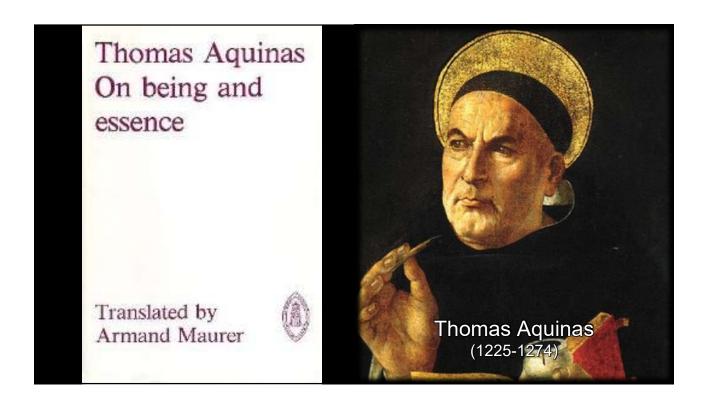




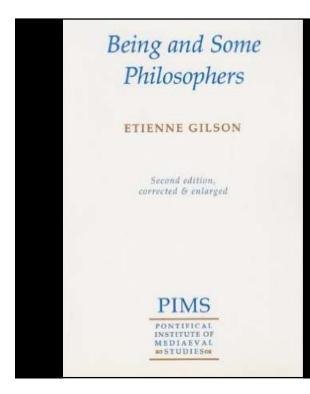


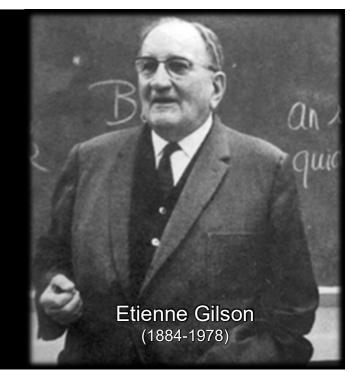


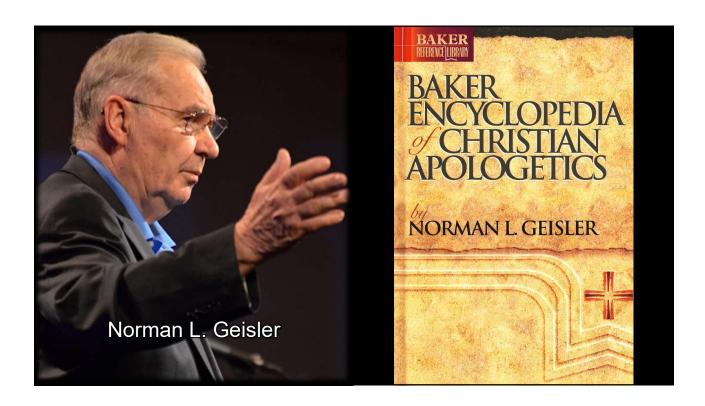


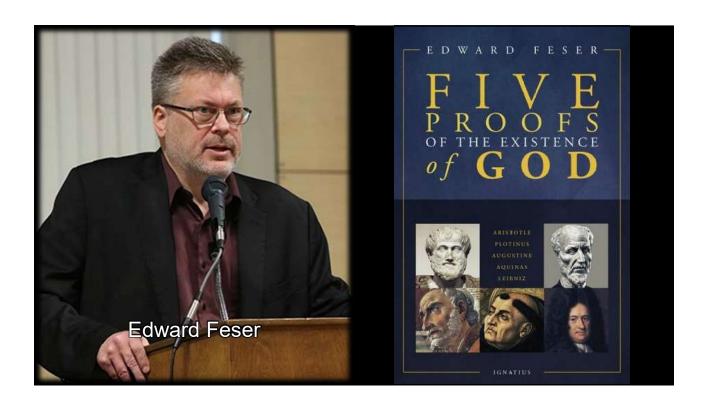


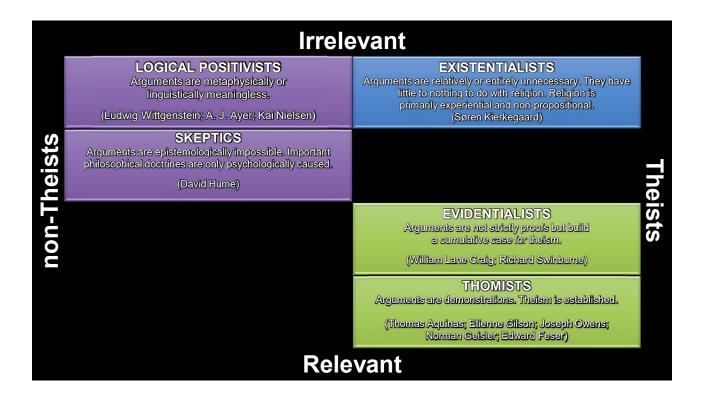


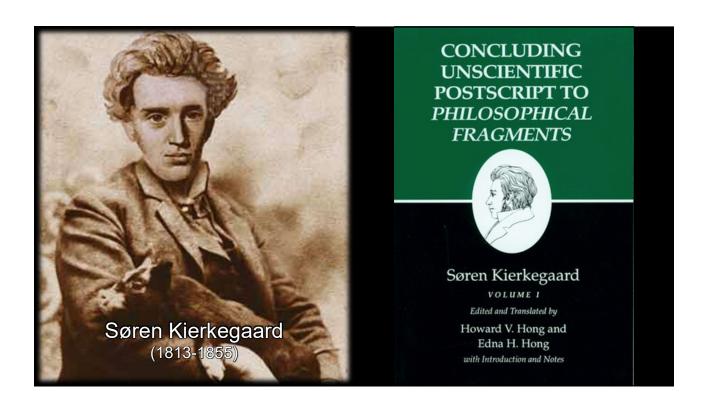


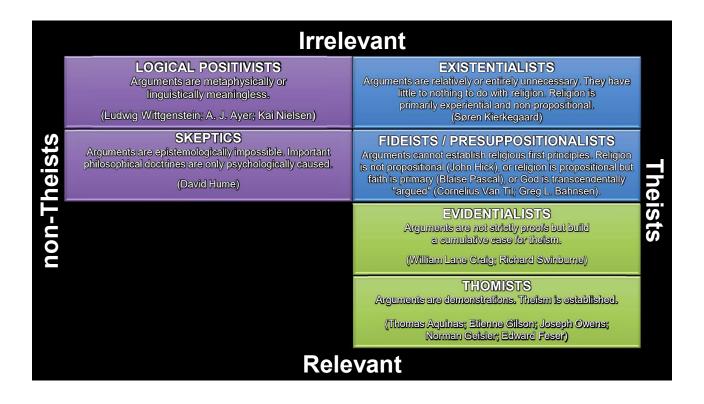


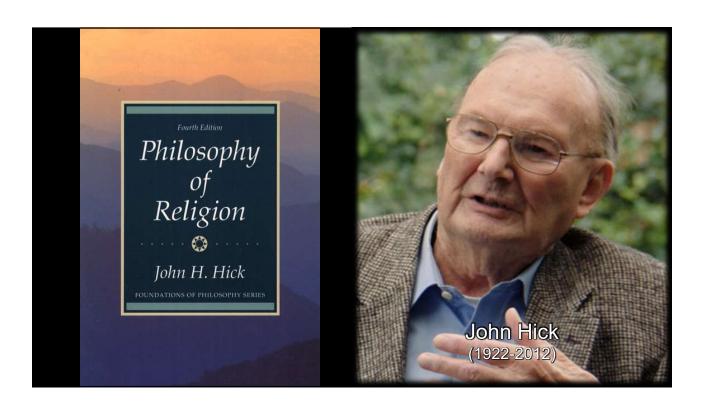


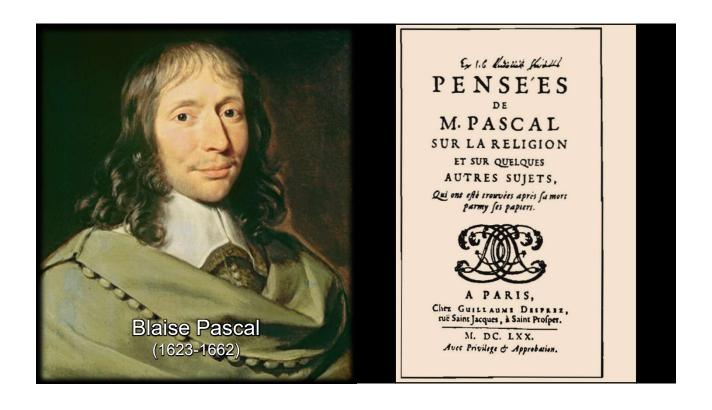


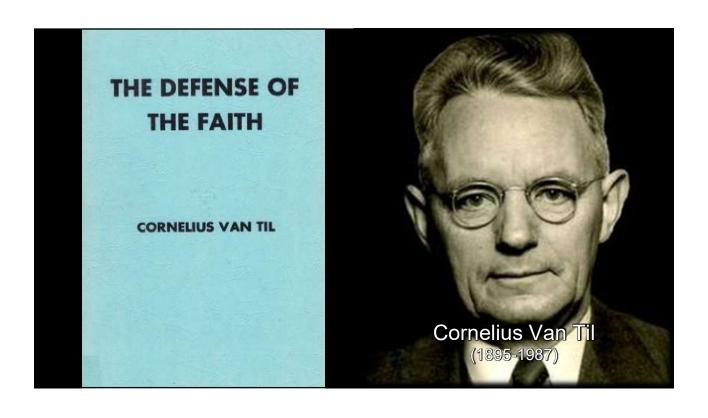


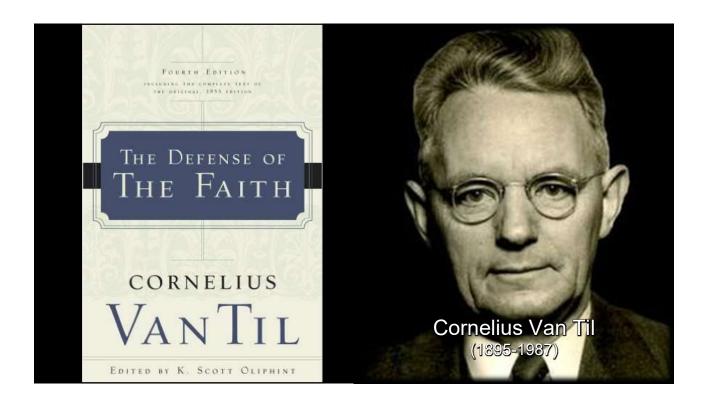




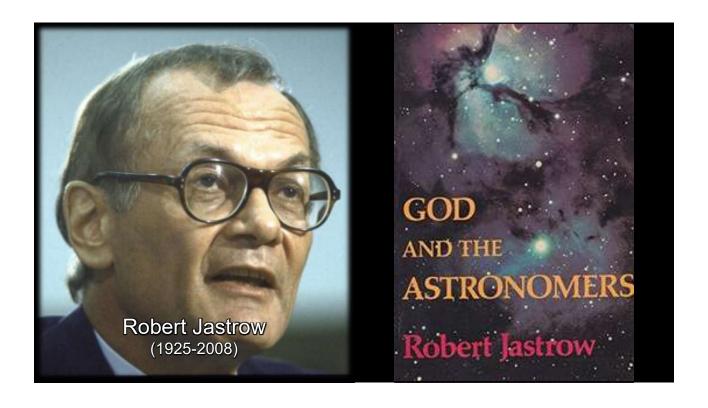




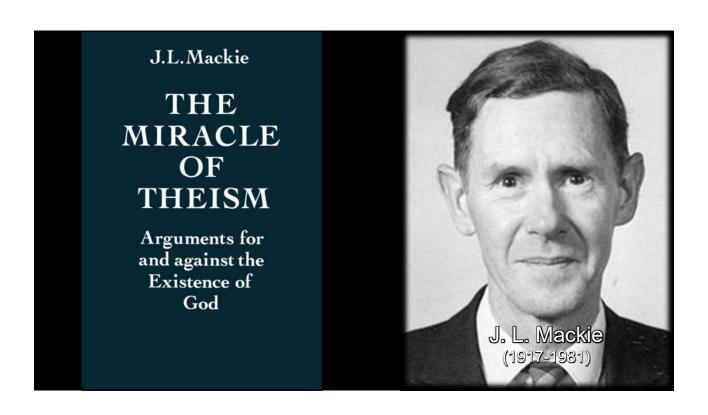


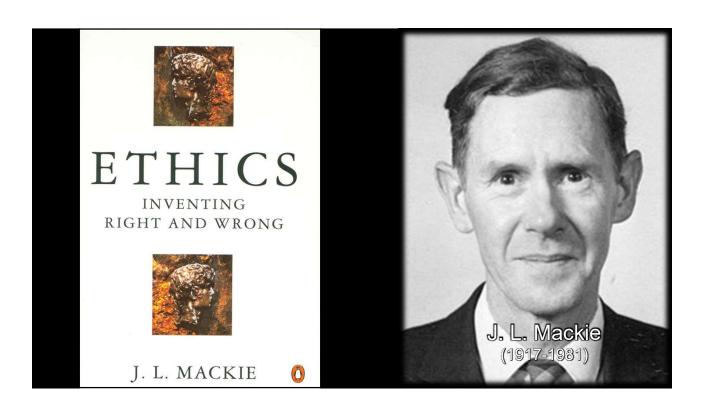


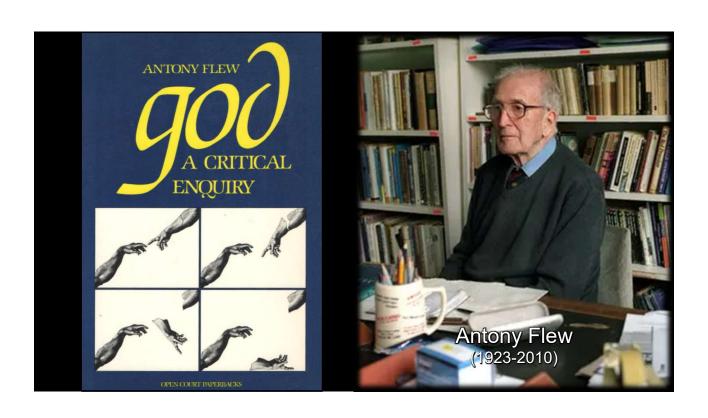
	Irrelevant		
	LOGICAL POSITIVISTS  Arguments are metaphysically or linguistically meaningless.  (Ludwig Wittgenstein; A. J. Ayer; Kai Nielsen)	EXISTENTIALISTS  Arguments are relatively or entirely unnecessary. They have little to nothing to do with religion. Religion is primarily experiential and non-propositional. (Søren Kierkegaard)	
on-Theists	SKEPTICS Arguments are epistemologically impossible. Important philosophical doctrines are only psychologically caused. (David Hume)	FIDEISTS / PRESUPPOSITIONALISTS Arguments cannot establish religious first principles. Religion is not propositional (John Hick), or religion is propositional but faith is primary (Blaise Pascal), or God is transcendentally "argued" (Cornelius Van Til; Greg L. Bahnsen).	
T-uot	AGNOSTICS  Not all of the evidence is in. Theism may be established with further proof.  (Robert Jastrow; Anthony Kenny)	EVIDENTIALISTS  Arguments are not strictly proofs but build a cumulative case for theism.  (William Lane Craig; Richard Swinburne)	
	(Robert Jastiow, Antifolity Reliny)	THOMISTS Arguments are demonstrations. Theism is established. (Thomas Aquinas; Etlenne Cilson; Joseph Owens;	
Norman Geisler; Edward Feser)  Relevant			

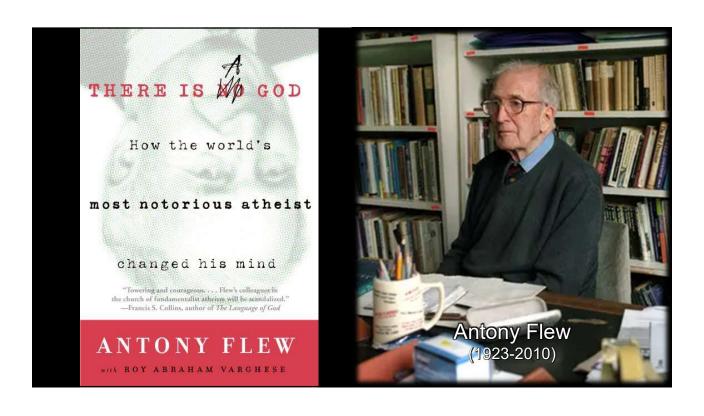


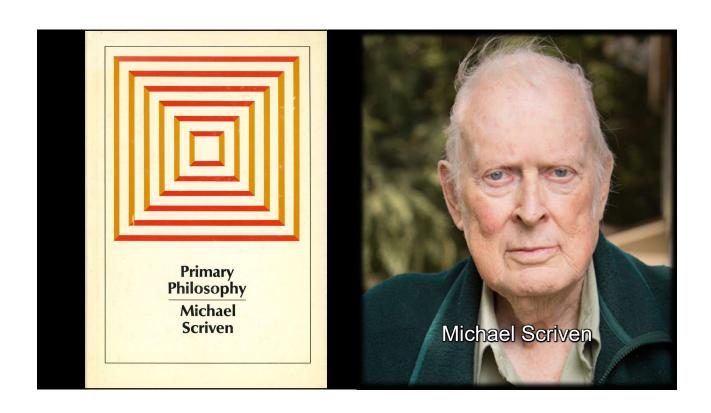
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ATHEISTS  Arguments surface important philosophical issues. The evidence proves atheism. (J. L. Mackie; early Antony Flew; Michael Scriven, Theodore Drange; Michael Martin)	THOMISTS  Arguments are demonstrations. Theism is established.  (Thomas Aquinas; Etienne Gilson; Joseph Owens; Norman Gelster; Edward Feser)	
Relevant		

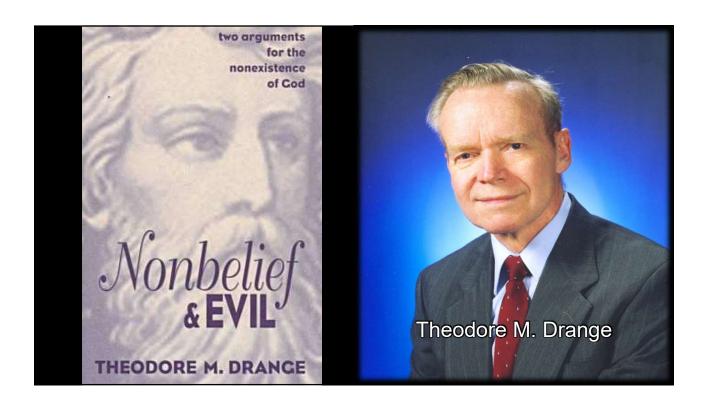


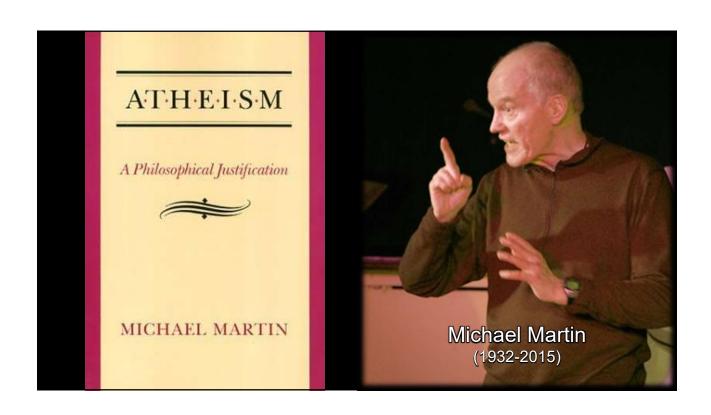


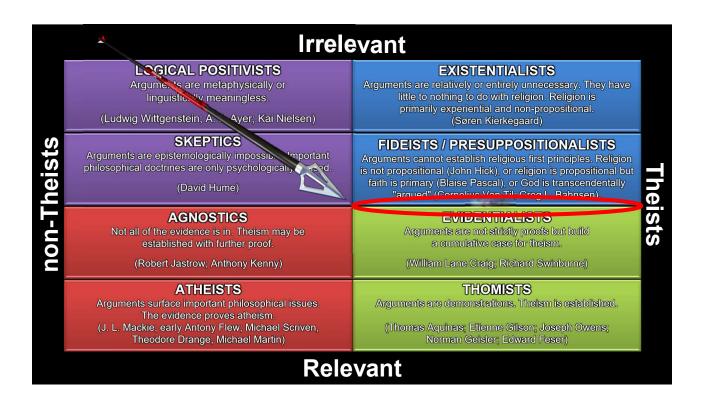


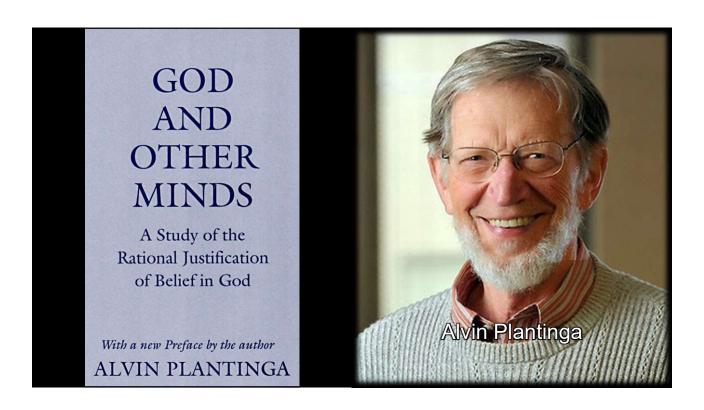


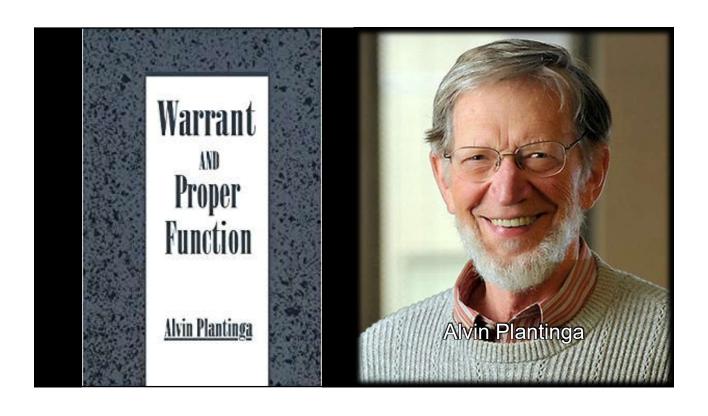


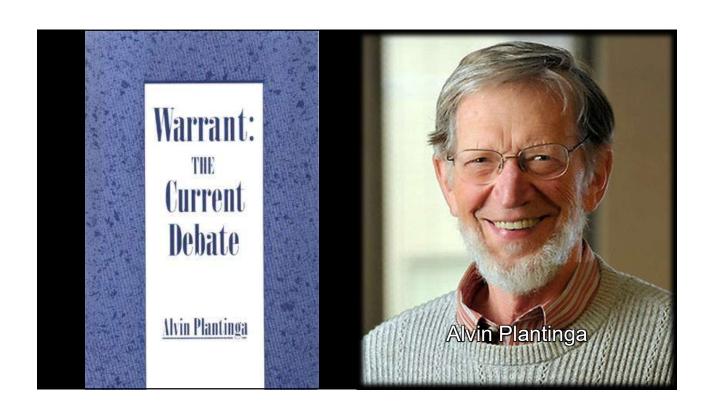


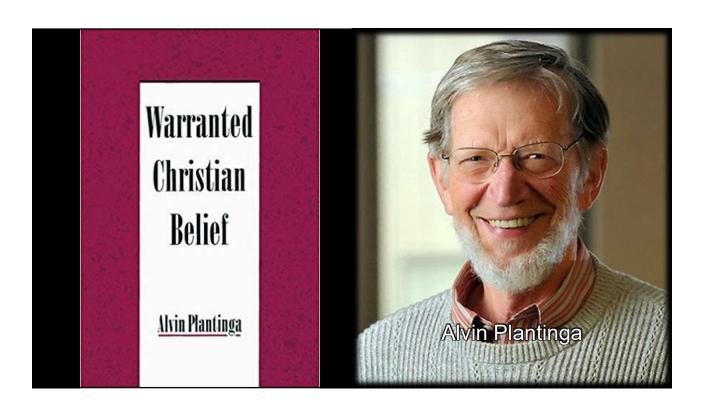


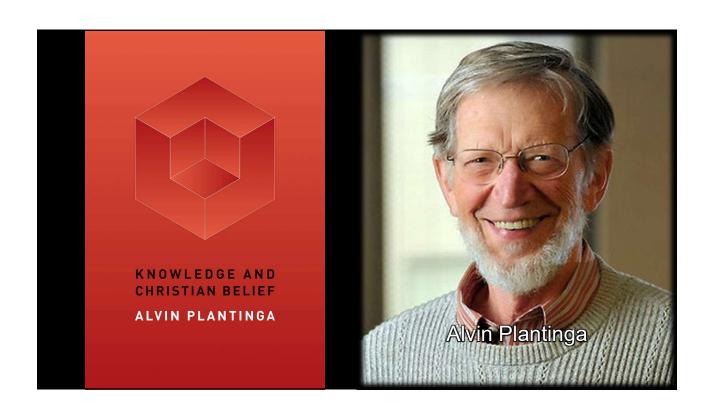












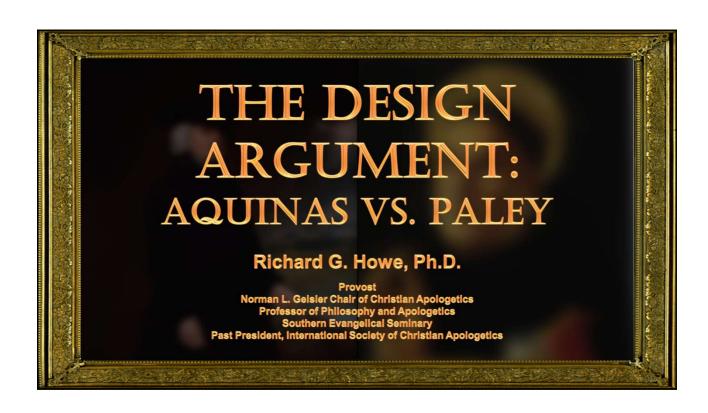


COSMOLOGICAL: based on the existence of the universe (cosmos)

DESIGN: based on the orderly or organized aspects of the universe; largely scientific evidence

TELEOLOGICAL: based on the directedness (teleology) of natural objects; philosophical evidence





COSMOLOGICAL: based on the existence of the universe (cosmos)

**DESIGN**: based on the orderly or organized aspects of the universe; largely scientific evidence

TELEOLOGICAL: based on the directedness (teleology) of natural objects; philosophical evidence

ONTOLOGICAL: based on the concept of God as the greatest conceivable being

MORAL: based on the existence of moral truths

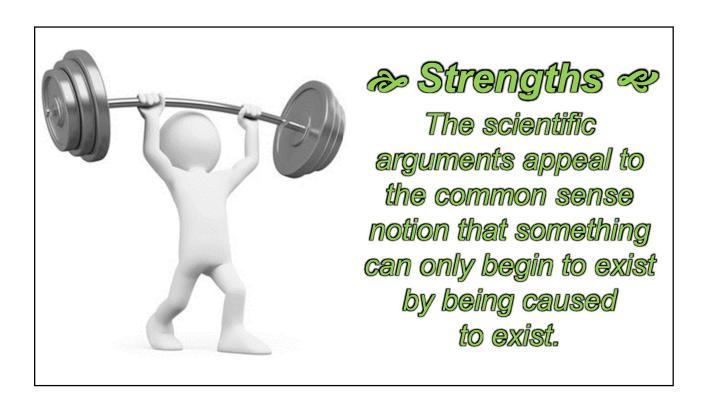


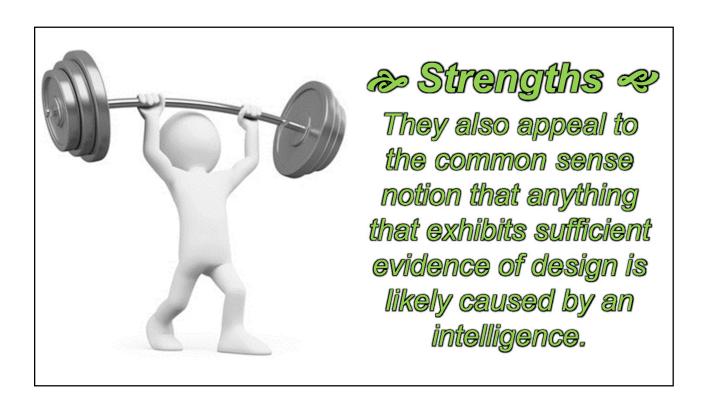
- ❖ God as the cause of the beginning of the universe (i.e., the coming into existence of the universe): Scientific
- God as the cause of the current existing of the universe: Philosophical
- ❖ God as the cause of the design of the universe: Scientific
- God as the cause of the teleology of the universe: Philosophical

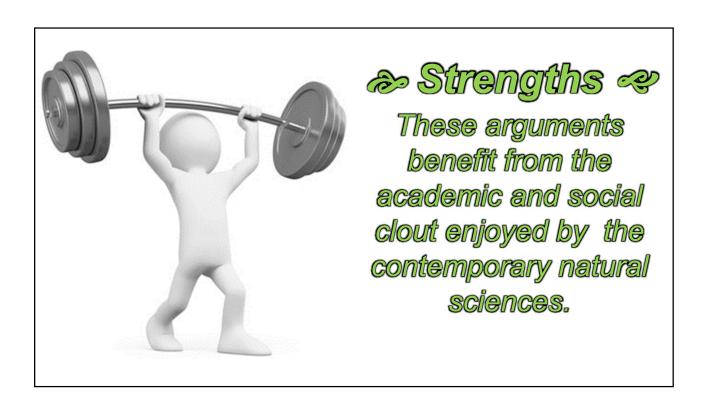
Generally, the arguments utilizing the scientific evidence take the form of an "argument to the best explanation."

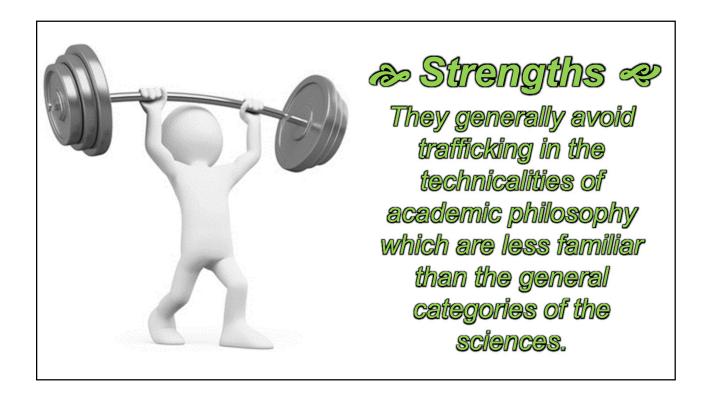
In contrast, the arguments utilizing the philosophical "evidence" seek to show how the existence of God (together with the classical attributes of God) follow inexorably from the basic tenets of metaphysics.

Strengths & Weaknesses of the Scientific Arguments











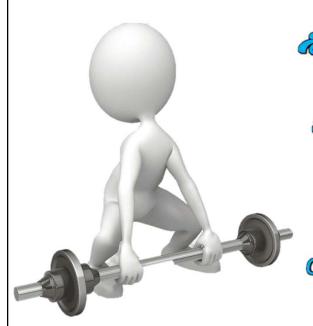
## & Weaknesses &

Without further arguments, the scientific arguments do not demonstrate that the cause of the universe still exists.



#### *>* Weaknesses <

Without further arguments, they do not demonstrate that the cause of the universe is God (i.e., that the cause has the attributes of classical theism).



#### *>* Weaknesses <

Without further arguments, they do not demonstrate that the cause of the universe is God (i.e., that the cause has the attributes of classical theism).



#### *>* Weaknesses <

Without further arguments, they do not demonstrate that the cause of the universe is good (even apart from the other attributes of classical theism).



### & My Weaknesses «

Certain aspects of the science are disputed.

Such disputes can invariably get technical and, thus, are beyond the knowledge of the non-scientist like me.

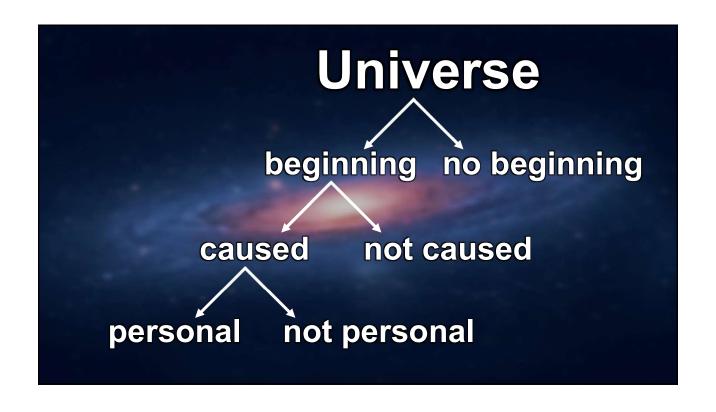


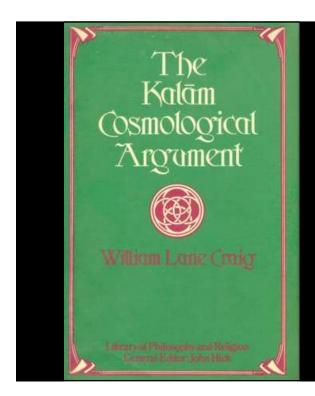
## & My Weaknesses «

Granted, certain aspects of the philosophy are disputed as well.

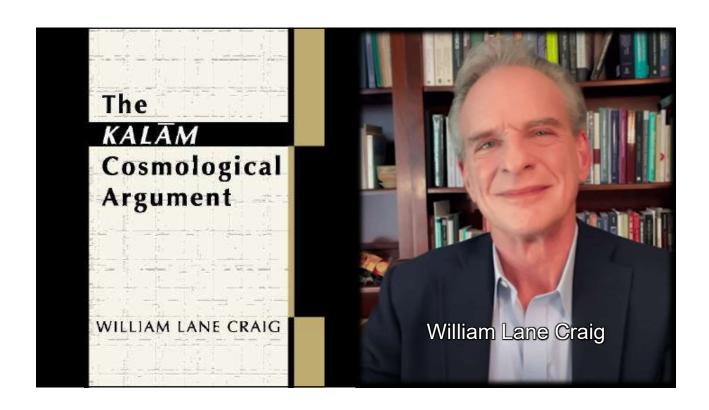
However, as a philosopher, I am more accustom to engaging the issue philosophically rather than scientifically.

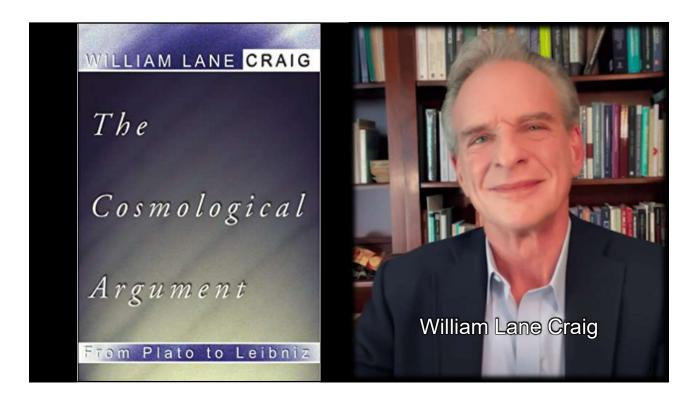
# God as the Cause of the Beginning of the Universe





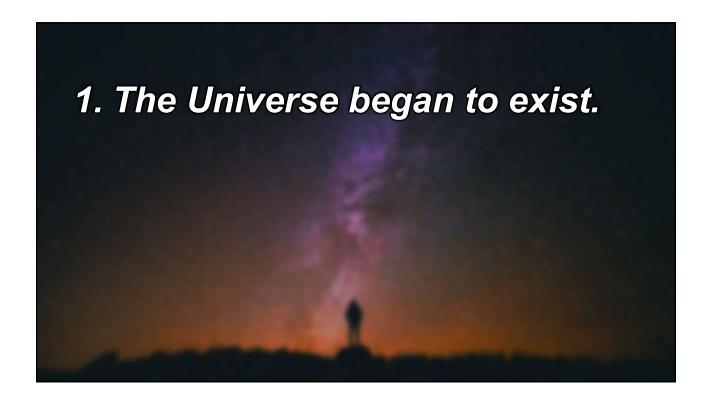


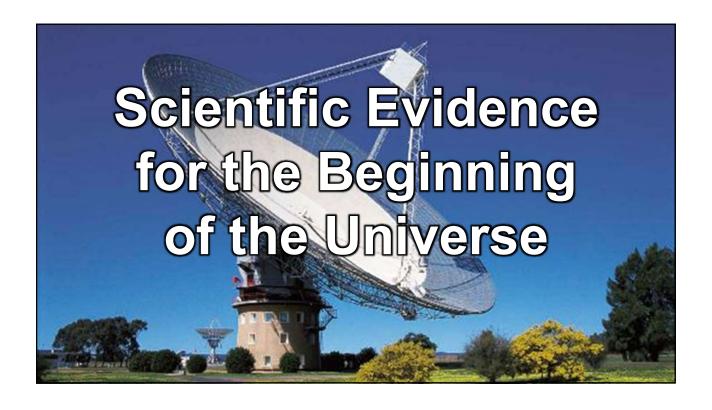




- 1. The Universe began to exist.
- 2. Whatever begins to exist has a cause of its existence.

Therefore, the universe has a cause of its existence.





✓ Big Bang Theory✓ Expanding Universe✓ Second Law of Thermodynamics

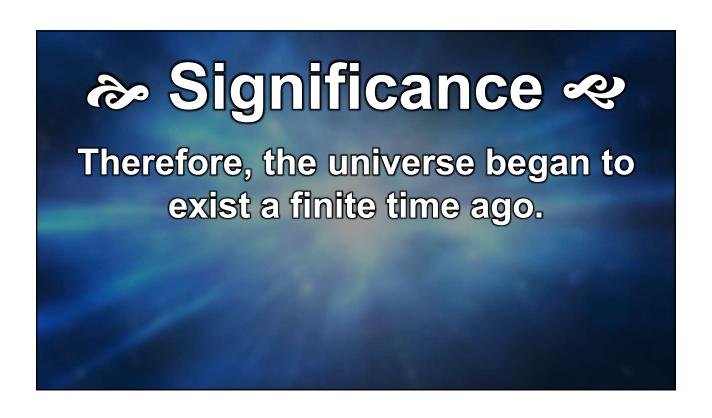


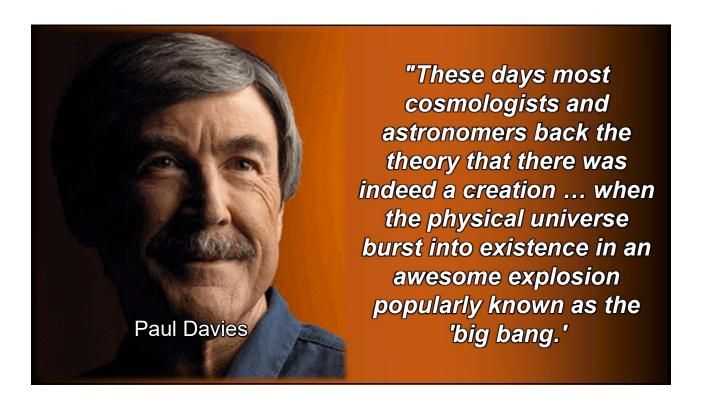
# **₯ Definition ❷**

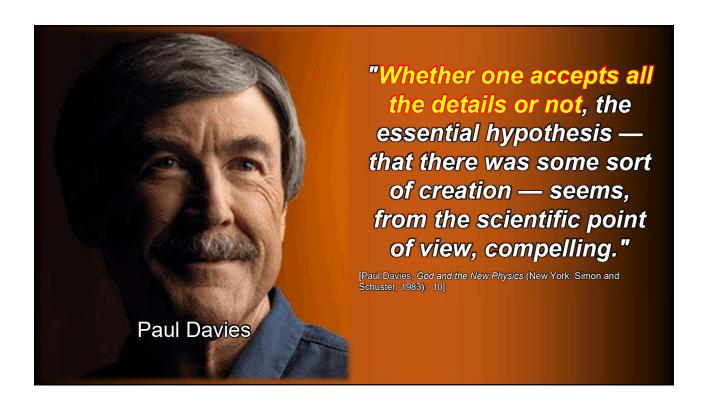
Scientists maintain that the universe began in a colossal explosion a finite time ago.

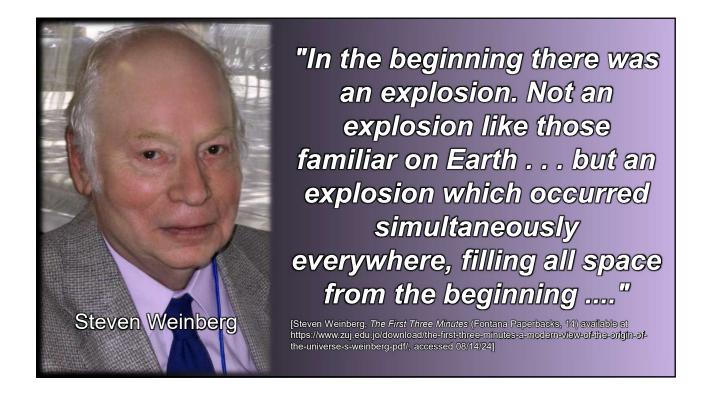
# Significance &

The universe has not existed from eternity, according to the Big Bang Theory.

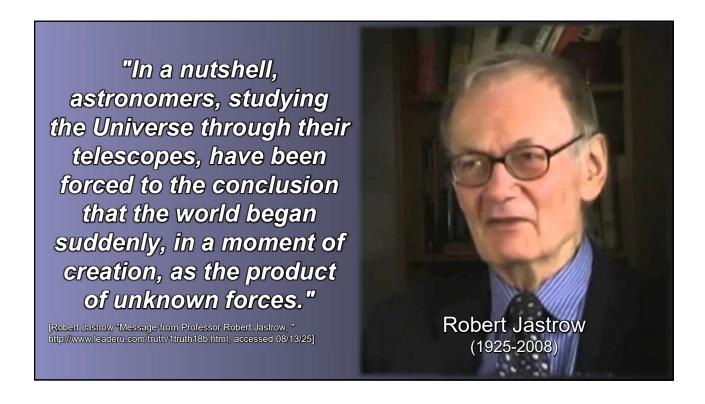


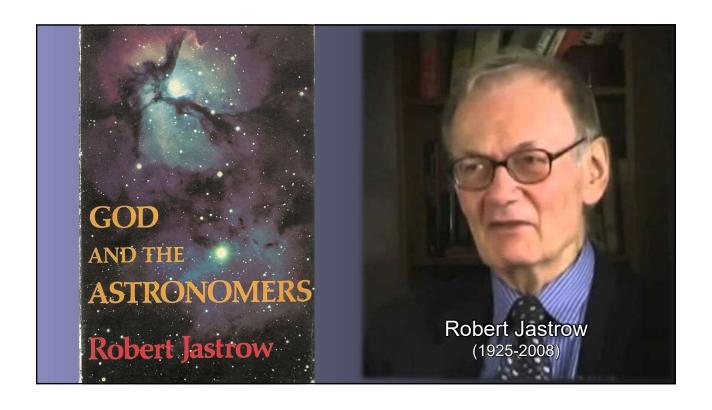


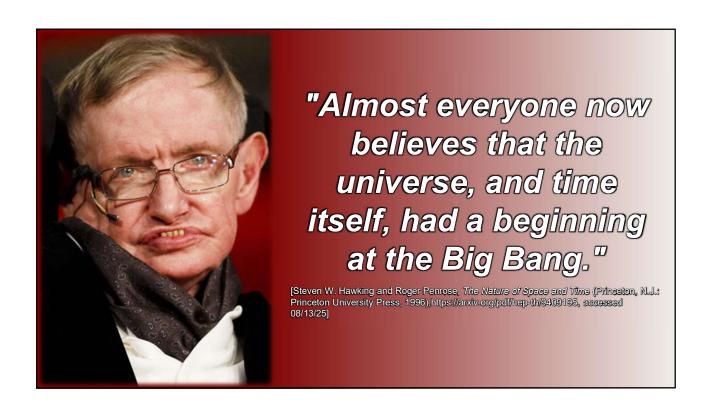


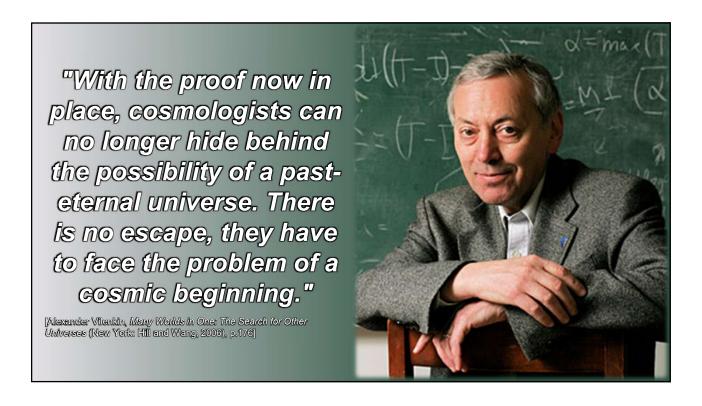


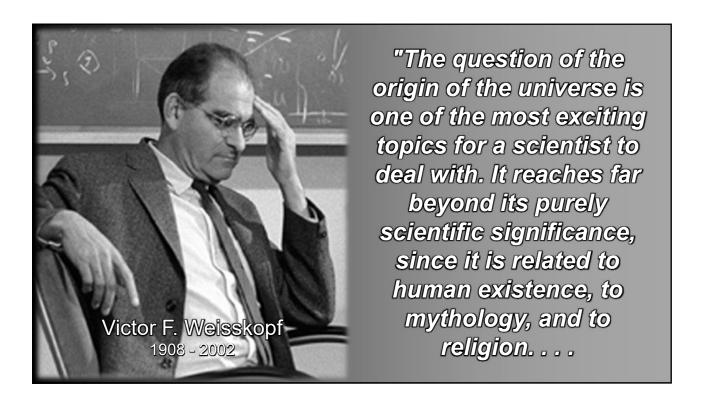


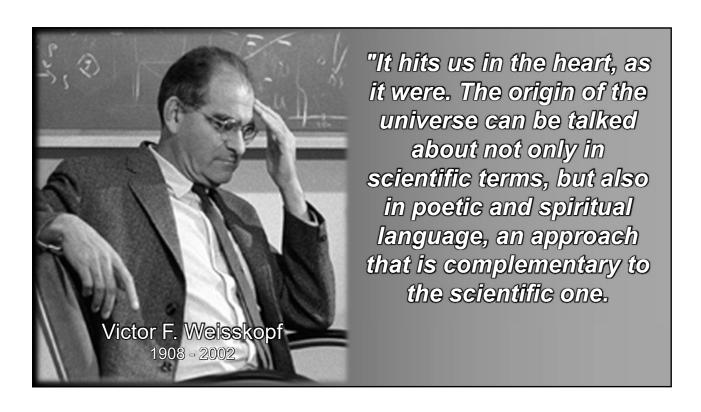


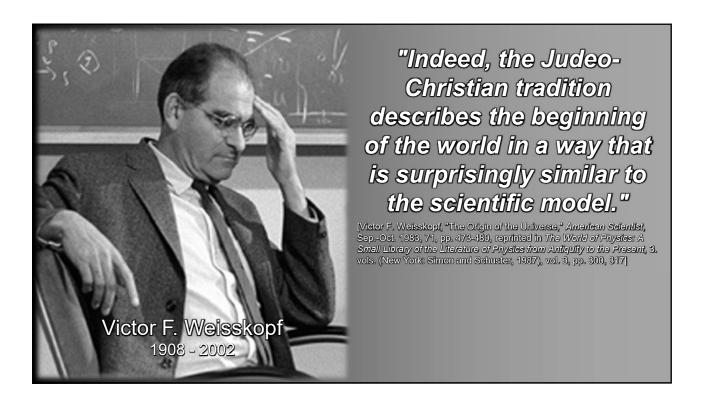


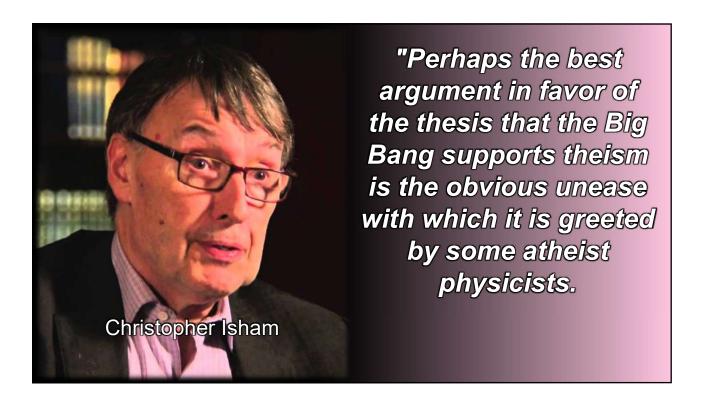


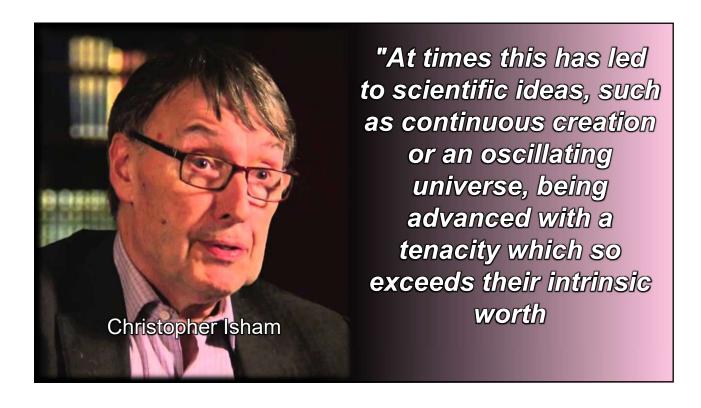


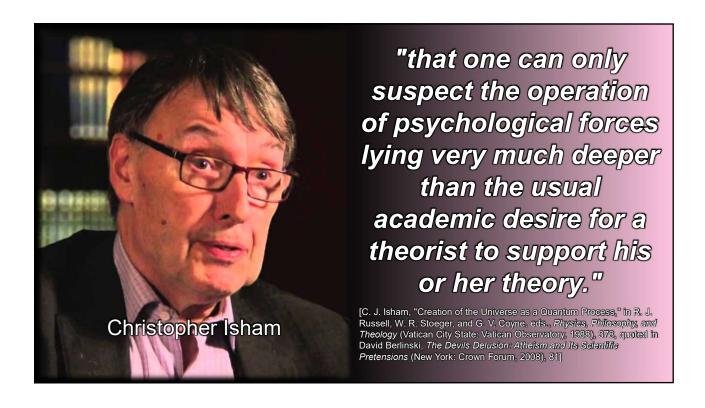












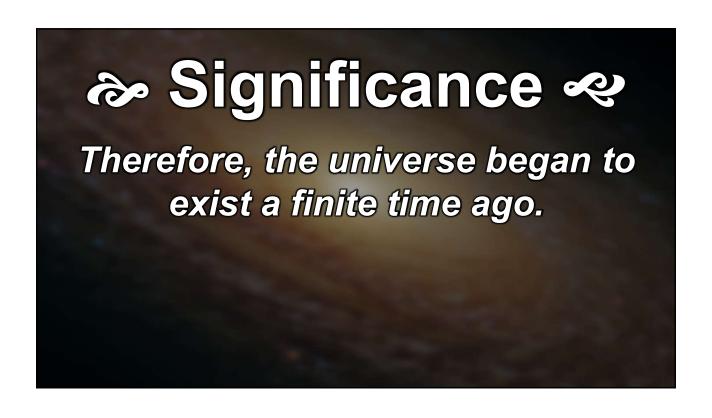


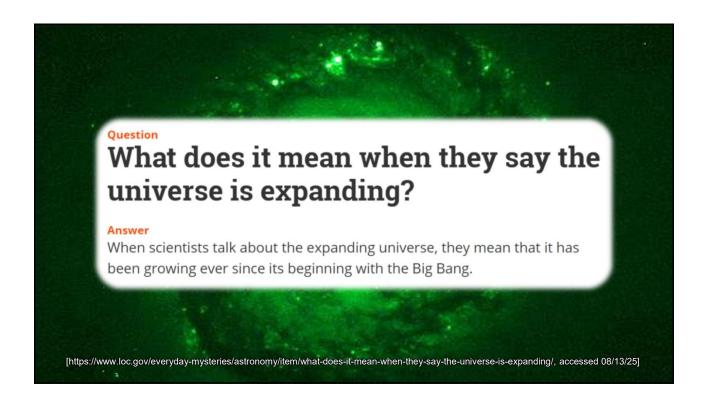
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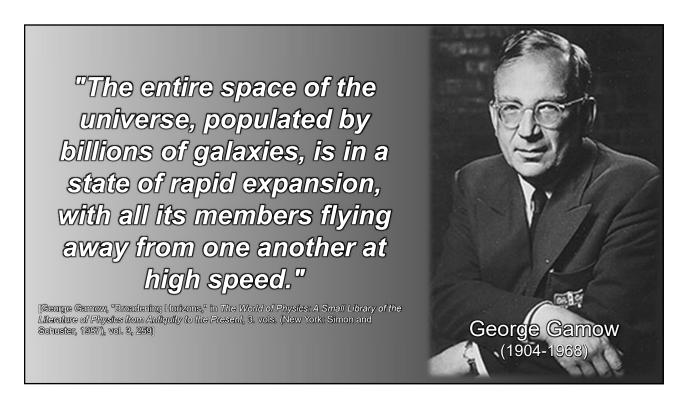
Scientists maintain that every object in the universe is moving away from every other object such that even space itself is expanding.

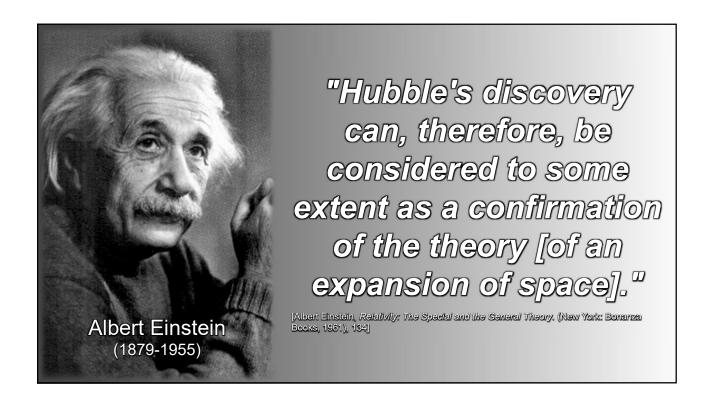
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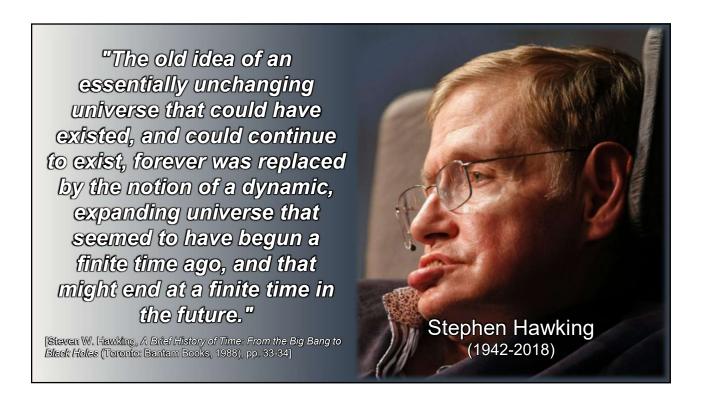
The universe could not have been expanding from eternity otherwise it would be infinitely dispersed (which it is not).

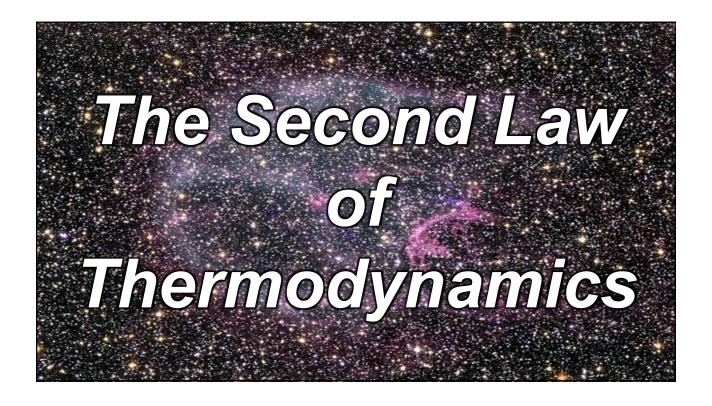












# **≫** Definition **≪**

All isolated systems will tend toward a state of maximum disorder (entropy).

## 

In an isolated system the amount of energy available to do work decreases and becomes uniform.

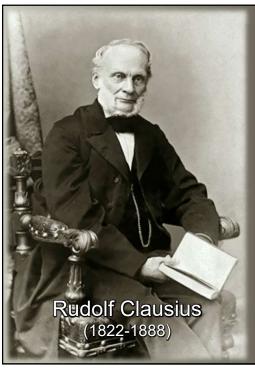
## **₯ Definition ൞**

This amounts to saying that the universe is "running down."

# & Significance &

The universe could not have been running down from eternity otherwise it would have run down by now (which it has not).

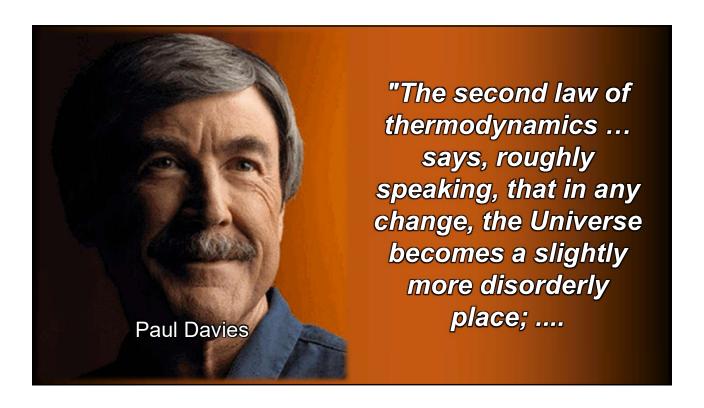


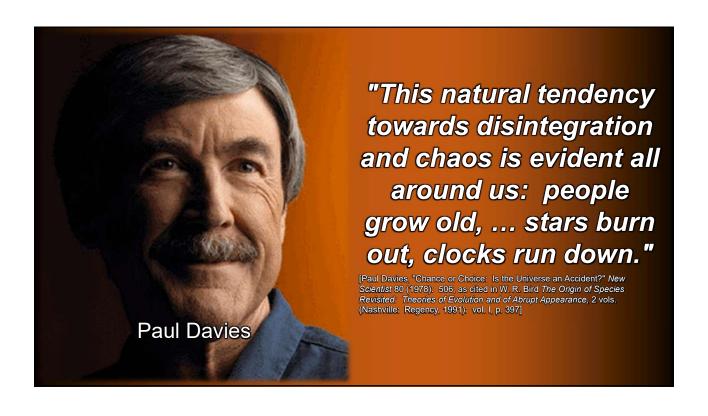


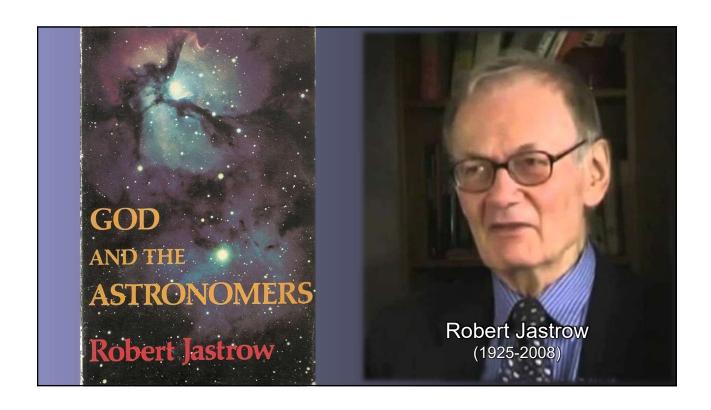
"We can express the fundamental laws of the universe which correspond to the two fundamental laws of the mechanical theory of heat in the following simple form:

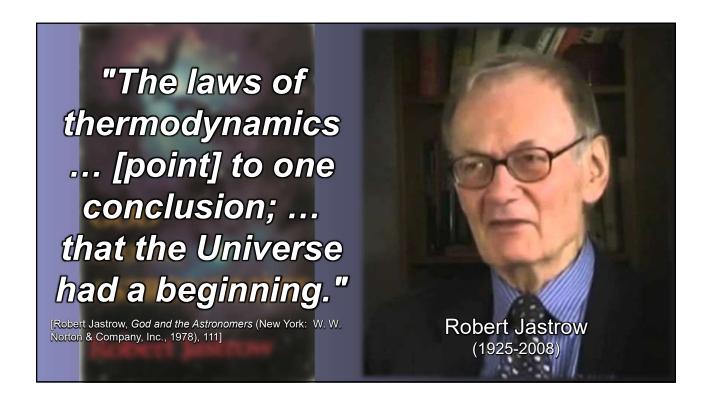
- 1. The energy of the universe is constant.
- 2. The entropy of the universe tends toward a maximum."

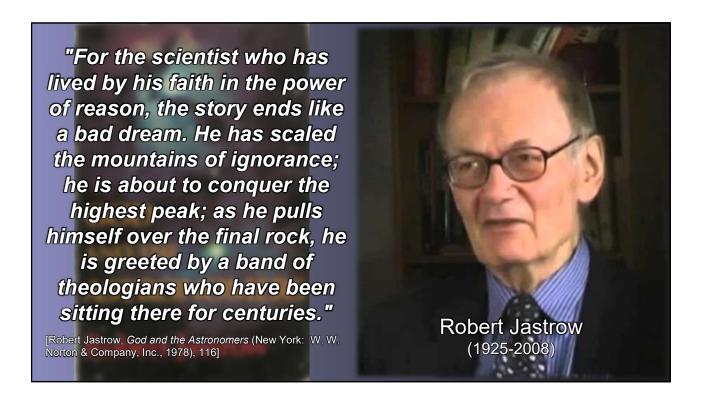
[Rudolf Clausius, "The Second Law of Thermodynamics," in *The World of Physics: A Small Library of the Literature of Physics from Antiquity to the Present*, 3. vols. (New York: Simon and Schuster, 1987), vol. 1, p. 734]

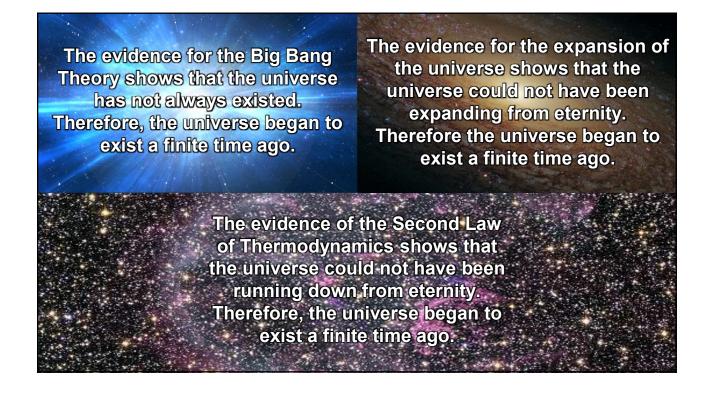


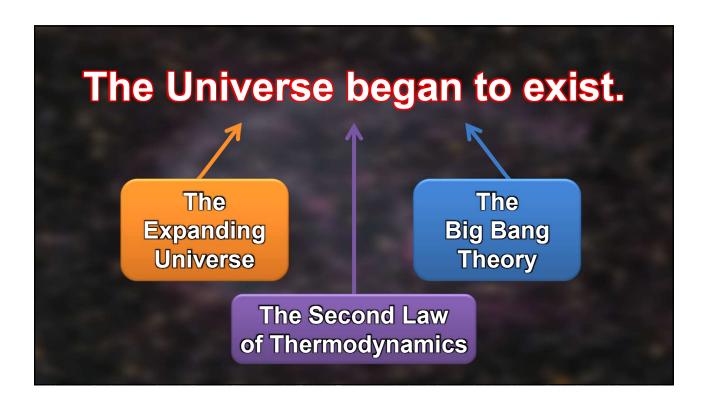


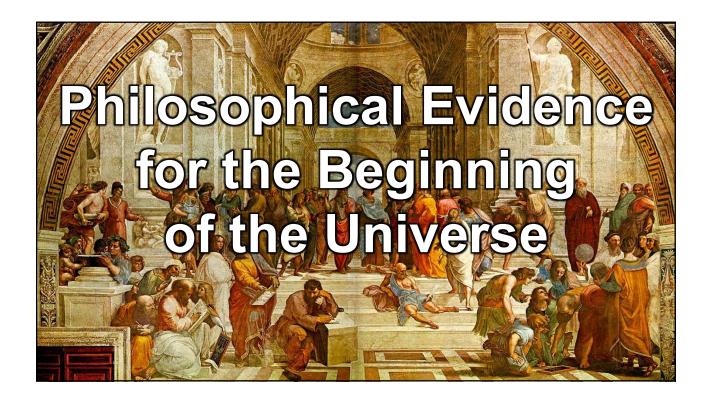












- 1. It is impossible to traverse an actual infinite length of time.
- 2. If the past had no beginning, then an actual infinite length of time has been traversed.

Therefore, the past had a beginning.

- 1. It is impossible for there to be an actual infinite quantity.
- 2. If the past had no beginning, then the past would be an actual infinite quantity.

Therefore, the past had a beginning.

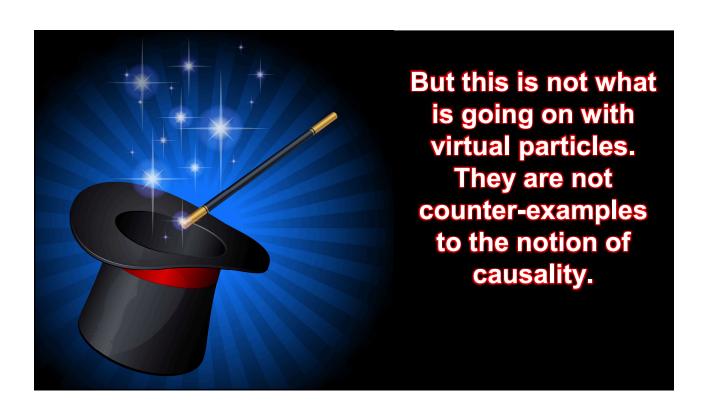
- 1. The Universe began to exist.
- 2. Whatever begins to exist has a cause of its existence.

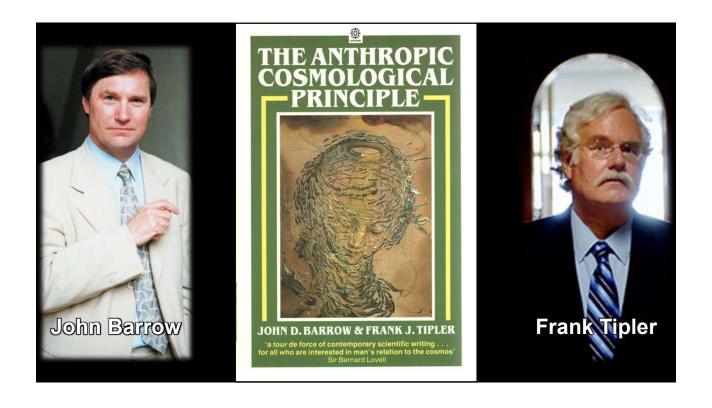
Therefore, the universe has a cause of its existence.

2. Whatever begins to exist has a cause of its existence.

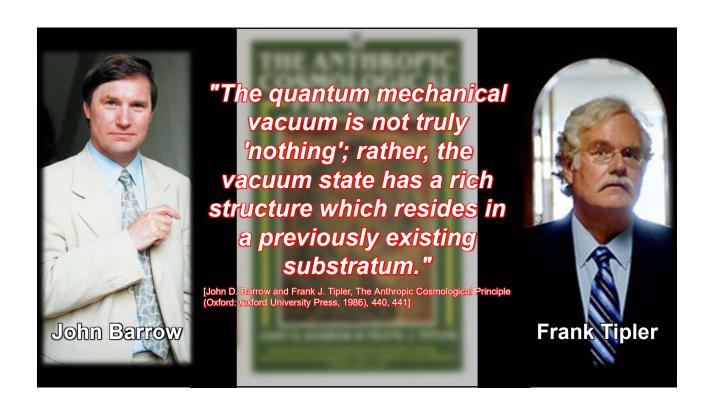




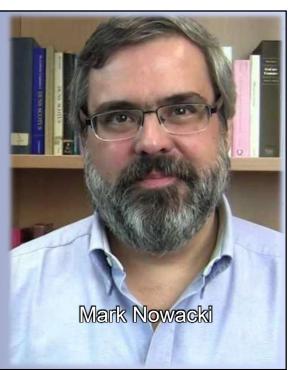








"... the quantum vacuum is very different from the void of Newton: the quantum vacuum is a soupy morass of energy and particles in constant flux; and virtual particles derive their existence from the surrounding quantum gumbo.

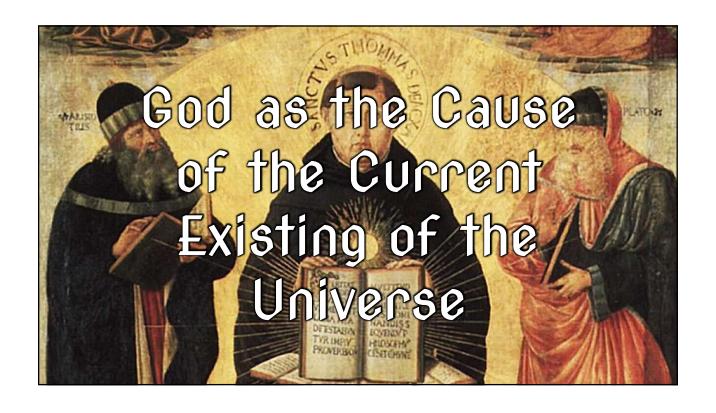


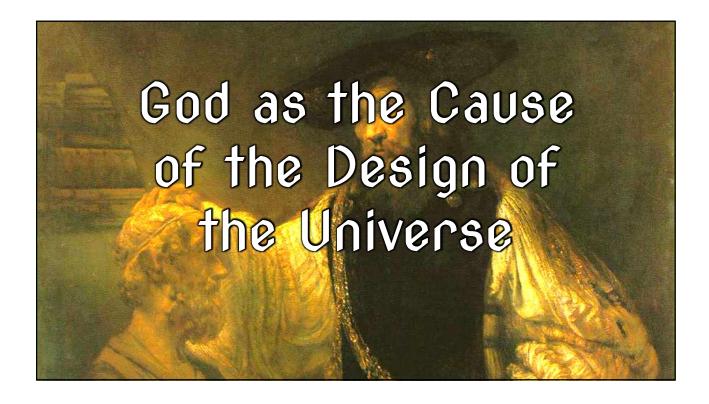


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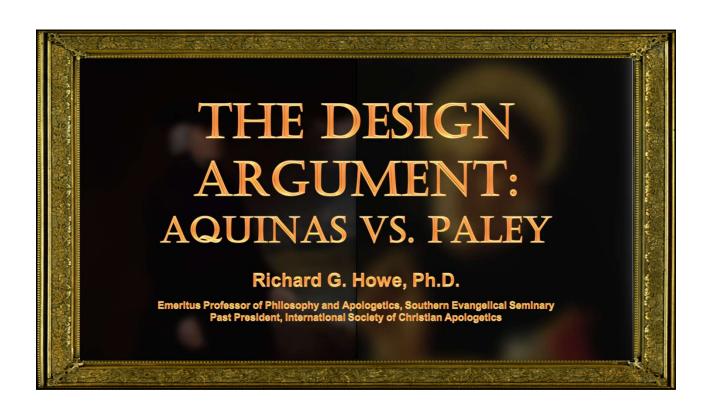
Therefore, the universe has a cause of its existence.

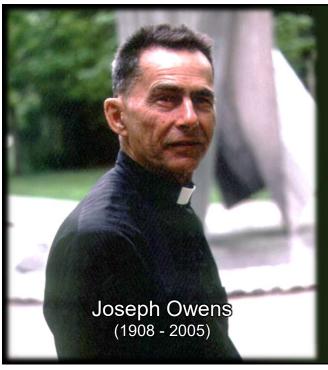
Therefore, the universe has a cause of its existence.



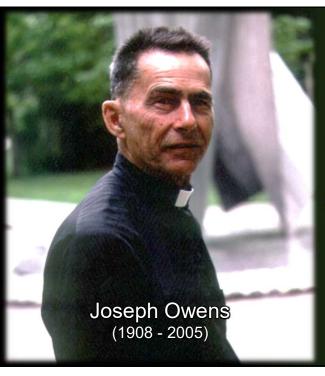








"Other arguments may vividly suggest the existence of God, press it home eloquently to human consideration, and for most people provide much greater spiritual and religious aid than difficult metaphysical demonstrations.



"But on the philosophical level these arguments are open to rebuttal and refutation, for they are not philosophically cogent."

[Joseph Owens, "Aquinas and the Five Ways," *Monist* 58 (Jan. 1974): 16-35, p. 33]

# God as the Cause of the Design of the Universe

# Scientific Evidence for the Design in the Universe

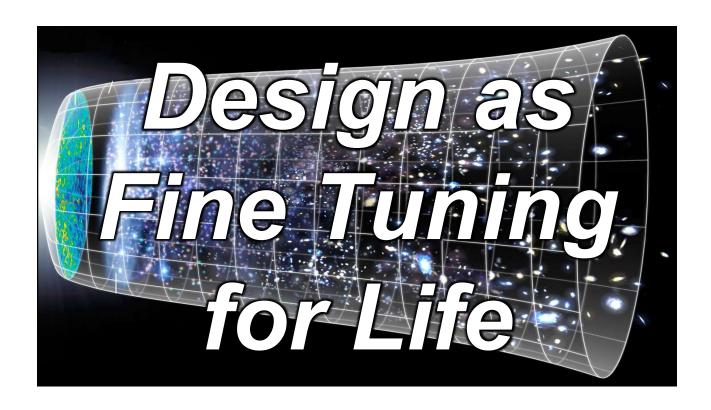
#### 

Design as fine tuning for life Design as the origin of life

#### 

Design as information

Design as irreducible complexity



### 

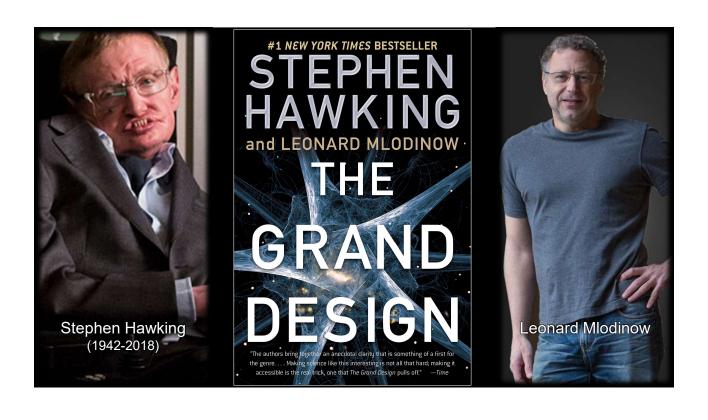
Scientists recognize that the universe's initial condition contained an array of physical values (constants) that are necessary for the universe to support life.

## & Significance &

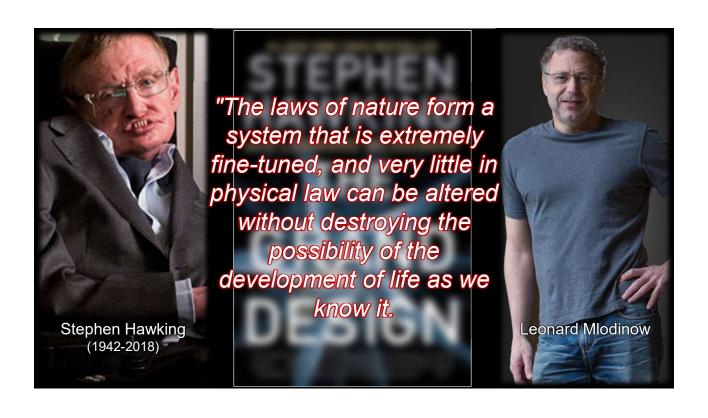
It would seem to some that the likelihood that these values could come about by chance is next to impossible.

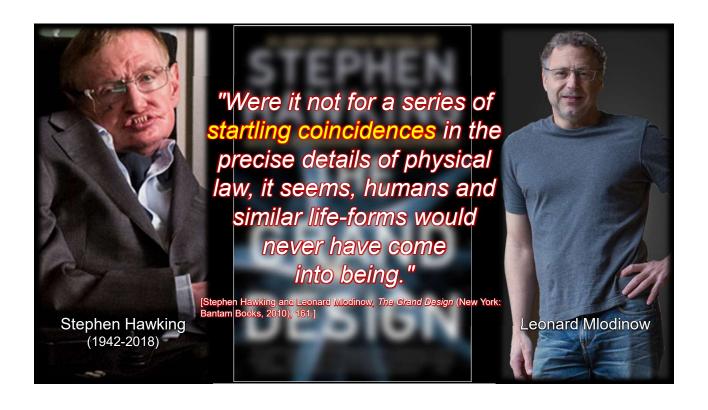
# & Significance &

Therefore, the status of the universe to support life seems to have been designed deliberately by an intelligent cause.



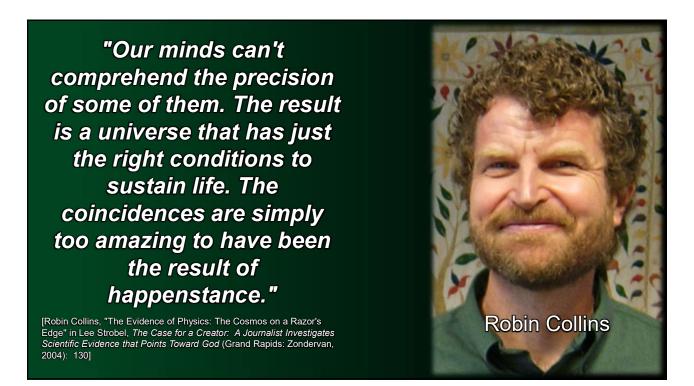






"When scientists talk about the fine-tuning of the universe they're generally referring to the extraordinary balancing of the fundamental laws and parameters of physics and the initial conditions of the universe.





- 1. strong nuclear force constant
- 2. weak nuclear force constant
- 3. gravitational force constant
- 4. electromagnetic force constant
- 5. ratio of electromagnetic force constant to gravitational force constant
- 6. ratio of electron to proton mass
- 7. ratio of number of protons to number of electrons
- 8. expansion rate of the universe
- 9. entropy level of the universe
- 10. mass density of the universe
- 11. velocity of light
- 12. age of the universe
- 13. initial uniformity of radiation
- 14. average distance between galaxies
- 15. galaxy cluster density
- 16. average distance between stars
- 17. fine structure constant (a number used to describe
  - the fine structure splitting of spectral lines)
- 18. decay rate of the proton
- 19. <sup>12</sup>C to <sup>16</sup>0 nuclear energy level ratio

- 20. ground state energy level for <sup>4</sup>He
- 21. decay rate of 8Be
- 22. mass excess of the neutron over the proton
- 23. initial excess of nucleons over antinucleons
- 24. polarity of the water molecule
- 25. degree of uncertainty in the Heisenberg uncertainty principle
- 26. size of the relativistic dilation factor
- 27. supernovae eruptions
- 28. number of white dwarf binaries
- 29. ratio of the mass of exotic matter to ordinary matter
- 30. ratio of number of dwarf galaxies to number of large galaxies
- 31. number of effective dimensions in the early universe
- 32. number of effective dimensions in the present universe
- 33. mass of the neutrino
- 34. size of big bang ripples
- 35. size of cosmological constant

[Hugh Ross, "Why I Believe in the Miracle of Divine Creation," in Norman L. Geisler and Paul K. Hoffman Why I Am a Christian: Leading Thinkers Explain Why They Believe (Grand Rapids: Baker Books, 2001): 138-139]

- Had the rate of expansion of the big bang been different, no life would have been possible.
- If Earth's magnetic field were stronger, electromagnetic storms would be too severe. If it were weaker, we would have inadequate protection from hard stellar radiation.

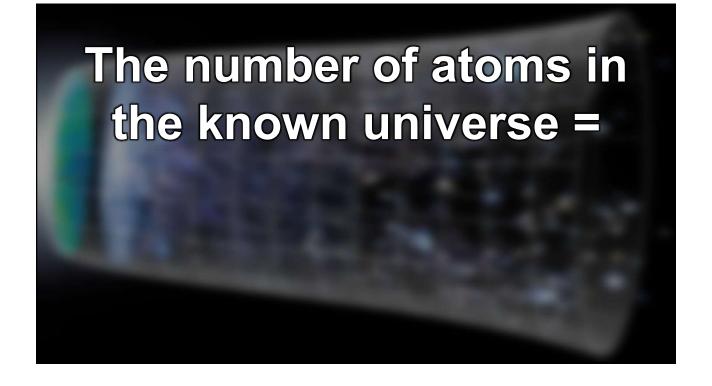
If Earth's gravitational interaction with the moon were greater, then tidal effects on the oceans, atmosphere, and rotational period would be too severe. If it were less, orbital changes would cause climactic instabilities.

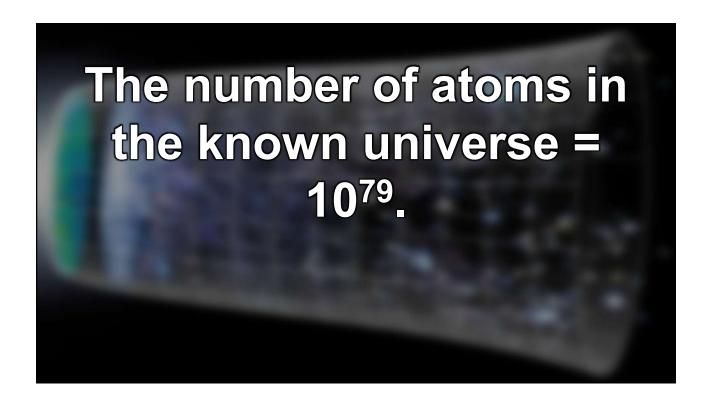
- If Earth's axial tilt were any greater or less, surface temperatures would be too great.
- ❖If Earth's rotational period were longer, diurnal temperature differences would be too great. If it were shorter, atmospheric wind velocities would be too great.

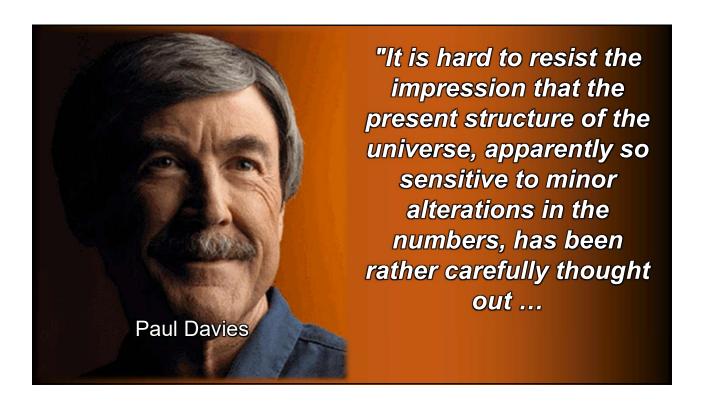
\*Had the values of the gravitational constant, the strong force constant (the force binding protons and neutrons in the nucleus), the weak force (the force responsible for many nuclear processes), and the electromagnetic force been slightly greater or smaller, no life would have been possible.

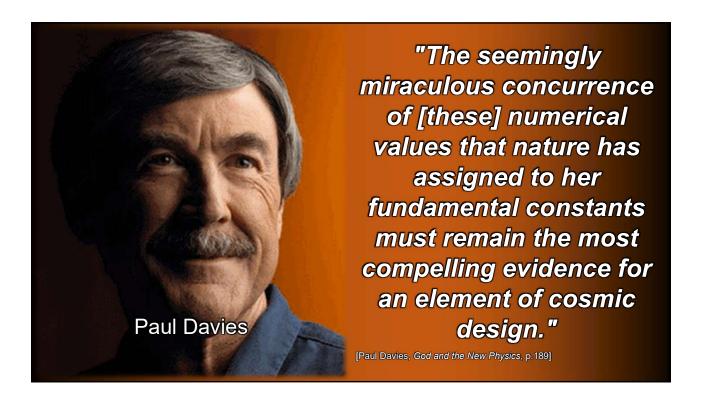
With an estimate of 10<sup>22</sup> planets in the universe the odds of one lifesupporting planet = 1 in 10<sup>138</sup>.

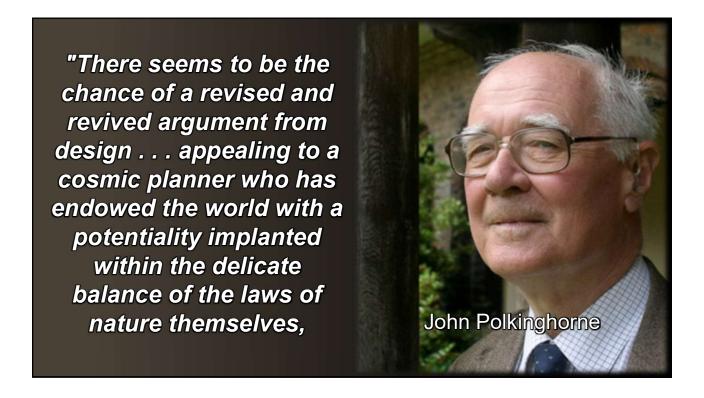
But just how big of a number is 1 in 10<sup>138</sup>?





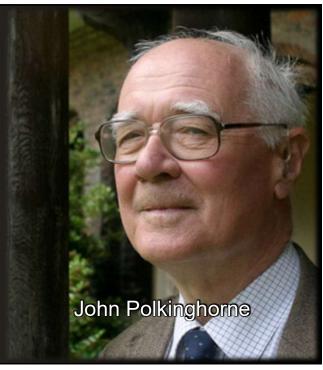


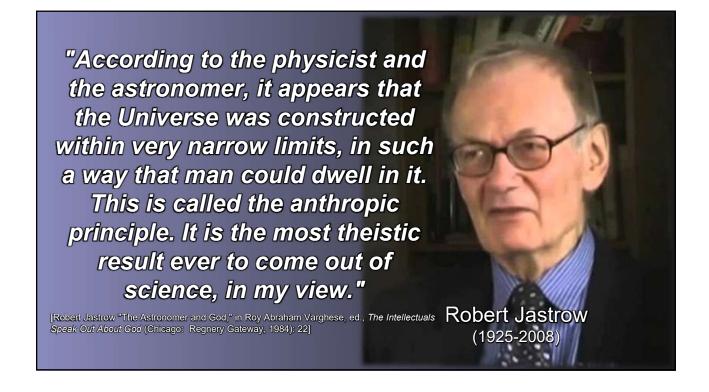




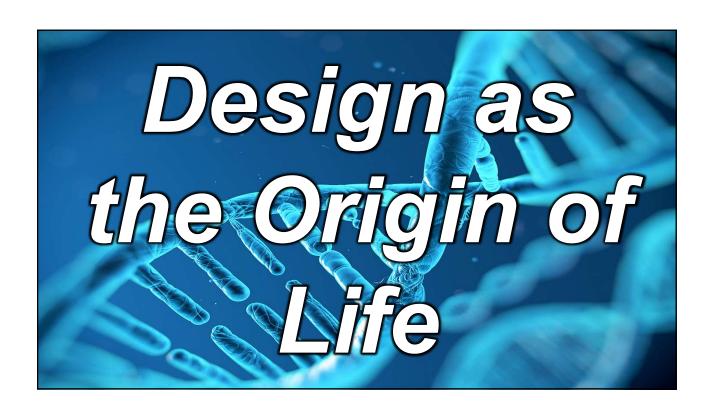
"which laws science cannot explain because it assumes them as the basis for its explanation of the process. In short, the claim would be that the universe is indeed . . . the carefully calculated construct of its Creator."

[John Polkinghorne, Serious Talk: Science and Religion in Dialogue (Valley Forge: Trinity Press International, 1995), 69-70]







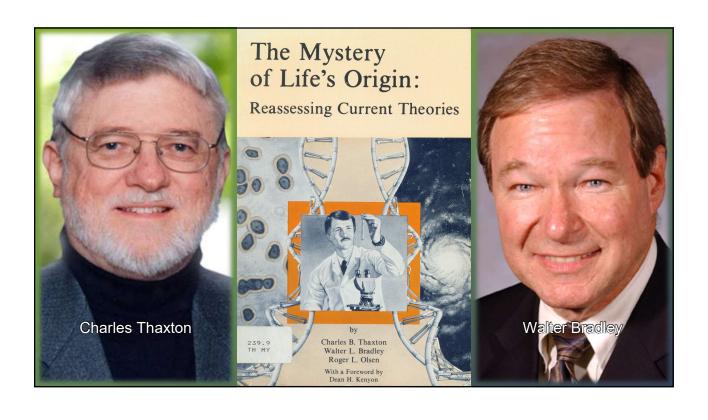


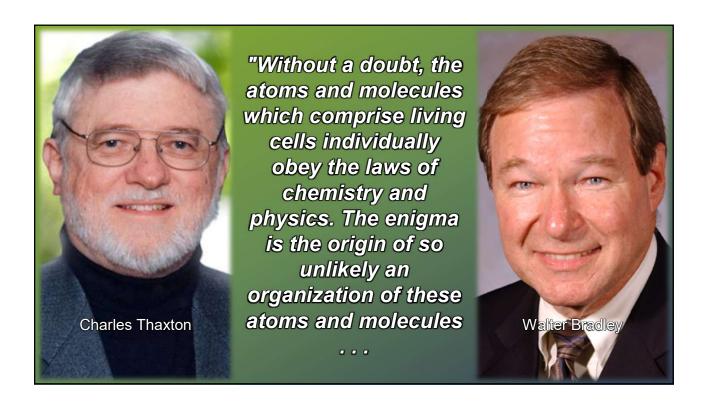
#### **≫** Definition **₹**

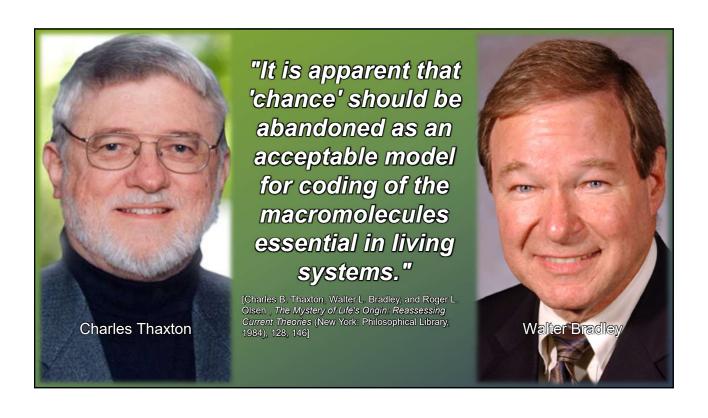
Biologically speaking, life is physically possible only given certain elements and processes, the existence of which require biological life itself.

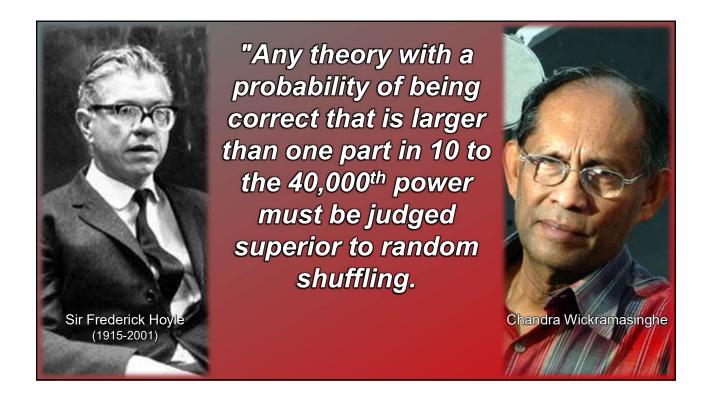
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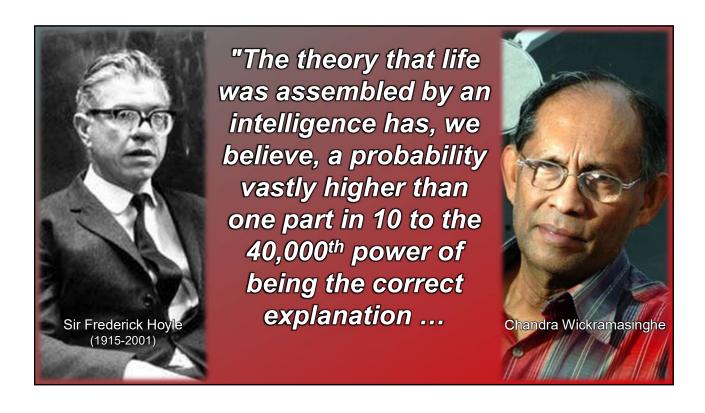
If the necessary ingredients for biological life themselves require biological life, then biological life could not have come from non-life.

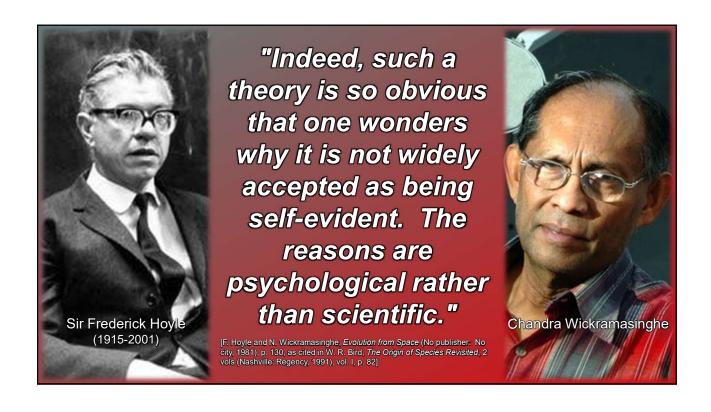


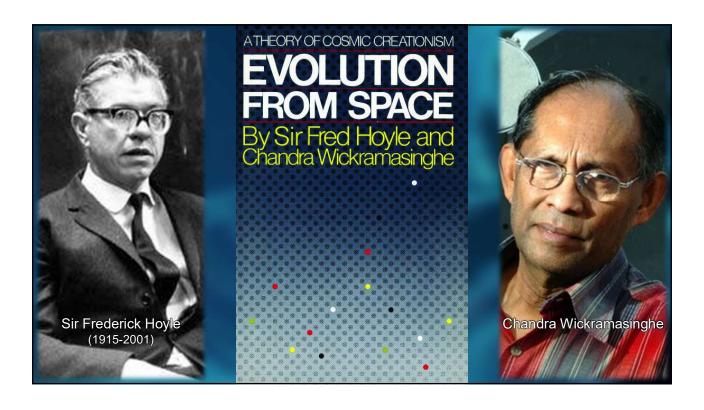














Enzymes and other biochemicals

promotes, because the reaction takes place in three dimensions the situation is actually far more specific than a diagram in two dimensions

can possibly illustrate.

Surface shape is therefore all-important to the function of an enzyme. Surface shape is determined by the particular sequence of amino acids in the polypeptide structure. One can think of getting the surface shape right in two stages of approximation. There are some ten to twenty distinct amino acids which determine the basic backbone of the enzyme and these simply must be in the correct position in the polypeptide structure. The rest of the amino acids, usually numbering a hundred or more, then control the finer details of the surface shape. There are also the active sites that eventually promote the biochemical reactions in question, and these too must be correct in their atomic forms and locations.

Consider now the chance that in a random extension of the control of the control that in a random extension of the chance that the chance t

Consider now the chance that in a random ordering of the twenty different amino acids which make up the polypeptides it just happens that the different kinds fall into the order appropriate to a particular enzyme. The chance of obtaining a suitable backbone can hardly be greater than one part in 10½, and the chance of obtaining the appropriate active site can hardly be greater than one part in 10½. Because the fine details of the surface shape can be varied we shall take the conservative line of not 'piling on the agony' by including any further small probability for the rest of the enzyme. The two small probabilities we are including are quite enough. They have to be multiplied, when they yield a chance of one part in 10½ of obtaining the required enzyme in a functioning form.

By itself, this small probability could be faced, because one must Consider now the chance that in a random ordering of the twenty

By itself, this small probability could be faced, because one must contemplate not just a single shot at obtaining the enzyme, but a very large number of trials such as are supposed to have occurred in an organic soup early in the history of the Earth. The frouble is that there

organic soup.

If one is not prejudiced either by social beliefs or by a scientific training into the conviction that life originated on the Earth, this simple calculation wipes the idea entirely out of court. But if one is so prejudiced it is possible, in the fashion of a grand master with a lost game of chess, to wriggle ingeniously for a while. He would make a series of postulates (for which there is no evidence) in the following way. Suppose at each place where a wanted enzyme happened to arise by

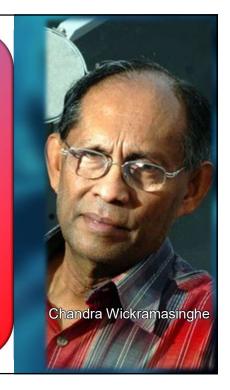
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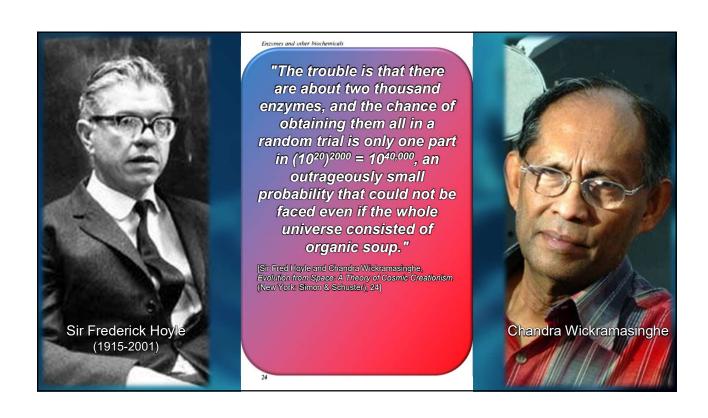




"The two small probabilities we are including are quite enough. They have to be multiplied, when they yield a chance of one part in 1020 of obtaining the required enzyme in a functioning form. By itself, this small probability could be faced, because one must contemplate not just a single shot at obtaining the enzyme, but a very large number of trials such as are supposed to have occurred in an organic soup early in the history of the Earth.

Enzymes and other biochemicals





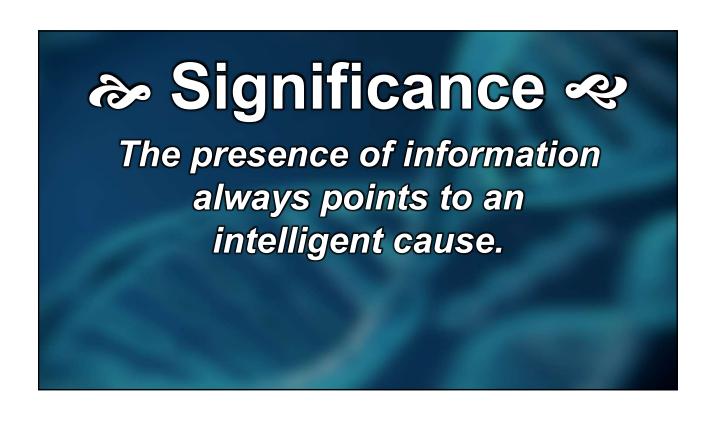


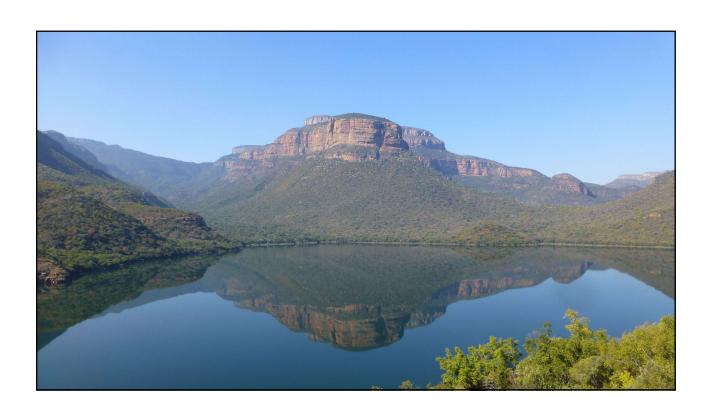


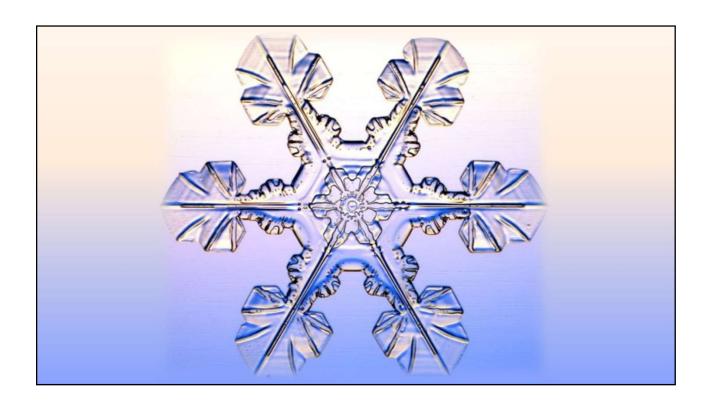


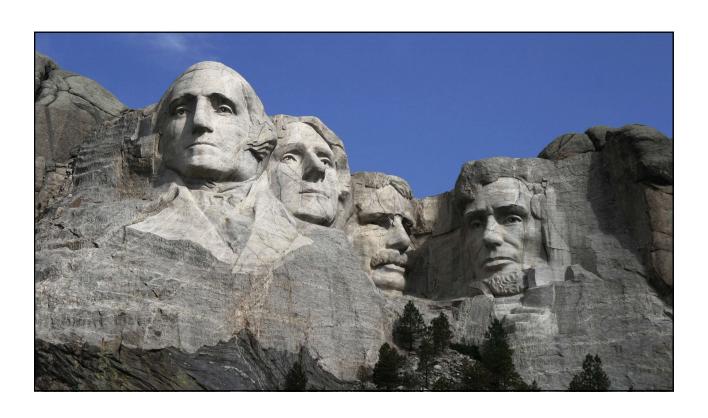
#### **₯** Definition **२**

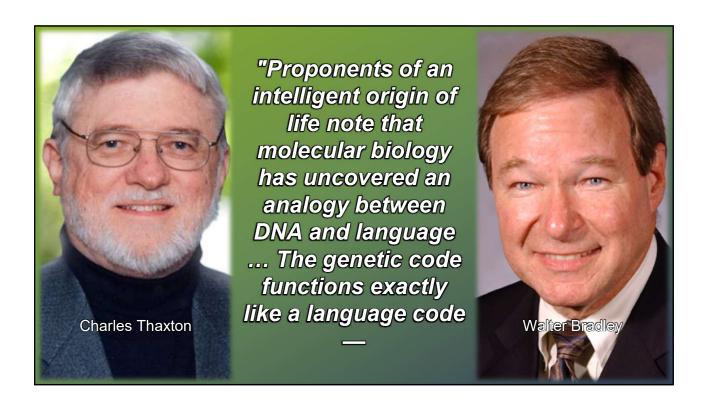
Information, known also as specified complexity, is physically distinguishable from simple complexity and simple order.

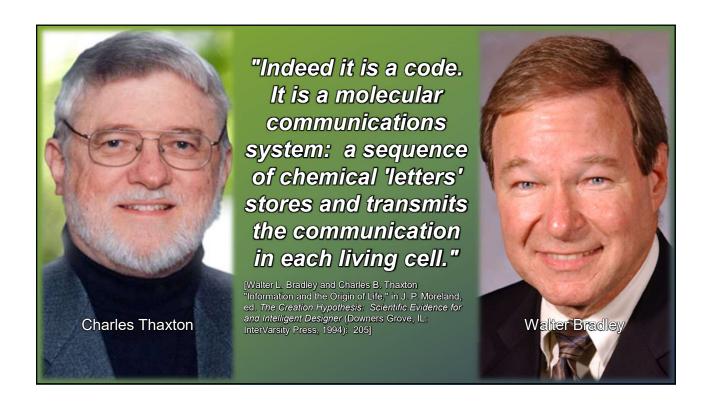


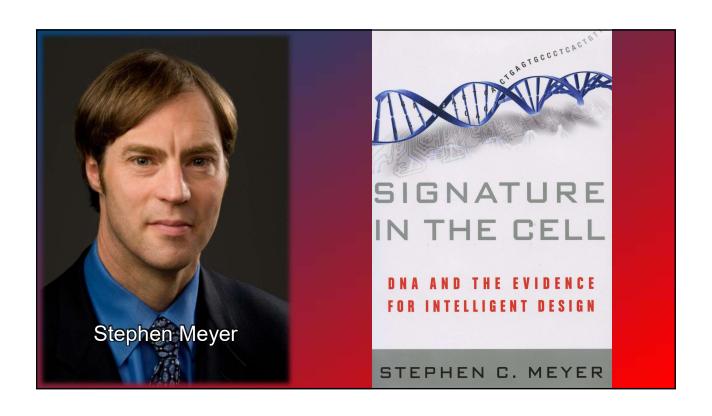


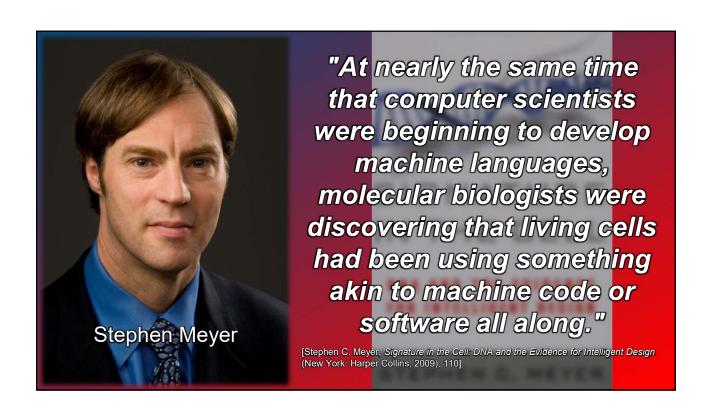


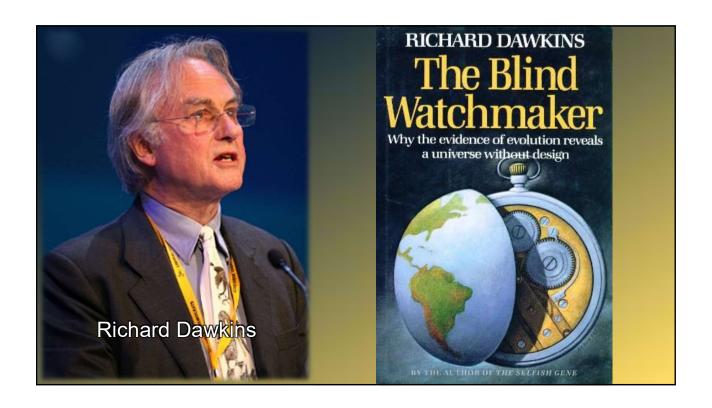


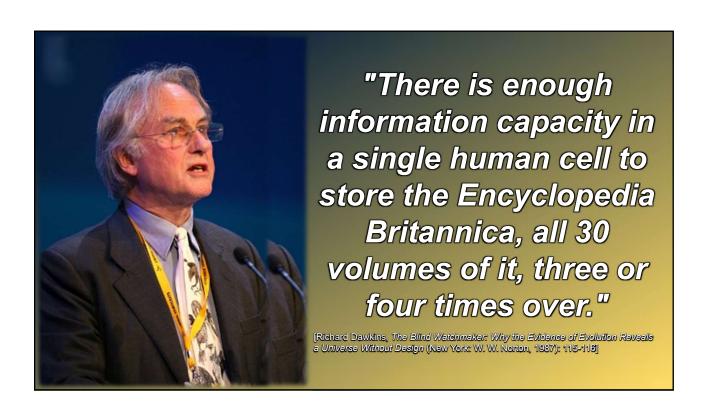


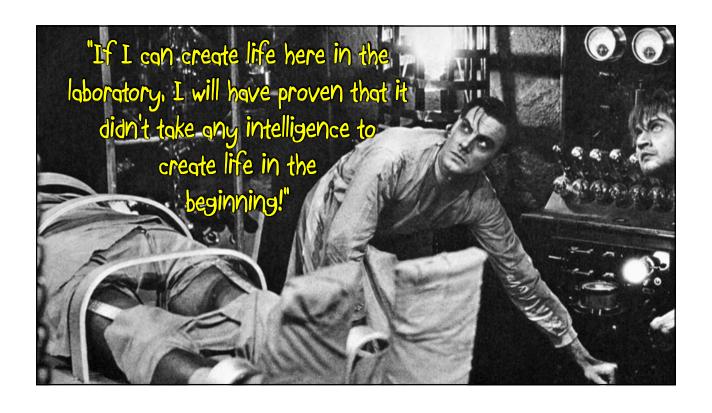












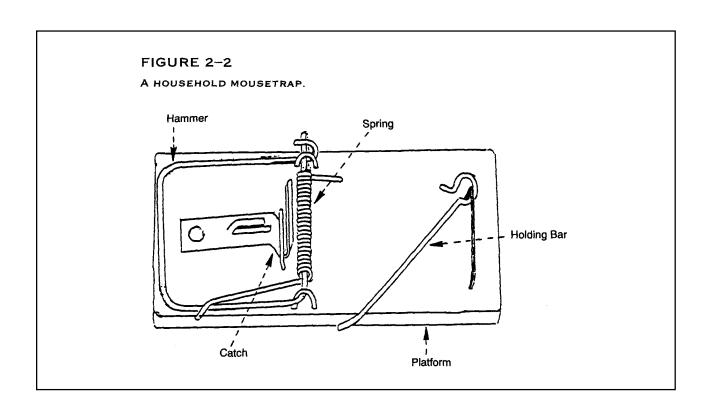


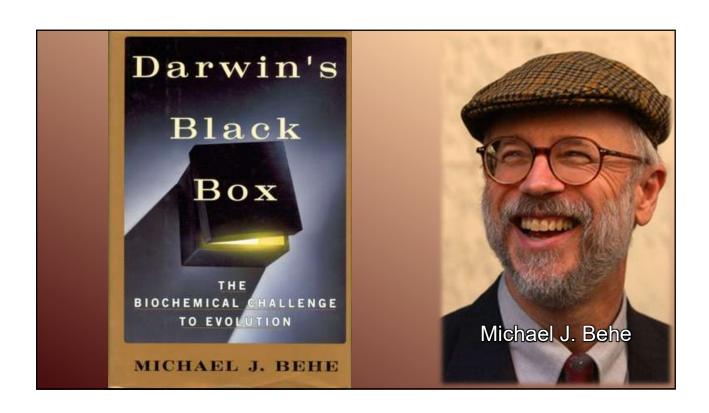
### **Definition** ~

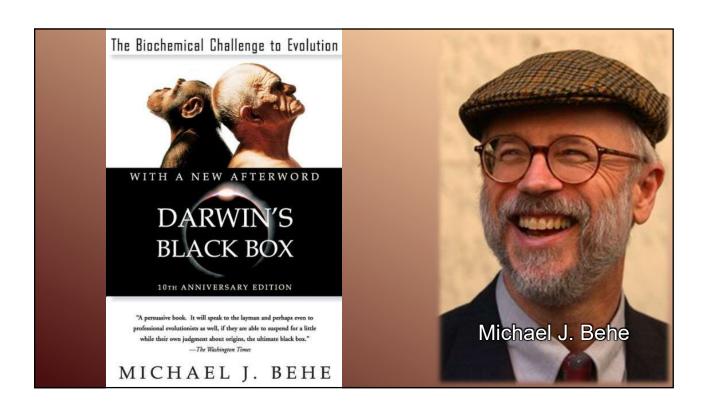
Some biological systems consist of several interlocking parts that must be in place before the system can function at all.

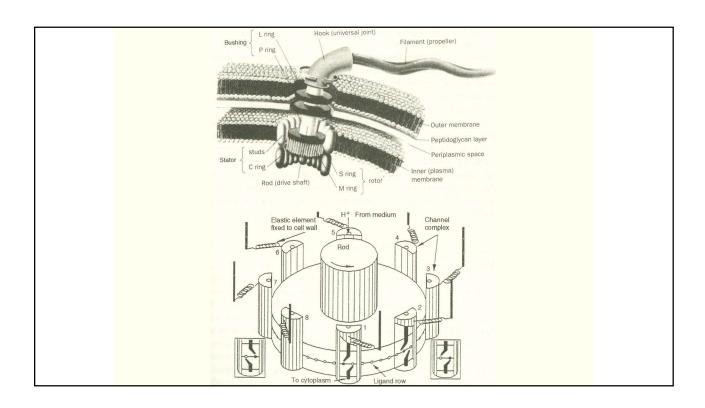
# Significance «

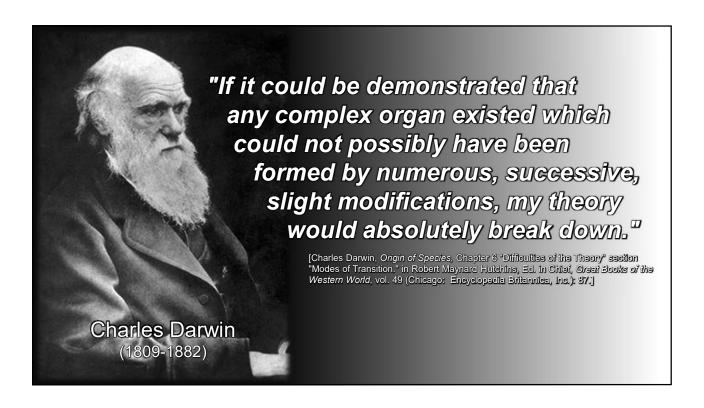
Since such complexity cannot be accounted for by gradual accumulations of random mutations, the systems must have arisen all at once by an intelligent cause.

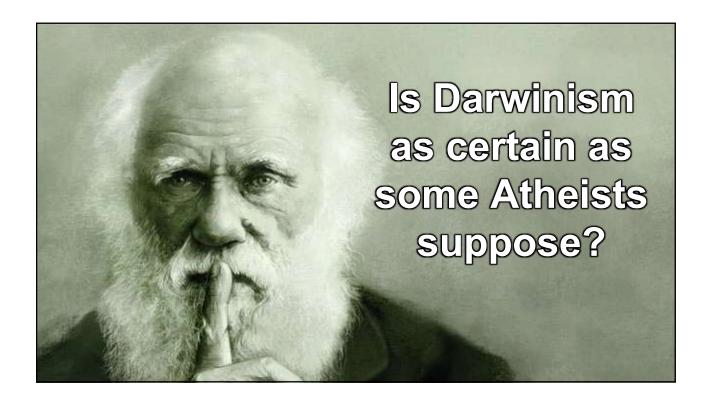


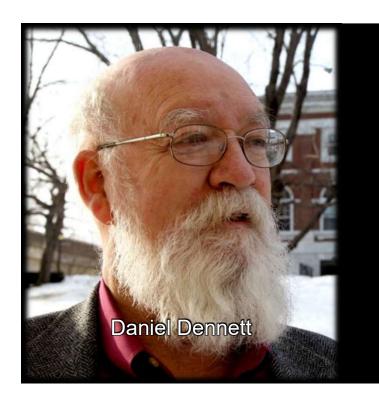


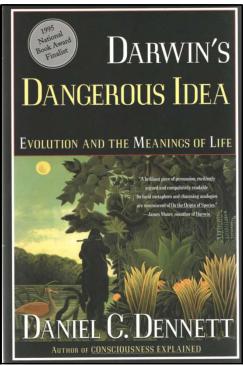


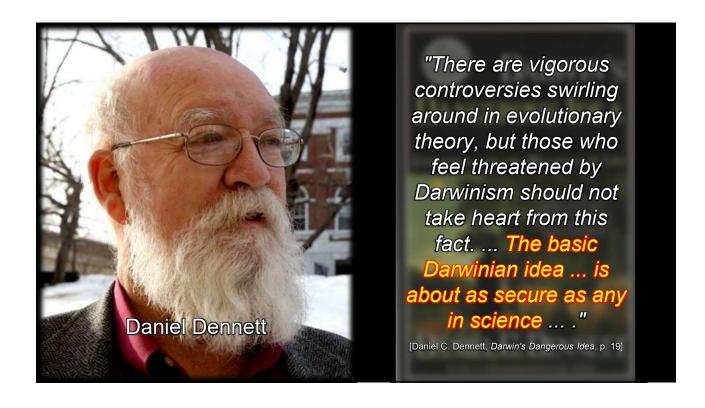


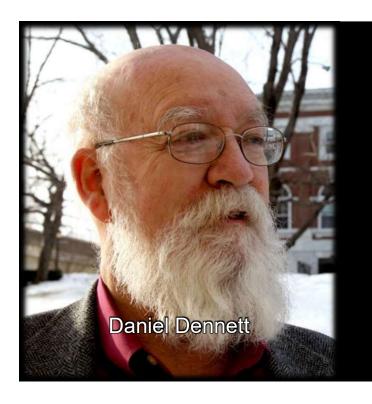






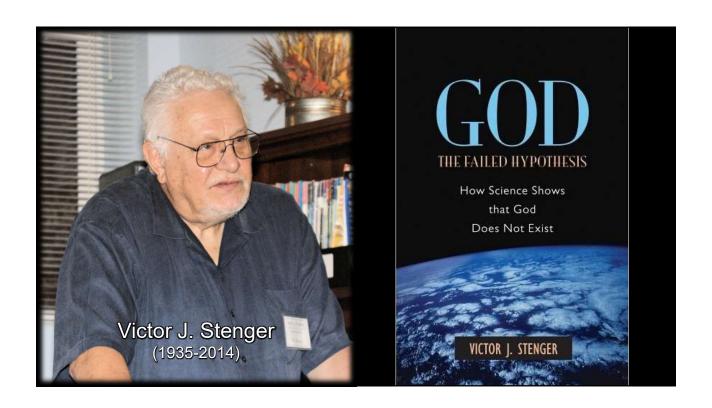


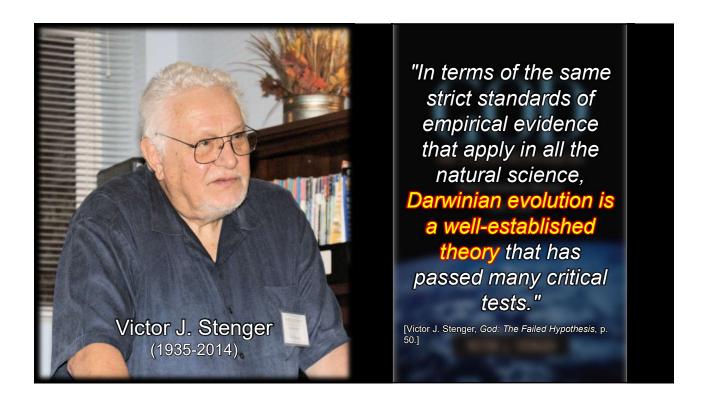


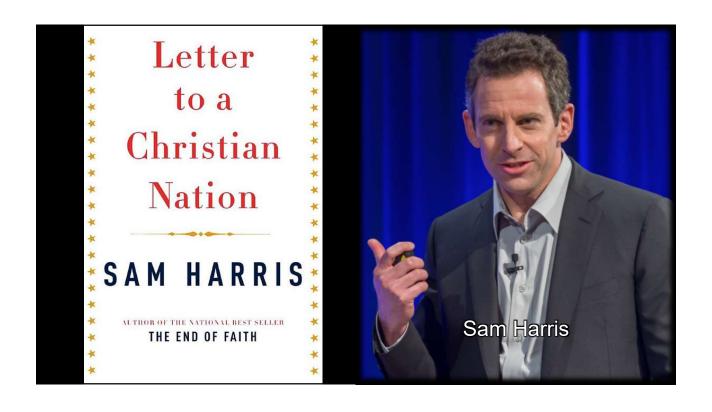


"If you insist on teaching your children falsehoods—that the Earth is flat, that 'Man' is not a product of evolution by natural selection—then ... we will ... describe your teachings as the spreading of falsehoods, and will attempt to demonstrate this to your children at our earliest opportunity."

[Daniel Dennett, Darwin's Dangerous Idea: Evolution and the Meaning of Life (New York: Simon & Schuster, 1995), 519]







"Here is what we know. ... There is no question that human beings evolved from nonhuman ancestors ... There is no reason whatsoever to believe that individual species were created in their present forms."

[Sam Harris, Letter to a Christian Nation, pp. 71]





"The basic Darwinian idea . . . is about as secure as any in science ..."

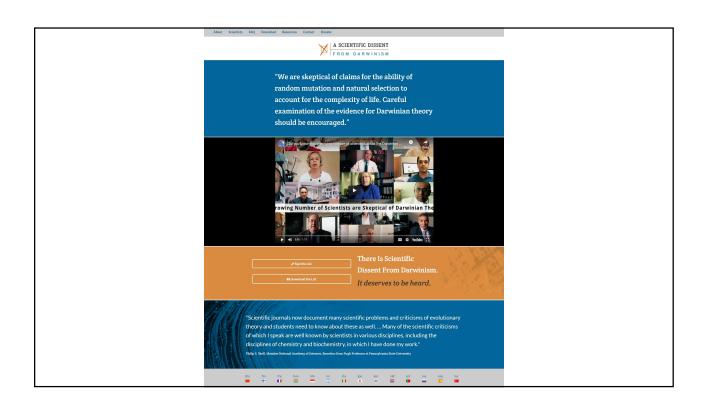
Challenging evolution is on par with believing in a flat Earth.

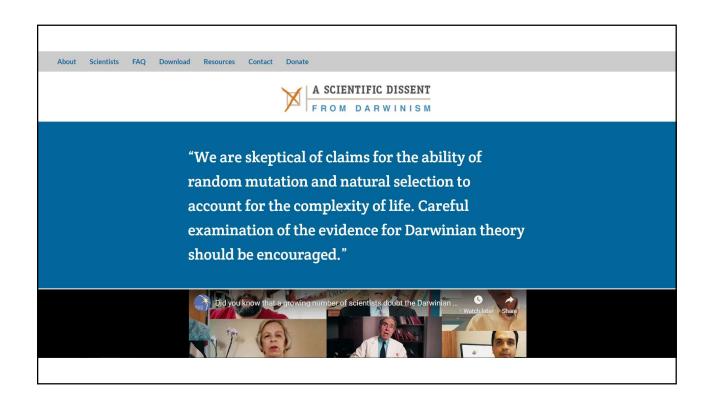
"Darwinian evolution is a well-established theory."

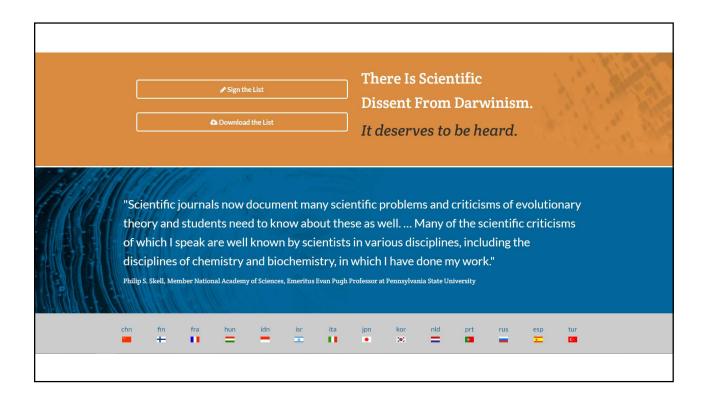
"There is no question . . ."

Challenging evolution is on par with challenging the Moon landing.

## Is this so?









Joseph Atkinson	Ph.D. Organic Chemistry	Massachusetts Institute of Technology
Dennis Dean Rathman	Staff Scientist	MIT Lincoln Laboratory
Richard Austin	Assoc. Prof. & Chair, Biology & Natural Sciences	Piedmont College
Richard Anderson	Assistant Professor of Environmental Science and Policy	Duke University
Raymond C. Mjolsness		Princeton University
John Baumgardner	Ph.D. Geophysics & Space Physics	University of California, Los Angeles
Glenn R. Johnson	Adjunct Professor of Medicine	University of North Dakota School of Medicine
George Bennett	Associate Professor of Chemistry	Millikin University
Robert L. Waters	Lecturer, College of Computing	Georgia Institute of Technology
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James Robert Dickens	Ph.D. Mechanical Engineering	Texas A&M University
Phillip Bishop	Professor of Kinesiology	University of Alabama
Jeffrey M. Jones	Professor Emeritus in Medicine (Ph.D. Microbiology and M.D.)	University of Wisconsin-Madison
Donald R. Mull	Ph.D. Physiology	University of Pittsburgh
John Bloom	Ph.D. Physics	Cornell University
William Dembski	Ph.D. Mathematics	University of Chicago
Ben J. Stuart	Ph.D. Chemical & Biochemical Engineering	Rutgers University
Raymond Bohlin	Ph.D. Molecular & Cell Biology	University of Texas, Dallas
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David Richard Carta	Ph.D. Bio-Engineering	University of California, San Diego
Lydia G. Thebeau	Ph.D. Cell & Molecular Biology	Saint Louis University
David Bossard	Ph. D. Mathematics	Dartmouth College
Robert W. Kelley	Ph.D. Entomology	Clemson University
David Bourell	Professor Mechanical Engineering	University of Texas, Austin
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Walter Bradley	Distinguished Professor of Engineering	Autonomous University of Guadalajara (Mexico)  Baylor University
Sami Palonen	Ph.D. Analytical Chemistry	University of Helsinki (Finland)
John Breida	Ph.D. Agronomy	University of Nebraska, Lincoln
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Rudolf Brits	Ph.D. Nuclear Chemistry	University of Stellenbosch (South Africa)
Gary Kastello		University of Wisonsin-Milwaukee
Karen Rispin	Ph.D. Biology Assistant Professor of Biology	
Frederick Brooks		LeTourneau University
	Kenan Professor of Computer Science	University of North Carolina at Chapel Hill
Omer Faruk Noyan	Assistant Professor (Ph.D. Paleontology)	Celal Bayar University (Turkey)
Neil Broom	Associate Professor, Chemical & Materials Engineering	University of Auckland (New Zealand)
Malcolm D. Chisholm	Ph.D. Insect Ecology (M.A. Zoology, Oxford University)	University of Bristol (UK)
John Brown	Research Meteorologist	National Oceanic and Atmospheric Administration
Joseph A. Kunicki	Associate Professor of Mathematics	The University of Findlay
John Brumbaugh	Emeritus Professor of Biological Sciences	University of Nebraska, Lincoln
Thomas M. Stackhouse		University of California, Davis
Nancy Bryson	Associate Professor of Chemistry	Mississippi University for Women
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John C. Walton	Professor of Reactive Chemistry (Ph.D. & D.Sc.)	University of St. Andrews (UK)
John C. Walton	Fellow	Royal Society of Chemistry
	Fellow	Royal Society of Edinburgh
Mae-Wan Ho	Ph.D. Biochemistry	The University of Hong Kong
Donald Ewert	Ph.D. Microbiology	University of Georgia
Russell Carlson	Professor of Biochemistry & Molecular Biology	
Scott Minnich		University of Georgia
	Associate Professor of Microbiology	University of Idaho
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Ralph Seelke	Professor Emeritus, Molecular and Cellular Biology	University of Wisconsin, Superior
Annika Parantainen	Ph.D. Biology	University of Turku (Finland)
Fred Schroeder	Ph.D. Marine Geology	Columbia University
David Snoke	Associate Professor of Physics & Astronomy	University of Pittsburgh
Frank Tipler	Prof. of Mathematical Physics	Tulane University
John A. Davison*	Emeritus Associate Professor of Biology	University of Vermont
James Tour	Chao Professor of Chemistry	Rice University
Pablo Yepes	Research Associate Professor of Physics & Astronomy	Rice University
David Bolender	Assoc. Prof., Dept. of Cell Biology, Neurobiology & Anatomy	Medical College of Wisconsin
Leo Zacharski	Professor of Medicine	Dartmouth Medical School
Joel D. Hetzer	Ph.D. Statistics	Baylor University
Michael Behe	Professor of Biological Science	Lehigh University
Michael Atchison	Professor of Biochemistry	University of Pennsylvania, Vet School
Thomas G. Guilliams	Ph.D. Molecular Biology	The Medical College of Wisconsin
Arthur B. Robinson	Professor of Chemistry	Oregon Institute of Science & Medicine
Joel Adams	Professor of Computer Science	Calvin College
Abraham S. Feigenbaum	Ph.D. Nutritional Biochemistry	Rutgers University
Yasuo Yoshida	Ph.D. Physics	Kyushu University (Japan)
Domingo Aerden	Professor of Geology	Universidad de Granada (Spain)
Kevin Farmer	Adjunct Assistant Professor (Ph.D. Scientific Methodology)	University of Oklahoma
D.R. Eiras-Stofella	Director, Electron Microscopy Center (Ph.D. Molecular Biology)	Parana Federal University (Brazil)
Neal Adrian	Ph.D. Microbiology	University of Oklahoma
Kerry N. Jones	Professor of Mathematical Sciences	Ball State University
Ge Wang	Professor of Radiology & Biomedical Engineering	University of Iowa
Moorad Alexanian	Professor of Physics	University of North Carolina, Wilmington
Richard Spencer	Professor (Ph.D. Stanford)	University of California, Davis,
Richard Spericer	Tolessor (Tit.D. Stanlere)	Solid-State Circuits Research Laboratory
Mark Kreichi	Ph.D. Polymer Science & Engineering (Post-docs, Stanford & Caltech)	University of Massachusetts
Braxton Alfred	Emeritus Professor, Anthropology	
		University of British Columbia (Canada)
R. Craig Henderson	Associate Professor, Dept. of Civil & Environmental Engineering	Tennessee Tech University
Michael J. Kavaya	Senior Scientist	NASA Langley Research Center
Wesley Allen	Professor of Computational Quantum Chemistry	University of Georgia
James Pierre Hauck	Professor of Physics & Astronomy	University of San Diego
Olen R. Brown	Former Professor of Molecular Microbiology & Immunology	University of Missouri, Columbia
Eshan Dias	Ph.D. Chemical Engineering	King's College, Cambridge University (UK)

John L. Burba Stephen J. Cheesman Mike Forward Ph.D. Physical Chemistry Ph.D. Geophysics Ph.D. Applied Mathematics (Chaos Theory) Industrial Hygiene Specialist (Ph.D. Epidemiology) Baylor University
University of Toronto
Imperial College, University of London (UK)
University of New Mexico Lowell D. White University of Alabama, Huntsville Lawrence Livermore National Lab University of California, Irvine Brian Landrum David Chambers Associate Professor of Mechanical & Aerospace Engineering Physicist Michael T. Goodrich Timothy E. McDevitt Arlen R. Severson Winston Ewert Professor of Computer Science Ph.D Mechanical Engineering
Professor of Anatomy and Cell Biology
Ph.D Electrical and Computer Engineering Pennsylvania State University University of Minnesota Medical School, Duluth Baylor University Professor of Microbiology and Molecular Biology Professor of Mechanical Engineering Technology Ph.D Plant Breeding and Cytogenetics Mohamed Mahmoud Tanta University Tanta University
Oklahoma State University
Iowa State University
University of Latvia
University of Texas, Austin
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## **Observations**

This doesn't prove that Darwinism is false.

## **Observations**

This doesn't mean that all these signers repudiate evolution entirely.



