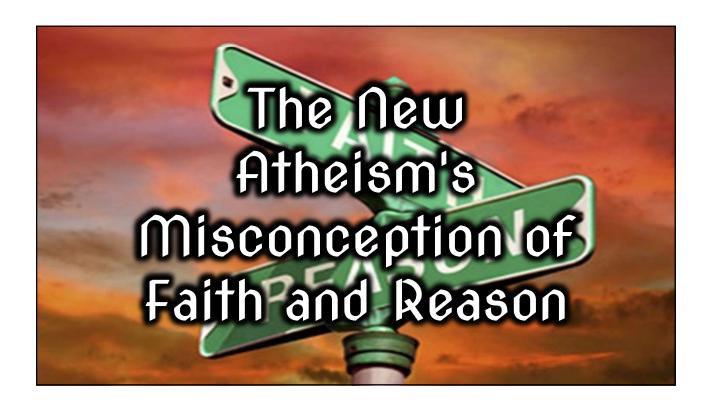
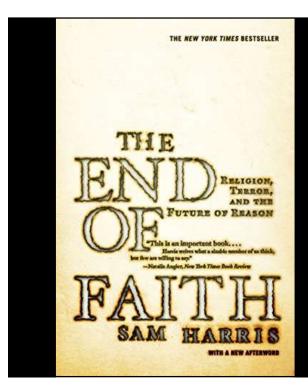
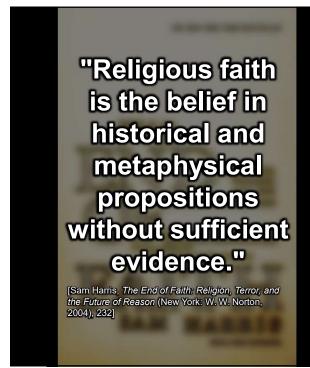


# **Faith** Reason opinion truth values facts inner outer public private emotional rational feelings thoughts subjective objective religion science true for me true for all





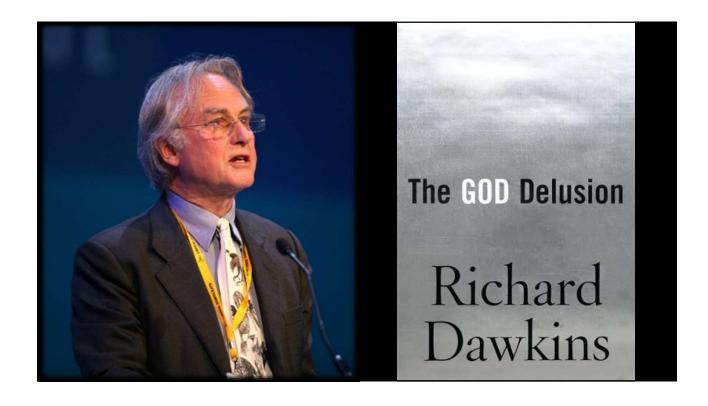


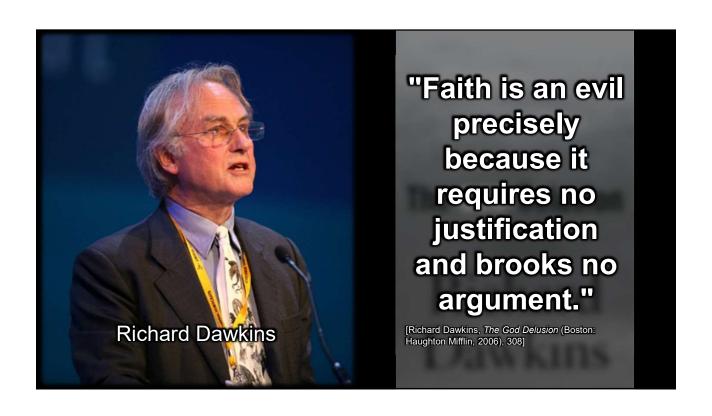


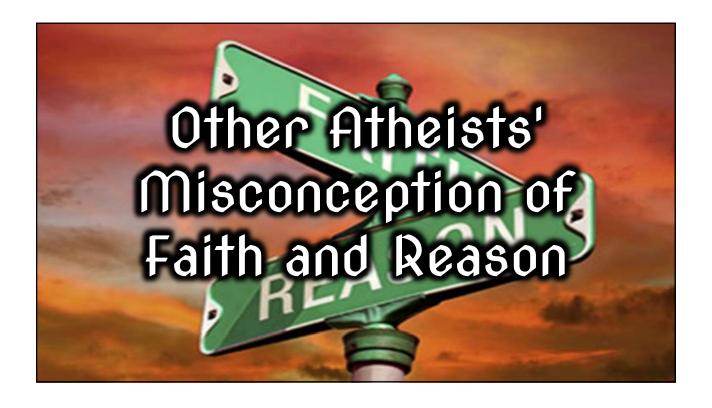


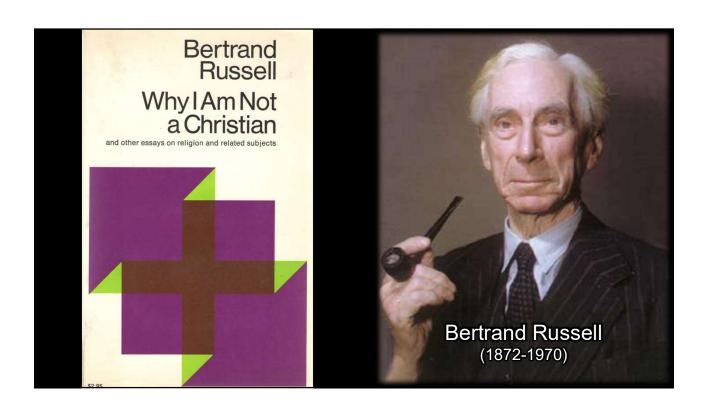
"Faith is the mortar that fills the cracks in the evidence and the gaps in the logic, and thus it is faith that keeps the whole terrible edifice of religious certainty still looming dangerously over our world."

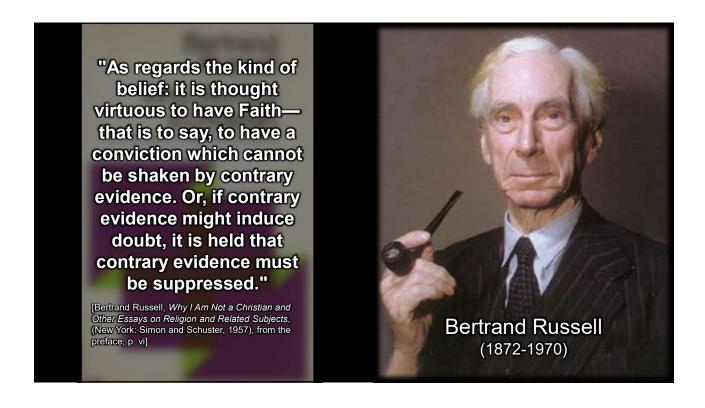


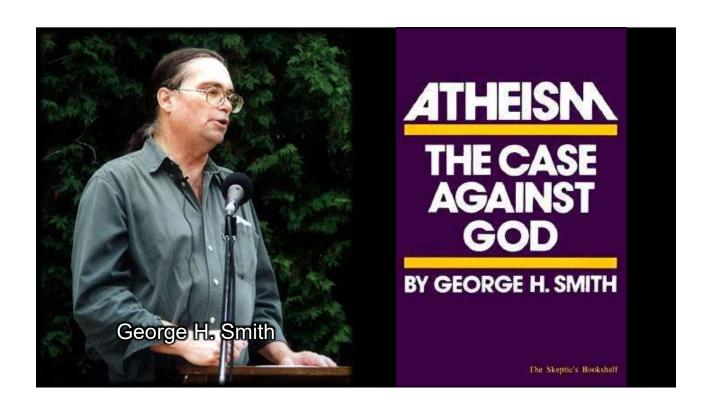


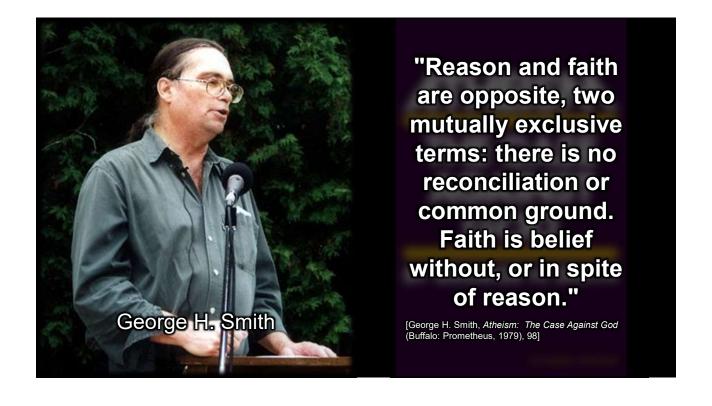


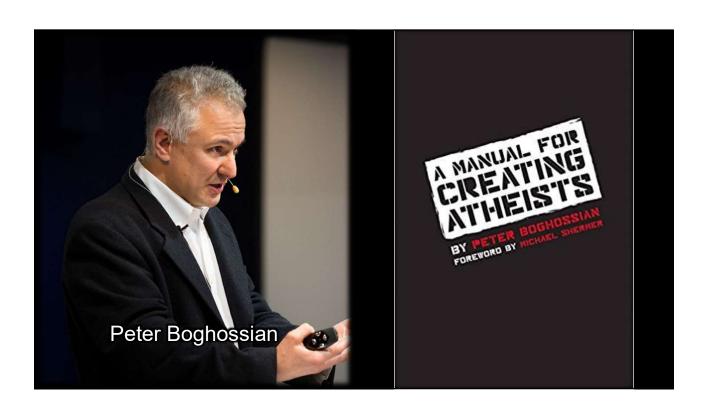


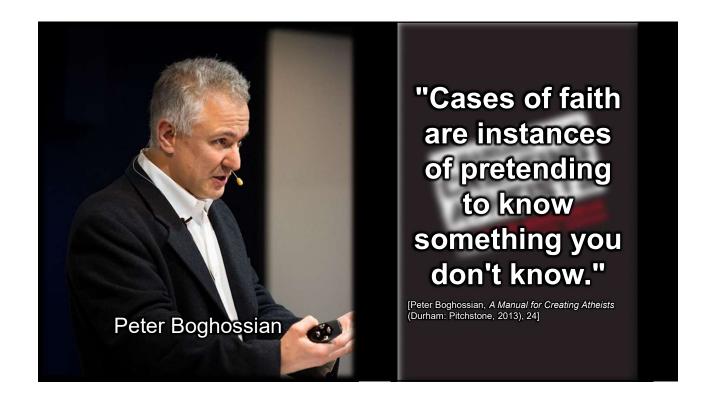


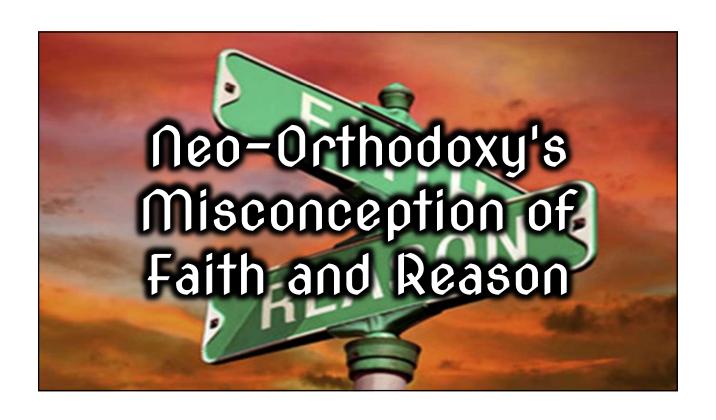


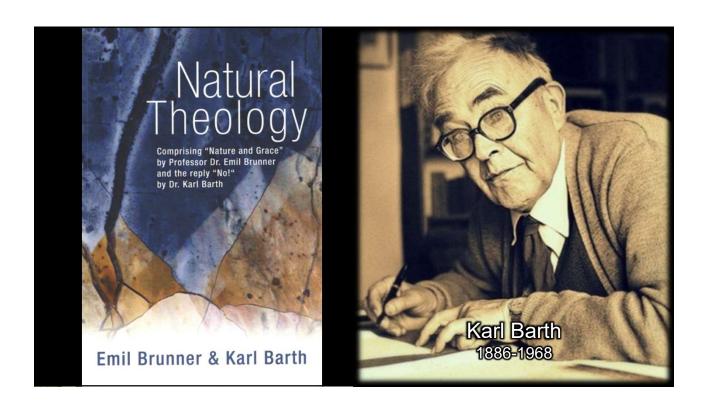






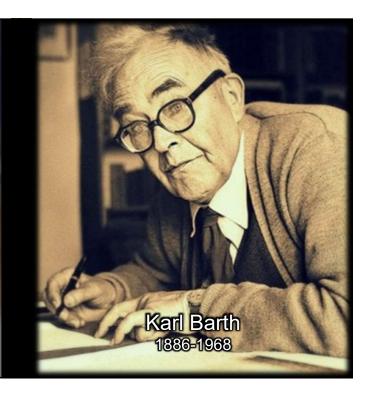


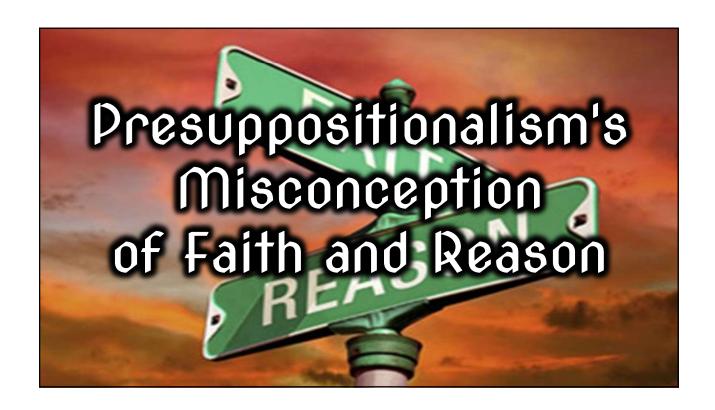


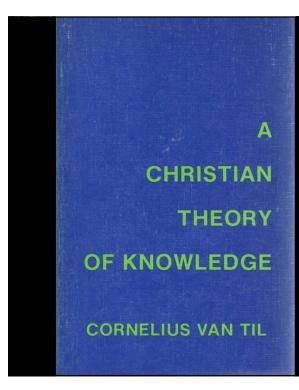


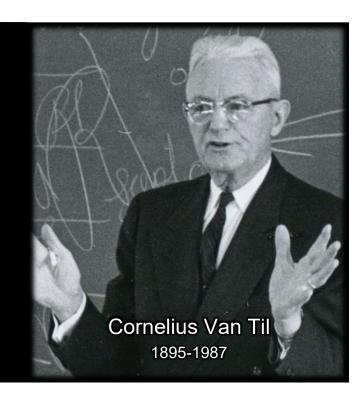
If one occupies oneself with real theology one can pass by so-called natural theology only as one would pass by an abyss into which it is inadvisable to step if one does not want to fall. All one can do is to turn one's back upon it as upon the great temptation and source or error, by having nothing to do with it ... "

[Karl Barth, "No!" trans. Peter Fraenkel, in Natural Theology: Comprising "Nature and Grace" by Professor Dr. Emil Brunner and the Reply "No!" by Dr. Karl Barth (Eugene: Wipf and Stock: 2002), 75]



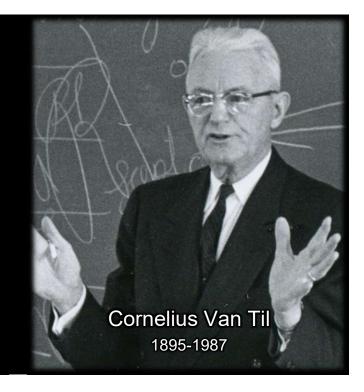


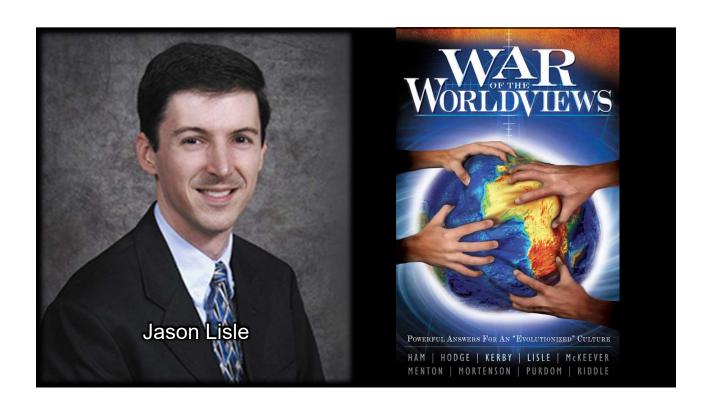


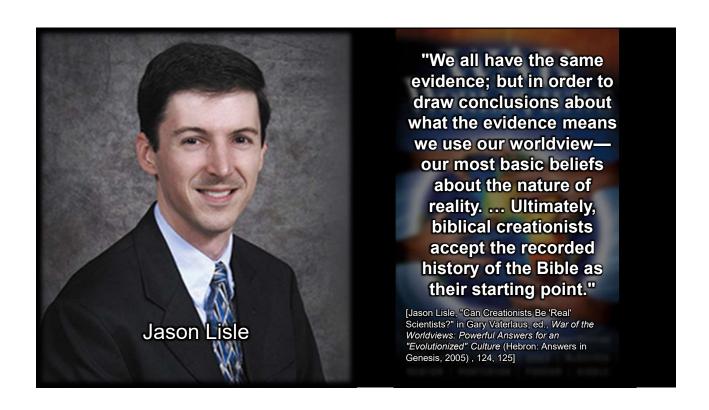


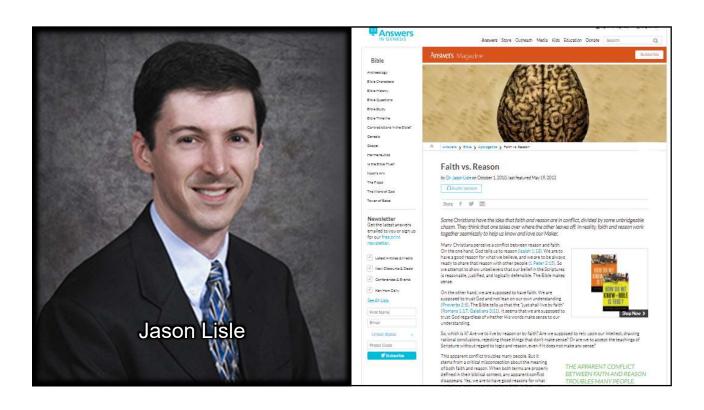
"Reason and fact cannot be brought into fruitful union with one another except upon the presupposition of the existence of God and his control over the universe."

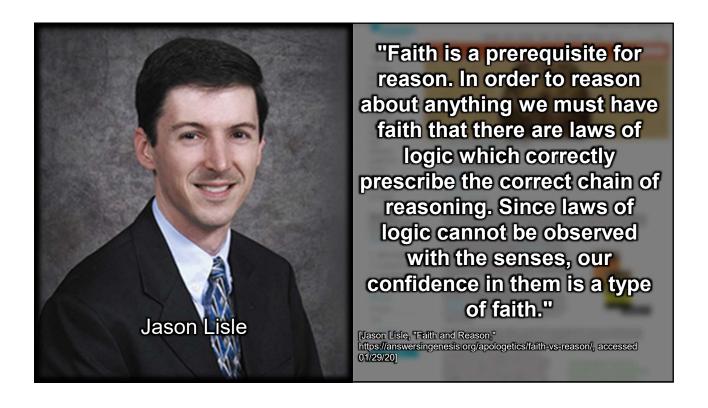
[Cornelius Van Til, *A Christian Theory of Knowledge* (Phillipsburg: Presbyterian and Reformed Publishing, 1975), 18]

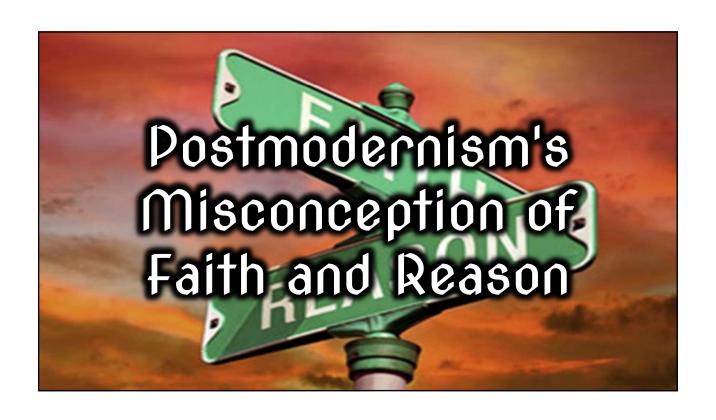


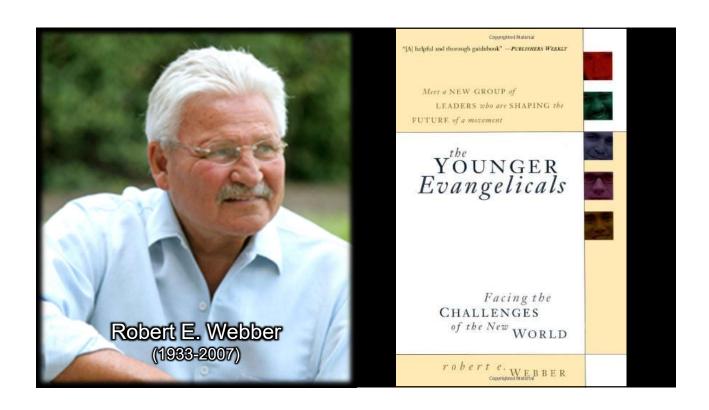


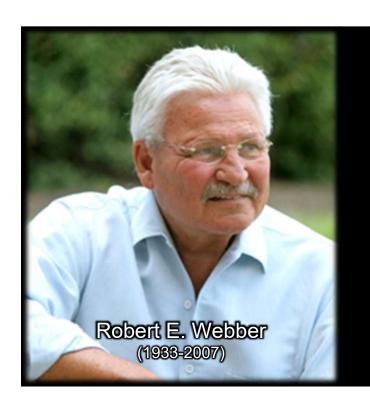




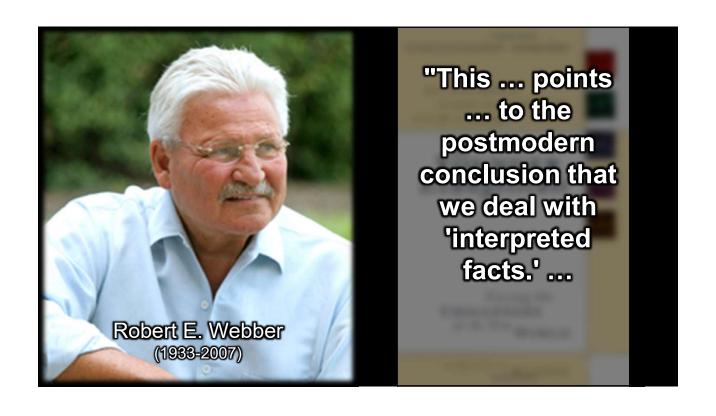


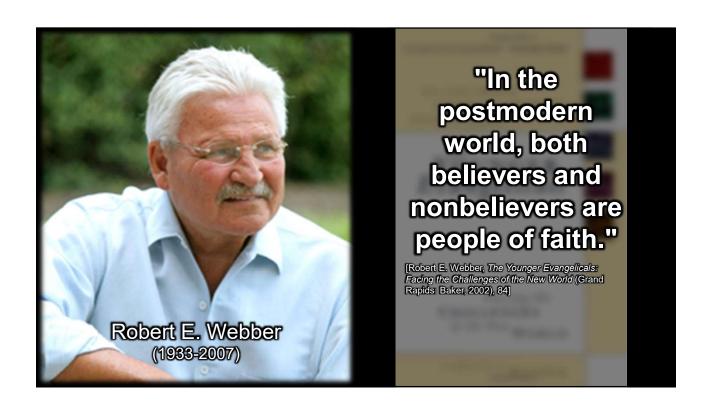


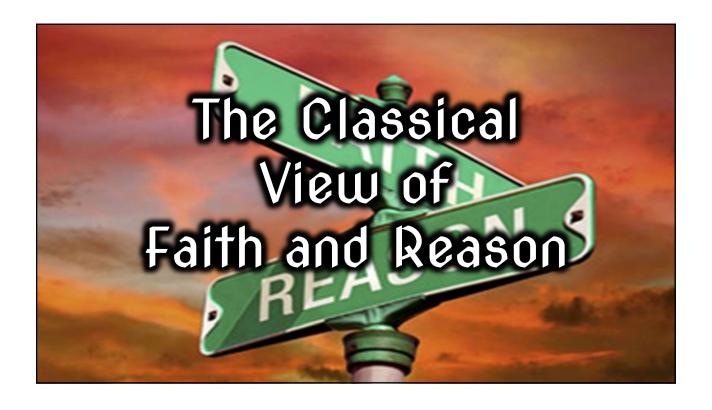


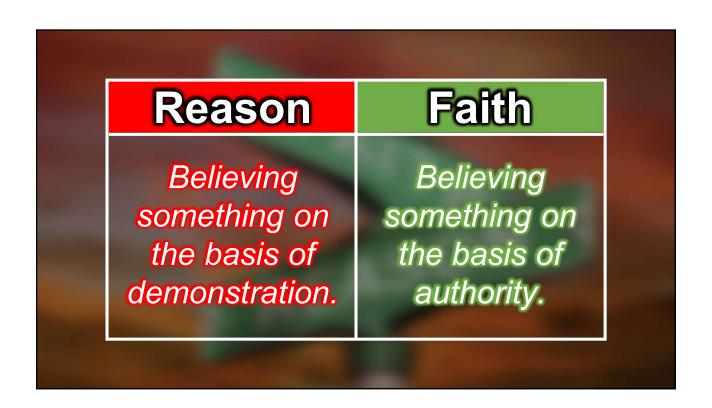


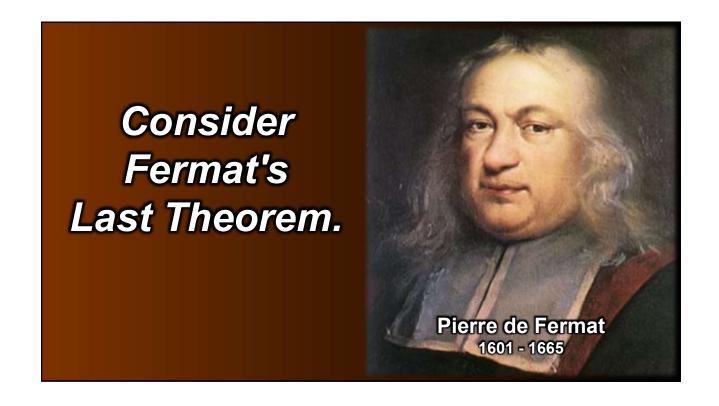
"In the twentyfirst century
world ... the new
attitude ... is that
the use of reason
and science to
prove or
disprove a fact is
questionable. ...

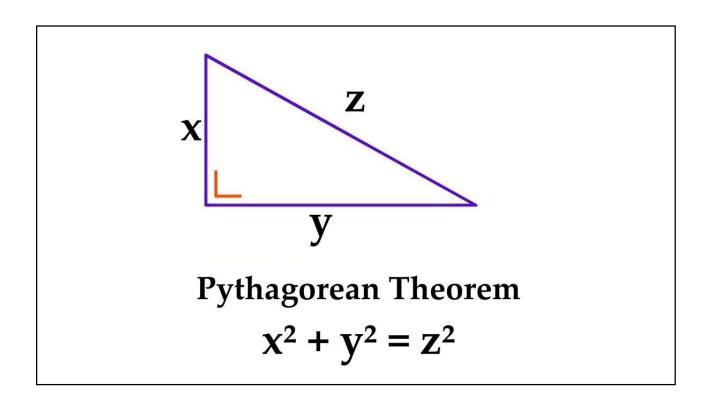


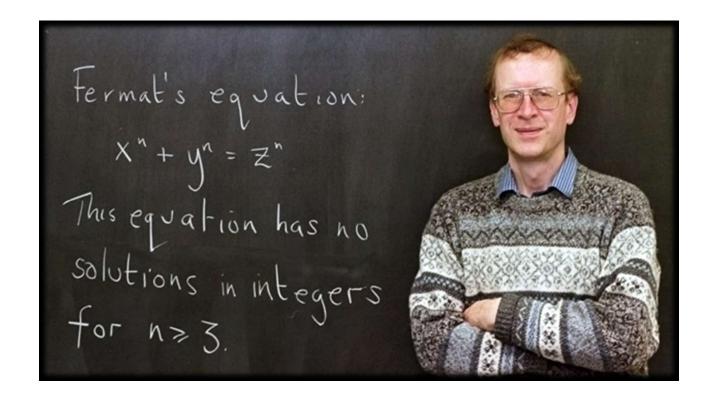












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Annals of Mathematics, 142 (1995), 443–551

### Modular elliptic curves and Fermat's Last Theorem

By Andrew Wiles\*

For Nada, Clare, Kate and Olivia

Cubum autem in duos cubos, aut quadratoquadratum in duos quadratoquadratos, et generaliter nullam in infinitum ultra quadratum potestatem in duos cjusdem nominis fas est dividere: cytus rei demonstrationem mirabilem sane detexi. Hanc marginis exiguitas

Pierre de Fermat

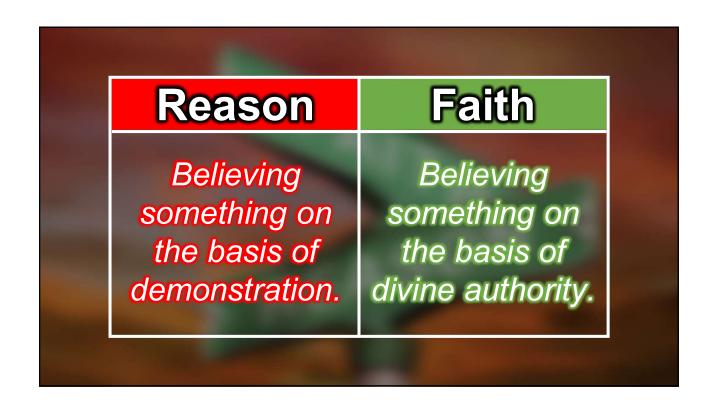
#### Introduction

An elliptic curve over  ${\bf Q}$  is said to be modular if it has a finite covering by a modular curve of the form  $X_0(N)$ . Any such elliptic curve has the property that its Hasses-Weil zeta function has an analytic continuation and satisfies a functional equation of the standard type. If an elliptic curve over  ${\bf Q}$  with a given j-invariant is modular then it is easy to see that all elliptic curves with the same j-invariant are modular (in which case we say that the j-invariant is modular). A well-known conjecture which grew out of the work of Shimura and Taniyama in the 1950's and 1960's asserts that every elliptic curve over  ${\bf Q}$  is modular. However, it only became widely known through its publication in a paper of Weil in 1967 [We] (as an exercise for the interested reader!), in which, moreover, Weil gave conceptual evidence for the conjecture. Although it had been numerically verified in many cases, prior to the results described in this paper it had only been known that finitely many j-invariants were modular.

oeen numericany vermed in many cases, prior to the results described in this paper it had only been known that finitely many j-invariants were modular.

In 1985 Frey made the remarkable observation that this conjecture should imply Fermat's Last Theorem. The precise mechanism relating the two was formulated by Serre as the \(\epsilon\)-conjecture and this was then proved by Ribet in the summer of 1986. Ribet's result only requires one to prove the conjecture for semistable elliptic curves in order to deduce Fermat's Last Theorem.

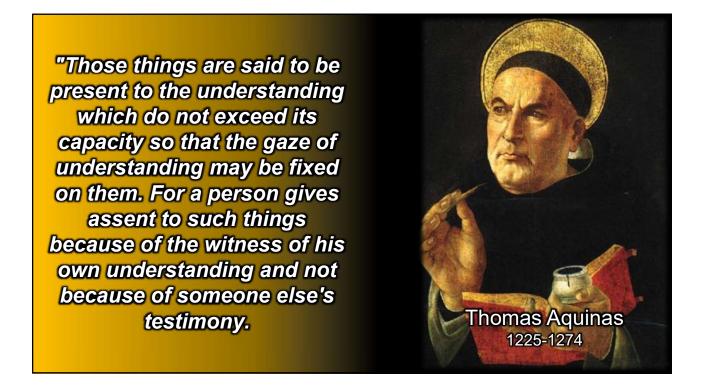


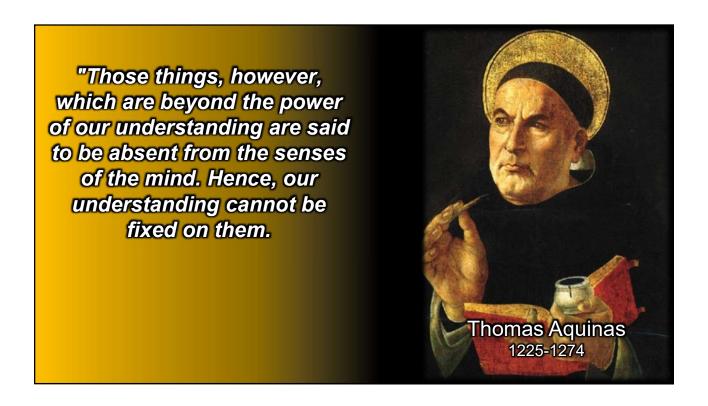


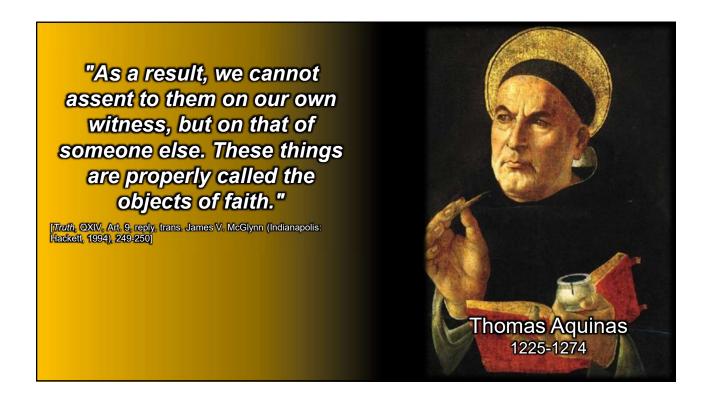
<sup>\*</sup>The work on this paper was supported by an NSF grant.

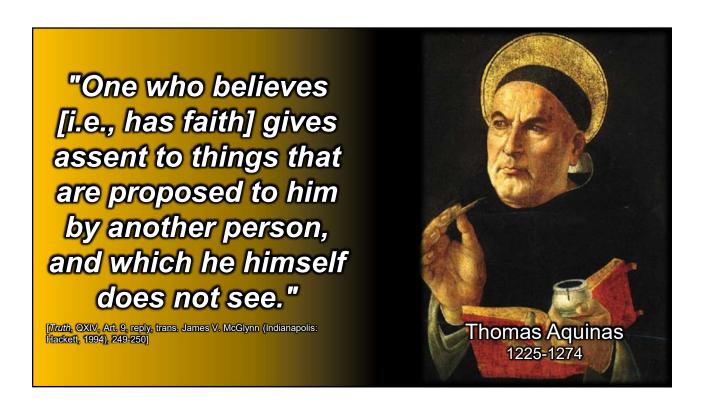
"For who cannot see that thinking [reason] is prior to believing [faith]? For no one believes anything unless he has first thought that it is to be believed.

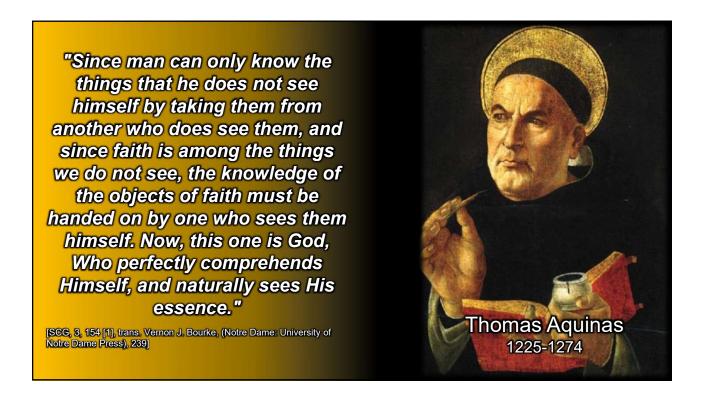
[On the Predestination of the Saints. 5. as cited in Norman L. Geisler, ed. What Augustine Says (Grand Rapids: Baker Book House, 1982), 13]

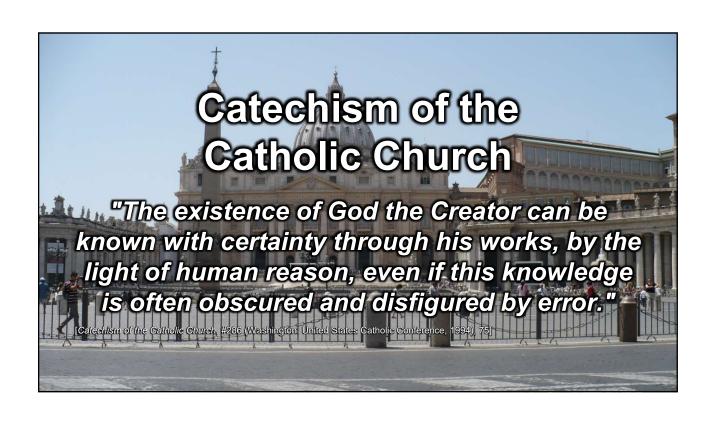


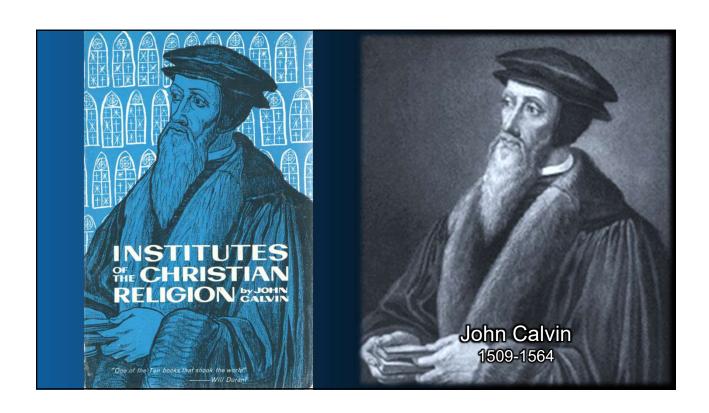






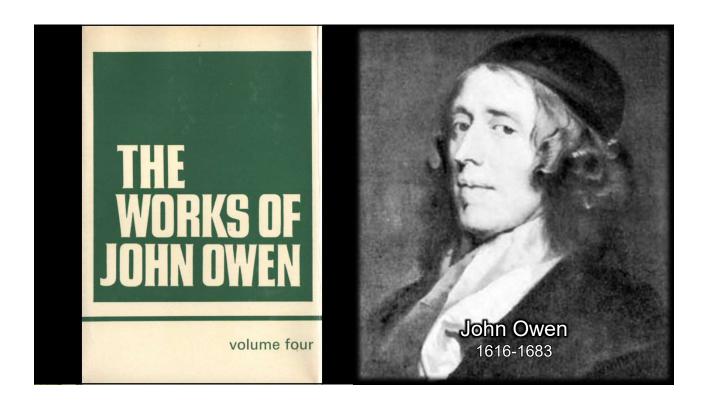






"Therefore in reading the profane authors, the admirable light of truth displayed in them should remind us, that the human mind, however much fallen and perverted from its original integrity, is still adorned and invested with admirable gifts from its Creator."

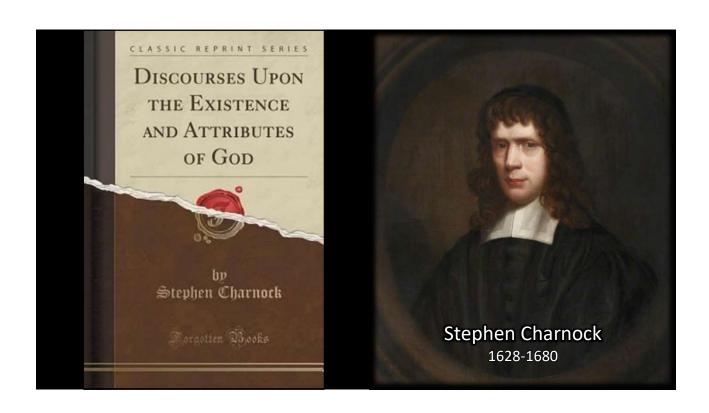
[Institutes of the Christian Religion.2.2.15, trans. Henry Beverlage. (Grand Rapids: William B. Erdmans). 236]



"There are sundry cogent arguments, which are taken from external considerations of the Scripture, that evince it on rational grounds to be from God. ... and ... are... necessary unto the confirmation of our faith herein against temptations, oppositions, and objections."

[John Owen, "The Reason of Faith," in The Works of John Owen, vol. 4, (Edinburgh: The Banner of Truth Trust, 1967), 20]





"Men that will not listen to Scripture ... cannot easily deny natural reason .... There is a natural as well as a revealed knowledge, and the book of the creatures is legible in declaring the being of a God ...."

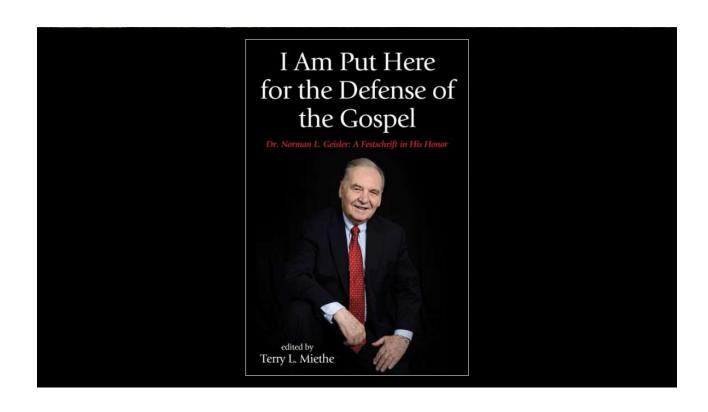
[Stephen Charnock, Discourses upon the Existence and Attributes of God (Grand Rapids: Baker, 1979),



"God in regard of his existence is not only the discovery of faith, but of reason. God hath revealed not only his being, but some sparks of his eternal power and godhead in his works, as well as in his word. ... It is a discovery of our reason ... and an object of our faith ... it is an article of our faith and an article of our reason."

[Stephen Charnock, *Discourses upon the Existence and Attributes of God* (Grand Rapids: Baker, 1979), 27.]





# CHAPTER 12

## Defending the Handmaid

How Theology Needs Philosophy

by Richard G. Howe

### Prolegomena

How Norman Geisler Helped Me in the Direction of My Life

How Norman Geisler Helped Me in the Direction of My Life

I was LED TO Christ in high school by Christian friends of mine. I grew spiritually about as much as one might expect a teenager to grow, becoming involved with my youth group at church and pursuing my interesting in drumming. After graduation, I headed to the community college to study music. I tell people that I learned enough music to annoy everyone around me. When it came time to consider senior college, Christian friends of mine told me that one could go to college and study the fibble. This sounded like a tremendous prospect to me, so of I went. I attended my denomination's ligaphy Christian college in my state. It was my first encounter with theological liberalism. My church had not prepared me to wrestle with issues like Higher Critician. As a result, I intellectually lot my faith in college, Looking back on that experience, I saw a range of responses among my friends who were confronted with the same intellectual challenges. Some of my friends with whom I had prayed in high school mockingly "asked Jesus to come out of their hearts' and repudiated their Christianity altogether. Others embraced the skepticism of the critical methods and settled for a more maintream liberal Christianity. Weither of these options seemed possible for me. I was not capable of completely abandoning my faith, as shippervecked as it was. But nether was I comfortable with any sort of liberal theology. Others of my friends tried to amputate their intellect mother faith and reject any attempt to come to terms with the challenges and questions posed by critical thinking. That, too, was not appealing to me. I knew that I could not embrace a faith that would not stand up to reason. With this, I lived in dissonnece for over a year.

The short version of the story has me being intellectually rescued by a handful af apologists. Through their books and fectures. God brought into my life people like join McDowell, R. C. Sproval, and Norman Geisler. To this mix were added the insigh

