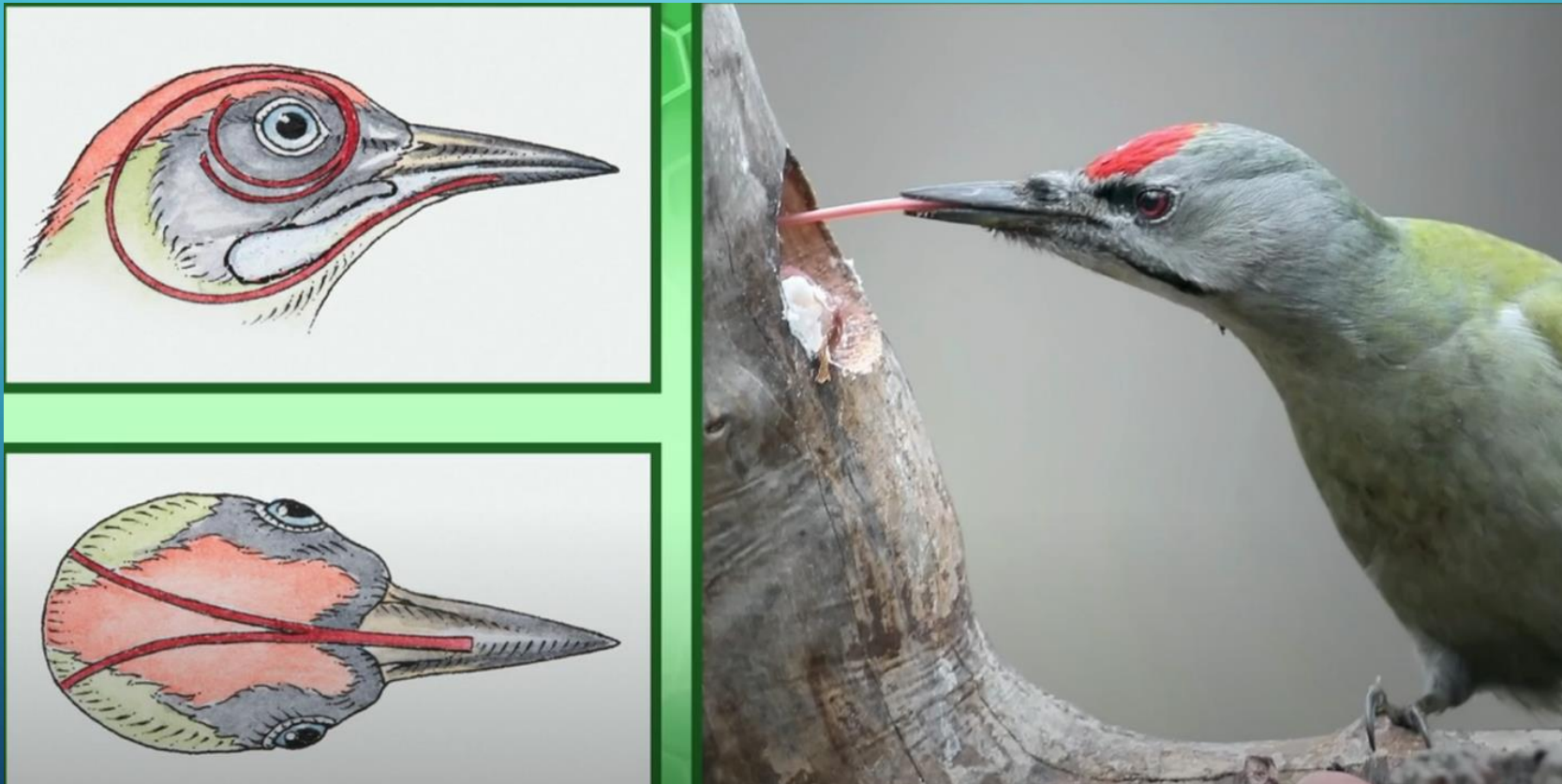


A decorative graphic on the left side of the slide consists of white lines and circles on a blue gradient background, resembling a circuit board or a stylized tree structure.

WORLDVIEW

UNIT 2- SCIENCE PT. 3- SCIENCE AND DARWIN

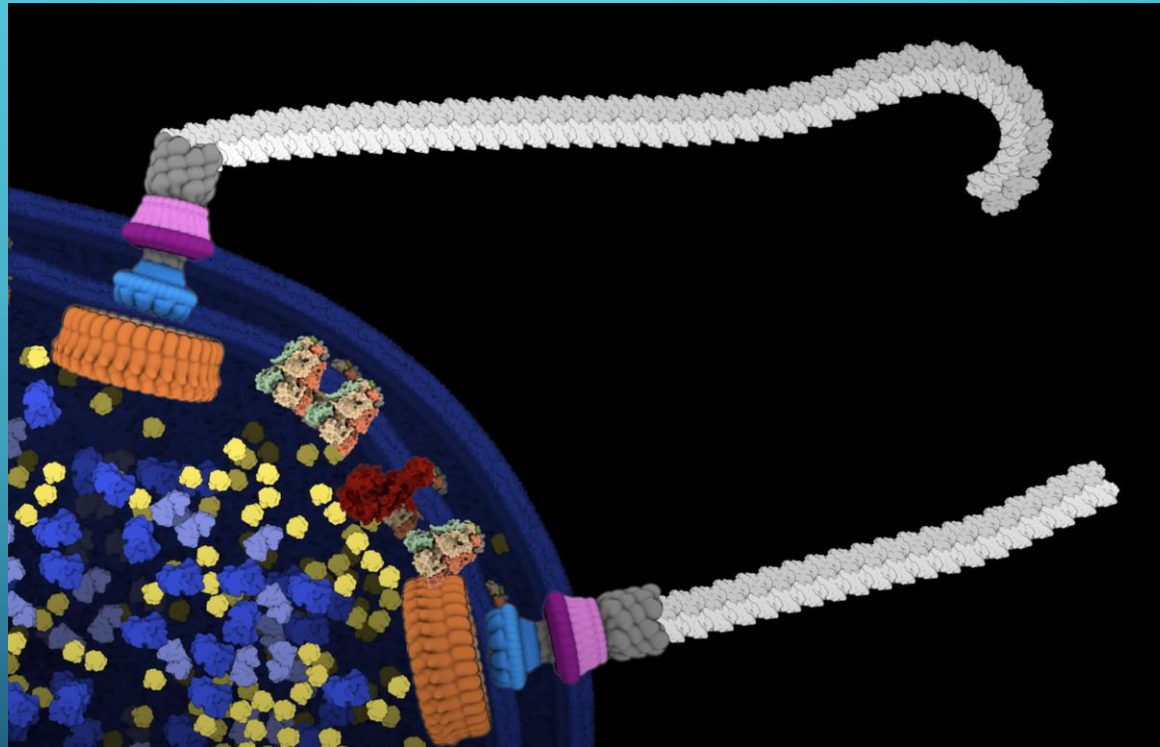
WISDOM OF GOD IN THE WOODPECKER



BACTERIA IN MOTION

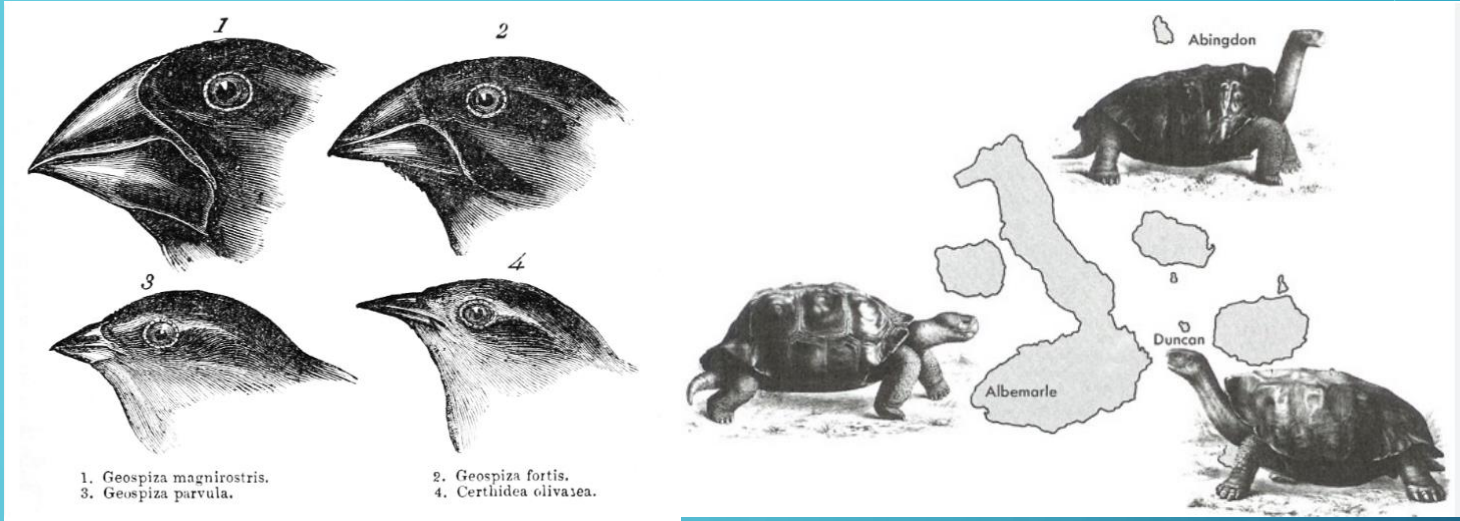
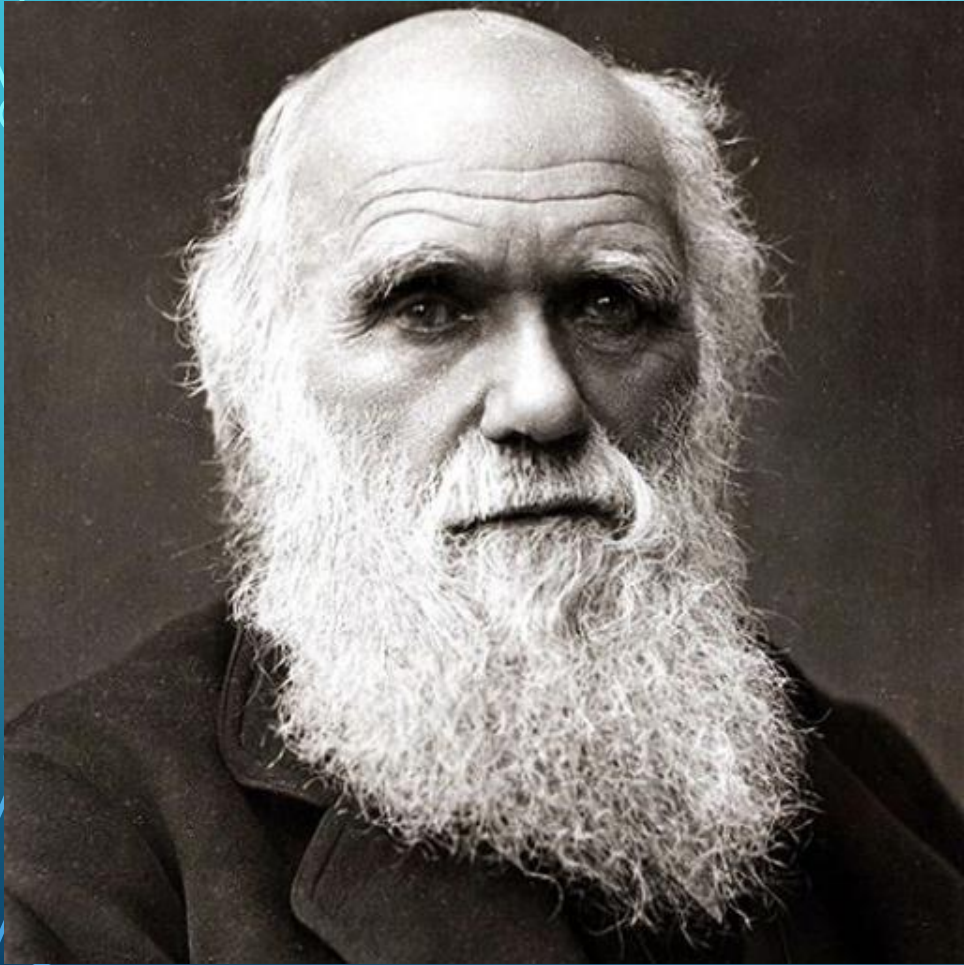


FLAGELLAR MOTOR



FLAGELLAR MOTOR





1. *Geospiza magnirostris*.
3. *Geospiza parvula*.

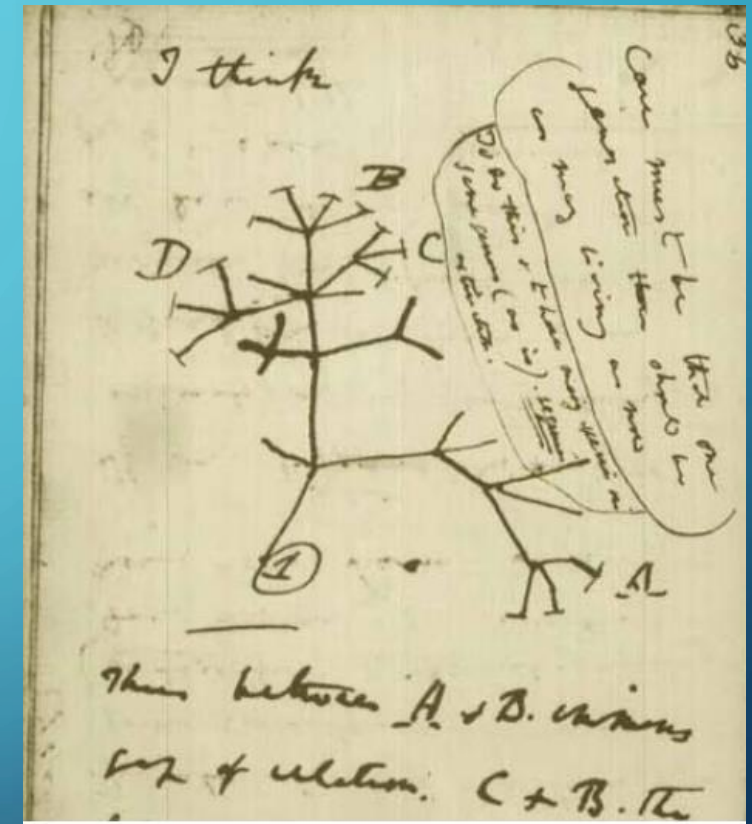
2. *Geospiza fortis*.
4. *Certhidea olivacea*.



Thomas Robert Malthus
XVIII

EVOLUTION

- 1. Fossil Record
- 2. Anatomical/ Embryonic/ and Gene Similarities
- 3. Vestigial Organs
- 4. Observable Experiments



BIBLICAL DATA

- Genesis 1-3
- Acts 17:26: made from one man every nation of mankind to live on all the face of the earth
- Romans 5: 12-21
- Romans 8:17-25
- 1 Corinthians 15: 21-22, 45-47

NO ADAM NO GOSPEL

- Gaffin: No Adam, No Gospel
- Gaffin: The truth of the gospel stands or falls with the historicity of Adam as the first human being from whom all other human beings descend.

GAFFIN: NO ADAM NO CHRIST

- 1. Covenantal structure of the Bible (Romans 5, 1 Corinthians 15)
 - 1 Corinthians 15:45, 47 “first” “last”/ Adam as the alpha/ Christ: omega
- 2. Necessity of Christ’s full solidarity with Adam and those who bear his image
 - “Christ cannot and does not redeem what he has not assumed, and what he has assumed is the nature of those who bear the image of Adam and as they do by natural descent.”
- 3. Eschatology

GAFFIN: NO ADAM NO CHRIST

- 4. Sin and the Curse

- Evolution destroys CFR
- No pre-fall fellowship
- Sin as “human givenness”

5. The Death and Resurrection

- Cross: to deal with guilt
- Resurrection: patterned after the Genesis 2:7

GAFFIN: NO ADAM NO CHRIST

- 6. The Authority of the Scriptures
 - Enns: Incarnational analogy for the Scriptures
 - Removes Divine authorship

“EVOLUTION OF ADAM”

- Pete Enns: The fact that Paul considered Adam to be progenitor of the human race does not mean that we need to find some way to maintain his view...we have to leave room for the ancient writers of Scripture to reflect and even incorporate their ancient, mistaken cosmologies into their scriptural reflections.



DENIALS OF THEISTIC EVOLUTION

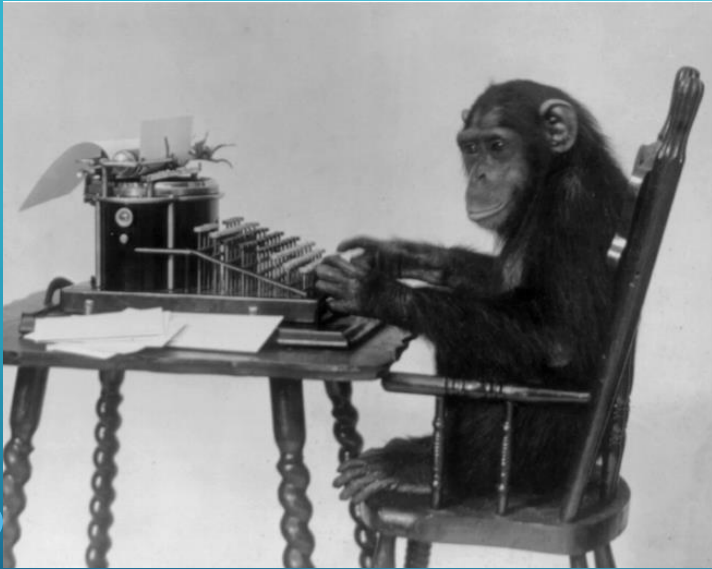
- Goodness of Creation
- Man created in God's image: equality of the races/ sexes/ distinct from the animals
- Sanctity of life, marriage, work, private property
- Original sin
- Predation after the Fall
- Human Death as a result of sin → Body of death → Bodily Resurrection → Resurrection
- Guilt of sin → Aggression is a means of survival and what it means to be human → Christ's death
- Covenantal Unity of the Bible: Adam as the First Man and Christ as the Second Adam
- Pre-fall fellowship with God
- Authority and Perspicuity of Scripture and Inspiration of Scripture: That versus How
- Post-fall groaning of Creation

GENERAL AND SPECIAL REVELATION

- Van Til: Mutually meaningless without one another and mutually fruitful when taken together
- Gaffin: Asymmetrical and Reciprocal

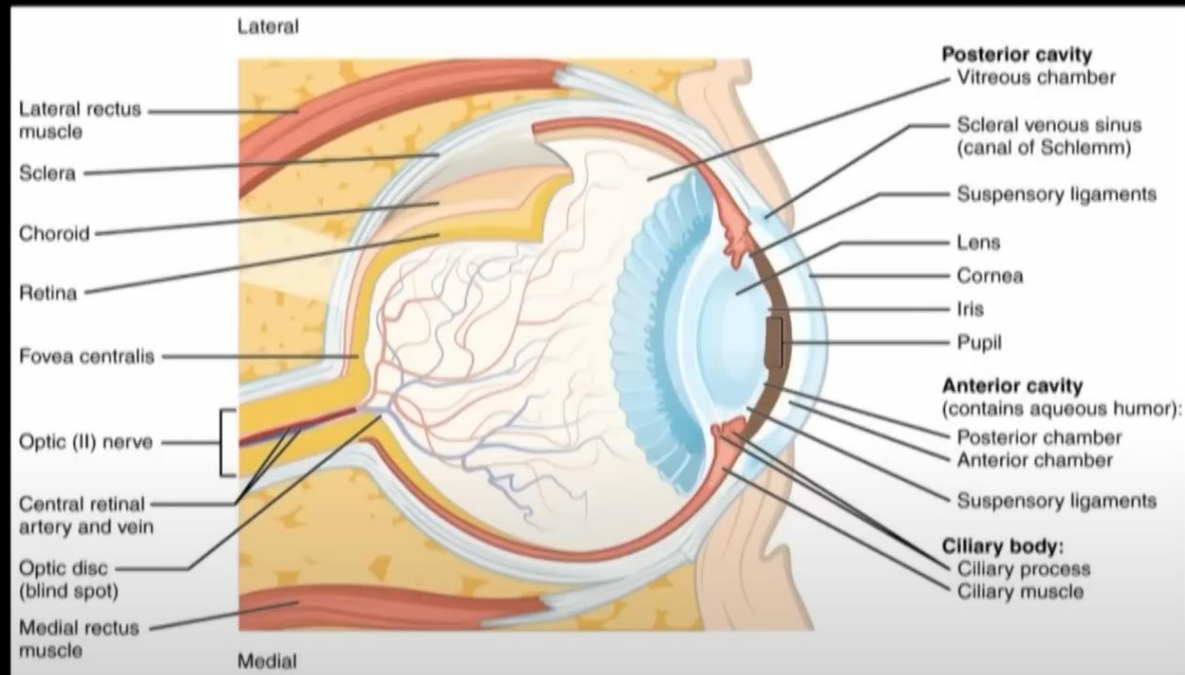


IRREDUCIBLE COMPLEXITY



HUMAN EYE

Structure of the Human Eye

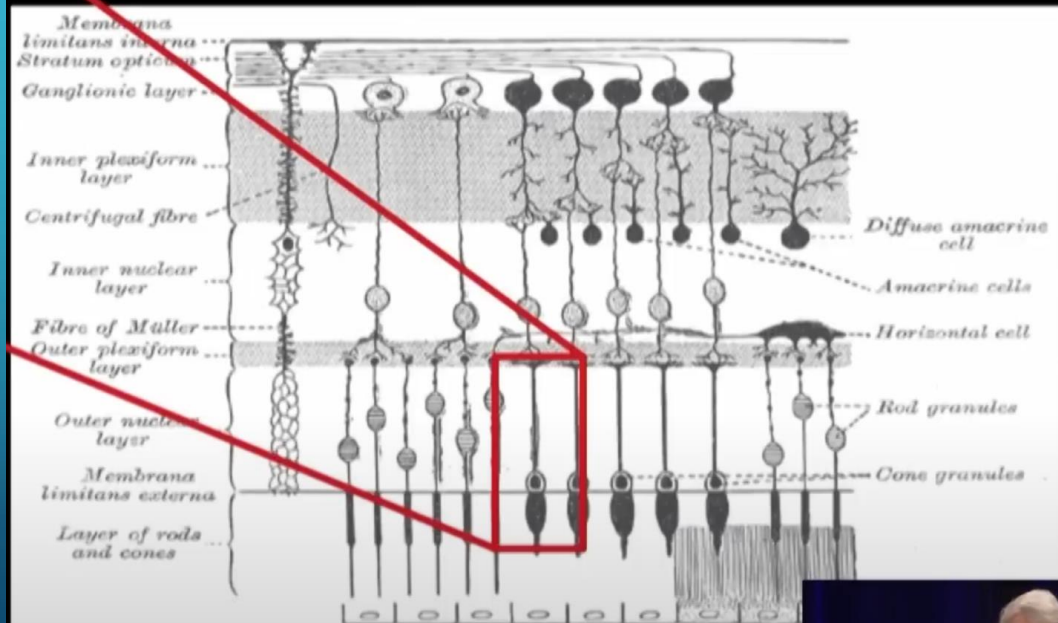


DARWIN ON THE EYE

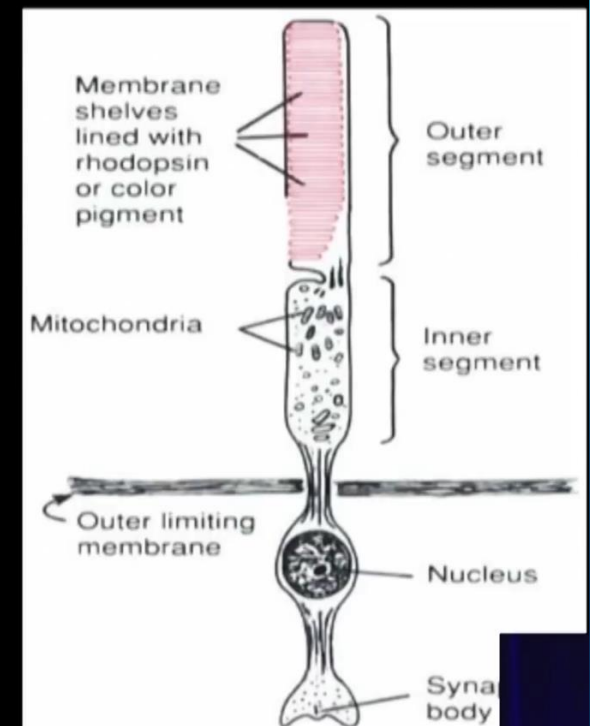
- Darwin: “It is curious that I remember well time when the thought of the eye made me cold all over, but I have got over this stage of the complaint, and now small trifling particulars of structure often make me very uncomfortable.”

HUMAN EYE

Retinal Layers

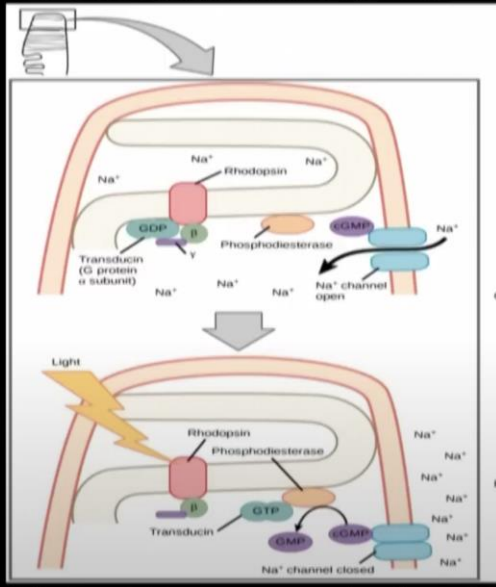


Retinal photoreceptor cell (rod or cone)

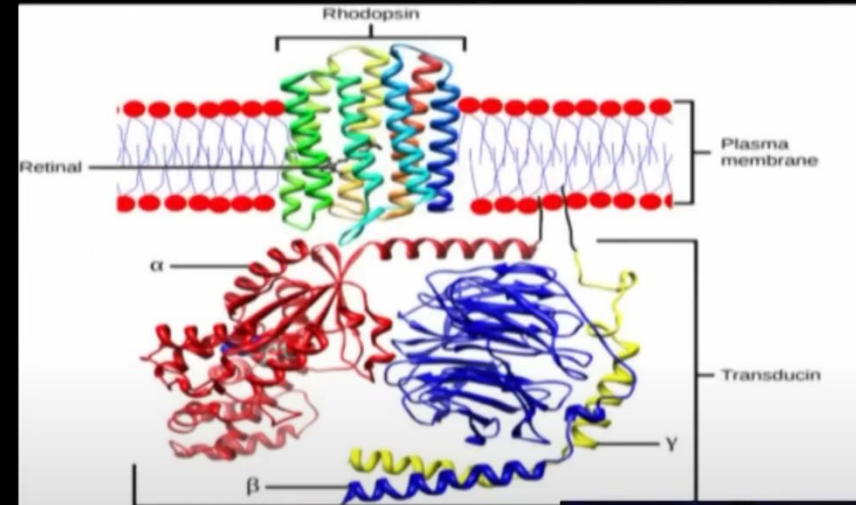


HUMAN EYE

Molecular Cascade in Phototransduction



Rhodopsin in Plasma Membrane



PROTEIN

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Hoyle: We must now admit to ourselves that the probability of life arising by chance by evolution is the same probability of throwing six in dice five million times.

Time issue

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PROTEIN

- $\frac{1}{10^{77}}$

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Time issue

PROTEIN

- $1/10^{77}$

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Time issue

MOUNT IMPROBABLE



TWO TEAMS OF ENGINEERS



BLIND WATCHMAKER



NATURAL SELECTION: HOW DOES THIS HAPPEN?

Darwin:

"It may be said that natural selection is daily and hourly scrutinizing, throughout the world, the slightest variations; rejecting those that are bad, preserving or adding up all that are good; silently and insensibly working, whenever and wherever opportunity offers ... We see nothing of these slow changes in progress, until the hand of time has marked the lapse of ages, and then so imperfect is our view into long-past geological ages, that we see only that the forms of life are now different from what they formerly were."

TWO TEAMS OF ENGINEERS



COMPATIBLE RECIPROCAL RELATIONSHIP

- Male and female
- Incremental development of the whole/ Incremental development of the parts that make up the whole
- Uniform rate of development/ simultaneous appearance
- Not a constant rate: Natural selection pressure





COMPATIBLE RECIPROCAL RELATIONSHIP

1. Man eating honey



HOW DO WE ACCOUNT FOR THIS?

- How do we know what trails are on the mountain?
- How do we know the trails are on the same mountain?
- How do we account for connection of compatibility if all is changing?
- Inference from the present to the past

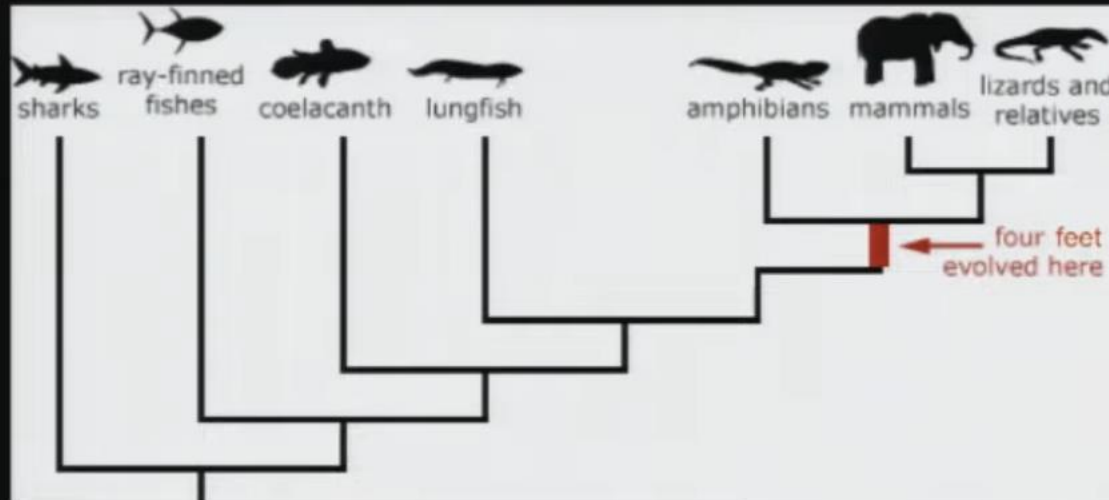
WHY RANDOM TO COMPLEX?



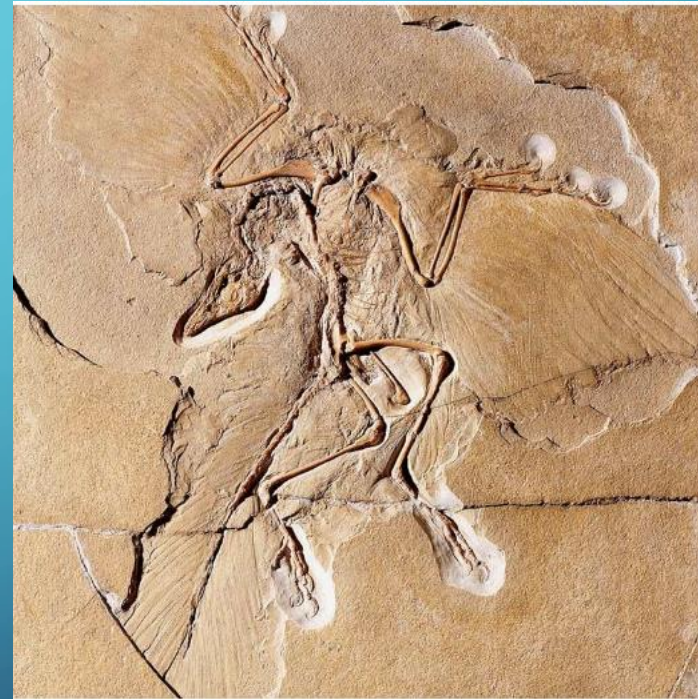
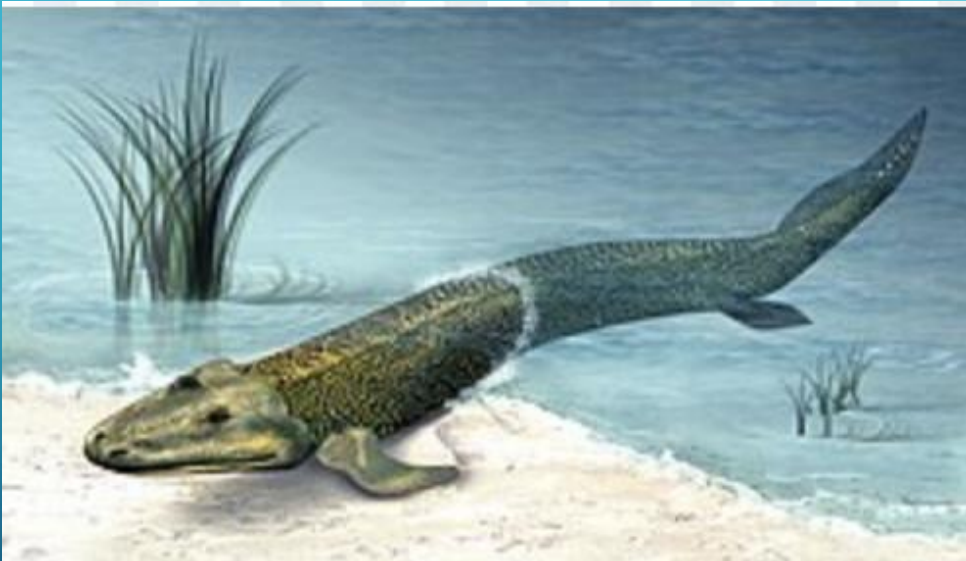
- Alex O'Connor: You see this incredibly complex watch. And then you discovered billions of years of watches that were *somehow able to reproduce themselves* and every time they reproduced they had different results (some ran faster, slower, etc.). But *for some reason whatever once are closer to accuracy* were more likely to keep reproducing.
- Ex. Computer (reducible to material causes)

1. FOSSIL RECORD

Researchers predicted a gap would be filled.



1. FOSSIL RECORD



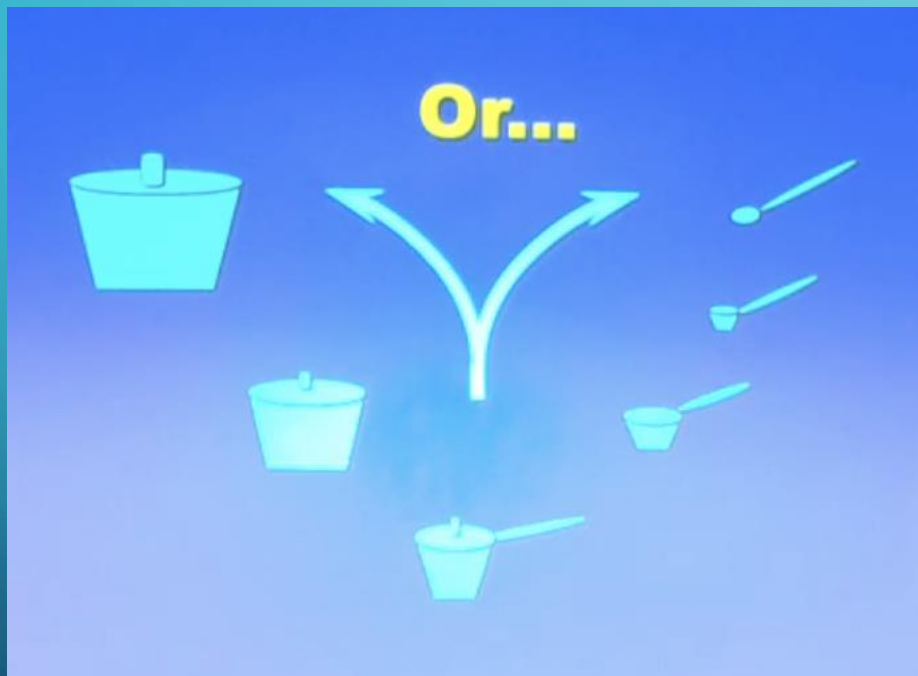
WHAT EVOLVED INTO WHAT?



WHAT EVOLVED INTO WHAT?

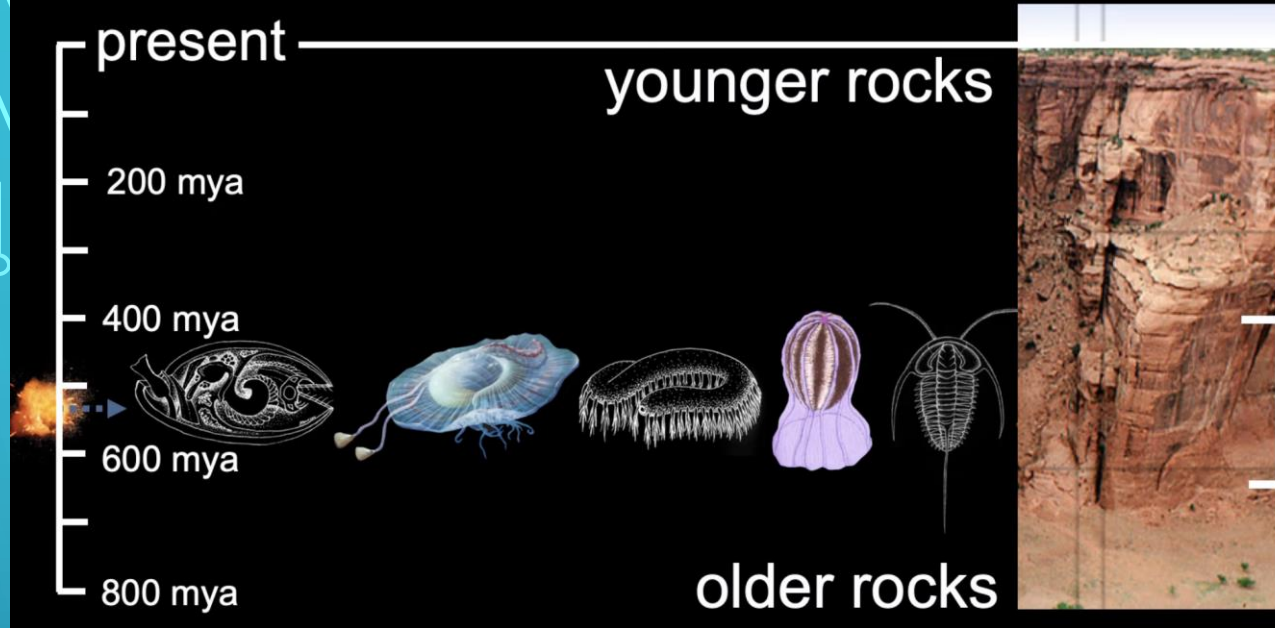


WHAT EVOLVED INTO WHAT?



Smithsonian: but the precise relationships between feathered dinosaurs and their avian relatives are still being worked out. There are so many fossils turning up at such a fast rate that the evolutionary tree of feathered dinosaurs is constantly undergoing a lot of changes.

The Cambrian Explosion of Animal Life



Darwin on the Cambrian Explosion

“To the question why we do not find rich fossiliferous deposits belonging to these assumed earliest periods prior to the Cambrian system, I can give no satisfactory answer....”

Charles Darwin
The Origin of Species (1859)



FOSSIL RECORD: WORLDVIEW LENS

- Disparity does not mean continuity
- Complexity does not imply discontinuity
- Appearance does not mean transition
- Lens: Present and Past



2. ANATOMICAL/ GENETIC SIMILARITIES

- Van Til: “If the arm of a man resembles the foreleg of a horse it does not prove that one has been derived from the other....Similarity never proves derivation.”
- “In fact, we should expect that, if one God created all species, there would be great similarity everywhere.”
- Image of God

3. VESTIGIAL ORGANS

- Kuyper: Normal/ Abnormal Antithesis
- Van Til: “With creation goes invariably the doctrine of sin- man’s breaking away from God. With this goes God’s punishment on man and on nature; hence all disease and corruption, including death in this world. Men are but atrophied replicas of their former selves.”

3. VESTIGIAL ORGANS: PINKY TOE

- Dawkins: Natural selection is very very intricate for more than we even know about. We are poor judges of what is important for survival... Natural selection is a much better statistician than we are... Natural selection has millions of years from which to choose successful toes and unsuccessful toes.
- Tyson: Without the pinky toe, there might have been some dead ancestor that would have ended that branch of the tree of life, and we would have never been here.
- Dawkins: Yes. That's right.

TRANSCENDENTAL

Theory of evolution



- “I believe in the theory of evolution because of the survival pressure of natural selection to move my material brain towards what brings about survival efficiency.”... “social cohesion and protection”
- Theory somehow from the material? Material leading to the theory? Theory only in place to aid the material process (belief itself is material and material is a product of the natural selection process)
- If another theory comes that better helps my survival, the theory of natural selection will be selected out of the species.



Consciousness, Truth, Non-Material, Mind
bent towards Truth

All is material, matter in motion

DARWIN'S DOUBT

- “But then with me the horrid doubt always arises whether the convictions of man's mind, which has been developed from the mind of the lower animals, are of any value or at all trustworthy. Would any one trust in the convictions of a monkey's mind, if there are any convictions in such a mind? [To William Graham 3 July 1881]”

DARWIN'S DOUBT

- "I am inclined," he writes, "to look at everything as resulting from designed laws, with the details, whether good or bad, left to the working out of what we may call chance. Not that this notion at all satisfies me. I feel most deeply that the whole subject is too profound for human intellect. A dog might as well speculate on the mind of Newton."

ROMANS 1

- ¹⁸ For the wrath of God is revealed from heaven against all ungodliness and unrighteousness of men, who by their unrighteousness suppress the truth. ¹⁹ For what can be known about God is plain to them, because God has shown it to them. ²⁰ For his invisible attributes, namely, his eternal power and divine nature, have been clearly perceived, ever since the creation of the world,^[g] in the things that have been made. So they are without excuse. ²¹ For although they knew God, they did not honor him as God or give thanks to him, but they became futile in their thinking, and their foolish hearts were darkened. ²² Claiming to be wise, they became fools, ²³ and exchanged the glory of the immortal God for images resembling mortal man and birds and animals and creeping things.

ROMANS 1

²⁴ Therefore God gave them up in the lusts of their hearts to impurity, to the dishonoring of their bodies among themselves, ²⁵ because they exchanged the truth about God for a lie and worshiped and served the creature rather than the Creator, who is blessed forever! Amen.

²⁶ For this reason God gave them up to dishonorable passions. For their women exchanged natural relations for those that are contrary to nature; ²⁷ and the men likewise gave up natural relations with women and were consumed with passion for one another, men committing shameless acts with men and receiving in themselves the due penalty for their error.

DARWIN AND SEXUAL IMMORALITY

- “Darwin is the kind of prophet of sexual liberation. If I think about the liberation of gay people, of LGBTQ people, then if you dig underneath, you eventually find Darwin. For centuries upon centuries, gay people were persecuted and oppressed because of this mythological idea about sex: that sex was created by God for the purpose of procreation, and if you use sex for anything else, you’re sinning against the purpose of the thing, so you must be punished. And then Darwin came, and Darwin said: in biology there are no purposes. Nothing has any purpose in biology. In biology there are only causes.”

SEXISM/ RACISM

- Darwin: *Man is more courageous, pugnacious and energetic than woman, and has a more inventive genius. His brain is absolutely larger, ...the average of mental power in man must be above that of woman.*
- How do we view one another?

ROMANS 1

- ²⁸ And since they did not see fit to acknowledge God, God gave them up to a debased mind to do what ought not to be done. ²⁹ They were filled with all manner of unrighteousness, evil, covetousness, malice. They are full of envy, murder, strife, deceit, maliciousness. They are gossips, ³⁰ slanderers, haters of God, insolent, haughty, boastful, inventors of evil.

SOCIAL DARWINISM

- “As many more individuals of each species are born than can possibly survive; and as, consequently, there is a frequently recurring struggle for existence.”

(On the Origin of Species, 1st ed., 1859, p. 5)

- How we view life/ death/ human flourishing?

WHY IS DARWINISM SO HEARTILY ACCEPTED?

- Van Til: God witnesses to them through every fact of the universe from the beginning of time. No rational creature can escape this witness. It is the witness of the triune God, whose face is before men everywhere, and all the time. Even the lost in the hereafter cannot escape the revelation of God. God made man a rational and moral creature. He will always be that. As such, he is confronted with God. He is addressed by God.
- Van Til: Natural or general revelation speaks with as much authority and as directly as does the Bible, albeit in a different manner and not on redemption.

PROTECT CHRIST'S LITTLE ONES

- Van Til: “But he is restored in principle only. There is a drag upon him. This “old man” wants him to interpret nature apart from the supernatural revelation in which he operates. The only safeguard against this historical drag is to test his interpretations constantly by the principles of the Written Word.”