Molecular Machines

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INTRODUCTION

- We live in an age when the new atheists are very evangelistic. They are trying to convert people to be atheists.
- God has opened up these vistas to mankind. He has provided us so much more information about his natural world. And in my mind, it's a greater way to glorify him the more you know.
- I want young people to know somebody's been studying this material at the highest level and is still a strong and firm believer in God.

1 God Seen by the Things That Are Made

- For since the creation of the world, his invisible attributes are clearly seen, being understood by the things that are made, even his eternal power in Godhead.
- Science cannot investigate God directly. It's impossible. Science can only investigate nature.
- This passage says you can see him indirectly by looking at things that are designed.
- We know enough, as mankind has in every generation, to know somebody built this. This did not come about without a designer.

2 Dawkins and the Blind Watchmaker

- Biology is the study of complicated things that give the appearance of having been designed for a purpose.
- All appearances to the contrary, the only watchmaker in nature is the blind forces of physics, albeit deployed in a very special way.
- And from there he spends 300 pages trying to convince you that all the things that look like they're designed are not designed.

3 Darwin's Numerous Successive Slight Modifications

- I say it's time to revisit the argument from design.
- Even the simplest forms of life at the biochemical level contain massive amounts of digital information being produced and used to make an untold number of molecular machines and complex processes.
- If it could be demonstrated that any complex organ existed, which could not possibly have been formed by numerous successive slight modifications, my theory would absolutely break down.
- What he believed happened was there's small changes in a population which add up over time to make big changes.

4 The Cell: A Self-Replicating Nanoscale Robot

- It's a robot because its activities are carried out unconsciously and automatically by precision molecular machines that follow ordinary physical laws.
- It weighs about a thousand times more than he does. They carry stuff. They're cargo carriers.
- Mitosis is when one cell divides into two identical daughter cells.
- If that didn't happen, you'd be dead in a matter of minutes. And it's utterly dependent on complex machines.

5 The Bacterial Flagellum: The Most Efficient Machine

- A flagellum is a promontory that comes off of something that rotates, that allows it to swim and move.
- Howard Berg, Harvard biophysicist, expert on E. coli, says it has the most efficient machine in the universe.
- Its motor rotates anywhere from 6,000 to 17,000 revolutions per minute.
- Nobody on earth would think that a racing motor evolved by small stages over long periods of time. By natural causes.

6 Built From the Bottom Up by the Cell Itself

- The new flagellum has to be built. And it is built from the bottom up by the cell itself.
- This happens exactly the same way, only there's no straw boss.
- This is thing is building its own tower. The timing is critically important. The order of which that happens.
- When that filament is finished being built, it has over thirty thousand units of filament.

> THE CHALLENGE
>
> **You tell me. Don't answer out loud. Just tell me in your own mind. Which of those is more reasonable for you.**

MY NOTES