

Episode 167 - "Epicurus And His Philosophy" Part 20

- Chapter 9 - The New Physics 02

Post by "Cassius" of March 26, 2023 at 10:04 AM

On the issue of motion - Thomas Paine, who is otherwise very similar to Epicurus in arguing against supernatural gods, stumbles and concludes that motion proves the existence of god. This show the significance of epicurus' position on motion:

[Thomas Paine Existence Of God » Internet Infidels](#)

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[Quote from Thomas Paine - On The Existence of God](#)

Let us examine this subject; it is worth examining; for if we examine it through all its cases, the result will be, that the existence of a SUPERIOR CAUSE, or that which man calls GOD, will be discoverable by philosophical principles.

In the first place, admitting matter to have properties, as we see it has, the question still remains, how came matter by those properties? To this they will answer, that matter possessed those properties eternally. This is not solution, but assertion; and to deny it is equally as impossible of proof as to assert it. It is then necessary to go further; and therefore I say, — if there exist a circumstance that is 'not' a property of matter, and without which the universe, or to speak in a limited degree, the solar system composed of planets and a sun, could not exist a moment, all the arguments of Atheism, drawn from properties of matter, and applied to account for the universe, will be overthrown, and the existence of a superior cause, or that which man calls God, becomes discoverable, as is before said, by natural philosophy.

I go now to show that such a circumstance exists, and what it is.

The universe is composed of matter, and, as a system, is sustained by motion. Motion is 'not a property' of matter, and without this motion, the solar system could not exist. Were motion a property of matter, that undiscovered and undiscoverable thing called perpetual motion would establish itself. It is because motion is not a property of matter, that perpetual motion is an impossibility in the hand of every being but that of the Creator of motion. When the pretenders to Atheism can produce perpetual motion, and not till then, they may expect to be credited.

The natural state of matter, as to place, is a state of rest. Motion, or change of place, is the effect of an external cause acting upon matter. As to that faculty of matter that is called gravitation, it is the influence which two or more bodies have reciprocally on each other to unite and be at rest. Every thing which has hitherto been discovered, with respect to the motion of the planets in the system, relates only to the laws by which motion acts, and not to the cause of motion. Gravitation, so far from being the cause of motion to the planets that compose the solar system, would be the destruction of the solar system, were revolutionary motion to cease; for as the action of spinning upholds a top, the revolutionary motion upholds the planets in their orbits, and prevents them from gravitating and forming one mass with the sun. In one sense of the word, philosophy knows, and atheism says, that matter is in perpetual motion. But the motion here meant refers to the state of matter, and that only on the surface of the earth. It is either decomposition, which is continually destroying the form of bodies of matter, or recomposition, which renews that matter in the same or another form, as the decomposition of animal or vegetable substances enter into the composition of other bodies. But the motion that upholds the solar system is of an entire different kind, and is not a property of matter. It operates also to an entire different effect. It operates to 'perpetual preservation,' and to prevent any change in the state of the system.

Giving then to matter all the properties which philosophy knows it has, or all that atheism ascribes to it, and can prove, and even supposing matter to be eternal, it will not account for the system of the universe, or of the solar system, because it will not account for motion, and it is motion that preserves it. When, therefore, we discover a circumstance of such immense importance, that without it the universe could not exist, and for which neither matter, nor any nor all the properties can account, we are by necessity forced into the rational conformable belief of the existence of a cause superior to matter, and that cause man calls GOD.

As to that which is called nature, it is no other than the laws by which motion and action of every kind, with respect to unintelligible matter, is regulated. And when we speak of looking through nature up to nature's God, we speak philosophically the same rational language as when we speak of looking through human laws up to the power that ordained them.

God is the power of first cause, nature is the law, and matter is the subject acted upon.

But infidelity, by ascribing every phenomenon to properties of matter, conceives a system for which it cannot account, and yet it pretends to demonstration. It reasons from what it sees on the surface of the earth, but it does not carry itself on the solar system existing by motion. It sees upon the surface a perpetual decomposition and recomposition of matter. It sees that an oak produces an acorn, an acorn an oak, a bird an egg, an egg a bird, and so on. In things of this kind it sees something which it calls a natural cause, but none of the causes it sees is the cause of that motion which

preserves the solar system.

Let us contemplate this wonderful and stupendous system consisting of matter, and existing by motion. It is not matter in a state of rest, nor in a state of decomposition or recomposition. It is matter systematized in perpetual orbicular or circular motion. As a system that motion is the life of it: as animation is life to an animal body, deprive the system of motion, and, as a system, it must expire. Who then breathed into the system the life of motion? What power impelled the planets to move, since motion is not a property of the matter of which they are composed? If we contemplate the immense velocity of this motion, our wonder becomes increased, and our adoration enlarges itself in the same proportion. To instance only one of the planets, that of the earth we inhabit, its distance from the sun, the centre of the orbits of all the planets, is, according to observations of the transit of the planet Venus, about one hundred million miles; consequently, the diameter of the orbit, or circle in which the earth moves round the sun, is double that distance; and the measure of the circumference of the orbit, taken as three times its diameter, is six hundred million miles. The earth performs this voyage in three hundred and sixty-five days and some hours, and consequently moves at the rate of more than one million six hundred thousand miles every twenty-four hours.

Where will infidelity, where will atheism, find cause for this astonishing velocity of motion, never ceasing, never varying, and which is the preservation of the earth in its orbit? It is not by reasoning from an acorn to an oak, from an egg to a bird, or from any change in the state of matter on the surface of the earth, that this can be accounted for. Its cause is not to be found in matter, nor in any thing we call nature. The atheist who affects to reason, and the fanatic who rejects reason, plunge themselves alike into inextricable difficulties. The one perverts the sublime and enlightening study of natural philosophy into a deformity of absurdities by not reasoning to the end. The other loses himself in the obscurity of metaphysical theories, and dishonours the Creator, by treating the study of his works with contempt. The one is a half-rational of whom there is some hope, the other a visionary to whom we must be charitable.

When at first thought we think of a Creator, our ideas appear to us undefined and confused; but if we reason philosophically, those ideas can be easily arranged and simplified. 'It is a Being whose power is equal to his will.' Observe the nature of the will of man. It is of an infinite quality. We cannot conceive the possibility of limits to the will. Observe, on the other hand, how exceedingly limited is his power of acting compared with the nature of his will. Suppose the power equal to the will, and man would be a God. He would will himself eternal, and be so. He could will a creation, and could make it. In this progressive reasoning, we see in the nature of the will of man half of that which we conceive in thinking of God; add the other half, and we have the whole idea of a being who could make the universe, and sustain it by perpetual motion; because he could create that motion.

We know nothing of the capacity of the will of animals, but we know a great deal of the difference of their powers. For example, how numerous are the degrees, and how immense is the difference of power, from a mite to a man. Since then every thing we see below us shows a progression of power, where is the difficulty in supposing that there is, 'at the summit of all things,' a Being in whom an infinity of power unites with the infinity of the will. When this simple idea presents itself to our mind, we have the idea of a perfect Being, that man calls God.

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