

The Old Universe



- ☆ View of the universe was derived from Ptolemy, Aristotle.
- ☆ Heavens were perfect.
- ☆ Relied on observation and conclusion – hence a **Geocentric** view.
 - ☆ "The world at the center with the heavens, planets etc pushed around crystal spheres by angels."
- ☆ **Idea of experience, experiment and empiricism (more later...)**
- ☆ This was supported by the Church! WHY?

On Aristotle On The Heavens 15 9

Brad Inwood



On Aristotle On The Heavens 15 9:

Simplicius: On Aristotle On the Heavens 1.5-9 Simplicius,2014-04-22 Aristotle argues in On the Heavens 1 5 7 that there can be no infinitely large body and in 1 8 9 that there cannot be more than one physical world As a corollary in 1 9 he infers that there is no place vacuum or time beyond the outermost stars As one argument in favour of a single world he argues that his four elements earth air fire and water have only one natural destination apiece Moreover they accelerate as they approach it and acceleration cannot be unlimited However the Neoplatonist Simplicius who wrote the commentary in the sixth century AD here translated into English tells us that this whole world view was to be rejected by Strato the third head of Aristotle s school At the same time he tells us the different theories of acceleration in Greek philosophy **Simplicius:**

On Aristotle On the Heavens 2.1-9 Simplicius,2014-04-22 Aristotle believed that the outermost stars are carried round us on a transparent sphere There are directions in the universe and a preferred direction of rotation The sun moon and planets are carried on different revolving spheres The spheres and celestial bodies are composed of an everlasting fifth element which has none of the ordinary contrary properties like heat and cold which could destroy it but only the facility for uniform rotation But this creates problems as to how the heavenly bodies create light and in the case of the sun heat The value of Simplicius commentary on On the Heavens 2 1 9 lies both in its preservation of the lost comments of Alexander and in Simplicius controversy with him The two of them discuss not only the problem mentioned but also whether soul and nature move the spheres as two distinct forces or as one Alexander appears to have simplified Aristotle s system of 55 spheres down to seven and some hints may be gleaned as to whether simplifying further he thinks there are seven ultimate movers or only one

Simplicius: On Aristotle On the Heavens 2.10-14 Simplicius,2014-04-22 Aristotle believed that the outermost stars are carried round us on a transparent sphere There are directions in the universe and a preferred direction of rotation The sun moon and planets are carried on different revolving spheres The spheres and celestial bodies are composed of an everlasting fifth element which has none of the ordinary contrary properties like heat and cold which could destroy it but only the facility for uniform rotation But this creates problems as to how the heavenly bodies create light and in the case of the sun heat The topics covered in this part of Simplicius commentary are the speeds and distances of the stars that the stars are spherical why the sun and moon have fewer motions than the other five planets why the sphere of the fixed stars contains so many stars whereas the other heavenly spheres contain no more than one Simplicius has a long excursus on planetary theory in his commentary on this chapter discussion of people s views on the position motion or rest shape and size of the earth that the earth is a relatively small sphere at rest in the centre of the cosmos **Simplicius: On Aristotle On the**

Heavens 1.10-12 Simplicius,2014-04-22 In the three chapters of On the Heavens dealt with in this volume Aristotle argues that the universe is ungenerated and indestructible In Simplicius commentary translated here we see a battle royal between the Neoplatonist Simplicius and the Aristotelian Alexander whose lost commentary on Aristotle s On the Heavens Simplicius

partly preserves Simplicius rival the Christian Philoponus had conducted a parallel battle in his *Against Proclus* but had taken the side of Alexander against Proclus and other Platonists arguing that Plato's *Timaeus* gives a beginning to the universe Simplicius takes the Platonist side denying that Plato intended a beginning The origin to which Plato refers is according to Simplicius not a temporal origin but the divine cause that produces the world without beginning *Simplicius: On Aristotle On the Heavens 1.1-4* Simplicius, 2014-04-10 In chapter 1 of *On the Heavens* Aristotle defines body and then notoriously ruptures dynamics by introducing a fifth element beyond Plato's four to explain the rotation of the heavens which like nearly all Greeks Aristotle took to be real not apparent Even a member of his school Xenarchus we are told rejected his fifth element The Neoplatonist Simplicius seeks to harmonise Plato and Aristotle Plato he says thought that the heavens were composed of all four elements but with the purest kind of fire namely light predominating That Plato would not mind this being called a fifth element is shown by his associating with the heavens the fifth of the five convex regular solids recognised by geometry Simplicius follows Aristotle's view that one of the lower elements fire also rotates as shown by the behaviour of comets But such motion though natural for the fifth elements is super natural for fire Simplicius reveals that the Aristotelian Alexander of Aphrodisias recognised the need to supplement Aristotle and account for the annual approach and retreat of planets by means of Ptolemy's epicycles or eccentrics Aristotle's philosopher god is turned by Simplicius following his teacher Ammonius into a creator god like Plato's But the creation is beginningless as shown by the argument that if you try to imagine a time when it began you cannot answer the question Why not sooner In explaining the creation Simplicius follows the Neoplatonist expansion of Aristotle's four causes to six The final result gives us a cosmology very considerably removed from Aristotle's *The Philosophy of the Commentators, 200-600 AD: Psychology (with ethics and religion)* Richard Sorabji, 2005 This is the first work to draw on the four hundred years of transition from ancient Greek philosophy to the medieval philosophy of Islam and the West During this period philosophy was often written in the form of commentaries on the works of Plato and Aristotle Many ideas wrongly credited to the Middle Ages derive from these centuries such as that of impetus in dynamics and intentional objects in philosophy of mind The later Neoplatonist commentators fought a losing battle with Christianity but inadvertently made Aristotle acceptable to Christians by ascribing to him belief in a Creator God and human immortality The commentators provide a panorama of up to a thousand years of Greek philosophy much of which would otherwise be lost They also serve as the missing link essential for understanding the subsequent history of Western philosophy Volume 1 deals with psychology which for the Neoplatonist commentators was the gateway to metaphysics and theology It was the subject on which Plato and Aristotle disagreed most and on which the commentators went furthest beyond them in their search for synthesis Ethics and religious practice fall naturally under psychology and are included in this volume All sources appear in English translation and are carefully linked and cross referenced by editorial comment and explanation Bibliographies are provided throughout **Metaphysics, Soul, and Ethics in Ancient Thought** Ricardo

Salles,2005-02-03 Leading figures in ancient philosophy present new essays on themes from the work of Richard Sorabji paying tribute to his great achievements and leading his ideas in fresh directions Sorabji himself contributes to the volume with a fascinating intellectual autobiography Contributors Sylvia Berryman Marcelo D Boeri Robert Bolton Sarah Broadie Myles Burnyeat Gabriela Roxana Carone V Caston Christopher Gill Frans A J de Haas Brad Inwood Charles H Kahn A A Long Mary Margaret McCabe Alexander P D Mourelatos A W Price Ricardo Salles David Sedley Bob Sharples Richard Sorabji

Syrianus: On Aristotle Metaphysics 3-4 Syrianus,2014-04-22 Syrianus originally from Alexandria moved to Athens and became the head of the Academy there after the death of Plutarch of Athens This discussion of Aristotle s Metaphysics 3 4 shows how metaphysics as a philosophical science was conceived by the Neoplatonic philosopher of Late Antiquity The questions raised by Aristotle in Metaphysics 3 regarding the scope of metaphysics are answered by Syrianus who also criticises the alternative answers explored by Aristotle In presenting Metaphysics 4 Syrianus explains in what sense metaphysics deals with being as being and how this includes the essential attributes of being unity multiplicity sameness difference etc showing also that it comes within the scope of metaphysics to deal with the primary axioms of scientific thought in particular the Principle of Non Contradiction for which Syrianus provides arguments additional to those developed by Aristotle Syrianus thus reveals how Aristotelian metaphysics was formalized and transformed by a philosophy which found its deepest roots in Pythagoras and Plato

The Origins of Statics Pierre Duhem,2012-12-06 If ever a major study of the history of science should have acted like a sudden revolution it is this book published in two volumes in 1905 and 1906 under the title *Les origines de la statique* Paris the place of publication and the Librairie scientifique A Hermann that brought it be enough of a guarantee to prevent a very different outcome Without prompting anyone for some years yet to follow up the revolutionary vistas which it opened up *Les origines de la statique* certainly revolutionized Duhem s remaining ten or so years He became the single handed discoverer of a vast new land of Western intellectual history Half a century later it could still be stated about the suddenly proliferating studies in medieval science that they were so many commentaries on Duhem s countless findings and observations Of course in 1906 Paris and the intellectual world in general were mesmerized by Bergson s *Evolution creatrice* freshly off the press It was meant to bring about a revolution Bergson challenged head on the leading dogma of the times the idea of mechanistic evolution He did so by noting among other things that to speak of vitalism was at least a roundabout recognition of scientific ignorance about a large number of facts concerning life processes He held high the idea of a vital impetus passing through matter and indeed through all matter or the universe an impetus that could be detected only through intuitive knowledge

The Hellenistic Philosophers:
Translations of the principal sources, with philosophical commentary A. A. Long, D. N. Sedley, 1987 Volume I presents the texts in new translations by the authors and these are accompanied by a philosophical and historical commentary designed for use by all readers including those with no background in the classical world With its glossary and indexes this volume can

stand alone as an independent tool of study Provided by publisher **The Hellenistic Philosophers: Volume 1, Translations of the Principal Sources with Philosophical Commentary** A. A. Long, D. N. Sedley, 1987-04-09 Volume 1 presents the texts in new translations by the authors and these are accompanied by a philosophical and historical commentary designed for use by all readers including those with no background in the classical world With its glossary and indexes this volume can stand alone as an independent tool of study **Contemporary Perspectives on the History of Philosophy** Peter A. French, Theodore Edward Uehling, Howard K. Wettstein, 1983 Contemporary Perspectives on the History of Philosophy was first published in 1983 Minnesota Archive Editions uses digital technology to make long unavailable books once again accessible and are published unaltered from the original University of Minnesota Press editions The authors of the 27 appears in Volume 8 Midwest Studies in Philosophy have established reputations as historians of philosophy but their vantage point here is from contemporary perspectives they use contemporary analytic skills to examine problems and issues considered by past philosophers The papers arranged in historical order fall into six groups ancient philosophy the Pythagoreans Plato and Aristotle the seventeenth century rationalists Descartes Leibniz and Spinoza the empiricists Locke Berkeley and Hume Kant the nineteenth century Hegel Schopenhauer and Mill and in conclusion an essay on Wittgenstein's Tractatus and two broad retrospective papers entitled Old Analyses of the Physical World and new Philosophies of Language and Moral Crisis and the History of Ethics **Theophrastus of Eresus: Life, writings, various reports, logic, physics, metaphysics, theology, mathematics** Theophrastus, Robert W. Sharples, 1995 This volume forms part of the large international Theophrastus project started by Brill in 1992 and edited by W W Fortenbaugh and others Together with volumes comprising the texts and translations the commentary volumes provide a new generation of classicists with an up to date collection of the fragments and testimonia relating to Theophrastus c 370-288/5 b c Aristotle's pupil and successor as head of the Lyceum In the present volume the focus is on natural philosophy apart from the study of living things Topics covered include the principles of scientific enquiry place time motion the heavens the sublunary world meteorology and the study of materials **Simplicius: On Aristotle On the Heavens 1.3-4** Simplicius, 2014-04-22 This is the first English translation of Simplicius' responses to Philoponus Against Aristotle on the Eternity of the World The commentary is published in two volumes Ian Mueller's previous book in the series Simplicius On Aristotle On the Heavens 1.2.3 and this book on 1.3.4 Philoponus the Christian had argued that Aristotle's arguments do not succeed For all they show to the contrary Christianity may be right that the heavens were brought into existence by the only divine being and one moment in time and will cease to exist at some future moment Simplicius upholds the pagan view that the heavens are eternal and divine and argues that their eternity is shown by their astronomical movements coupled with certain principles of Aristotle The English translation in this volume is accompanied by a detailed introduction extensive commentary notes and a bibliography On Aristotle on the Heavens 2.10-14 Simplicius (of Cilicia.), 2005 Aristotle believed that the outermost stars are carried round us on a

transparent sphere There are directions in the universe and a preferred direction of rotation The sun moon and planets are carried on different revolving spheres The spheres and celestial bodies are composed of an everlasting fifth element which has none of the ordinary contrary properties like heat and cold which could destroy it but only the facility for uniform rotation But this creates problems as to how the heavenly bodies create light and in the case of the sun heat The topics covered in this part of Simplicius commentary on On the Heavens are the speeds and distances of the stars that the stars are spherical why the sun and moon have fewer motions than the other five planets why the sphere of the fixed stars contains so many stars whereas the other heavenly spheres contain no more than one Simplicius has a long excursus on planetary theory in his commentary on this chapter discussion of people s views on the position motion or rest shape and size of the earth and that the earth is a relatively small sphere at rest in the centre of the cosmos **BOOK JACKET On the Revolutions:**

Volume 2 Nicholas Copernicus, Rosen, Jerzy Dobrzycki, 2016-02-01 Theophrastus of Eresus, Commentary Volume 3.1: Sources on Physics (Texts 137-223) Robert Sharples, 2016-06-21 This volume forms part of the large international Theophrastus project started by Brill in 1992 and edited by W W Fortenbaugh R W Sharples and D Gutas Together with volumes comprising the texts and translations the commentary volumes provide a new generation of classicists with an up to date collection of the fragments and testimonia relating to Theophrastus c 370 288 5 B C Aristotle s pupil and successor as head of the Lyceum In the present volume the focus is on natural philosophy apart from the study of living things Topics covered include the principles of scientific enquiry place time motion the heavens the sublunary world meteorology and the study of materials **Treatise on the Virtues** St. Thomas Aquinas, 2019-08-15 In his Treatise on the Virtues Aquinas discusses the character and function of habit the essence subject cause and meaning of virtue and the separate intellectual moral cardinal and theological virtues His work constitutes one of the most thorough and incisive accounts of virtue in the history of Christian philosophy John Oesterle s accurate and elegant translation makes this enduring work readily accessible to the modern reader On Aristotle's "On the Heavens 2.10-14" Simplicius, 2005 Aristotle believed that the outermost stars are carried around the earth on a transparent sphere that there are directions in the universe and a preferred direction of rotation The sun moon and planets are carried on different revolving spheres The spheres and celestial bodies are composed of an everlasting fifth element which has none of the ordinary contrary properties like heat and cold which could destroy it but only the facility for uniform rotation But this belief raises the question of how the heavenly bodies create light and in the case of the sun heat The topics covered in this part of Simplicius commentary on On the Heavens are the speeds and distances of the stars that the stars are spherical why the sun and moon have fewer motions than the other five planets why the sphere of the fixed stars contains so many stars whereas the other heavenly spheres contain no more than one Simplicius has a long excursus on planetary theory in his commentary on this chapter discussion of people s views on the position motion or rest shape and size of the earth and that the earth is a relatively small sphere at rest in the center of the cosmos

BOOK JACKET *Later Stoicism 155 BC to AD 200* Brad Inwood, 2022-05-19 Most modern readers of the Stoics think first of later authors such as Seneca Epictetus and Marcus Aurelius Existing works like Long and Sedley's *The Hellenistic Philosophers* concentrate on the Stoics of the early school This book focusses on the more influential later school including key figures like Panaetius and Posidonius and provides well chosen selections from the full range of Stoic thinkers It emphasizes their important work in logic physics and cosmology as well as in ethics Fresh translations and incisive commentary present a picture of Stoic thought informed by up to date historical research and philosophical analysis The book will be essential for scholars and students of ancient philosophy and of Hellenistic and Roman culture

Unveiling the Power of Verbal Art: An Emotional Sojourn through **On Aristotle On The Heavens 15 9**

In some sort of inundated with displays and the cacophony of instantaneous conversation, the profound power and emotional resonance of verbal art usually diminish in to obscurity, eclipsed by the constant onslaught of noise and distractions. Yet, nestled within the musical pages of **On Aristotle On The Heavens 15 9**, a charming perform of literary brilliance that impulses with fresh emotions, lies an wonderful journey waiting to be embarked upon. Published with a virtuoso wordsmith, that mesmerizing opus courses visitors on a mental odyssey, gently exposing the latent potential and profound impact stuck within the elaborate internet of language. Within the heart-wrenching expanse of this evocative examination, we can embark upon an introspective exploration of the book is key subjects, dissect their charming publishing type, and immerse ourselves in the indelible impression it leaves upon the depths of readers souls.

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