

## THE CAMBRIDGE COMPANION TO ARISTOTLE'S BIOLOGY

Aristotle's voluminous writings on animals have often been marginalized in the history of philosophy. Providing the first full-length comprehensive account of Aristotle's biology, its background, content, and influence, this *Companion* situates his study of living nature within his broader philosophy and theology and differentiates it from other medical and philosophical theories. An overview of empiricism in Aristotle's *Historia Animalium* is followed by an account of the general methodology recommended in the *Parts of Animals*. An account of the importance of Aristotle's teleological perspective and the fundamental metaphysics of biological entities provides a basis for understanding living capacities, such as nutrition, reproduction, perception, and self-motion, in his philosophy. The importance of Aristotle's zoology to both his ethics and political philosophy is highlighted. The volume explores in detail the changing interpretations and influences of Aristotle's biological works from antiquity to modern philosophy of science. It is essential for both students and scholars.

SOPHIA M. CONNELL is Senior Lecturer in Philosophy at Birkbeck College, University of London. She is the author of *Aristotle on Female Animals: A Study of the Generation of Animals* (Cambridge, 2016), and has published papers on Aristotle's biology, ancient political theory and virtue ethics. She represents Ancient Philosophy on the Committee of the British Society for the History of Philosophy and is Associate Editor of the *British Journal for the History of Philosophy*.

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EDITED BY  
SOPHIA M. CONNELL  
*Birkbeck College, University of London*



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## Abbreviations

### Aristotle's Biological and Related Works in the Corpus Aristotelicum

The Greek and Latin titles are as given in *Aristotelis Opera: ex recensione Immanuelis Bekkeri, edidit Academia Regia Borussica; accedunt Fragmenta, Scholia, Index Aristotelicus* (ed. I. Bekker, 5 vols, Berlin, 1831). The English titles are as given in *The Revised Oxford Translation* (ed. J. Barnes, Princeton, 1984). The page numbers are listed as they appear in Bekker's edition.

Greek Title	Latin Title	English Title	Abbr.
<i>Peri Psuchês</i>	<i>De Anima</i>	On the Soul	<i>De an.</i>

The following works are collectively referred to as the *Parva Naturalia* ("Small natural treatises"):

<i>Peri Aisthêsêôs kai Aisthêtôn</i>	<i>De Sensu et Sensibilibus</i>	On Sense and Sense-Objects	<i>Sens.</i>
<i>Peri Mnêmês kai Anamnêsêôs</i>	<i>De Memoria et Reminiscentia</i>	On Memory and Recollection	<i>Mem.</i>
<i>Peri Hupnou kai Egrêgorseôs</i>	<i>De Somno et Vigilia</i>	On Sleep and Being Awake	<i>Somn.</i>
<i>Peri Enupniôn</i>	<i>De Insomniis</i>	On Dreams	<i>Insomn.</i>
<i>Peri tês Kath' Upnon Mantikês</i>	<i>De Divinatione per Somnum</i>	On Divination in Sleep	<i>Div. Somn.</i>
<i>Peri Makrobiôtêtos kai Brachubiotêtos</i>	<i>De Longitudine et Brevitate Vitae</i>	On Length and Shortness of Life	<i>Long.</i>
<i>Peri Neotêtos kai Gêrôs</i>	<i>De Juventute et Senectute</i>	On Youth and Old Age,	<i>Juv.</i>
<i>Peri Zôês kai Thanatou</i>	<i>De Vita et Morte</i>	On Life and Death	
<i>Peri Anapnoês</i>	<i>De Respiratione</i>	On Respiration	<i>Resp.</i>

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The following works are commonly referred to as Aristotle's "zoological works":

<i>Tôn Peri ta Zôia</i>	<i>Historia Animalium</i>	History of Animals	<i>HA</i>
<i>Historiôn</i>			
<i>Peri Zôiôn</i>	<i>De Partibus</i>	On the Parts	<i>PA</i>
<i>Moriôn</i>	<i>Animalium</i>	of Animals	
<i>Peri Zôiôn</i>	<i>De Motu Animalium</i>	On the Motion	<i>MA</i>
<i>Kinêseôs</i>		of Animals	
<i>Peri Poreias</i>	<i>De Incessu</i>	On the Progression	<i>IA</i>
<i>Zôiôn</i>	<i>Animalium</i>	of Animals	
<i>Peri Zôiôn</i>	<i>De Generatione</i>	On the Generation	<i>GA</i>
<i>Geneseôs</i>	<i>Animalium</i>	of Animals	

**Aristotle's Other Works**

<i>A. Po.</i>	<i>Analytica Posteriora</i> (Posterior Analytics)
<i>A. Pr.</i>	<i>Analytica Priora</i> (Prior Analytics)
<i>Cael.</i>	<i>De Caelo</i> (On the Heavens)
<i>Cat.</i>	<i>Categoriae</i> (Categories)
<i>EE</i>	<i>Ethica Eudemia</i> (Eudemian Ethics)
<i>EN</i>	<i>Ethica Nicomachea</i> (Nicomachean Ethics)
<i>GC</i>	<i>De Generatione et Corruptione</i> (Generation and Corruption)
<i>MM</i>	<i>Magna Moralia</i>
<i>Metaph.</i>	<i>Metaphysica</i> (Metaphysics)
<i>Mete.</i>	<i>Meteorologica</i> (Meteorology)
<i>Ph.</i>	<i>Physica</i> (Physics)
<i>Poet.</i>	<i>Poetica</i> (Poetics)
<i>Pol.</i>	<i>Politica</i> (Politics)
<i>Rh.</i>	<i>Rhetorica</i> (Rhetoric)
<i>Top.</i>	<i>Topica</i> (Topics)

**Works by Other Greek Authors**

**Aelian**

<i>NA</i>	<i>De Natura Animalium</i> (On the Nature of Animals)
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**Alexander**

*In Mete.*      *In Metereologica* (On the Meteorology)  
*De An.*        *De Anima* (On the Soul)

**Apollonius**

*Mirab.*      *Mirabilia* (Marvels)

**Apuleius**

*Apol.*        *Apologia* (Apology)

**Athenaeus**

*Deipn.*      *Deipnosophistae* (Scholars at the Dinner Table)

**Cicero**

*DND*        *De Natura Deorum* (On the Nature of the Gods)

**Diodorus Siculus (Diod.)**

*Hist.*        *Bibliotheca Historica* (Library of History)

**Diogenes Laertius (D.L.)**

*D.L.*        *Vitae Philosophorum* (Lives of Eminent Philosophers)

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**Galen**

<i>De Causis Cont.</i>	<i>De Causis Contentivis</i> (On Sustaining Causes)
<i>De Libr. Propr.</i>	<i>De Libris Propriis</i> (On My Own Books)
<i>De Sem.</i>	<i>De Semine</i> (On Semen)
<i>Def. Med.</i>	<i>Definitiones Medicae</i> (Medical Definitions)
<i>Diff. Puls.</i>	<i>De Pulsuum Differentiis</i> (On the Different Kinds of Pulse)
<i>Hipp. Elem.</i>	<i>De Elementis ex Hippocratis Sententia</i> (On the Elements according to Hippocrates)
<i>PHP</i>	<i>De Placitis Hippocratis et Platonis</i> (On the Doctrines of Hippocrates and Plato)
<i>UP</i>	<i>De Usu Partium</i> (On the Usefulness of the Parts of the Body)

**Hippocrates**

<i>Aër.</i>	<i>De Aëribus, Aquis, Locis</i> (Airs, Waters, Places)
<i>Aph.</i>	<i>Aphorismi</i> (Aphorisms)
<i>Carn.</i>	<i>De Carnibus</i> (On Fleashes)
<i>Cord.</i>	<i>De Corde</i> (On the Heart)
<i>Epid.</i>	<i>Epidemiae</i> (Epidemics)
<i>Flat.</i>	<i>De Flatibus</i> (On Winds)
<i>Genit.</i>	<i>De Genitura</i> (On Generation)
<i>Loc. Hom.</i>	<i>De Locis in Homine</i> (On Places in Man)
<i>Morb.</i>	<i>De Morbis</i> (On Diseases)
<i>Morb. Sacr.</i>	<i>De Morbo Sacro</i> (On the Sacred Disease)
<i>Mul.</i>	<i>De Mulierum Affectibus</i> (On Diseases of Women)
<i>Nat. Hom.</i>	<i>De Natura Hominis</i> (On the Nature of Man)
<i>Nat. Oss.</i>	<i>De Ossium Natura</i> (On the Nature of Bones)
<i>Nat. Puer.</i>	<i>De Natura Pueri</i> (On the Nature of the Child)
<i>Steril.</i>	<i>De Sterilitate</i> (On Sterility)
<i>Vict.</i>	<i>De Victu</i> (On Regimen)
<i>VM</i>	<i>De Vetere Medicina</i> (On Ancient Medicine)

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*DCMS*     *De Communi Mathematica Scientia* (On the Common  
 Mathematical Science)

*Protr.*     *Protrepticus*

**Lucretius**

*DRN*     *De Rerum Natura* (On the Nature of Things)

**Photius**

*Bibl.*     *Bibliotheca*

**Plato**

*Phdr.*     *Phaedrus*

*Prot.*     *Protagoras*

*Lgg.*     *Leges* (Laws)

*Symp.*     *Symposium*

*Tim.*     *Timaeus*

**Plutarch**

*De soll. an.*     *De Sollertia Animalium* (On Whether Land or Sea  
 Animals are Cleverer)

*Quaest. Conv.*     *Quaestiones Convivales* (Symptotic Questions)

*Sulla*     *Sulla* (Life of Sulla)



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**Proclus**

*In Tim.*     *In Timaeus* (On the Timaeus)

**Simplicius**

*In Cat.*     *In Aristotelis Categorias* (On Aristotle's Categories)

**Strabo**

*Geo.*     *Geographica* (Geography)

**Themistius**

*In De an.*     *In Libros Aristotelis De Anima* (On Aristotle On the Soul)

**Theophrastus**

*CP*     *De Causis Plantarum* (On the Causes of Plants)

*HP*     *De Historia Plantarum* (Enquiry into Plants)

**Other Abbreviations**

An. Lond.

*Anonymus Londinensis* (Anonymous of London)

DK Diels, H. and Kranz, W. (eds.) 1952. *Die Fragmente der Vorsokratiker*.  
 Berlin: Weidmann

FHSG Fortenbaugh, W. W., Huby, P. M., Sharples, R. W., and Gutas, D.,  
*Theophrastus of Eresus: Sources for his Life, Writings, Thought, and Influence*, 2  
 vols (Leiden: Brill, 1992)