

CONTENTS

	PAGE
PREFACE	vii
I. INTRODUCTORY	
SECTION I. THE DEFINITION OF PHILOSOPHY	I
To be Looked for in Philosophy as an Existing Fact—In its History—Thales and the Ionic School —The Pythagoreans—The Eleatics—Heracleitus— The Atomists—Anaxagoras—Socrates and Plato— Aristotle—Conclusion.	
SECTION II. THE DIVISION OF PHILOSOPHY	20
II. THE PHILOSOPHY OF NATURE	
PART I. COSMOLOGY: THE PHILOSOPHY OF INANIMATE NATURE	22
Introduction.	
CHAPTER I. MECHANISM	25
History of the Theory—Its Essential Character— Criticism.	
CHAPTER II. DYNAMISM	30
Its Nature—Theories of Leibniz, Boscovich and Kant—Criticism.	
CHAPTER III. THE THOMISTIC THEORY OF THE NATURE OF MATTER	36
Nature and Data of Question—History and Explan- ation of Hylomorphism—The Reasons Advanced to Support it—Additional Explanations of the Meaning of 'Matter' and 'Form'—Some Difficulties Con- sidered.	
CHAPTER IV. QUANTITY	54
The Distinction of Quantity and Substance—Des- cartes' View—Reasons for Affirming the Distinction— The Nature of the Distinction—The Nature of Quantity in Itself—Its Effects—Opinions—The Usual Thomist View—Reasons in its Favour—A Difficulty Considered—The Separability of Quantity and Substance: Substance without Quantity, Quantity without Substance—A Peculiarity of Quantity.	
CHAPTER V. THE CONTINUUM	67
Notion of Continuity—Zeno's Arguments—The Divisi- bility of the Continuum—Is it Composed of Indivi- sible Elements?—Is it Infinitely Divisible?—The Parts of the Continuum—The Indivisibles of the Continuum—Solution of Zeno's Arguments.	

	PAGE
CHAPTER VI. PLACE AND SPACE	78
I. Place—Localisation—Kinds of Location	
II. Space—Its Nature—Opinions—Absolutist, Subjectivist, Intermediate Theories—The Void—Conclusion as to the Nature of Space.	
III. The Occupation of Space—Impenetrability—Multilocation.	
CHAPTER VII. THE LIMITS OF QUANTITY	103
The Infinite—Its Kinds—The Possibility of Actually Infinite Quantity—Of an Actually Infinite Multitude.	
CHAPTER VIII. THE QUALITY OF BODIES ; OR MOTION	109
The Nature of Motion—Action at a Distance—The Nature of Gravitational Action.	
CHAPTER IX. TIME	117
Duration—Eternity, <i>Ævum</i> , and Time—Division of Time—Non-Thomistic Views as to the Nature of Time—Newton, Kant, Leibniz, Bergson.	
CHAPTER X. SUBSTANTIAL CHANGE IN GENERAL	128
Meaning of Substantial Change—The Plurality of Forms—The Source of the New Substantial Form in Generation.	
CHAPTER XI. SUBSTANTIAL CHANGE IN CHEMICAL COMPOSITION : THE QUESTION OF MIXTURES	141
Current Scientific Views—Philosophical Views—Thomist Opinions as to the Permanence of the Elements and Qualities in Mixtures.	
CHAPTER XII. THE INDIVIDUAL	151
Its Nature—Opinions—Explanation of the Thomist View—Reasons in its Favour—Meaning of ' <i>Materia Signata</i> '—Some Difficulties Considered.	
CHAPTER XIII. SOME GENERAL CHARACTERISTICS OF THE INANIMATE WORLD	164
Physical Laws and Theories—The Formation of the Material Universe—The Infinity and Eternity of the Universe.	
PART II. THE PHILOSOPHY OF ANIMATE NATURE	173
Introduction.	
DIVISION I. LIFE IN GENERAL	178
CHAPTER I. VITAL OPERATIONS	179
Vital Operations in General—Their Distinctive Characteristics—Different Kinds of Vital Operations—Vegetative, Sensitive, Intellectual.	
CHAPTER II. THE PRINCIPLE OF LIFE	185
Is it One Only in Each Individual?—A Difficulty—Opinions on the Divisibility of the Life-principle—Answer to the Question.	

CONTENTS

xiii

	PAGE
CHAPTER III. THE VITAL POWERS	191
Are they Distinct from the Soul?—How are they to be Distinguished from One Another?	
CHAPTER IV. THE UNITY OF THE LIVING INDIVIDUAL	196
Opinions—The Thomist View—Definitions of Life.	
DIVISION II. VEGETATIVE LIFE	200
CHAPTER V. THE NATURE OF VEGETATIVE LIFE	201
Opinions—Mechanism, Vitalism, Thomism—Reasons in Favour of the Thomist View.	
CHAPTER VI. THE TRANSMISSION OF VEGETATIVE LIFE	207
Reproductive Processes—Thomist View of Reproduction.	
DIVISION III. SENSITIVE LIFE	211
CHAPTER VII. COGNITION	212
Nature of Cognition—S. Thomas' View—The Materialist and Idealist Views—The Thomist View Further Explained.	
CHAPTER VIII. THE PROCESS OF KNOWLEDGE	218
Necessary Conditions for Union of Subject and Object—Their Assimilation Involves Change in Both—The Intentional Species—Why they are Necessary—And Universally Necessary—The Two Kinds of Species: Impressed and Expressed—Their Nature and Mode of Production—Their Precise Function—Are Expressed Species Present in Every Cognitive Act?	
CHAPTER IX. SENSE KNOWLEDGE	229
The Senses are Organic—Their Distinction and Number—Where Sensation Takes Place—The Objects of the Senses—Immediate and Mediate Sense Objects—Can we be said to Sense the Externality of an Object?—The Inversion of the Retinal Image—Internal Sensibility—The Sensitive Appetite.	
CHAPTER X. THE NATURE OF THE LIFE-PRINCIPLE IN ANIMALS	241
What We Mean by 'Animal'—Have they Sensation?—Opinions: Descartes, Loeb—The Thomist View—Is Sensation Peculiar to Animals?—The Life-principle in Animals Essentially Sensitive, and their Substantial Form: so One Only—Belonging to the Material Order, yet Specifically Distinct from that of Plants—Summary.	
DIVISION IV. INTELLECTUAL LIFE	251
CHAPTER XI. THE NATURE OF THE INTELLECT	252
Views as to its Immateriality—S. Thomas' Primary Reason for Holding it to be So—Its Objects: Common Formal Object, and Proper Formal Object—Further Reasons for Regarding the Intellect as Immaterial—The Question of Its Activity—Our Knowledge of Individuals.	

	PAGE
CHAPTER XII. THE ORIGIN OF IDEAS	264
The Empiricists—Innate Ideas—The Transcendentalists and Hegel—The Difficulty of the Question—The Thomist Solution—The Active Intellect—Its Necessity and Function—Summary of the Intellectual Process.	
CHAPTER XIII. THE INTELLECTUAL APPETITE; THE WILL	272
Its Existence—Nature—What Necessity is—Freedom of the Will—History of the Problem—Summary of Opinions—Arguments in Favour of Liberty—The Limits of Liberty—Views on the Nature of Liberty—The Answer to Indeterminism—The Answer to Psychological Determinism—Summary of results arrived at.	
CHAPTER XIV. THE NATURE OF THE INTELLECTUAL SOUL IN MAN	296
Its Substantiality—Its Spirituality—It is the Substantial Form—Simple—And One Only—Differing Specifically from that of Other Animals—Reasons for this View.	
CHAPTER XV. THE UNION OF SOUL AND BODY IN MAN	304
Views on the Question—Monism—Psycho-physical Parallelism—Accidental and Essential Union—Reasons for the Thomist View—The Mode of the Union—How the Soul is Present to the Body.	
CHAPTER XVI. THE ORIGIN AND DESTINY OF THE HUMAN SOUL	312
Origin—Not by Generation or Emanation, but by Creation—The Transmigration of Souls—The Thomist View of the Succession of Forms in the Individual—Immortality—Opinions—Reasons for Thomist View—The Metaphysical Argument.	
CHAPTER XVII. THE ORIGIN OF LIFE	321
The Origin of Life on Earth—Opinions—Spontaneous Generation—Two Forms of the Theory—Their Possibility.	
CHAPTER XVIII. TRANSFORMISM	328
Preliminary Remarks—Sketch of Evolutionary Theories—Lamarck—Darwin—The Materialist Theory—Reasons which Exclude It—Consideration of Evolutionary Theories in General.	
CONCLUSION	344