GREAT ESSAYS IN SCIENCE

Isaac Asimov • Rachel Carson
Charles Darwin • John Dewey
Albert Einstein • Jean Henri Fabre
Sigmund Freud • Stephen Jay Gould
Aldous Huxley • Julian Huxley
William James • Ernest Nagel
Bertrand Russell • Carl Sagan
Lewis Thomas • H. G. Wells
and others

EDITED BY
MARTIN GARDNER

Contents

Preface xiii

Prologue
FRANCIS BACON
The Sphinx 1

CHARLES DARWIN
Recapitulation and Conclusion 5

JOHN DEWEY
The Influence of Darwinism on Philosophy 18

STEPHEN JAY GOULD
Nonmoral Nature 32

WILLIAM JAMES
The Problem of Being 46

HAVELOCK ELLIS
What Makes a Woman Beautiful? 53

JEAN HENRI FABRE
The Sacred Beetle 73

GILBERT KEITH CHESTERTON
The Logic of Elfland 95

CARL SAGAN
Can We Know the Universe?
Reflections on a Grain of Salt 102

JOSEPH WOOD KRUTCH
The Colloid and the Crystal 110

JOSÉ ORTEGA Y GASSET
The Barbarism of "Specialization" 121

THOMAS HENRY HUXLEY
Science and Culture 130

JOHN BURROUGHS
Science and Literature 149

ISAAC ASIMOV
Science and Beauty 167

ERNEST NAGEL
Automation 173

JONATHAN NORTON LEONARD
Other-Worldly Life 181

J. ROBERT OPPENHEIMER
Physics in the Contemporary World 196

ALFRED NORTH WHITEHEAD
Religion and Science 215

JOHN DOS PASSOS
Proteus 229

JULIAN HUXLEY
An Essay on Bird-Mind 233

ARTHUR STANLEY EDDINGTON
The Decline of Determinism 251

ALDOUS HUXLEY
Science in the Brave New World 273

RACHEL CARSON
The Sunless Sea 286

MAURICE MAETERLINCK
The Nuptial Flight 305

H. G. WELLS
The New Source of Energy 321
Science and Ultimate Truth 330

LAURA FERMI
Success 336

SAMUEL GOUDSMIT
The Gestapo in Science 349

ROBERT LOUIS STEVENSON
Pan's Pipes 368

SIGMUND FREUD
Dreams of the Death of Beloved Persons 374

BERTRAND RUSSELL
The Science to Save Us from Science 397
The Greatness of Albert Einstein 408

ALBERT EINSTEIN
$E = mc^2$ 413

LEWIS THOMAS
Seven Wonders 419