

# Galileo, Darwin, and Hawking

*The Interplay of Science, Reason, and Religion*

PHIL | DOWE

WILLIAM B. EERDMANS PUBLISHING COMPANY  
GRAND RAPIDS, MICHIGAN / CAMBRIDGE, U.K.

# Contents

<i>Acknowledgments</i>	viii
<i>Introduction: Harmony or Conflict?</i>	1
<b>1. Cosmology and Scripture</b>	<b>9</b>
Cosmology	10
Genesis and Hermeneutics	16
Augustine's Hermeneutics	22
Calvin's Hermeneutics	26
Galileo and the Church	29
Bellarmino's Dilemma	33
Galileo's Reconciliatory Hermeneutics	35
Conclusion	38
<b>2. The Hermeneutics of Science and Religion:</b>	
<b>Realism and Antirealism</b>	<b>40</b>
Osiander's Preface	41
Antirealist Accounts of Science	42
Scientific Realism and Inference to the Best Explanation	46
Antirealism in Philosophy of Religion	49

## CONTENTS

<b>3. Knowledge and Power</b>	<b>57</b>
The Heritage of Greek Logic and Geometry	57
The Image of God	59
Descartes, Rationality, and the Perspicuity of Nature	62
Francis Bacon's Vision of Science and Technology	66
Bacon and the Cultural Mandate	70
Twentieth-Century Critiques of the Baconian Vision	72
From God to Science and Back: The Mutual Relevance of Science and Religion	79
<b>4. Miracles</b>	<b>82</b>
Hume's Theory of Rational Belief	83
Testimonial Evidence	86
The Concept of a Miracle	87
Hume's First Argument against Miracles	91
A Problem for Testimony	93
Hume's 'Limitation'	94
Hume's Second Argument against Miracles	97
Schlesinger's Defence of Miracles	99
<b>5. Creation and Evolution</b>	<b>104</b>
Teleological and Mechanical Explanation	104
Paley's Design Argument	109
Darwin's <i>The Origin of Species</i>	113
Natural Selection or Special Creation?	118
Darwin and God	125
Darwin and Asa Gray	127
From the Monkey Jibe to the Monkey Trial	131
Creation Science	137
<b>6. Big Bang Cosmology and God</b>	<b>142</b>
Kalām Cosmological Argument and the Infinite Universe	143
Big Bang Cosmology	146
The Anthropic Principle	148

## Contents

God as an Explanation	154
Chance and Many Worlds Explanations	158
The Inverse Gambler's Fallacy	160
The Observer Selection Effect	164
Denial of the Need for Explanation	167
<b>7. God and Chance</b>	<b>170</b>
The Chance Worldview	170
Providence	173
Three Models of Providence	175
Quantum Chance	178
Chance and Providence	183
Physical Chance, Divine Cause	184
Physical Chance, No Divine Cause	186
Meaningless Coincidences	187
Conclusion	189
<b>8. The Interaction of Science and Religion</b>	<b>191</b>
Mutual Interaction	191
Defeasibility and the God of the Gaps Objection	193
Conclusion	195
<i>Bibliography</i>	<b>196</b>
<i>Index</i>	<b>203</b>