

# CONTENTS

---

Illustrations	ix
Abbreviations	x

## PART I: INTRODUCTION

1. Bacon's Philosophy and the Technocratic View of Science	3
2. The Meanings of Baconianism	7
3. Historiographic Approaches	32
4. 'Ingredients of Science' as Hermeneutical Tools	42
5. Maker's Knowledge	48

## PART II: *FORMA*

6. Historiographic Approaches	65
7. Substantial Forms	68
8. Bacon's Forms, the Scholastic Background, and his Construal of the Primary–Secondary Qualities Distinction	83
9. Ontological Presuppositions of Bacon's Forms as Conditions of Operation	97
10. Forms as 'Rules of Action' and the Constructivist Criterion of Truth	106
11. Recapitulation: Bacon's Forms and Laws of Nature	115

## PART III: *OPUS*

12. <i>Opus</i> and Utility in Bacon's Idea of Science	135
13. Propositional and Operative Knowledge in the Maker's Knowledge Tradition	150
14. Contrasting Responses to the Constructivist Stance: Boyle, Locke, Hobbes, and Vico	167

PART IV: *INDUCTIO*

Introduction	199
15. Aristotelian Background	201
16. Medieval and Renaissance Background	216
17. Characterization of Bacon's <i>Inductio</i>	239
18. Criticism of the 'Popperian Bacon'	270
CONCLUSION	287
Bibliography	296
Index	325