

PART I. ESSAYS ADDRESSED TO BAS C. VAN FRAASSEN

1. <i>Lex Orandi est Lex Credendi</i> RICHARD N. BOYD	3
2. The Ontological Status of Observables: In Praise of the Superempirical Virtues PAUL M. CHURCHLAND	35
3. What Science Aims to Do BRIAN ELLIS	48
4. Constructive Realism RONALD N. GIERE	75
5. Explanation and Realism CLARK GLYMOUR	99
6. Scientific Realism versus Constructive Empiricism: A Dialogue GARY GUTTING	118
7. Do We See through a Microscope? IAN HACKING	132
8. Surface Dazzle, Ghostly Depths: An Exposition and Critical Evaluation of van Fraassen's Vindication of Empiricism against Realism CLIFFORD A. HOOKER	153
9. Realism versus Constructive Empiricism ALAN MUSGRAVE	197
10. What Can Theory Tell Us about Observation? MARK WILSON	222

PART II. BAS C. VAN FRAASSEN REPLIES TO HIS CRITICS

11. Empiricism in the Philosophy of Science BAS C. VAN FRAASSEN	245
List of Contributors	309