
Contents

Preface and Acknowledgments	vii
Introduction: Science Wars, New and Old	1
I The Argumentative Turn in Science Studies	15
1 Science as Argumentative Practice	17
2 Kuhn's Gap: From Logic to Sociology	33
3 Closing the Gap: Three Rhetorical Perspectives on Science	57
Postscript I: The Return of the Logical: Achinstein's Realist Theory of Evidence	81
II Integrating Perspectives: Habermas's Discourse Theory	99
4 Habermas's Critical Theory and Science: Truth and Accountability	101
5 Habermas's Theory of Argumentation as an Integrated Model of Cogency	129
6 Argumentation at Fermilab: Putting the Habermasian Model to Work	163
Postscript II: Who's Afraid of SSK? The Problem and Possibilities of Interdisciplinary Cooperation	195

III Toward a Critical Contextualist Framework for Interdisciplinary Assessment	211
7 Adjusting the Pragmatic Turn: Lessons from Ethnomethodology	213
8 Three Dimensions of Argument Cogency—A Contextualist Case Study	241
9 Critical Science Studies and the Good Society	269
Notes	297
References	313
Index	337