## THE DISUNITY OF SCIENCE

Boundaries, Contexts, and Power

EDITED BY

Peter Galison and David J. Stump

STANFORD UNIVERSITY PRESS STANFORD, CALIFORNIA 1996

## Contents

000

Contributors	xi
Introduction: The Context of Disunity  Peter Galison	I
PART I. BOUNDARIES	
The Disunities of the Sciences  Ian Hacking	37
Styles of Reasoning, Conceptual History, and the Emergence of Psychiatry  Arnold I. Davidson	75
Metaphysical Disorder and Scientific Disunity  John Dupré	101
Computer Simulations and the Trading Zone Peter Galison	118
The Unity of Science: Carnap, Neurath, and Beyond Richard Creath	158
Talking Metaphysical Turkey About Epistemological Chicken, and the Poop on Pidgins Steve Fuller	170
PART II. CONTEXTS	
From Relativism to Contingentism  Mario Biagioli	189

## x Contents

Contextualizing the Canon Simon Schaffer	207
Science Made Up: Constructivist Sociology of Scientific Knowledge Arthur Fine	231
From Epistemology and Metaphysics to Concrete Connections David J. Stump	255
The Care of the Self and Blind Variation: The Disunity of Two Leading Sciences  Karin Knorr Cetina	287
The Constitution of Archaeological Evidence: Gender Politics and Science  Alison Wylie	311
PART III. POWER	
Otto Neurath: Politics and the Unity of Science  Jordi Cat, Nancy Cartwright, and Hasok Chang	347
The Naturalized History Museum  Timothy Lenoir and Cheryl Lynn Ross	370
Beyond Epistemic Sovereignty  Joseph Rouse	398
The Dilemma of Scientific Subjectivity in Postvital Culture Evelyn Fox Keller	417
Modest Witness: Feminist Diffractions in Science Studies  Donna J. Haraway	428
Afterword: New Directions in the Philosophy of Science Studies	443
David J. Stump	
Notes	453
Select Bibliography	527
Index	537