

Contents

Introduction	Multiple, Diverse, and Unexpected Origins: Toward an Analytical Sociology of the Sociology of Science	1
PART I	Historical Origins and Development of the Sociology of Science	
		21
Introduction		23
1.	The Emergence and Maturation of the Sociology of Science	25
2.	Talcott Parsons and the Sociology of Science: An Essay in Appreciation and Remembrance	33
3.	Sorokin's Formulations in the Sociology of Science (with Robert K. Merton)	45
PART II	The Social Process of Scientific Discovery	77
Introduction		79
4.	The Case of the Floppy-Eared Rabbits: An Instance of Serendipity Gained and Serendipity Lost (with Renée C. Fox)	83
5.	Resistance by Scientists to Scientific Discovery	97
6.	The Functions and Dysfunctions of "Fashion" in Science: A Case for the Study of Social Change	115
7.	Trust in Science	133
PART III	The Dilemma of Science and Therapy	151
Introduction		153
8.	Medical Technology and Its Ethical Consequences	157
9.	Perspectives on Medical Ethics and Social Change	169
10.	The Ethics of Experimentation with Human Subjects	177

viii Social Studies of Science

11. Ethical Aspects of Clinical Research in the Field of Human Reproduction	191
12. Research on Research on Human Subjects: Problems of Access to a Powerful Profession	203
13. Liberalism Stops at the Laboratory Door	215
14. Control and Responsibility in the Powerful Professions	221
PART IV Relations between the Sociology of Science and Related Scholarly Fields	241
Introduction	243
15. On the Relations between Philosophy of Science and Sociology of Science	245
16. Scientists and the Social Study of Science: A Research Problem	253
17. Tension and Accommodations between Science and Humanism	259
Index	273