Contents

Preface ix
General Introduction: Joseph Ben-David, An Outline of His Life and Work by Gad Freudenthal 1

Part I. Conditions of Scientific Growth: The Scientist's Role

Introduction 29

1. Roles and Innovations in Medicine (1960) 33

2. Social Factors in the Origins of a New Science: The Case of Psychology (1966; with R. Collins) 49

3. Socialization and Career Patterns as Determinants of Productivity of Medical Researchers (1968; with L. Aran) 71


Part II. Conditions of Scientific Growth: Academic Organization and the Profession of Science

Introduction 97

5. Scientific Productivity and Academic Organization in Nineteenth-Century Medicine (1960) 103
6. Universities and Academic Systems in Modern Societies (1962; with A. Zloczower) 125

7. Science and the University System (1972) 159

8. Academy, University, and Research Institute in the Nineteenth and Twentieth Centuries: A Study of Changing Functions and Structures (1978) 175


10. A Comparative Study of Academic Freedom and Student Politics (1966; with R. Collins) 211

Part III. Questions of Policy: The Planning of Science and the Utilization of Scientific Knowledge in Practice

Introduction 255

11. Scientific Research and Economic Growth (1968) 257

12. The Central Planning of Science (1977) 263

13. Scientific Societies, Professional Organizations, and the Creation and Dissemination of Practical Knowledge (1982; with S. Katz) 283

Part IV. The Ethos of Science: The Emergence and Institutionalization of Modern Science

Introduction 295


16. Puritanism and Modern Science: A Study in the Continuity and Coherence of Sociological Research (1985) 343

Part V. The Ethos of Science: The Social Scientist’s Role in Society

Introduction 363
17. Innovations and Their Recognition in Social Science (1975) 365


Part VI. The Ethos of Science in Question: The Sociology of Scientific Knowledge

Introduction 409


20. Emergence of National Traditions in the Sociology of Science: The United States and Great Britain (1978) 435


22. "Norms of Science" and the Sociological Interpretation of Scientific Behavior (posthumous publication) 469


Part VII. The Changing Fortunes of the Ethos of Science: A Historical and Sociological Perspective

Introduction 517


26. The Ethos of Science in the Context of Different Political Ideologies and Changing Perceptions of Science (posthumous publication) 533

Bibliography of Joseph Ben-David’s Writings 561
Acknowledgments 569
Index 571