CONTENTS

History, Issues, and Structure of the Entire Project Karin Orth	9
Foreword: The German Research Foundation and National Socialism Mark Walker	17
I Outlining the Problem	
"Preserve of Full Professors" – On the History of the German Research Foundation between 1920 and 1970 Patrick Wagner	23
II History of the Institution	
From "Emergency" to "Alliance" – Researching the German Research Foundation as an Institution <i>Rüdiger vom Bruch</i>	41
"Tool of German War Strategy" – The Science Policy of the German Research Foundation and the Reich Research Council between 1920 and 1945 Sören Flachowsky	53
Poised between Science Organizations – The German Research Foundation, the Kaiser Wilhelm Society, and the Academies of Science 1920–1972 Peter Nötzoldt	69
From Emergency Association to Service Organization – Guidelines on the Development of the German Research Foundation 1949–1973 Karin Orth	85
The German Research Foundation as a Topic in the History of Science – A Commentary <i>Mitchell G. Ash</i>	97



III Natural and Engineering Sciences

The Syndrome of Falling Behind – Resource Constellations and Epistemic Orientations in the Natural and Engineering Sciences Helmuth Trischler	105
On the Path to Technical Design – DFG-Funded Research in Mechanical Engineering 1920–1970 Mirko Buschmann/Thomas Hänseroth	119
Computers for Science – Scientific Computing and Computer Science in the German Scientific System 1870–1970 Ulf Hashagen	135
Thrift Materials, Domestic Materials, and Substitutes – Metals Research in Germany 1920–1970 <i>Günther Luxbacher</i>	151
The "Four-Year Plan for Chemistry" and "Polymer Science" – The German Research Foundation and Chemical Research from the 1920s into the 1960s Paul Erker	169
Civilian Military Research and the Responsibility of Science – A Commentary Ulrich Wengenroth	187
Natural and Engineering Sciences – A Commentary Moritz Epple	193
IV History of Medicine and the Biosciences	
Instrumental Modernity and the Dictate of Politics – Sponsorship of Medical Research by the Emergency Association/ German Research Foundation 1920–1970 Wolfgang U. Eckart	201
Faster, Higher, Mightier – Physiological Research Support by the German Research Foundation 1920–1970 Alexander Neumann	221
The Plannable Human – The German Research Foundation and the Science of Human Heredity 1920–1970 Anne Cottebrune	241

Contents

Feverish Research? – German Tropical Medicine as Reflected in its Funding by the Emergency Association/German Research Foundation 1920–1970 Marion A. Hulverscheidt	255
Fragmentation, Cooperation, Institutionalization – German Cancer Research within the Funding Horizons of the Emergency Association/German Research Foundation 1920–1970 <i>Gabriele Moser</i>	269
Close to the State and Oriented toward the Fundamentals – Research on Radiation and Radioactivity in the Biosciences 1920–1970 Alexander von Schwerin	283
Enzymes, Hormones, Vitamins – Biocatalytic Research Funded by the German Research Foundation 1920–1970 <i>Heiko Stoff</i>	299
History of Medicine and the Biosciences – A Commentary Johanna Bleker	315
V The Humanities and Social Sciences	
Border Guard and Border Crosser of Science – The German Research Foundation and the Humanities and Social Sciences 1920–1970 Patrick Wagner	321
The Will for Relevancy – State-Supported Research on Linguistics 1920–1970 Klaas-Hinrich Ehlers	335
Surveying German Volkskultur – The "Atlas of German Folklore" and the German Research Foundation 1928–1980 Friedemann Schmoll	347
A Midwife for Science – The German Research Foundation and German Ethnology <i>Christoph Seidler</i>	361
Transmittals and Transformations – Research on the European East and the German Research Foundation 1945–1975 <i>Corinna R. Unger</i>	377

Contents

Agrarian Self-Sufficiency and Rural Order – German Agricultural Research 1920–1960 <i>Willi Oberkrome</i>	395
VI Science, Science Policy, and the German Research Foundation	
Sponsorship of Science under National Socialism – An Almost Everyday Story? A Commentary on the Research Program "The German Research Foundation 1920–1970" Reinhard Rürup	405
"Mr. DFG" Walther Gerlach (1889–1979) – Physicist, Science Functionary, and Public Representative Bernd-A. Rusinek	413
The Rules of Science – Science under National Socialism and the Emergence of the Sociology of Scientific Knowledge Ulrich Wengenroth	431
Conditional Upheavals – Thoughts on the Relationship between Science and Politics in the West German Postwar Period <i>Carola Sachse</i>	439
The German Professor in the Third Reich – Four Biographical Sketches Ulrich Herbert	449
Institutional Abbreviations Bibliography List of Authors	