



Science, Technology and National Socialism

Edited by

Monika Renneberg

*Assistant Professor in the Institute for the History of Science,
Technology and Mathematics, University of Hamburg*

and

Mark Walker

*Assistant Professor of the Department of History,
Union College, Schenectady*



CAMBRIDGE
UNIVERSITY PRESS

Contents

<i>List of illustrations</i>	<i>page xi</i>
<i>List of contributors</i>	<i>xiii</i>
<i>Acknowledgements</i>	<i>xvi</i>
<i>List of abbreviations</i>	<i>xvii</i>

1	Scientists, Engineers and National Socialism MONIKA RENNEBERG and MARK WALKER	1
2	<i>Keinerlei Untergang</i> : German Armaments Engineers during the Second World War and in the Service of the Victorious Powers ANDREAS HEINEMANN-GRÜDER	30
3	The Guided Missile and the Third Reich: Peenemünde and the Forging of a Technological Revolution MICHAEL J. NEUFELD	51
4	Self-mobilization or Resistance? Aeronautical Research and National Socialism HELMUTH TRISCHLER	72
5	Military Technology and National Socialist Ideology ULRICH ALBRECHT	88
6	'Area Research' and 'Spatial Planning' from the Weimar Republic to the German Federal Republic: Creating a Society with a Spatial Order under National Socialism MECHTILD RÖSSLER	126
7	The Ideological Origins of Institutes at the <i>Kaiser Wilhelm Gesellschaft</i> in National Socialist Germany KRISTIE MACRAKIS	139

8	Biological Research at Universities and Kaiser Wilhelm Institutes in Nazi Germany UTE DEICHMANN and BENNO MÜLLER-HILL	160
9	Pedagogy, Professionalism and Politics: Biology Instruction during the Third Reich SHEILA FAITH WEISS	184
10	The Whole and the Community: Scientific and Political Reasoning in the Holistic psychology of Felix Krueger ULFRIED GEUTER	197
11	Pascual Jordan: Quantum Mechanics, Psychology, National Socialism M. NORTON WISE	224
12	The Ideology of Early Particle Accelerators: An Association between Knowledge and Power MARIA OSIETZKI	255
13	The 'Minerva' Project. The Accelerator Laboratory at the Kaiser Wilhelm Institute/Max Planck Institute of Chemistry: Continuity in Fundamental Research BURGHARD WEISS	271
14	The Social System of Mathematics and National Socialism: A Survey HERBERT MEHRTENS	291
15	The Problem of anti-Fascist Resistance of 'Apolitical' German Scholars REINHARD SIEGMUND-SCHULTZE	312
16	Irresponsible Purity: The Political and Moral Structure of Mathematical Sciences in the National Socialist State HERBERT MEHRTENS	324
	<i>Notes</i>	339
	<i>Index</i>	415