TABLE OF CONTENTS

Introduction	
Affiliations of Authors	

PAR'T I

Science and Technology

The Conceptual Distinction Reconsidered

PETER JANICH – Physics – Natural Science or Technology?	3
RON JOHNSTON, TOM JAGTENBERG – Goal Direction of Scientific	
Research	29

PART II

The Interrelation between Science and Technology A Close-up View at Determining Factors

EDWIN T. LAYTON, JR – Millwrights and Engineers, Science,	
Social Roles, and the Evolution of the Turbine in America	61
HUGH G. J. AITKEN – Science, Technology and Economics: The	
Invention of Radio as a Case Study	89
GÜNTER KÜPPERS – On the Relation between Technology and	
Science – Goals of Knowledge and Dynamics of Theories. The	
Example of Combustion Technology, Thermodynamics and	
Fluidmechanics	113

PART III

Science and Technology in Their Social Context

KARL-HEINZ MANEGOLD – Technology Academised: Education	
and Training of the Engineer in the 19th Century	137
PATRICK FRIDENSON - The Coming of the Assembly Line to	
Europe	159

vii

xi

JUDY SADLER – Ideologies of 'Art' and 'Science' in Medicine: The	
Transition from Medical Care to the Application of Technique	
in the British Medical Profession	177

PART IV The Scientification of Technology

GERNOT BÖHME, WOLFGANG VAN DEN DAELE, and WOLFGANG KROHN	
- The 'Scientification' of Technology	
PETER WEINGART — The Relation between Science and Technology – A Sociological Explanation	251
Index	287

Index