

CONTENTS

	PAGE
Preface	xi
Foreword	xv
by Abraham Pais	
Introduction	xvii
by Gerald Holton	
List of Abbreviations.....	xxv

CHAPTER 1

PHYSICS IN AMERICA BEFORE 1920

Physics in America Before 1900	2
The Growth of Physics in America 1900–1920	13

CHAPTER 2

AMERICAN PHYSICISTS AND THE OLD QUANTUM THEORY 1920–1925

The Growth of the Physics Profession in America	64
American Responses to Quantum Theory	81
American Participation in Quantum Theory Development.....	95

CHAPTER 3

THE IMPACT OF QUANTUM MECHANICS ON PHYSICS IN AMERICA 1926–1929

Institutional Developments within the American Physics Profession	141
The American Response to Quantum Mechanics	158

Some Significant Achievements Related to Quantum Mechanics Made by Americans	196
---	------------

CHAPTER 4
THE FLOURISHING OF QUANTUM THEORETICAL
PHYSICS IN AMERICA 1930–1935 221

Institutional Developments within the American Physics Profession	222
--	------------

Some Contemporary Trends in Physics and among Physicists in America Between 1930 and 1935	241
--	------------

Areas in which American Quantum Theorists Made Noteworthy Contributions, 1930–1935	270
---	------------

Conclusion	303
-------------------------	------------

Appendix A: Selected Biographical Notes	305
--	------------

Appendix B: European Scientists Who Visited and Lectured in the United States Between 1872 and 1935	315
--	------------

Appendix C: Some European Scientific Emigrés to the United States Prior to 1936	330
--	------------

Appendix D: The American Physical Society 1899–1935	331
--	------------

Appendix E: Bibliography	342
---------------------------------------	------------

Index	367
--------------------	------------

