Contents

	Foreword	V
	Publisher's Note	VII
1963	EUGENE P. WIGNER,	
	MARIA GOEPPERT MAYER and	
	J. Hans D. Jensen	
	Motivation	I
	Presentation by I. Waller	3
	Events, laws of nature, and invariance principles, by	
	Eugene P. Wigner	6
	Biography Eugene P. Wigner	18
	The shell model, by Maria Goeppert Mayer	20
	Biography Maria Goeppert Mayer	. 38
	Glimpses at the history of the nuclear structure theory, by	
	J. Hans D. Jensen	40
	Biography J. Hans D. Jensen	51
1964	Charles H. Townes,	
	Nikolai G. Basov, and	
	ALEXANDER M. PROCHOROV	
	Motivation	53
	Presentation by B. Edlén	55
	Production of coherent radiation by atoms and molecules, by	
	Charles H. Townes	58
	Biography Charles H. Townes	87
	Semiconductor lasers, by Nikolai G. Basov	89
	Biography Nikolai G. Basov	106
	Quantum electronics, by A.M. Prochorov	IIO
	Biography Alexander M. Prochorov	117

1905	SIN-ITIRO IOMONAGA,	
	JULIAN SCHWINGER, and	
	RICHARD P. FEYNMAN	
	Motivation	121
	Presentation by I. Waller	123
	Development of quantum electrodynamics, by Sin-itiro	08.0
	Tomonaga	126
	Biography Sin-itiro Tomonaga	137
	Relativistic quantum field theory, by Julian Schwinger	140
	Biography Julian Schwinger	153
	The development of the space-time view of quantum electro-	
	dynamics, by Richard P. Feynman	155
	Biography Richard P. Feynman	179
1966	Alfred Kastler	
	Motivation	181
	Presentation by I. Waller	183
	Optical methods for studying Hertzian resonances, by	
	Alfred Kastler	186
	Biography Alfred Kastler	205
T067	HANS ALBRECHT BETHE	
-,-,	Motivation	209
	Presentation by O. Klein	211
	Energy production in stars, by H. A. Bethe	215
	Biography Hans Albrecht Bethe	235
		-55
1968	Luis W. Alvarez	
	Motivation	237
	Presentation by S. von Friesen	239
	Recent developments in particle physics, by Luis W. Alvarez	241
	Biography Luis W. Alvarez	291
* 060	NA TENDE ATT CONTENTS	
1969	Murray Gell-Mann Motivation	202
		293
	Presentation by I. Waller Symmetry and currents in particle physics, by Murray	295
	Gell-Mann	200
	Biography Murray Gell-Mann	299
	Diography Murray Och-Maini	300

	CONTENTS	XI
970	Hannes Alfvén and	
	Louis Néel	
	Motivation	301
	Presentation by T. Gustafsson	303
	Plasma physics, space research and the origin of the solar	
	system by Hannes Alfvén	306
	Biography Hannes Alfvén	317
	Magnetism and the local molecular field by Louis Néel	318
	Biography Louis Néel	342
	Name Index	345
	Subject Index	350
	Index of Biographies	351