## **Contents**

AN APPRECIATION ON THE 60TH BIRTHDAY OF EDWARD TELLER.	
By Eugene P. Wigner	1
THE CONCEPT OF "UNDERSTANDING" IN THEORETICAL PHYSICS.	
By W. Heisenberg	7
On the Origin of Galaxies. By $G$ . Gamow	11
THE ORIGIN OF DEEP-FOCUS EARTHQUAKES.	
By D. T. Griggs and D. W. Baker	23
RESPONSE OF ROCKS TO STRESS. By Gary H. Higgins	43
MATERIAL PROPERTIES AT HIGH PRESSURE. By Russell E. Duff .	73
POLYMERIC MATERIALS FOR EXTREME CONDITIONS.	
By Herman F. Mark	105
Ultra-High Neutron Fluxes: Their Production and Use.	
By Frederic de Hoffmann and William L. Whittemore	119
THE PHYSICS OF HIGH TEMPERATURE PLASMA. By Richard F. Post	141
Numerical Simulation of Turbulent Flow. By C. E. Leith .	267
A STATISTICAL MECHANICAL TREATMENT OF MACROSCOPIC CHANGE	
WITH TIME. By Joseph E. Mayer	273
APPROXIMATE SYMMETRIES IN ATOMIC AND ELEMENTARY PARTICLE	
PHYSICS. By H. P. Dürr	301
On the Theory of Near-Adiabatic Transitions.	
By Kenneth M. Watson	327
SOME SOLUTIONS OF THE CLASSICAL ISOTOPIC GAUGE FIELD	
EQUATIONS. By T. T. Wu and C. N. Yang	349
EIGENVALUES OF CASIMIR OPERATORS. By Charles L. Critchfield	355
STRANGE MATTER. By John Archibald Wheeler	365
AUTHOR INDEX	381
Control Libra	397