

CONTENTS

W. BAER, M. J. GALPER, AND N. CARBONE. Measurements of the Conversion Ratio of the PWR Critical Facility Blanket.....	113
ROBERT AVERY. Coupled Fast-Thermal Power Breeder.....	129
W. J. HENDERSON AND P. R. TUNNICLIFFE. The Production of N^{16} and N^{17} in the Cooling Water of the NRX Reactor.....	145
D. MENEGHETTI, H. H. HUMMEL, AND W. B. LOEWENSTEIN. Ten-Group Calculated Equilibrium Neutron Spectrum and Diffusion Length in Natural Uranium.....	151
C. H. BLANCHARD. On the Multiple Scattering of Neutrons in Hydrogen-like Substances.....	161
L. F. KENDALL, R. G. WHEELER, AND S. H. BUSH. Reaction Kinetics of Zirconium and Zircaloy-2 in Dry Air at Elevated Temperatures.....	171
EUGENE L. WACHSPRESS. Thin Regions in Diffusion Theory Calculations.	186
W. A. REARDON AND H. H. HUMMEL. A Study of the Equilibration Process in the Fast Exponential Experiment.....	201

Indexed in "Engineering Index"

Published bimonthly at Mt. Royal and Guilford Aves., Baltimore, Md., for
Academic Press Inc., 111 Fifth Avenue, New York 3, N. Y.

During 1958, Volumes 3 and 4 will be published.

Price of each volume \$12.50.

Subscription orders should be sent to the publishers.

Notice of change of address must be received two months prior to the date of issue. Include both old and new addresses.

For Member Subscriptions: Notice should be sent to the Secretary of the Society, P. O. Box 963, Oak Ridge, Tennessee.

For Non-member Subscriptions: Notice should be sent to the publishers.

Second-class mail privileges authorized at Baltimore, Md.