

CONTENTS

E. RICHARD COHEN. The Neutron Velocity Spectrum in a Heavy Moderator	227
MOSES A. GREENFIELD, ROSCOE L. KOONTZ AND ALAN A. JARRETT. Measuring the Ratio of Thermal to Resonance Neutron Densities Using Thick Indium Foils	246
N. C. FRANCIS, H. HURWITZ, JR., AND P. F. ZWEIFEL. Criticality and Flux Calculations for Hydrogenous Assemblies	253
F. J. JANKOWSKI, D. KLEIN, AND T. M. MILLER. Calibration of Control Rods	288
A. A. JONKE, E. J. PETKUS, J. W. LOEDING, AND S. LAWROSKI. The Use of Fluidized Beds for the Continuous Drying and Calcination of Dissolved Nitrate Salts	303
W. PRIMAK. Fast Neutron Damaging in Nuclear Reactors. III. The Radiation Damage Dosage	320
P. GREEBLER, H. HURWITZ, JR., AND M. L. STORM. Statistical Evaluation of Fission-Product Absorption Cross Sections at Intermediate and High Energies	334
J. G. BAYLY AND R. M. PEARCE. Method of Studying Multi-Region Reactors with an Analog Computer	352
C. H. MILLAR, B. W. SARGENT, AND J. C. HORSMAN. Delayed-Neutron Monitors for the Detection of Sheath Failures in Reactor Fuel Rods . .	363
MARK NELKIN. The Thermal Spectrum of an Intermediate Assembly . . .	373
THOMAS J. BURNETT. Reactors, Hazard <i>vs</i> Power Level	382
HARVEY J. AMSTER. The Wigner-Wilkins Calculated Thermal Neutron Spectra Compared with Measurements in a Water Moderator	394
Announcement	405

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

Volume 1, 1956 (6 issues), \$10.00. Single issues, \$2.50.

Volume 2, 1957, \$10.00, Single issues, \$2.00.

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.