CONTENTS

Address of the President of the United States ........................................ 313

The One World of Stars: 
Harlow Shapley .................................................. 315

News and Notes ........................................................ 322

Technical Papers

The Quantitative Theory of Autoradiography
Illustrated Through Experiments With $^{32}$P in the Chick Embryo:
Herman Branson and Louis A. Hansborough 327

Crystalline Serotonin: Maurice M. Rapport, Arda Alden Green, and Irvine H. Page ........ 329

The Action of Ryanodine on the Contractile Process in Striated Muscle:
G. A. Edwards, et al. ............................................... 330

The Homing Tendency of Shad:
Edgar H. Hollis .................................................... 332

Effect of Antiserum and Prolonged Cultivation on the Agglutinative Characteristics of a
Type I Meningococcus:
Dorothy Neuhof Naiman ........................................... 334

The Inactivation of Invertase by Tyrosinase:
Irwin W. Sizer ..................................................... 335

Mammary Carcinoma in Female Rats Fed
2-Acetylaminofluorene:
R. W. Engel and D. H. Copeland ......................... 336

In the Laboratory

A Simple Micro-Beaker for Use With the
Beckman pH Meter (Model G):
Victor H. Diets ..................................................... 338

A Rapid Method for Preparing DDT in the
Laboratory: Joseph M. Ginsburg ......................... 339

Radioangiography: A New Method for Studying the Blood Flow Through the Chambers of
the Heart in Human Beings:
Myron Primzmetal, et al. ...................................... 340

Book Reviews

Principles of jet propulsion and gas turbines:
M. J. Zuerow.
Reviewed by Howard S. Seifert ............................. 342

Advances in military medicine:
C. Andrus, et al. (Eds.)
Reviewed by Morris C. Leikind .......................... 342

(Cover photo by Science Service, Inc.)