Contents

Summary of 1952 Elastomer Conference, Gordon Research Conferences: J. D. D'Ianni .......................................................... 387
A Discussion of Photosynthesis: Sterling B. Hendricks .......... 370

News and Notes ..................................................................... 374

Technical Papers

On an Equation Specifying Equilibrium Populations: C. C. Li .... 378
The Reaction of Diazonium Salts with Alcohols: Nathan Kornblum and Alec E. Kelley ......................................................... 379
 Biosynthesis of Estrone and ß-Estradiol in the Perfused Ovary: Nicholas T. Werthessen, Erwin Schwenk, and Cyril Baker .... 380
 Substrate Competition between Procaine and Succinylcholine Diiodide for Plasma Cholinesterase: Francis F. Foldes et al. .... 383
 Effects of Ferric Chloride and Bile on Plasma Cholesterol and Atherosclerosis in the Cholesterol-fed Bird: M. D. Siperstein, C. W. Nichols, Jr., and I. L. Chaikoff .............. 386

Comments and Communications

Photoperiodicity in Animals: The Role of Darkness: John Hammond, Jr., C. M. Kirkpatrick, and A. C. Leopold .......................... 389
 The Languages of the Language of Science: Robert J. Howerton and Charles E. Diss .............................................................. 391
 Baule-Mitscherlich Limiting Factor Equation: Jacob Verduin ...... 392
 Fluoridation of Water: Victor E. Caruso .................................. 392

Book Reviews

The Chemistry and Physiology of the Nucleus: V. T. Bowen, Ed. Reviewed by Michael Webb .......................................................... 393

The Study of Child Development ........................................... 3
Publications Received .......................................................... 10
Meetings & Conferences ...................................................... 12

AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE
117 (3041)

Science 117 (3041), 3-394.