Table of Contents

The Size of Silicone Molecules:
Theodore G. Rochow and Eugene G. Rochow .......... 271

Technical Papers

Ovular Tumors and Inhibition of
Embryo Growth in Incompatible Crosses
of Datura: J. Rappaport, S. Satina,
and A. F. Blakeslee ................................... 276

A Mechanical Heart with Coagulable
Blood: Lucien Brull ................................... 277

Hollow Crystals of Nitroguanidine:
Joseph Cohen et al. .................................... 278

Vacuum Differential Thermal Analysis:
Walter L. Whitehead and Irving A. Breger .... 279

Developmental Failure of the Pituitary
in Amphibian Embryos Treated with
Sugar: Richard M. Eakin ......................... 281

A Very Water-soluble Riboflavin
Derivative: George B. Stone .................... 283

A Correction for Linkage in the
Computation of Number of Gene Differences:
Everett R. Dempster and Leon A. Snyder .... 283

Correlation of Certain Physical Constants
of Some Alkyl Esters of n-Phenyl Carbamic
Acid, with Their Phytotoxicity:
V. H. Freed ........................................ 285

The Relationship between Human Serum
Cholinesterase and Serum Albumin:
Milton Gjelhaug Levine and Robert E. Hoyt 286

Comments and Communications

Foraminifera and Deep Sea Stratigraphy;
A Folliculinid from Northwestern Iowa;
Photographing Graphs for Publication;
Hotchkiss Reaction and Structure of Poly-
saccharides; Categories of Availability
or Validity of Zoologic Names .................... 288

Scientific Book Register ............................ 290

News and Notes ....................................... 291