Editorial
Chinese Embargo .................................................. 303

Articles
Chemistry of Lignification: S. A. Brown ............................................ 305
Biochemical research on lignins is yielding clues to the structure and formation
of these complex polymers.

Improving Scientific Communication: J. A. MacWatt .......................... 313
Reprints directly available from the publisher at a reasonable fee could
supplement today's journals.

Science and the News
The Test Ban Hearings: Congress Presses for Kennedy's Decision .......... 316

Book Reviews
V. Van Dyke's Political Science, reviewed by Q. Wright; other reviews ........ 322

Reports
Inactivation by Ultraviolet Light of an Acriflavine-Sensitive Gene Function
in Phage T4D: R. S. Edgar and R. H. Epstein ............................... 327

Nonreinforced Trial Procedure for Probability Learning: S. H. Revusky .... 328

Hemorrhage in a Coccinellid Beetle and Its Repellent Effect on Ants:
G. M. Happ and T. Eisner ......................................................... 329

Localization of Porphyrin Fluorescence in Planarians: E. K. MacRae .... 331

Aging in Irradiated and Nonirradiated Hydras: J. R. Stevenson and R. Buchsbaum 332

Radiation Dosimeter Utilizing the Thermoluminescence of Lithium Fluoride:
J. R. Cameron et al. ................................................................. 333

Protection of Mice against Lethal Staphylococcus Infection by Escherichia coli
Fractions: G. F. Springer et al. ..................................................... 335

Axenic Cultivation of Entamoeba histolytica: L. S. Diamond ................ 336

Intracellular Study of Recurrent Facilitation: V. J. Wilson and P. R. Burgess 337

Recovery of the Living Fossil Mollusk, Neopilina, from the Slope of the
Cedros Trench, Mexico: R. J. Menzies and D. J. Robinson .................. 338

Molecular Weight Determinations: R. D. Boyle and P. E. Hexner .......... 339

Constitution and Smoking: A. Damon ............................................. 339

Fluorine Substitution Affects Decarboxylation of 2,4-Dichlorophenoxyacetic
Acid in Apple: L. J. Edgerton and M. B. Hoffman ......................... 341

Variation in Clones of Penstemon Growing in Natural Areas of Differing
Radioactivity: W. S. Osburn, Jr. .................................................. 342

Enzymatic Formation of Psychotomimetic Metabolites from Normally Occurring
Compounds: J. Axelrod .............................................................. 343

Histochcmical Demonstration in Rat of Monoamine Oxidase Inhibition by
β-Phenyl-Isopropyl Hydrazine: K. K. Mustakallio, E. Levonen, J. Raekallio 344

Departments
Letters from S. C. Salmon and M. D. Lowenstein; W. P. Taylor; N. S. Lehrman 298

Oceanography in the Midwest; Forthcoming Events; New Products .......... 346

Cover
Part of chart Tycho D7-a, from Orthographic Atlas of the Moon, reviewed on page
323. [University of Arizona Press]