Editorial
The National Committee ............................................ 7

Articles
Equilibrium Diagrams and Single Crystal Growth: S. Zerfoss .......... 9
Oceanography, Fisheries, and Atomic Radiation: Committee on the Effects of Atomic Radiation on Oceanography and Fisheries .... 13
Disposal and Dispersal of Radioactive Wastes: Committee on Disposal and Dispersal of Radioactive Wastes .................. 17

Louis C. Karpinski, Historian of Mathematics: P. S. Jones .......... 19

News of Science
Nuclear Notes; Vault for the Future; TB and the Yellow Bacillus; Again, the “Abominable Snowman”; Microwave Detection of Metallic Ions in Plant Material; Scientists in the News; Recent Deaths; Grants, Fellowships, and Awards; In the Laboratories; Miscellaneous ............................................. 20

Reports
Colchicine-Induced Polyploidy in Chlamydomonas: D. F. Wetherell and R. W. Krauss ......................................................... 25
Stability of the Gene: C. C. Lindegren .................................... 26
Localization and Quantitation of Water in Biological Samples by Historigraphy: A. Engrström and D. Glick ........................... 27
Biosynthesis of Pelargonidin-3-glucoside-C\(^{14}\): G. E. Livingston and P. Markakis .............................................................. 28
Optical Isomerism and Pharmacological Action, a Generalization: C. C. Pfeiffer ................................................................. 29
Photoreactivation of Ultraviolet-Inactivated Diphosphopyridine Nucleotide: P. H. Wells ......................................................... 31
Serum and Liver Transaminase Activities in Experimental Virus Hepatitis in Mice: F. De Ritis, M. Coltorti, G. Giusti .................. 32
Consistent Biochemical Pattern in Malignant Tumors: A. K. Laird and A. D. Barton .......................................................... 32

Antiserotonin in Hypertension and the Antimetabolite Approach to Chemotherapy: D. W. Woolley and E. N. Shaw .............. 34

Book Reviews
Physics of Fully Ionized Gases; Advances in Genetics; Resonance in Organic Chemistry; Problems in Amoebiasis; Recent Studies in Avian Biology; The Chemistry of Tanning Processes; Protoplasmatologia, Handbuch der Protoplasmaforschung; New Books ................................................. 35

Meetings and Societies
STIP Boulder Conference; Meeting Notes; Society Elections; Forthcoming Events ............................................................ 38

Equipment News ..................................................................... 42