Contents

Cell Function in Relation to Structure: Abstracts of a Symposium at the Meeting of the Society of General Physiologists, Woods Hole, Massachusetts .............................. 683

Technical Papers
Changes Produced in the Central Nervous System by Ultrasound: Patrick D. Wall et al. .................................. 686
A Microbiological Assay Method for Microgram Quantities of Manganese in Biological Material: Jesse Charney and W. P. Fisher ...................................... 687
Acceleration and Retardation of Abscission by Indoleacetic Acid: Frederick T. Addicott and Ruth Stocking Lynch .......... 688
The Inhibition by Furacin of Adaptive Enzyme Formation in Mycobacterium butyricum: Glen R. Gale .......... 689
The \( \beta \)-Glucuronidase Activity of Chemically Induced Rat Hepatoma: G. T. Mills and Evelyn E. B. Smith .......... 690
Improved Artificial Respirator for Animal Experimentation: J. K. Merlis and John Degelman ........ 692
Influence of Thyroid Status on Spermatogenesis: M. Magwood .......................................................... 693
Tracer Studies with Alligator Weed Using 2,4-D-C\( ^{14} \): T. T. Earle, Karlem Riess, and John Hidalgo .......... 695

Book Reviews
Time's Arrow and Evolution; Metallurgical Thermochemistry; Crops in Peace and War ........ 697

News and Notes

Ocean Wave Studies ........................................... 3
Meetings & Conferences .................................. 16
Index to Volume 114 ........................................ 1

AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE