

CONTENTS

NUMBER 1, MAY, 1944

I. The Absorption and Excretion of Allantoin in Mammals. E. Gordon Young, Helen P. Wentworth and W. W. Hawkins.....	1
II. The Role of Pyrogens in the Alleged Leukocytic Response to Allantoin. E. Gordon Young and W. W. Hawkins.....	10
III. The Toxicity of Sulfamerazine and Sulfamethazine. L. H. Schmidt, Hettie B. Hughes, Elizabeth A. Badger and Ida G. Schmidt.....	17
IV. The Chemotherapeutic Activities of Sulfamerazine and Sulfamethazine. L. H. Schmidt, Clara L. Sesler and Hettie B. Hughes.....	43
V. The Effects of Sulfanilamide and Azide on Oxygen Consumption and Cell Division in the Egg of the Sea Urchin, <i>Arbacia punctulata</i> . Kenneth C. Fisher, R. J. Henry and E. Low.....	58
VI. Inhibition of Cholinesterase Activity of Nervous Tissues by Eserine in vivo. G. L. Cantoni and O. Loewi.....	67
VII. Anesthetic Activity of the <i>cis-trans</i> Isomers of Trichloroethylidene Glycerol. Thomas C. Butler.....	72
VIII. Effect of Tyrosinase on Phenethylamine Derivatives. Lowell O. Randall and George H. Hitchings.....	77
IX. Amides, Amines and Related Compounds as Diuretics. Werner L. Lipschitz and Zareh Hadidian.....	84
X. Cardiac and Blood Pressure Effects of Pitocin (Oxytocin) in Man. R. A. Woodbury, W. F. Hamilton, Perry P. Volpitto, B. E. Abreu and H. T. Harper, Jr.....	95

NUMBER 2, JUNE, 1944

XI. Treatment of Experimental Renal Hypertension with Renal Extracts. G. E. Wakerlin, C. A. Johnson, W. G. Moss and M. L. Goldberg.....	101
XII. The Adrenolytic and Sympatholytic Actions of Yohimbine and Ethyl Yohimbine. Frederick F. Yonkman, Don Stilwell and Robert Jeremias.....	111
XIII. Toxicological Studies of Phthalylsulfathiazole. Paul A. Mattis, Wilbur M. Benson and Ethol S. Koelle.....	116
XIV. Inhibitory Effect of Sulfonamides on the Action of Nicotine in the Isolated Intestine. E. P. Pick, G. W. Brooks and K. Unna.....	133
XV. The Toxicity and Treponemicidal Activity of Amide-Substituted Phenyl Arsenoxides and Their Derivatives. Harry Eagle, Ralph B. Hogan, George O. Doak and Harry G. Steinman.....	142
XVI. Pharmacology and Chemistry of Substances with Cardiac Activity. III. The Effect of Simple Unsaturated Lactones and <i>t</i> -Butyl Hydrogen Peroxide on the Isolated Frog Heart. Rafael Mendez.....	151
XVII. Plasma Concentrations Following the Oral Administration of Single Doses of the Principal Alkaloids of Cinchona Bark. Edwin P. Hiatt.....	160
XVIII. Studies on Shock Induced by Hemorrhage. VII. The Destruction of Cozymase and Alloxazine Adenine Dinucleotide in Tissues during Shock. Margaret E. Greig.....	164
XIX. The Antispasmodic Activity of Some 4-Morpholinealkyl Esters. I. Toxicity, Isolated Smooth Muscle Effects and Spasmolytic Activity on the Ileum of Anesthetized Dogs. Harold F. Chase, Arnold J. Lehman and Frederick F. Yonkman.....	174
XX. The Comparative Anoxic Effects from Carbon Monoxide Hemoglobin and Methemoglobin. David Lester and Leon A. Greenberg.....	182

- XXI. Chemotherapy of Filariasis in the Cotton Rat by Administration of Neostam and of Neostibosan. James T. Culbertson and Harry M. Rose.... 189
- XXII. Relationship of Chemical Structure of Sympathomimetic Amines to Ventricular Tachycardia during Cyclopropane Anesthesia. O. S. Orth, J. W. Stutzman and Walter J. Meek..... 197
- XXIII. An Evaluation of the Influence of Succinate and Malonate on Barbiturate Hypnosis. Karl H. Beyer and Albert R. Latven..... 203

NUMBER 3, JULY, 1944

- XXIV. Local Nervous Tissue Changes Following Spinal Anesthesia in Experimental Animals. Co Tui, M.D., A. L. Preiss, M. D., I. Baroham, M.D., and Marshall I. Nevin, M.D..... 209
- XXV. A Distribution Method for the Differentiation of Urinary Excretion Products of the Sulfonamide Drugs and the Role of These Products in Urolithiasis. John V. Soudi and Viola C. Jelinek..... 218
- XXVI. The Toxicity and Trypanocidal Activity of Some Organic Antimonials. L. G. Goodwin..... 224
- XXVII. A Contribution to the Pharmacology of the Aliphatic Amines. Raymond P. Ahlquist..... 235
- XXVIII. Studies on Shock Induced by Hemorrhage. VIII. The Inactivation of the Apoenzyme of Amino Acid Oxidase and Lactic Dehydrogenase in Anoxia. Margaret E. Greig..... 240
- XXIX. The Bone Marrow Procedure for the Assay of Liver Extracts for Anti-Pernicious Anemia Activity. C. M. Young and H. D. Bett..... 248
- XXX. A Toxicological and Pharmacological Investigation of Sodium Sec-Butyl Ethyl Barbituric Acid (Butisol Sodium). Charles M. Gruber, Fred W. Ellis and Goldie Freedman..... 254
- XXXI. Clinical Actions of Ethylnorsuprarenin. M. L. Tainter, M.D., W. M. Cameron, M.D., L. J. Whitsell, M.D., and M. M. Hartman, M.D..... 269
- XXXII. The Toxicity and Trypanocidal Activity of p-Sulfonamidophenylarsonic Acid and Certain of Its Derivatives. E. Leong Way and L. K. Chan.... 278
- XXXIII. The Acute Toxicity for Mice of "Mapharsen" and Sodium Sulfathiazole Administered Separately and in Combination. Elizabeth M. Cranston, William G. Clark and Ernest A. Strakosch..... 284
- XXXIV. Relation of the Intensity of the Morphine Abstinence Syndrome to Dosage. Howard L. Andrews and C. K. Himmelsbach..... 288
- XXXV. Inhibition of Nervous Transmission in Synapses and End Plates by Thiamine. K. Unna and E. P. Pick..... 294
- XXXVI. Sulfamerazine (2-Sulfanilamido-4-Methylpyrimidine). III. The Comparative Activity of Sulfamerazine, Sulfadiazine and Sulfapyridine in the Production of Hemolytic Anemia in the Mouse. Albert R. Latven and Arnold D. Welch..... 301

NUMBER 4, AUGUST, 1944

- XXXVII. The Pharmacological Basis for the Rational Use of Atabrine in the Treatment of Malaria. James A. Shannon, David P. Earle, Jr., Bernard B. Brodie, John V. Taggart, Robert W. Berliner and the Resident Staff of the Research Service..... 307
- XXXVIII. Iodine in Blood and Thyroid. VII. An Analytical Procedure for Use in Small Samples: Pharmacological Range of Concentrations. T. S. Sappington, N. Halperin and W. T. Salter..... 331
- XXXIX. Changes in Activity of Pulmonary Receptors in Anaesthesia and Their Influence on Respiratory Behavior. D. Whitteridge and E. Bülbring.... 340

CONTENTS

v

XL. Some Comparative Pharmacological Actions of Beta-hydroxy and Methoxy Phenyl-n-propylamines. Boyd E. Graham and George F. Cartland....	360
XLI. General Analgesic Effects of Procaine. Nolton Bigelow and Irving Harrison.....	368
XLII. The Oxidation in vitro of Morphine by Rat Liver Slices. Frederick Bernheim and Mary L. C. Bernheim.....	374
XLIII. The Digitalis Cat Assay in Relation to Rate of Injection. C. I. Bliss and M. G. Allmark.....	378
XLIV. Streptothricin as a Chemotherapeutic Agent. Harry J. Robinson and Dorothy G. Smith.....	390
XLV. Comparative Anticonvulsive Action of 3,5,5-trimethyloxazolidine-2,4-dione (Tridione), Dilantin and Phenobarbital. Guy M. Everett and Richard K. Richards.....	402
XLVI. Index.....	409