

CONTENTS

NUMBER 1, SEPTEMBER, 1947

I. Cardiovascular and Respiratory Effects of the Antihistamine Agent, β -Dimethylaminoethyl Benzhydryl Ether Hydrochloride (Benadryl Hydrochloride). Claude V. Winder and Richard W. Thomas.....	1
II. Action of Digitalis Glycosides on the Central Nervous System with Special Reference to the Convulsant Action of Red Squill. Harry Gold, Walter Modell, McKeen Cattell, Joseph G. Benton, and Elaine W. Cotlove.....	15
III. The Toxic Action of Preparations Containing the Oxygen-Labile Hemolysin of <i>Streptococcus Pyogenes</i> . IV. Comparison of Cardiotoxic Action with That of Saponin. G. L. Cantoni and Alan W. Bernheimer.....	31
VI. Metabolic Action of the Cardiac Glycosides. I. Influence on Respiration of Heart Muscle and Brain Cortex. Albert Wollenberger.....	39
V. Tests for the Chronic Toxicity of Propylene Glycol and Triethylene Glycol on Monkeys and Rats by Vapor Inhalation and Oral Administration. O. H. Robertson, M.D., Clayton G. Loosli, M.D., Theodore T. Puck, Ph.D., Henry Wise, M.S., Henry M. Lemon, M.D., and William Lester, Jr., M.D.....	52
VI. The Effect of Di-isopropyl Fluorophosphate on Neuromuscular Transmission. Carlton C. Hunt.....	77
VII. Hypoprothrombinemia Resulting from the Administration of Sulfaquinoline. Charles W. Mushett and Albert O. Seeler.....	84

NUMBER 2, OCTOBER, 1947

VIII. A Comparison of Racemic and Levo Glycero-guaiacol Ethers for Anesthetic and Other Actions. H. Ward Smith.....	93
IX. Some Effects of 1-Methyl-4-phenyl Ethyl Isonipecotate (Demerol) and 6-Dimethylamino-4,4,-diphenyl-3-Heptanone (Amidone) Upon the Metabolism of Rat Brain Tissue in Vitro. Henry W. Elliott, Albert E. Warrens and Hal P. James.....	98
X. A Comparison of Some Anti-histamine Substances. J. D. P. Graham.....	103
XI. Amebocidal and Pharmacologic Activities of Carbarsone Oxide (P-Carbamidophenylarsenous Oxide) and Its Dithiocarboxymethyl and Dithiocarboxyphenyl Derivatives. Hamilton H. Anderson, Eder Lindsay Hansen, Peter P. T. Sah and John R. Cafiso.....	112
XII. A Diuretic Factor Present in Normal Dog, Human, and Dialyzed Human Urine. J. Maxwell Little.....	124
XIII. Digitalis VI, Pharmacodynamic Studies of Gitogenin. Harry K. Iwamoto, Frederick K. Bell, Fritz O. Laquer, C. Jeileff Carr and John C. Krantz, Jr.....	130
XIV. The Acute Joint Toxicity of Atabrine, Quinine, Hydroxyethylapocupreine, Pamaquine and Pentaquine. Graham Chen and E. M. K. Geiling.....	133
XV. An Evaluation of Assay Methods for Arsenicals. Graham Chen and J. H. McCreary.....	140
XVI. A Mouse Assay for Curare. H. G. Skinner and D. M. Young.....	144
XVII. Further Observations on the Pharmacology of 'Dolophine' (Methadon, Lilly). C. C. Scott, K. K. Chen, K. G. Kohlsteadt, E. B. Robbins and F. W. Israel.....	147
XVIII. The Toxicity and General Pharmacology of N_1 - <i>p</i> -Chlorophenyl- N_5 -Isopropyl Biguanide. K. K. Chen and Robert C. Anderson.....	157
XIX. Evaluation of Chemoprophylactic Activity by the Subcutaneous Implan-	

tion of Pellets of Sulfonamides in Mice. Albert R. Latven and Arnold D. Welch.....	161
XX. The Pharmacology of a New Series of Choline Salts. C. Jelleff Carr and Frederick K. Bell.....	169
XXI. The Distribution of Quinacrine in Dogs and in Rabbits. Earl H. Dearborn.....	174
XXII. Studies In Vitro and In Vivo on the Influence of the Liver on Isonipecaïne (Demerol) Activity. E. Leong Way, Rollan Swanson and Abraham I. Gimble.....	178
XXIII. The Quantitative Estimation of Theophylline in Blood. Edward B. Truitt, Jr., C. Jelleff Carr, Howard M. Bubert and John C. Krantz, Jr.	185
XXIV. Local Anesthetic Action of a Series of Aryl-Urethanes. Helen Ramsey and H. B. Haag.....	190
NUMBER 3, NOVEMBER, 1947	
XXV. Studies in Analgesis: Piperidine Derivatives with Morphine-like Activity. R. H. K. Foster and Arlueen J. Carman.....	195
XXVI. Absorption and Renal Excretion of the Tetraethylammonium Ion. Barbara R. Rennick, Gordon K. Moe, Richard H. Lyons, Sibley W. Hoobler and Rosalie Neligh.....	210
XXVII. The Influence of Various Substances on Chronic Selenium Poisoning. Irene Rosenfeld and O. A. Beath.....	218
XXVIII. The Toxicity and Pharmacological Action of the Nitrogen Mustards and Certain Related Compounds. William P. Anslow, Jr., David A. Karnovsky, B. Val Jager, and Homer W. Smith.....	224
XXIX. Antagonism of Curare Action by Neostigmine, Physostigmine, Ephedrine and Di-Isopropyl Fluorophosphate (DFP). Harold F. Chase, John L. Schmidt and Bani K. Bhattacharya.....	236
XXX. The Estimation of 4'-Carboxyphenylmethane Sulfonamide (Caronamide) in Biological Fluids. Bernard B. Brodie, Betty Levy and Eleanore Bernstein.....	246
XXXI. The Renal Excretion of 4'-Carboxyphenylmethane Sulfonamide (Caronamide). David P. Earle, Jr., and Bernard B. Brodie.....	250
XXXII. Effect of Carbon Tetrachloride Liver Damage in the Rabbit and Rat on Acetylcholine Esterase Activity. Sydney Ellis, Shirley Sanders and Oscar Bodansky.....	255
XXXIII. 4'-Carboxyphenylmethanesulfonamide (Caronamide): Its Toxicologic Effects. Karl H. Beyer, Samuel E. McKinney, Elizabeth K. Tillson and C. William Green.....	263
XXXIV. Certain Pharmacologic Properties of 4'-Carboxyphenylmethanesulfonamide (Caronamide), Including Its Effect on the Renal Clearance of Compounds Other than Penicillin. Karl H. Beyer, Horace F. Russo, Elizabeth A. Patch, Elizabeth K. Tillson and Grace Shaner.....	272
XXXV. The Effects of Caffeine and Theobromine Derivatives on Oxygen Consumption of Muscle. Chalmers L. Gemmill.....	288
XXXVI. The Effects of Caffeine and Theobromine Derivatives on Muscle Glycolysis. Chalmers L. Gemmill.....	292
XXXVII. The Effect of Chronic Poisoning with Di-Isopropyl Fluorophosphate on Neuromuscular Function in the Cat. Carlton C. Hunt and Walter F. Riker, Jr.....	298
NUMBER 4, DECEMBER, 1947	
XXXVIII. Further Experiments in an Attempt to Locate the Site of the Emetic Action of the Digitalis Glycosides. Melvin Dresbach.....	307

CONTENTS

v

XXXIX. The Effect of Ascorbic Acid in Reducing the Inhibition of Brain Metabolism Produced by Pentobarbital in Vitro. Margaret E. Greig.....	317
XL. The Comparative Pharmacological Activity of Beta-Cyclopentylethylamine and Beta-Cyclopentylisopropylamine. David F. Marsh, M. H. Pelletier and C. A. Ross.....	324
XLI. The Role of the Liver in the Detoxication of Thiopental (Pentothal) and Two Other Thiobarbiturates. F. E. Shideman, A. R. Kelly and B. J. Adams.....	331
XLII. Effects of Chronic DDT Intoxication in Rats on Lipids and Other Constituents of Liver. Herbert P. Sarett and Bernard J. Jandorf.....	340
XLIII. Studies of the Mechanisms of Liver and Kidney Injury. III. Methionine Protects Against Damage Produced in the Rat by Diets Containing Pyridine. James H. Baxter.....	345
XLII. Studies of the Mechanisms of Liver and Kidney Injury. IV. A Comparison of the Effects of Pyridine and Methyl Pyridinium Chloride in the Rat. James H. Baxter and Morton F. Mason.....	350
XLV. Studies on the Fate of Nicotine in the Body. V. Observations on Relation of Nicotine Dosage to Per Cent Excreted in Urine, Rate of Excretion and Rate of Detoxication. J. K. Finnegan, P. S. Larson and H. B. Haag.....	357
XLVI. The Effect of Nikethamide on Coronary Blood Flow and Cardiac Oxygen Metabolism. James E. Eckenhoff and Joseph H. Hafkenschiel.....	362
XLVII. Benzoylcholine and Atropine Esterases. Sydney Ellis.....	370
XLVIII. Comparative Effects of Atabrine and of Streptomycin on Experimental Tuberculosis in the Guinea Pig. Alfred G. Karlson, D.V.M., Ph.D., William H. Feldman, D.V.M., M.Sc., D.Sc., and Harold L. Mason, Ph.D..	379
XLIX. Toxicology of 1,2-Dichloroethane (Ethylene Dichloride). IV. Its Detoxication by l-cystine, dl-methionine and Certain other Sulfur Containing Compounds. Leon A. Heppel, Virginia T. Porterfield and Norman E. Sharpless.....	385
L. Index.....	395