CONTENTS

Number 1, May, 1947

I. The Synergism of Anesthetics and Hypnotics with Curare and Curare-Like Alkaloids. E. P. Pick and G. V. Richards .................. 1

II. The Effects of Various Chemicals on the Survival of Frog Muscle and Nerve after Somatic Death. Torald Sollmann.................. 14


IV. Studies on Streptomycin. II. Inactivation of Streptomycin upon Standing in Certain Culture Media and Human Serum. Richard J. Henry, Sam Berkman and Riley D. Housewright .................. 42

V. Treatment of Methemoglobinemia. Oscar Bodansky and Helmut Gutmann.......................... 46

VI. The Action of Aistonine. K. G. Wakim and K. K. Chen........... 57

VII. The Metabolic Fate of Acetanilid and Other Aniline Derivatives. II. Major Metabolites of Acetanilid Appearing in the Blood. David Lester and Leon A. Greenberg .................. 68


X. Anesthesia. XXVIII. The Anesthetic Action of Ethyl Vinyl Ether. John C. Krantz, Jr., C. Jelleff Carr, Ruth D. Musser and Mary Jane Sauerwald........................................ 88

Number 2, June, 1947

XI. Effect of Metrazol on the Electrical Excitability of the Respiratory Center When Depressed by Phenobarbital. Maria I. Robert de Ramirez de Arellano........................................ 95


XIV. Some Pharmacological Properties of Rutin. Robert H. Wilson, T. G. Mortarotti and Floyd DeEds.................. 120

XV. The Action of Sulfhydryl Reagents Upon the Isolated Frog Heart. Rafael Mendez and Braulio Ferreira........................................ 128


XVII. The Metabolic Fate of Acetanilid and Other Aniline Derivatives. III. The Role of p-Aminophenol in the Production of Methemoglobinemia After Acetanilid. Leon A. Greenberg and David Lester............. 150

XVIII. Urinary and Fecal Excretion of Sulfanilamide Derivatives After Oral Administration to Rats. Elizabeth Taylor, Fred H. Snyder and Fred W. Oberst ........................................ 154

XIX. Protective Action of p-Aminobenzoic Acid Against Certain Bismuth Preparations. Elbert Voss and A. L. Tatum.................. 161
CONTENTS


XXI. Anomalous Distribution of Antimony in White Rats Following the Administration of Tartar Emetic. A. T. Ness, Frederick J. Brady, D. B. Cowie and Alfred H. Lawton................................. 174

NUMBER 3, JULY 1947

XXII. Studies on the Local Anesthetic Properties of 131 Alkylamino Alcohol Esters. Samuel Kuna and Albert O. Seeler.............................. 181

XXIII. The Relative Value of Synthetic Quinidine, Dihydroquinidine, Commercial Quinidine, and Quinine in the Control of Cardiac Arrhythmias. Fred Alexander, M.D., Harry Gold, M.D., Louis N. Katz, M.D., Robert L. Levy, M.D., Roy Scott, M.D. and Paul D. White, M.D.................. 191


XXV. A Comparison of Certain Digitalis Glycosides. A. M. Wedd and H. A. Blair.......................................................... 211


XXVII. A Study of Comparative Antihistaminic Activity of Six Compounds. Charles A. Winter....................................................... 224


XXIX. The Bronchodilator Action of Compounds Structurally Related to Epinephrine. O. H. Siegmund, H. R. Granger and A. M. Landa........................................... 254

XXX. The Acute Toxicity of Thioureas and Related Compounds to Wild and Domestic Norway Rats. Sally H. Dieke, George S. Allen and Curt P. Richter........................................... 260

XXXI. Digitalis-Like Action of Some New Glycosides and Esters of Strophanthidin. K. K. Chen and Robert C. Anderson ........................................... 271

NUMBER 4, AUGUST, 1947

XXXII. Studies on the Mechanism of Death in Dogs after Systemic Intoxication by the Intravenous Injection of Methyl-bis(β-chloroethyl)amine or tris (β-chloroethy)amine. C. Riley Houck, Betty Crawford, James H. Bannon and Homer W. Smith........................................... 277

XXXIII. The Action of the Basic Amino Acids on the Heart and Intestine. Martin M. Winbury and Phoebe J. Crittenden........................................... 293

XXXIV. The Influence of Rate of Administration upon the Lethal Dose of Cardiac Glycosides. George J. Mares and Alfred E. Farah........................................... 304

XXXV. Response of Penicillin-Resistant Strains of Staphylococcus Aureus to Extracts of Beef Brain. L. G. Nutini and Sr. E. M. Lynch........................................... 313


XXXVII. Detoxification of Barbiturates. Albert Dorfman, 1st Lt., MC, and Leo R. Goldbaum........................................... 330

XXXVIII. The Intraperitoneal Toxicity of some Glycols, Glycol Ethers, Glycol Esters, and Phthalates in Mice. Leonard Karel, Benjamin H. Landing, 1st Lt., MC, and Thomas S. Harvey........................................... 338
CONTENTS

XXXIX. L-Thiosorbitol and BAL as Antidotes in Phenylthiourea Poisoning. Thomas S. Harvey, M.D., Howard J. Tatum, M.D., and Sylvia Himmelfarb ........................................ 348
XL. The Pharmacology of 2-Amino-6-Methylheptane. Edwin J. Fellows .... 351
XLII. Effect of Rutin on Permeability of Cutaneous Capillaries. Anthony M. Ambrose and Floyd DeEds .............................................. 359
XLII. The Excretion of N\textsuperscript{14} in the Urine of Dogs after the Administration of Labeled Pentobarbital. H. B. van Dyke, John V. Scudi and D. L. Tabern ............. 364
XLV. Index ......................................................... 375