

## CONTENTS

## NUMBER 1, JANUARY, 1945

I. Relation between Body Weight and Caffeine Toxicity in <i>Bufo arenarum</i> Hensel. B. Gunther and J. B. Odoriz .....	1
II. The Posterior Pituitary-like Activity of Commercial Anterior Pituitary Preparations. S. E. Dicker and H. Heller.....	11
III. The Effect of Two Dioxane Derivatives, 883 and 933F, on Normal Dogs and on Animals with Neurogenic and Renal Hypertension. R. J. Bing and C. B. Thomas.....	21
IV. Anesthesia. XVIII. A Comparative Study of Propethylene and Cyclopropane on Cardiac Automaticity. William E. Evans, Jr., Robert H. Oster and John C. Krantz, Jr.....	40
V. Studies on the Antagonism of Sodium Succinate to Barbiturate Depression. N. W. Pinschmidt, Helen Ramsey and H. B. Haag .....	45
VI. Distribution of Tungsten in the Rat Following Ingestion of Tungsten Compounds. F. W. Kinard and J. C. Aull.....	53
VII. Effect of $\text{NH}_4\text{Cl}$ on the Life-Maintaining Action of Desoxycorticosterone Acetate in Adrenalectomized Rats. Hans Selye and Helen Stone.....	56
VIII. The Effect of Curare and Curare-like Substances on the Central Nervous System. Ernest P. Pick and Klaus Unna.....	59
IX. Chemotherapy and Antitoxin Therapy of Experimental <i>Cl. welchii</i> Infection in Mice. Charles O. Siebenmann and Helen Plummer.....	71
X. Note on the In Vitro Inactivation of Morphine by Liver. Frederick Bernheim and Mary L. C. Bernheim.....	85
XI. The Action of Some Spasmolytic Substances on Uterine Motility. Gerhard Lehmann.....	86
XII. The Anti-histamine Activity of Diethylaminoethyl-Dihydroanthracene-Carboxylate and Other Substances. Gerhard Lehmann and James W. Young.....	90
XIII. Digitalis and Calcium. S. Blumenfeld and O. loewi.....	96

## NUMBER 2, FEBRUARY, 1945

XIV. The Distribution of Quinine, Quinidine, Cinchonine and Cinchonidine in Fluids and Tissues of Dogs. Edwin P. Hiatt and Gertrude P. Quinn.....	101
XV. The Mode of Action of Nitric Esters. C. R. Marshall.....	106
XVI. Synthetic Benzhydryl Alkamine Ethers Effective in Preventing Fatal Experimental Asthma in Guinea Pigs Exposed to Atomized Histamine. Earl R. Loew, Margaret E. Kaiser and Vernon Moore.....	120
XVII. The Effects of <i>Lithospermum ruderale</i> on the Estrous Cycle of Mice. Elizabeth M. Cranston.....	130
XVIII. On the Combination of Some Cardio-Active Glycosides with Serum Proteins. Alfred Farah.....	143
XIX. Absorption of Single Doses of Iron. Lloyd W. Hazleton and Emily A. M. Godfrey.....	158

## NUMBER 3, MARCH, 1945

XX. Antagonists for the Circulatory Depression of Quinine Injected Intravenously and the Implied Cholinergic Action, and Nature and Importance of the Vasodilatation, in the Depression. Robert H. Dreisbach and P. J. Hanzlik.....	167
XXI. Behavior in the Body of Some Fractions of Gelatin. P. K. Knoefel and Gerhard Lehmann.....	185

XXII. Acute Toxicity of Thiourea to Rats in Relation to Age, Diet, Strain and Species Variation. Sally H. Dieke and Curt P. Richter.....	195
XXIII. The Pharmacological Behavior of Some Derivatives of Sulfadiazine. H. B. van Dyke, Natalia A. Tupikova, Bacon F. Chow, and H. A. Walker.....	203
XXIV. A Chemical Evaluation of Digitalis. Frederick K. Bell and John C. Krantz, Jr.....	213
XXV. Studies on Shock Induced By Hemorrhage. IX. The Inhibition of Amino Acid Oxidation in Shock Induced by Hemorrhage. Wm. E. deTurk and Margaret E. Greig.....	220
XXVI. Studies on Shock Induced by Hemorrhage. X. Hemoglobin Solutions as Blood Substitutes. Paul D. Lamson, Benjamin H. Robbins and Margaret E. Greig.....	225

## NUMBER 4, APRIL, 1945

XXV. The Mode of Action of Three New Diuretics: Melamine, Adenine, and Formoguanamine. Werner L. Lipschitz and Edgar Stokey.....	235
XXVI. Studies on Shock Induced by Hemorrhage. XI. A Method for The Accurate Control of Blood Pressure. Paul D. Lamson and Wm. E. deTurk..	250
XXVII. The Comparative Pharmacological Action of Some Phenyl-, Cyclohexyl- and Cyclopentylalkylamines. A. M. Lands, John R. Lewis and V. Lorraine Nash.....	253
XXVIII. The Effect of Hepatotoxic Alkaloids on the Prothrombin Time of Rats. Charles L. Rose, Robert D. Fink, Paul N. Harris and K. K. Chen.....	265
XXIX. Thiouracil Levels in Serum and Urine. K. E. Paschkis, A. Cantarow, A. E. Rakoff and E. K. Tillson.....	270
XXX. Metabolism, Toxicity and Manner of Action of Gold Compounds in the Treatment of Arthritis. VII. The Effect of Various Gold Compounds on the Oxygen Consumption of Rat Tissues. Walter D. Block and Elizabeth L. Knäpp.....	275
XXXI. Renal Clearance of Sulfamerazine, Sulfadiazine, Sulfathiazole and Sulfapyridine in Man. John G. Reinhold, Harrison F. Flippin, A. H. Domm, J. J. Zimmerman and Leon Schwartz.....	279
XXXII. Studies on Antimalarial Drugs. The Distribution of Atabrine in the Tissues of the Fowl and the Rabbit. Frances K. Oldham and F. E. Kelsey.....	288
XXXIII. Studies on Pain: The Effects of Analgesic Agents on Sensations other than Pain: Abraham Wikler, Helen Goodell and Harold G. Wolf.....	294
XXXIV. Index.....	301