

CONTENTS

NUMBER 1, JANUARY, 1942

I. Effects of Calcium Administered Parenterally to the Normal and the Parathyroidectomized Dog. Paul L. Bedinger, A. B. Kendrick and Robert W. Keeton.....	1
II. The Determination of Chloral Hydrate, Chloroform, and Related Substances in Blood. W. Lloyd Adams.....	11
III. The Relation of Protein Intake to Lead Poisoning in Rats. H. D. Baernstein and J.A. Grand.....	18
IV. Studies on the Toxicity of Actinomycin. Harry J. Robinson and Selman A. Waksman.....	25
V. Peptone Shock in Rabbits. Franz R. Gotzl and Carl A. Dragstedt.....	33
VI. Studies on the Fate of Morphine. Fred W. Oberst.....	37
VII. A Therapeutic Incompatibility between Sulfapyridine and Quinine. Ben King Harned and Versa V. Cole.....	42
VIII. An In Vitro Study on the Synergistic Action of Sulfamido Compounds and Azochloramid upon Various Pathogenic Microorganisms. Erwin Neter.....	52
IX. Effect of Treatment with Testosterone Propionate on Mercuric Chloride Poisoning in Rats. L. P. Longley.....	61
X. The Comparative Physiological Action of Analogous Trimethyl Ammonium Iodides of Benzene and Furane. Edwin J. Fellows and A. E. Livingston.....	65
XI. Conjugation of Sulfanilamide by a Pathological Tissue <i>in Vitro</i> . A. Goth.....	71
XII. Some Toxicological and Pharmacological Properties of Gramicidin, Tyrocidine and Tyrothricin. Harry J. Robinson and Hans Molitor.....	75
XIII. Studies on the Portal Pressure Effects of Digitalis. Frederick P. Sedgwick and Maurice B. Visscher.....	83
XIV. Effects of Morphine and Its Derivatives on Intermediary Metabolism. III. The Influence of Chronic Morphine Poisoning on the Oxygen Consumption of Rat Skeletal Muscle. F. E. Shideman and M. H. Seevers.....	88
XV. Experimental Comparison of Several Alkylmercuric Chlorides as "Skin Sterilizing" Agents. Milton T. Bush and Allan D. Bass.....	95

NUMBER 2, FEBRUARY, 1942

XVI. In Vitro Action of Sulfonamides on Lymphogranuloma Venereum Virus. Ernest C. Holder, Sonnia Levine, and Jesse G. M. Bullowa.....	99
XVII. The Uricosuric Effects of Certain Polyhydric Alcohols and Saccharides. G. P. Grabfield and D. Swanson.....	106
XVIII. A Study of the Toxic Properties of Tung Nuts. J. L. E. Erickson and J. H. Brown, Jr.....	114
XIX. The Delay in Onset of Action of Intravenously Injected Anesthetics. Thomas C. Butler.....	118
XX. Some Properties of Ficin. James C. Andrews and W. E. Cornatzer.....	129
XXI. Intravenous Injections of Soluble Bismuth Compounds: Their Toxicity, and Their Sojourn in the Blood and Organs. Torald Sollmann and Joseph Seifter.....	134
XXII. The Fate of Certain Sympathomimetic Amines in the Body. Karl H. Beyer and W. Vernon Lee.....	155

XXIII. The Action of Certain Sulfonamides, Sulfones and Related Phosphorus Compounds in Experimental Tuberculosis. M. I. Smith, E. W. Emmart and B. B. Westfall.....	163
XXIV. Studies on Sulfonamide-Resistant Organisms. I. Development of Sulfaipyridine Resistance by Pneumococci. L. H. Schmidt, Clara Sesler, and H. A. Dettwiler.....	175
XXV. The Isolation of a Protein from the Pars Neuralis of the Ox Pituitary with Constant Oxytocic, Pressor and Diuresis-Inhibiting Activities. H. B. van Dyke, Bacon F. Chow, R. O. Greep and Alexandre Rothen	190
XXVI. The Effect of Multiple Substituents on the Toxicity and Treponemicidal Activity of Phenylarsenoxide. Harry Eagle, Ralph B. Hogan, George O. Doak and Harry G. Steinman.....	210
XXVII. The Effects of Some Spasmolytic Substances on Gastric Function. G. Lehmann and P. K. Knoefel.....	217
XXVIII. The Digitalis-like Principles of Calotropis Compared with Other Cardiac Substances. K. K. Chen, C. I. Bliss and E. Brown Robbins	223
XXIX. A Study of Antidotes for Fluorine. S. Marcovitch and W. W. Stanley	235

NUMBER 3, MARCH, 1942

XXX. The Mechanism of Morphine Miosis. F. D. McCrea, G. S. Eadie and J. E. Morgan.....	239
XXXI. Solubility Studies and the Oral Administration of Sodium Sulfaipyridine. Sidney S. Sabin.....	247
XXXII. Assay of Anti-Pernicious Anemia Liver Concentrates by the Use of an Isolated Bone Marrow Preparation. Nello Pace and R. S. Fisher..	256
XXXIII. The Pharmacological Behavior of the Intraocular Muscles. IV. The Action of Strychnine on the Dilator and Sphincter Iridis. Erich Sachs.....	262
XXXIV. Observations on the Chronic Toxicities of Propylene Glycol, Ethylene Glycol, Diethylene Glycol, Ethylene Glycol Mono-Ethyl-Ether, and Diethylene Glycol Mono-Ethyl-Ether. Herman J. Morris, Arthur A. Nelson, and Herbert O. Calvery.....	266
XXXV. The Spasmolytic and Local Anesthetic Action of Some Derivatives of Fluorene-Carboxylic Acid and Related Compounds. G. Lehmann and P. K. Knoefel.....	274
XXXVI. Influence of Diet on Sulfanilamide Toxicity. Israel Kapnick, Champ Lyons and John D. Stewart.....	284
XXXVII. The Relationship Between Chemical Structure and Pharmacological Activity of Forty-Three New Synthetic Local Anesthetics. Alfred Gilman, Louis Goodman, John M. Thomas, George A. Hahn and John M. Prutting.....	290
XXXVIII. The Effect of Sympathomimetic Amines on Pancreatic Secretion. Harry Greengard, Robert A. Roback and A. C. Ivy.....	309
XXXIX. Hemodynamic Effects of Intravenous Morphine and Pentothal Sodium. Emanuel M. Papper and Stanley E. Bradley.....	319
XL. The Quantitative Nature of the Coaction of Bismuth and Arsenical Compounds in the Therapy of Experimental Syphilis. N. M. Clausen, B. J. Longley and A. L. Tatum.....	324

NUMBER 4, APRIL, 1942

XLI. The Action of Papaverine on the Heart of the Dog. Stephen R. Elek and L. N. Katz.....	335
XLII. Studies on Veratrum Alkaloids. I. The Action of Veratrine upon the Isolated Mammalian Heart. Otto Krayer and Rafael Mendez.....	350

CONTENTS

v

XLIII. Action of Phenylcinchoninic Acid in Preventing Experimentally Produced Convulsions in Rabbits. L. J. Pollock, I. Finkelman and E. L. Tigay.....	365
XLIV. Determination of Ethyl Alcohol with the Photoelectric Colorimeter. Henry Newman and Mason Abramson.....	369
XLV. Pharmacology and Chemistry of Substances with Cardiac Activity. I. Effect of Unsaturated Lactones on the Isolated Frog Heart. O. Krayer, R. Mendez, E. Moisset de Espanés and R. P. Linstead.....	372
XLVI. The Action of Simple Lactones Related to Cardiac Aglycones. K. K. Chen, Frank A. Steldt, Josef Fried and Robert C. Elderfield.....	381
XLVII. The Activity of Derivatives of Curare as Prepared in Liquid Ammonia. Richard G. Roberts, Roy A. Hecht and A. Wm. Jackman.....	392
XLVIII. A Mixed Color Dithizone Method for the Determination of Bismuth in Biological Material. E. F. Kluchesky, B. J. Longley and F. L. Kozelka.....	395
XLIX. Pharmacological and Toxicological Studies on Cetylpyridinium Chloride, a New Germicide. M. R. Warren, T. J. Becker, D. G. Marsh and R. S. Shelton.....	401
L. Index.....	409