

CONTENTS

NUMBER 1, MAY, 1941

I. The Scientific Proceedings of the American Society for Pharmacology and Experimental Therapeutics, Incorporated.....	1
II. A Comparison of Ephedrine and Eserine. J. D. P. Graham and M. R. Gurd.....	48
III. Action of Adrenaline and Potential Changes in the Cat Uterus. G. Balassa and M. R. Gurd.....	63
IV. A Method for Determining Loss of Pain Sensation. Fred E. D'Amour and Donn L. Smith.....	74
V. On the Action of Prostigmine on the Circulatory System. Rafael Mendez and Abe Ravin.....	80
VI. The Action of Pitocin and Adrenalin on Different Segments of the Rabbit Uterus. D. D. Bonnycastle and J. K. W. Ferguson.....	90
VII. Comparative Effects of Sulfonamide Compounds as to Anemia and Cyanosis. Arthur P. Richardson.....	99
VIII. The Relationship Between the In Vitro and the In Vivo Activity of Sulfonamide Compounds. H. J. White, A. Calvin Bratton, J. T. Litchfield, Jr. and E. K. Marshall, Jr.....	112

NUMBER 2, JUNE, 1941

IX. A Study of the Effects of Morphine and of Carbon Tetrachloride on the Rate of Disappearance of Ethyl Isoamyl Barbituric Acid. H. J. Tatum, D. E. Nelson and F. L. Kozelka.....	123
X. Effects of Certain Drugs on Temperature Regulation, and Changes in their Toxicity, in Rats Exposed to Cold. Julian B. Herrmann.....	130
XI. Excretion of Combined Morphine in the Tolerant and Non-Tolerant Dog. Vincent Thompson and E. G. Gross.....	138
XII. The Toxicity and Local Anesthetic Activity of Three New Biphenyl Derivatives. Edwin J. Fellows.....	146
XIII. The Effect of Atropine, Pilocarpine, Prostigmine, Eserine, Mecholyl and Ephedrine on the Tonus and Contraction Mechanisms of the Urinary Bladder, with Observations on the Clinical Application of these Drugs. Harry A. Teitelbaum and Orthello R. Langworthy.....	152
XIV. The Influence of Gold Sodium Thiomalate (Myocrysin) on the Prevention of Hemolytic Streptococcus Arthritis in Rats. Sidney Rothbard, D. Murray Angevine and Russell L. Cecil.....	164
XV. The Effect of Barbituric and Thiobarbituric Acid Derivatives on the Pyloric Sphincter and Stomach in Unanesthetized Dogs. Charles M. Gruber and Charles M. Gruber, Jr.....	176
XVI. The Toxicity of Optically Inactive, <i>d</i> - and <i>l</i> -Selenium-Cystine. A. L. Moxon, K. P. Du Bois and R. L. Potter.....	184
XVII. The Toxicity of Orally-Ingested Tungsten Compounds in the Rat. F. W. Kinard and John Van De Erve.....	196
XVIII. Studies on Fat Metabolism and Susceptibility to Carbon Tetrachloride. J. C. Forbes, B. E. Leach and E. L. Outhouse.....	202

- XIX. The Quantitative Effect of Fifteen Chemically Related Glycosides and Genins on the Embryonic Chick Heart. Arthur C. DeGraff, George H. Paff and Robert A. Lehman..... 211

NUMBER 3, JULY, 1941

- XX. Toxicity and Actions of Trimethylene Glycol. W. Van Winkle, Jr. . . . 227
- XXI. Anesthesia. IV. The Anesthetic Action of Cyclopropyl Ethyl Ether. John C. Krantz, Jr., C. Jelleff Carr, Sylvan E. Forman, William E. Evans, Jr., and Henry Wollenweber..... 233
- XXII. Further Studies on the Fate of Selenium in the Organism. Benton B. Westfall and M. I. Smith..... 245
- XXIII. The Absorption and Elimination of Phenolphthalein in Normal and Pathologic States: With Particular Reference to Liver and Kidney Diseases. Bernard Fantus, Frederick Steigmann and J. M. Dyniewicz..... 252
- XXIV. Comparative Physiological Actions of Phenyl-, Thienyl- and Furyliso-propylamines. Gordon A. Alles and George A. Feigen..... 265
- XXV. A Method for the Determination of 5,5 Diphenylhydantoin in Biological Material. F. L. Kozelka and C. H. Hine..... 276
- XXVI. Distribution and Rate of Metabolism of 5,5 Diphenylhydantoin. C. H. Hine and F. L. Kozelka..... 280
- XXVII. Distribution, Excretion, and Rate and Site of Detoxification of Metrazol. H. J. Tatum and F. L. Kozelka..... 284
- XXVIII. The Mode of Action of Neoprontosil in Streptococcus Infections in Mice. J. T. Litchfield, Jr., H. J. White and E. K. Marshall, Jr. . . . 291
- XXIX. The Effect of Sulfanilamide and Some of its Derivatives on the Reaction of Mice to Anesthetics. Thomas C. Butler, H. L. Dickison, Wm. M. Govier, C. M. Greer and Paul D. Lamson..... 298
- XXX. Further Observations on the Action of Drugs on the Caliber of Coronary Vessels. Papaverine Hydrochloride, Digitalis Derivatives, Aminophyllin, Caffein, Glucose, Calcium Gluconate and Metrazol. E. Lindner and L. N. Katz..... 306
- XXXI. The Response of Sulfapyridine-Resistant Pneumococci to Hydroxyethylapocupreine. L. H. Schmidt and Clara L. Sesler..... 311
- XXXII. Studies on Shock Induced by Hemorrhage. I. Effect of Thiamin on Survival Time. Wm. M. Govier and C. M. Greer..... 317
- XXXIII. Studies on Shock Induced by Hemorrhage. II. Effect of Thiamin on Disturbances of Carbohydrate Metabolism. Wm. M. Govier and C. M. Greer..... 321
- XXXIV. Histone Zinc Insulin—Its Pharmacologic Characteristics and Its Application in the Treatment of Diabetes Mellitus. Charles A. Barnes, Tracy D. Cuttle, and Garfield G. Duncan..... 331
- XXXV. Quantitative Gastrointestinal Absorption and Renal Excretion of Propylene Glycol. W. Van Winkle, Jr..... 344
- XXXVI. The Production in Cultures Containing Sodium Paranitrobenzoate of a Substance That Affects the Action of Sulfathiazole. John K. Miller..... 354
- XXXVII. The Effect of Posterior Pituitary Preparations on the Large Intestine of the Unanesthetized Dog. Edward Larson..... 363
- XXXVIII. Influence of Cocaine on the Uterine Reactions Induced by Adrenalin and Hypogastric Nerve Stimulation. John S. Labate..... 370

CONTENTS

v

XXXIX. The Effects of Sodium Diphenyl Hydantoinate (Dilantin) on the Blood Ascorbic Acid Level in Guinea Pigs. Miles E. Drake, Charles M. Gruber, Victor G. Haury and E. Ross Hart 383

XL. Antagonistic Effect of Asphyxia to Curare Paralysis of the Vagus Nerve. Hans Mautner and Aldo Luisada..... 386

XLI. The Effect of Digoxin on the Cold Blooded Heart and Its Bearing on the Mechanism of Digitalis Action. A. M. Wedd, H. A. Blair and G. K. Dwyer..... 394

XLII. The Effects of Sedative Drugs on the Pial Vessels. Theodore P. Sohler, Gladys N. Lothrop and Joan Wilkinson..... 409

XLIII. Index..... 417