

CONTENTS

NUMBER 1, SEPTEMBER, 1944

I. On the Control of pH during Experiments on the Mode of Action of Sulfonamides. Jerome S. Harris and Henry I. Kohn.....	1
II. The Relative Rates of Absorption of Quinine and Some Other Cinchona Salts from Isolated Intestinal Loops of Dogs. W. E. Cornatzer and James C. Andrews.....	3
III. The In Vitro Bacteriostatic Action of Some Simple Furan Derivatives. M. C. Dodd and W. B. Stillman. With the technical assistance of Martha Roys and Catherine Crosby.....	11
IV. A Simple Method for the Routine Search for Antibiotic Substances Produced by Molds. N. W. Pinschmidt and Barnet Levy.....	19
V. The Antispasmodic Activity of Some 4-Morpholinealkyl Esters. II. Responses of Intestinal Musculature in Unanesthetized Trained Dogs. Robert O. Bauer and Frederick F. Yonkman.....	23
VI. The Absorption of 4:4'-Diamidino Stilbene (Stilbamidine) by Trypanosomes and Its Blood Concentration in Animals. Frank Hawking.....	31
VII. Some Circulatory Effects of Prinine Hydrochloride. George A. Emerson..	42
VIII. The Influence of "Heart Stimulants" on the Contraction of Isolated Mammalian Cardiac Muscle. Stephen Krop.....	48
IX. The Interaction between Procaine, Cocaine, Adrenaline and Prostigmine on Skeletal Muscle. N. T. Jaco and D. R. Wood.....	63
X. The Antidiuretic Action of Morphine, and Its Mechanism. R. C. de Bodo..	74
XI. The Effect of Ascorbic Acid on the Acute Toxicity of Sulfanilamide for Guinea Pigs. Leonard Karel and C. W. Chapman.....	86
XII. Comparison of the Action of 1-Ethyl Theobromine and Caffeine in Animals and Man. Charles C. Scott and K. K. Chen.....	89
XIII. Comparison of Esters of Strophanthidin in Cats. Frank A. Steldt, Robert C. Anderson and K. K. Chen.....	98

NUMBER 2, OCTOBER, 1944

XIV. The Rôle of Blood Dilution in the Aspirin Antipyresis. Francisco Guerra..	103
XV. Observations on the Analgesic Effect of Morphine during Continued Daily Administration of Small and Uniform Doses to Dogs. F. R. Goetzl, D. Y. Burrill and A. C. Ivy.....	110
XVI. Observations Bearing on the Mechanism of the Elimination of Quinine and Atabrine from the Circulation and Tissues. Graham Chen and E. M. K. Geiling.....	120
XVII. Observations on the Effect of Hyperventilation on the Reflex Respiratory Stimulating Action of Nicotine and Cyanide. P. S. Larson, Edwin L. Smith, J. K. Finnegan and H. B. Haag.....	133
XVIII. The Spontaneous Development of Arsenic-Resistance in Trypanosoma Equiperdum, and Its Mechanism. Harry Eagle and Harold J. Magnuson	137
XIX. Acute and Subacute Toxicity of DDT (2,2-bis(p-Chlorophenyl)-1,1,1-Trichloroethane) to Laboratory Animals. Geoffrey Woodward, Arthur A. Nelson and Herbert O. Calvery.....	152
XX. The Percutaneous Absorption of DDT (2,2-Bis(p-Chlorophenyl) 1,1,1-Trichloroethane) in Laboratory Animals. John H. Draize, Arthur A. Nelson and Herbert O. Calvery.....	159
XXI. Studies on Veratrum Alkaloids. VI. Protoveratrine: Its Comparative Toxicity and Its Circulatory Action. Otto Kraye, Gordon K. Moe and Rafael Mendez.....	167

- XXII. Clinical Studies on Digitoxin (Digitaline Native). With Further Observations on Its Use in the Single Average Full Dose Method of Digitalization. Harry Gold, McKeen Cattell, Walter Modell, Nathaniel T. Kwit, Milton L. Kramer and William Zahm..... 187
- XXIII. Isopropyl Alcohol: Rate of Disappearance from the Blood Stream of Dogs after Intravenous and Oral Administration. Arnold J. Lehman, Henry Schwerma and Eleanor Rickards..... 196

NUMBER 3, NOVEMBER, 1944

- XXIV. The Value of the Guinea-Pig Corneal Reflex for Tests of Surface Anaesthesia. M. R. A. Chance and H. Lobstein..... 203
- XXV. The Evaluation of the Assay of Vitamin P by Means of the Effect of Low Pressure on Mice. Andre C. Kibrick and Arthur E. Goldfarb..... 211
- XXVI. The Effect of the Administration of Sodium Bromide to Pregnant Rats on the Learning Ability of the Offspring. Ben King Harned, Hughbert C. Hamilton and Versa V. Cole..... 215
- XXVII. A Quantitative Study of the Effects of Ouabain upon the Electrocardiogram. Leonard Apter, M.D., Richard Ashman, Ph.D., and Edgar Hull, M.D.... 227
- XXVIII. The Renal Elimination of Sulfamerazine, Sulfamethazine, Sulfadiazine and Sulfathiazole by the Dog. Karl H. Beyer, Lawrence Peters, Elizabeth A. Patch and Horace F. Russo..... 239
- XXIX. The Neutralization of Gastric Acidity with Basic Aluminum Aminoacetate. John C. Krantz, Jr., Dorothy V. Kibler and Frederick K. Bell..... 247
- XXX. Protection Against Lethal Doses of Pentavalent Arsenical and Antimonial Compounds in Rats by *p*-Aminobenzoic Acid, a Histological Study. Paul N. Harris, M.D..... 254
- XXXI. The Effect of Acid and Alkali on the Absorption and Metabolism of Quinine. James C. Andrews and W. E. Cornatzer..... 261
- XXXII. Studies on Synthetic Curare-like Compounds. Harold F. Chase, Arnold J. Lehman and Eleanor E. Rickards..... 266
- XXXIII. Pharmacologic Studies of a New Vasoconstrictor: 2-Naphthyl-(1')-Methylimidazoline Hydrochloride (Privine or Naphthazoline). Bradford N. Craver, Ph.D., Harold F. Chase, M.D., and Frederick F. Yonkman, M.D. 275
- XXXIV. Anesthesia. William E. Evans, Jr., C. Jelleff Carr, Virginia M. Waters and John C. Krantz, Jr..... 288
- XXXV. On a New Aerobic Metabolite Whose Production by Brain is Inhibited by Apomorphine, Emetine, Ergotamine, Epinephrine, and Menadione. Henry Irving Kohn and Margaret Liversedge..... 292
- XXXVI. Dinitrophenol Cataract in the Chick: Effect of Age. Benjamin H. Robbins 301
- XXXVII. Influence of Temperature, Liver and Kidney on the Toxicity of Caffeine in *Bufo arenarum* Hensel. B. Günther and J. B. Odoriz..... 303
- XXXVIII. The Enhancement of the Physiological Economy of Penicillin in Dogs by the Simultaneous Administration of Para-Aminohippuric Acid II. Karl H. Beyer, Lawrence Peters, Roland Woodward and W. F. Verwey..... 310
- XXXIX. N₁-Dimethylacetyl Sulphanilamide (Irgamid). S. T. Callender, M.B., Ch.B. and J. F. Powell, B.Sc..... 324
- XL. Epinephrine Tolerance of the Heart Altered by Thyroxine and Thiouracil (Chemical Assay of Epinephrine in the Rat Heart). W. Raab, M.D..... 330
- XLI. The Pharmacology of N-Allylnormorphine as Compared with Morphine. E. Ross Hart and Elton L. McCawley..... 339
- XLII. Studies on Antimalarial Drugs. The Effect of Malaria (*Plasmodium Gallinaceum*) and of Anemia on the Distribution of Quinine in the Tissues of the Fowl. Frances K. Oldham, F. E. Kelsey, William Cantrell and E. M. K. Geiling..... 349

XLIII. Pharmacological Studies on Sulfaquinoxaline. Albert O. Seeler, Charles W. Mushett, Otto Graessle and Robert H. Silber.....	357
XLIV. The Chronic Toxicity of Ergot. O. Garth Fitzhugh, Arthur A. Nelson and Herbert O. Calvery	364
XLV. Methods for the Study of Irritation and Toxicity of Substances Applied Topically to the Skin and Mucous Membranes. John H. Draize, Geoffrey Woodward and Herbert O. Calvery	377
XLVI. Metabolism, Toxicity, and Manner of Action of Gold Compounds Used in the Treatment of Arthritis. V. A Comparative Study of the Rate of Absorption, the Retention, and the Rate of Excretion of Gold Administered in Different Compounds. Walter D. Block, O. H. Buchanan and R. H. Freyberg.....	391
XLVII. Index.....	399