

CONTENTS

NUMBER 1, SEPTEMBER, 1939

I. Action of Sympathomimetic Amines in Cyclopropane, Ether and Chloroform Anesthesia. O. S. Orth, M. D. Leigh, C. H. Melish and J. W. Stutzman.....	1
II. The Pharmacology of Trimethyl Bismuth. Torald Sollmann and Joseph Seifter.....	17
III. The Effects of Digitalin C in Varying Dosage upon the Potassium and Water Content of Rabbit Heart Muscle. Paul S. Hagen..	50
IV. The Analgesic Potency of Sympathomimetic Amines. M. L. Tainter, L. J. Whitsell and J. M. Dille.....	56
V. A Method for the Determination of Barbituric Acid Derivatives in Tissues and Body Fluids. F. L. Kozelka, D. E. Nelson and H. J. Tatum.....	71
VI. The Action of Sulfapyridine (2-Sulfanilyl Aminopyridine). H. M. Powell and K. K. Chen.....	79
VII. Toxicity, Fats and Excretion of Propylene Glycol and Some Other Glycols. P. J. Hanzlik, H. W. Newman, W. Van Winkle, Jr., A. J. Lehman and N. K. Kennedy.....	101
VIII. General Metabolic and Glycogenic Actions of Propylene Glycol and Some Other Glycols. P. J. Hanzlik, A. J. Lehman, W. Van Winkle, Jr., and N. K. Kennedy.....	114

NUMBER 2, OCTOBER, 1939

IX. Studies of Morphine, Codeine and their Derivatives. XV. 2,4-Dinitrophenylmorphine. Nathan B. Eddy and Margaret Sumwalt.....	127
X. Nicotinic Acid and the Vitamin B Complex in Insulin Tolerance. J. C. Burke and A. R. McIntyre.....	142
XI. On the Mechanism of the Depression of Serum Potassium by Anesthetics. P. S. Larson and George Brewer.....	147
XII. A Quantitative Comparison of Different Analgesics. M. Chakravarti.....	153
XIII. Fate of the Injected Oxytocic Principle of Posterior Pituitary in Anesthetized Cats and Dogs. Edward Larson.....	175
XIV. Alkyl Nitrites. III. A Pharmacologic Study of a New Series of Organic Nitrates. John C. Krantz, Jr., C. Jelleff Carr, Sylvan Forman and Fred W. Ellis.....	187
XV. Alkyl Nitrites. IV. The Pharmacology of Isomannide Dinitrate. John C. Krantz, Jr., C. Jelleff Carr, Sylvan E. Forman and Fred W. Ellis.....	191

XVI. The Influence of Disulfanilamide on Experimental Influenza Infections. D. R. Climenko, M. L. Crossley and E. H. Northey.....	201
XVII. The Effects of Sulfanilamide on the Lower Vertebrates. J. T. Litchfield, Jr.....	212
XVIII. Physiological Adaptations in Cardiac Slowing by Digitalis and Their Bearing on Problems of Digitalization in Patients with Auricular Fibrillation. Harry Gold, Nathaniel T. Kwit, Harold Otto and Theodore Fox.....	224
XIX. Studies of Certain Addiction Characteristics of (a) Dihydromorphine ("Paramorphan"), (b) Dihydrodesoxymorphine-D ("Desomorphine"), (c) Dihydrodesoxycodaine-D ("Desocodeine"), and (d) Methyldihydromorphinone ("Metopon"). C. K. Himmelsbach.....	239
XX. The Effect of Fluidextract of Ergot and of Ergotamine on the Emptying Time of the Human Stomach. Edward J. Van Liere and Clark K. Sleeth.....	250

NUMBER 3, NOVEMBER, 1939

XXI. The Comparative Activity of Desoxycorticosterone and Other Crystalline Derivatives and of Purified Extracts of the Adrenal Cortex. Arthur Grollman.....	257
XXII. The Pharmacological Action of Deuterium Oxide. VIII. Action on the Central Nervous System. Julian B. Herrmann.....	265
XXIII. The Depressant Action of Picrotoxin and Metrazol. James M. Dille and Lloyd W. Hazleton.....	276
XXIV. Blood Concentration in Morphine Addicts. Edwin G. Williams.	290
XXV. The Effect of Liver Damage on the Blood Level and Action of Paraldehyde. Harry Levine, A. J. Gilbert and M. Bodansky..	299
XXVI. The Effect of Analeptic Drugs on Hibernation in the Thirteen-lined Ground Squirrel. Carl Pfeiffer, Mark A. Foster and David Slight.....	307
XXVII. The Effect of Sedatives, Narcotics and Anesthetics on Changes in the Body Water of Frogs Produced by Pituitrin. Eldon M. Boyd, K. J. Clark and Austin E. Smith.....	313
XXVIII. Electrical Studies on the Pharmacology of Autonomic Synapses. III. The Action of Ephedrine Analyzed by a Study of Its Sympathetic Central and Ganglionic Effects. Amedeo S. Marrazzi.	321
XXIX. On the Hypoglycemic Activity of Globin Insulin. L. Reiner, D. S. Searle and E. H. Lang.....	330
XXX. Calcium Ions Necessary to Synaptic Transmission in Parasympathetic, not in Sympathetic, Ganglia. George D. Shafer.....	341
XXXI. Distribution and Rate of Elimination of Picrotoxin. Dorotha M. Duff and James M. Dille.....	353
XXXII. The Retention and Excretion of Selenium after the Administration of Sodium Selenite to White Rats. Ross A. Gortner, Jr., and Howard B. Lewis.....	358
XXXIII. Oscar Henry Plant, 1875-1939.....	365

CONTENTS

V

NUMBER 4, DECEMBER, 1939

XXXIV. John Jacob Abel, 1857-1938.....	373
XXXV. The Integration of the Vasomotor Responses in the Liver with Those in Other Systemic Vessels. L. N. Katz and S. Rodbard.	407
XXXVI. The Effect of Vitamin B ₁ on Morphine Abstinence Symptoms. O. Garth Fitzhugh.....	423
XXXVII. The Production of Anemia in White Mice by Sulfanilamide, Sulfapyridine and Diaminodiphenylsulfone. Arthur P. Rich- ardson.....	429
XXXVIII. The Experimental Basis for a Method for the Quantitative Evaluation of the Effectiveness of Chemotherapeutic Agents against Streptococcus Infection in Mice. J. T. Litchfield, Jr., H. J. White and E. K. Marshall, Jr.....	437
XXXIX. Some Aspects of the Pharmacology of Sulfapyridine. E. K. Marshall, Jr. and J. T. Litchfield, Jr.....	454
XL. Detoxication by Finely Dispersed Oil-in-water Emulsions and Their Intravenous Use. A. C. Frazer and V. G. Walsh.....	476
XLI. Index	487

The Library of
the Psychiatric Institute
and Hospital