CONTENTS

Number 1, May, 1943

, ,	
 I. Effect on the Electrical Activity of the Cortex of Certain Depressant and Stimulant Drugs—Barbiturates, Morphine, Caffeine, Benzedrine and Adrenalin. Frederic A. Gibbs and George L. Maltby	1
Seevers	11
trocardiogram in Normal Man after the Intravenous Administration of Purified Cardiac Glycosides. Ludwig W. Eichna, Harry Taube and Ar-	
thur C. deGraff	22
Henry K. Beecher and Jane D. McCarrell	39
V. Sodium Succinate as an Antidote for Barbiturate Poisoning and in the Control of the Duration of Barbiturate Anesthesia. Samuel Soskin and	
Matthew TaubenhausVI. The Chronic Toxicity of the Sulfonamides for the Growing Rat as Influenced	49
by the Type of Diet, the Addition of Feces to the Diet, and Appetite. Jerome S. Harris and Henry I. Kohn	56
VII. Studies on Ointments. I. Penetration of Various Ointment Bases. Ernest	
A. Strakosch	65
Jr., and Bert J. Vos, Jr	72
IX. The Chemical Nature of Compounds which Inhibit the Function of the	=0
Thyroid Gland. E. B. Astwood	79
Anthony M. Ambrose, Floyd De Eds and Alvin J. Cox, Jr	90
XI. A Method for Studying the Analgetic Effect of Drugs in Animals. G. C. Knowlton and E. G. Gross	93
XII. Antipressor Effects of Orthoquinoid Epinephrine Derivatives in Experimental Hypertension in the Rat. Kurt A. Oster and Harry Sobotka	100
Number 2, June, 1943	-00
XIII. Studies on the Detoxication of Organic Arsenical Compounds, I. Detoxi-	
cation by Means of p-Aminobenzoic Acid of Certain Pentavalent Arsenical Drugs Given in Massive Doses to Rats. J. H. Sandground and	
Charles R. Hamilton	109
XIV. Anesthesia. VIII. The Anesthetic Action of Isopropenyl Methyl Ether. John C. Krantz, Jr., C. Jelleff Carr, William E. Evans, Jr., and Sylvan E.	
FormanXV. Studies on Antimalarials. The Accumulation and Excretion of Atabrine.	
Earl H. Dearborn, F. E. Kelsey, Frances K. Oldham and E. M. K. Geiling. XVI. Hematic and Organic Reactions in Standardized and Graded Histamine	120
Shock in Dogs. W. C. Hueper and C. T. Ichniowski	127
XVII. The Ineffectiveness of Adrenal Cortex Extracts in Standardized Hemor-	
rhagic Shock. K. A. Huizenga, B. L. Brofman and C. J. Wiggers XVIII. The Estimation of Quinine in Human Plasma with a note on the Estimation	139
of Quinidine. Bernard B. Brodie and Sidney Udenfriend	154
XIX. The Comparative Activity of Quinine, Quinidine, Cinchonie, Ci	
dine and Quinoidine against <i>Plasmodium lophurae</i> Infections of Pekin Ducklings. A. O. Seeler, E. Dusenbery and C. Malanga	159

iv CONTENTS

XX. Flavicin: an Antibacterial Substance Produced by an Aspergillus flavus. Milton T. Bush and Andres Goth	. 164
XXI. A Possible Method for the Determination of Prolonged Action of the Bar- biturates. Versa V. Cole	
XXII. Further Studies on the Separation from Kidney Tissue of a Substance Capable of Reducing the Blood Pressure in Experimentally Induced Hypertension. Arthur Grollman and T. R. Harrison.	
XXIII. The Potency of a New Extract of Convallaria majalis Leaves. III. Assays by the Papillary Muscle Procedure and the U.S.P. XII Cat Method. James R. Weeks and Harald G. O. Holck	3
XXIV. The Overt and Masked Manifestations of Folliculoid Hormones. Eleanor Clark and Hans Selye	•
XXV. Dosage Relationships in Augmentation of Pituitary Gonadotropic Extract by Blood and Hemin. W. H. McShan, L. E. Casida and R. K. Meyer	
XXVI. Studies on the Detoxication of Organic Arsenical Compounds. II. Correlation of the Quantity of p-Aminobenzoic Acid Required to Protect Rats against High Doses of Carbarsone and Arsanilic Acid. J. H. Sandground	
and Charles R. Hamilton	
Time-Factor Influencing p-Aminobenzoate Protection of Rats Receiving Lethal Doses of Phenyl Arsonates. J. H. Sandground	
Number 3, July, 1943	
XXVIII. The Effect of Sodium Diphenyl Hydantoinate (Dilantin Sodium) on the Utilization of Ascorbic Acid by Guinea Pigs. A. D. Emmett, Eva R. Hartzler and R. A. Brown	
XXIX. Studies on the Chemistry and Pharmacology of the Melanophore Hormone of the Pituitary Gland. Graham Chen and Eugene M. K. Geiling	
XXX. Studies on Veratrum Alkaloids. III. Qualitative and Quantitative Differences in the Action of Cevine and Veratridine. Rafael Mendez and Gonzalo Montes.	
XXXI. Chronic Selenium Poisoning in Dogs and Its Prevention by Arsenic.	
Morris Rhian and Alvin L. Moxon	
Compound. Larry M. Wheeler	
and Henry K. Beecher	
Hueper and C. T. IchniowskiXXXV. Narcosis Induced by Carbon Dioxide at Low Environmental Temperatures.	
J. H. Barbour and M. H. Seevers	
XXXVII. Studies on Antimalarial Drugs. The Distribution of Quinine in the Tissues of the Fowl. F. E. Kelsey, Frances K. Oldham and E. N. K. Geiling	
Number 4, August, 1943	
XXXVIII. Blood Pressure and Respiratory Changes Produced by Strychnine Convulsions. B. E. Abreu and R. A. Woodbury	
XXXIX. Effect of Cocaine on the Inactivation of Epinephrine and Sympathin.	
Clara Torda	
Phenol. Clara Torda	336

CONTENTS v

XLI. The Comparative Toxicity of Chloral Alcoholate and Chloral Hydrate. W. Lloyd Adams	24N
XLII. The Absorption of Quinine Sulfate and Quinine Dihydrochloride from Iso-	40
lated Intestinal Loops of Dogs. James C. Andrews and Carl E. XLIII. Anderson	46
The Absorption Rates of Insulin, Globin Insulin and Protamine Zinc Insulin Labelled with Radioactive Iodine. L. Reiner, E. H. Lang, John	
XLIV. W. Irvine, Jr., Wendell Peacock and Robley D. Evans	52
The Effects of Anesthetic Agents on Muscular Contraction. E. G. Gross and Stuart C. Cullen	5 8
XLV. The Fate of Sulfonamides and p-Aminobenzoic Acid in Cold-blooded Animals. Robert B. Failey, Jr., Robert C. Anderson, Francis G. Henderson	
	66
The Action of Riddelline. Paul N. Harris, Robert C. Anderson and K. K. Chen	72
XLVII. The Inactivation of Cholinesterase by Morphine, Dilaudid, Codeine and Desomorphine. C. I. Wright and Jean C. Sabine	75
XLVIII. The Reduction of 2,4,6-Trinitrotoluene by Animal Tissue in vitro. Benton B. Westfall	
XLIX. The Conjugation in vitro of Phenol by Guinea Pig Liver. Frederick Bernheim and Mary L. C. Bernheim	
L. Effect of Anesthesia on Lymph Flow (Local Procaine, Ether, Pentobarbital Sodium). Hugo Polderman, Jane D. McCarrell and Henry K. Beecher. 4	
LI. Index	