

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
II. A Comparison of the Acute and Chronic Toxicity of Carbon Dioxide with Especial Reference to Its Narcotic Action. J. H. Barbour and M. H. Seevers.....	11
III. Serial Determination of Cardiac Output (Ballistocardiogram) and Electrocardiogram in Normal Man after the Intravenous Administration of Purified Cardiac Glycosides. Ludwig W. Eichna, Harry Taube and Arthur C. deGraff.....	22
IV. Reduction of Fluid Loss from Damaged (Burned) Tissues by a Barbiturate. 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 Taubenhau.....	49
VI. The Chronic Toxicity of the Sulfonamides for the Growing Rat as Influenced 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
VIII. The Biological Assay of Posterior Pituitary Solution. R. Blackwell Smith, Jr., and Bert J. Vos, Jr.....	72
IX. The Chemical Nature of Compounds which Inhibit the Function of the Thyroid Gland. E. B. Astwood.....	79
X. The Effect of High Fat Diet on Chronic Toxicity of Derris and Rotenone. 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

XIII. Studies on the Detoxication of Organic Arsenical Compounds. I. Detoxication by Means of <i>p</i> -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. Forman.....	115
XV. Studies on Antimalarials. The Accumulation and Excretion of Atabrine. Earl H. Dearborn, F. E. Kelsey, Frances K. Oldham and E. M. K. Geiling.....	120
XVI. Hematic and Organic Reactions in Standardized and Graded Histamine Shock in Dogs. W. C. Hueper and C. T. Ichniowski.....	127
XVII. The Ineffectiveness of Adrenal Cortex Extracts in Standardized Hemorrhagic Shock. K. A. Huizenga, B. L. Brofman and C. J. Wiggers.....	139
XVIII. The Estimation of Quinine in Human Plasma with a note on the Estimation of Quinidine. Bernard B. Brodie and Sidney Udenfriend.....	154
XIX. The Comparative Activity of Quinine, Quinidine, Cinchonine, Cinchonidine and Quinoidine against <i>Plasmodium lophurae</i> Infections of Pekin Ducklings. A. O. Seeler, E. Dusenbery and C. Malanga.....	159

XX.	Flavicin: an Antibacterial Substance Produced by an <i>Aspergillus flavus</i> . Milton T. Bush and Andres Goth.....	164
XXI.	A Possible Method for the Determination of Prolonged Action of the Barbiturates. Versa V. Cole.....	170
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.....	174
XXIII.	The Potency of a New Extract of <i>Convallaria majalis</i> Leaves. III. Assays by the Papillary Muscle Procedure and the U.S.P. XII Cat Method. James R. Weeks and Harald G. O. Holck.....	180
XXIV.	The Overt and Masked Manifestations of Folliculoid Hormones. Eleanor Clark and Hans Selye.....	187
XXV.	Dosage Relationships in Augmentation of Pituitary Gonadotropic Extract by Blood and Hemin. W. H. McShan, L. E. Casida and R. K. Meyer.....	197
XXVI.	Studies on the Detoxication of Organic Arsenical Compounds. II. Correlation of the Quantity of <i>p</i> -Aminobenzoic Acid Required to Protect Rats against High Doses of Carbarsone and Arsanilic Acid. J. H. Sandground and Charles R. Hamilton.....	203
XXVII.	Studies on the Detoxication of Organic Arsenical Compounds. III. The Time-Factor Influencing <i>p</i> -Aminobenzoate Protection of Rats Receiving Lethal Doses of Phenyl Arsonates. J. H. Sandground.....	209

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.....	215
XXIX.	Studies on the Chemistry and Pharmacology of the Melanophore Hormone of the Pituitary Gland. Graham Chen and Eugene M. K. Geiling.....	222
XXX.	Studies on Veratrum Alkaloids. III. Qualitative and Quantitative Differences in the Action of Cevine and Veratridine. Rafael Mendez and Gonzalo Montes.....	238
XXXI.	Chronic Selenium Poisoning in Dogs and Its Prevention by Arsenic. Morris Rhian and Alvin L. Moxon.....	249
XXXII.	Dihydroxypropyl Bismuthate: Experimental Studies of a New Bismuth Compound. Larry M. Wheeler.....	265
XXXIII.	The Effect of Cholesterol Administration on Anesthesia. Francis F. Foldes and Henry K. Beecher.....	276
XXXIV.	The Treatment of Standardized and Graded Histamine Shock in Dogs with Solutions of Methyl Cellulose and <i>S</i> -Methyl Isothiourea Sulfate. W. C. Hueper and C. T. Ichniowski.....	282
XXXV.	Narcosis Induced by Carbon Dioxide at Low Environmental Temperatures. J. H. Barbour and M. H. SeEVERS.....	296
XXXVI.	The Stimulating Action of Colchicine on Pituitary-Induced Ovulation of the Frog. M. K. McPhail and K. M. Wilbur.....	304
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.....	314

NUMBER 4, AUGUST, 1943

XXXVIII.	Blood Pressure and Respiratory Changes Produced by Strychnine Convulsions. B. E. Abreu and R. A. Woodbury.....	321
XXXIX.	Effect of Cocaine on the Inactivation of Epinephrine and Sympathin. Clara Torda.....	331
XL.	The Influence of Low Concentrations of Cocaine on the Metabolism of Phenol. Clara Torda.....	336

XLII.	The Comparative Toxicity of Chloral Alcoholate and Chloral Hydrate. W. Lloyd Adams.....	340
XLIII.	The Absorption of Quinine Sulfate and Quinine Dihydrochloride from Isolated Intestinal Loops of Dogs. James C. Andrews and Carl E. Anderson.....	346
XLIV.	The Absorption Rates of Insulin, Globin Insulin and Protamine Zinc Insulin Labelled with Radioactive Iodine. L. Reiner, E. H. Lang, John W. Irvine, Jr., Wendell Peacock and Robley D. Evans.....	352
	The Effects of Anesthetic Agents on Muscular Contraction. E. G. Gross and Stuart C. Cullen.....	358
XLV.	The Fate of Sulfonamides and <i>p</i> -Aminobenzoic Acid in Cold-blooded Animals. Robert B. Failey, Jr., Robert C. Anderson, Francis G. Henderson and K. K. Chen.....	366
XLVI.	The Action of Riddelline. Paul N. Harris, Robert C. Anderson and K. K. Chen.....	372
XLVII.	The Inactivation of Cholinesterase by Morphine, Dilaudid, Codeine and Desomorphine. C. I. Wright and Jean C. Sabine.....	375
XLVIII.	The Reduction of 2,4,6-Trinitrotoluene by Animal Tissue <i>in vitro</i> . Benton B. Westfall.....	386
XLIX.	The Conjugation <i>in vitro</i> of Phenol by Guinea Pig Liver. Frederick Bernheim and Mary L. C. Bernheim.....	394
L.	Effect of Anesthesia on Lymph Flow (Local Procaine, Ether, Pentobarbital Sodium). Hugo Polderman, Jane D. McCarrell and Henry K. Beecher.	400
LI.	Index.....	407