

## CONTENTS

### NUMBER 1, AUGUST, 1910

I. The Action of Drugs on the Salivary Secretion. By V. E. Henderson . . .	1
II. Thyreotropic Iodine Compounds. By Reid Hunt and Atherton Seidell	15
III. On Insufflation of the Lungs with Hydrogen; with Carbon Dioxide; and with Air. By C. C. Guthrie, F. V. Guthrie and A. H. Ryan . . . . .	49
IV. The Influence of Intravenous Injections of Sparteine and Adrenalin on the Heart of the Dog. By A. Strickler and Moyer S. Fleisher . . . . .	55
V. In Regard to the Detoxification of Benzoic Acid by Optical Isomers of Leucin. By A. H. Koelker and Samuel Amberg . . . . .	59
VI. On the Toxicology of the Tutu Plant. By William W. Ford . . . . .	73

### NUMBER 2, OCTOBER, 1910

VII. On the Action of Magnesium Sulphate. By S. A. Matthews and Clyde Brooks . . . . .	87
VIII. On the Efficacy of Antimony-Thioglycollic Acid Compounds in the Treatment of Experimental Trypanosomiasis. By L. G. Rowntree and John J. Abel . . . . .	101
IX. Further Observations on the Immunisation of animals to the Poisons in Fungi. By William W. Ford . . . . .	145
X. Expectorants. By V. E. Henderson and A. H. Taylor . . . . .	153

### NUMBER 3, DECEMBER, 1910

XI. In Memoriam. Christian Archibald Herter . . . . .	165
XII. Tetanic Convulsions in Frogs Produced by Acid Fuchsin, and their Relation to the Problem of Inhibition in the Central Nervous System. By Henry G. Barbour and John J. Abel . . . . .	167
XIII. The Toxicity of Martius Yellow and some Other Aniline Dyes and the Entrance of Dyes into Cells. By A. P. Mathews and Elizabeth Long- fellow . . . . .	201
XIV. Physiological Studies in Anaphylaxis: II. Reaction of Smooth Muscle from Guinea-Pigs Rendered Tolerant to Large Doses of Serum. By W. H. Schultz . . . . .	221
XV. The Action of Ether on an Anaerobic Animal Tissue. By Albert P. Mathews . . . . .	231
XVI. Pharmacological Studies on the Phosphatids: I. Methods for the Study of Their Combinations with Drugs and Other Substances. By W. Koch . . . . .	239

XVII.	II. The Relation of the Phosphatids to the Sodium and Potassium of the Neuron. By W. Koch and F. H. Pike .....	245
XVIII.	III. The Relation of the Phosphatids to Overton and Meyer's Theory of Narcosis. By W. Koch and F. C. McLean.....	249
XIX.	IV. The Relation of Brain Phosphatids to Tissue Metabolites. By W. Koch and A. W. Williams.....	253
XX.	V. The Function of the Brain Phosphatids in the Physiological Action of Strychnin. By W. Koch and H. T. Mostrom.....	265

## NUMBER 4, MARCH, 1911

XXI.	Some Observations on the Physiological Action of Sodium Chloride. By Don R. Joseph and S. J. Meltzer.....	271
XXII.	The Distribution of Haemolysins, Agglutinins and Poisons in Fungi, Especially the Amanitas, the Entolomas, the Lactarius and the Inocybes. By William W. Ford.....	285
XXIII.	The Site of Action of Strychnine in the Spinal Cord. By A. H. Ryan and Hugh McGuigan.....	319
XXIV.	The Control of Strychnine Poisoning by Means of Intratracheal Insufflation and Ether. A Preliminary Communication. By T. S. Githerns and S. J. Meltzer.....	357
XXV.	The Inhibitory Action of Sodium Chloride upon the Phenomena following the Removal of the Parathyroids in Dogs. A Preliminary Communication. By D. R. Joseph and S. J. Meltzer.....	361
XXVI.	Physiological Studies in Anaphylaxis: III. A Microscopic Study of the Anaphylactic Lung of the Guinea-Pig and Mouse. By W. H. Schultz and H. E. Jordan.....	375
XXVII.	Scientific Proceedings of the American Society for Pharmacology and Experimental Therapeutics. Edited by the Secretary, Dr. Reid Hunt.....	391

## NUMBER 5, MAY, 1911

XXVIII.	An Experimental Study of Camphoric Acid. By George B. Roth	405
XXIX.	On the Influence of Various Salts upon Tetany following Parathyroidectomy. By Carl Voegtlin and W. G. MacCallum.....	421
XXX.	The Rôle of the Portal Circulation of the Liver in Bile Formation and Jaundice. By C. Voegtlin and B. M. Bernheim.....	455
XXXI.	Note Concerning the Laxative Properties of the Tribasic Salts of Phenolphthalic Acid. By L. G. Rountree.....	469

## NUMBER 6, JULY, 1911

XXXII.	Studies on the Circulation in Man: IV. The Influence of Oxygen Inhalation on the Circulation in a Case of Cyanosis. By G. N. Stewart.....	477
--------	--	-----

CONTENTS

v

XXXIII. Further Data Relating to the Use of Certain Antimonial Compounds in the Treatment of Experimental Trypanosomiasis. By L. G. Rowntree and John J. Abel.....	501
XXXIV. The Liver in its Relation to Anaphylactic Shock. By Carl Voegtlin and B. M. Bernheim.....	507
XXXV. A Study of the Antiseptic and the Pharmacologic Properties of Meta-Cresol Acetate. By Isidor Greenwald.....	513
XXXVI. On the Action of Senecio Alkaloids and the Caustion of the Hepatic Cirrhosis of Cattle (Pictou, Molteno, or Winton disease). By Arthur R. Cushny.....	531
XXXVII. On the Properties of Several Species of the Polyporaceae and of a New Variety of Clitocybe, Clitocybe Dealbata Sudorifica, Peck. By William W. Ford and Joseph L. Sherrick.....	549
XXXVIII. Further Study of the Relation of the Adrenals to Pancreatic Activity. By Charles Wallis Edmunds.....	559

## ILLUSTRATIONS

Blood-pressure curve after MgSO <sub>4</sub> (Fig. 1).....	89
Blood-pressure curve after curare (Fig. 2).....	89
Respiratory tracing of dog showing effect of perfusion of head with MgSO <sub>4</sub> (Fig. 3).....	90
Successive myocardiograms showing heart stand-still from MgSO <sub>4</sub> (Fig. 4) ..	90
Treatment of donkey with sodium antimony-thioglycollate (Chart 1).....	143
Small intestine from a nonsensitized guinea-pig and from a guinea-pig rendered tolerant to horse serum (Fig. 1).....	226
Successive portions of a tracing from the fore segment of Limulus heart (Fig. 1)	233
Primary stimulation by the ether (Fig. 2).....	234
Showing recovery in air, but not in hydrogen (Fig. 3).....	235
Diagram of anaphylactic lung (ventral view) of guinea-pig showing the levels of stenosis (black) in the bronchial tree (Fig. 1).....	379
Photomicrograph of section of anaphylactic lung at approximately the level x-y, fig. 1 (Fig. 2).....	380
Photomicrograph of cross section of secondary bronchus of the normal lung at a level slightly above x-y, fig. 1 (Fig. 3).....	381
Photomicrograph of oblique cross section (mucosa broken below) of bronchus of normal lung at about the level x-y, fig. 1. (Fig. 4).....	381
Camera lucida outline sketch of bronchiole and arteriole at points of division (Fig. 5).....	385
Photomicrograph of preparation (unstained toto mount) illustrated in fig. 5 (Fig. 6).....	385
Camera lucida drawing of oblique longitudinal section of arteriole (Fig. 7) ..	386
Transverse section of arteriole of normal lung through muscle segment (Fig. 8)	386
Effect of sodium camphorate solution, isotonic with the blood, in a cat of medium size (Fig. 1).....	415
Adrenalin on the blood pressure and volume of the pancreas (Tracing I).....	564
Effect of secretin injection upon pancreatic volume and blood pressure (Tracing II).....	566
Effect of pituitary extract (primary injection) upon blood pressure and pancreatic volume and rate of secretion (Tracing III).....	567
Effect of pituitary extract (secondary injection) upon blood pressure, pancreatic volume and rate of secretion (Tracing IV).....	568
Barium chloride upon blood pressure, pancreatic volume and rate of secretion (Tracing V).....	571