

CONTENTS

No. 1. MARCH, 1951

PAGE

Central Nervous Function and Changes in Brain Metabolite Concentration: Characteristic Glycogen Increment Patterns Produced by Convulsant Drugs. M. R. A. CHANCE.....	1
The Quantitative Separation of Adrenaline and Noradrenaline in Biological Fluids and Tissue Extracts. T. B. B. CRAWFORD and A. S. OUTSCHOORN.....	8
Inhibition of Cholinesterases by Irreversible Inhibitors <i>in vitro</i> and <i>in vivo</i> . F. HOBBIER.....	21
Susceptibility to Ventricular Fibrillation during Chloroform and Cyclopropane Anaesthesia. D. E. HUTCHESON.....	31
Estimation and Photolability of Some Thiosemicarbazones. A. SPINKS.....	35
Unmasking, after Cholinergic Paralysis by Botulinum Toxin, of a Reversed Action of Nicotine on the Mammalian Intestine, Revealing the Probable Presence of Local Inhibitory Ganglion Cells in the Enteric Plexuses. N. AMBACHE.....	51
Analysis of Certain Interactions of Nicotine with Bradykinin and Histamine. N. AMBACHE and M. ROCHA E SILVA.....	68
Responses of Coronary Vessels to Pituitary (Posterior Lobe) Extract and to Adrenaline. PAMELA KORDIK.....	75
The Nature of Uterine and Intestinal Sympathin. MONICA MANN and G. B. WEST.....	79
The Activity of Thiosemicarbazones Alone and in Combination with Other Drugs in Experimental Corneal Tuberculosis. R. J. W. REES and J. M. ROBSON.....	83
The Enhancement of the Effect of Oral Penicillin in Laboratory Animals by the Use of Oil Containing Aluminium Resinate. Y. C. HSU and G. A. H. BUTTLE.....	89
Noradrenaline and Adrenaline in Vessels of the Rabbit Ear in Relation to the Action of Amine Oxidase. J. H. BURN and JUDITH ROBINSON.....	101
Reversal of the Vascular Response to Acetylcholine and Adrenaline. J. H. BURN and JUDITH ROBINSON.....	110
Biological Estimation of Adrenaline and Noradrenaline in Tissue Extracts Contaminated with Histamine or Acetylcholine. CARL G. SCHMITERLÖW.....	120
The Formation <i>in vivo</i> of Noradrenaline from 3:4-Dihydroxyphenylserine (Noradrenaline Carboxylic Acid). CARL G. SCHMITERLÖW.....	127
The Walker Carcinoma 256 in the Screening of Tumour Inhibitors. A. L. WALPOLE.....	135
Pharmacological Study of Injected Cholinesterase. I. T. BECK.....	144
Paralysis of Autonomic Ganglia by Methonium Salts. W. D. M. PATON and E. J. ZAIMIS.....	155

No. 2. JUNE, 1951

The Renal Effects of Urethane and Colchicine in Adult Rats. S. E. DICKER.....	169
An Improved Apparatus for the Study of the Motility of Isolated Organs. CAMILLO BIANCHI and GIOVANNI CERIOTTI with the technical assistance of MARIO ORTELLI.....	182
2:4-Diaminopyrimidines—A New Series of Antimalarials. E. A. FALCO, L. G. GOODWIN, G. H. HITCHINGS, I. M. ROLLO, and P. B. RUSSELL.....	185
Cytotoxic Agents: I, Methylolamides with Tumour Inhibitory Activity and Related Inactive Compounds. J. A. HENDRY, F. L. ROSE, and A. L. WALPOLE.....	201
Cytotoxic Agents: II, Bis-Epoxydes and Related Compounds. J. A. HENDRY, R. F. HOMER, F. L. ROSE, and A. L. WALPOLE.....	235
Inhibition of Amine Oxidase by Isothiourea Derivatives. F. N. FASTIER and JOYCE HAWKINS.....	256
The Mode of Action of Morphine upon the Intestine. E. M. VAUGHAN WILLIAMS and D. H. P. STREETEN.....	263
The Duration of Cocaine Anaesthesia in the Rabbit Cornea. A Statistical Examination. PETER A. YOUNG.....	273
Noradrenaline Output in Urine After Infusion in Man. U. S. VON EULER and R. LUFT.....	286
Insulin and the Suprarenal Gland of the Rabbit. G. B. WEST.....	289
The Effect of Adrenaline, Noradrenaline, and Isopropyl Noradrenaline on the Ascorbic Acid Content of the Rat's Adrenal. I. G. JARRETT.....	294
The Pharmacology of the Toxiferines. W. D. M. PATON and W. L. M. PERRY.....	299
Reversal of Nicotine Action on the Intestine by Atropine. N. AMBACHE and J. EDWARDS.....	311
Enzymes and their Substrates in the Adrenal Gland of the Ox. H. LANGEMANN.....	318
The Mode of Action of Antrycide. W. E. ORMEROD.....	325
A Study of Basophilic Inclusion Bodies Produced by Chemotherapeutic Agents in Trypanosomes. W. E. ORMEROD.....	334
The Pressor Amines in the Adrenal Medulla after Irradiation. C. T. ANDERSON, H. BLASCHKO, J. H. BURN, and R. H. MOLE.....	342

No. 3. SEPTEMBER, 1951

	PAGE
A Pressor Substance in Urine. J. DEKANSKI.....	351
Cytotoxic Agents: III, Derivatives of Ethyleneimine. J. A. HENDRY, R. F. HOMER, F. L. ROSE, and A. L. WALPOLE.....	357
A Method for the Assay of Antidiuretic Activity. MICHAEL GINSBURG.....	411
Some Observations on the Biological Properties of Bacitracins A, B, and C. G. G. F. NEWTON, E. P. ABRAHAM, H. W. FLOREY, N. SMITH, and JOAN ROSS.....	417
Some Biological Properties of Cephalosporin P ₁ . A. C. RITCHIE, N. SMITH, and H. W. FLOREY....	430
Prolongation of Action of Chorionic Gonadotrophin. K. DIDCOCK, J. M. ROBSON, and A. A. SHARAF	445
Convulsive Agents and the Phosphates of Brain Examined <i>in vitro</i> . G. ANGUIANO and H. MCILWAIN	448
Studies in the Chemotherapy of Tuberculosis: Part VII. The Oxidation and Reduction Products of Thiosemicarbazones. E. HOGGARTH and A. R. MARTIN.....	454
Action of Calabash Curare and Related Curariform Substances on the Central Nervous System of the Cat. S. SALAMA and SAMSON WRIGHT.....	459
The Antidiuretic Response to and Excretion of Pituitary (Posterior Lobe) Extract in Man, with Reference to the Action of Nicotine. GEORGE P. BURN and R. SINGH GREWAL.....	471
The Effects of Dithiols on the Distribution of Mercury in Rabbits. K. R. ADAM.....	483
The Mechanism by which N: N-Dibenzyl-Chloroethylamine Protects Animals Against Cardiac Arrhythmias Induced by Sympathomimetic Amines in Presence of Cyclopropane or Chloroform. GEORGE FAWAZ	492
Compound 48/80: A Potent Histamine Liberator. W. D. M. PATON.....	499
The Influence of an Antihistamine Drug on the Release of Histamine in the Unanaesthetized Dog. W. D. M. PATON and M. SCHACHTER.....	509
The Inhibition of Some Pharmacological Actions of Pentamidine by Suramin. J. L. GUIMARAES and E. M. LOURIE.....	514

No. 4. DECEMBER, 1951

Atropine and Related Compounds on the Metabolism of Electrically Stimulated Sections of Mammalian Cerebral Cortex. H. MCILWAIN.....	531
The Action of <i>d</i> -Tubocurarine on the Monosynaptic Extensor Reflex. C. G. BERNHARD and D. TAVERNER	540
Differences in the Action of Tubocurarine and Strychnine on the Spinal Reflex Excitability of the Cat. C. G. BERNHARD, D. TAVERNER, and L. WIDÉN.....	551
Some Pharmacological Properties of 3:3-Diphenyl-Propanolamines, -Allylamines, and -Propylamines. A. C. WHITE, A. F. GREEN, and AUDREY HUDSON.....	560
A Comparison of Heat and Pressure Analgesiometric Methods in Rats. A. F. GREEN and P. A. YOUNG. With an Appendix by E. I. GODFREY.....	572
A Study of the Action of Antimonial Compounds on the Liver Fluke (<i>Fasciola hepatica</i>) <i>in vitro</i> . T. E. MANSOUR.....	588
The Inhibition of Cholinesterases by Alkylphosphates and Alkylphenolphosphates. A. S. V. BURGEN and F. HOBBIGER.....	593
Inhibition of Amine Oxidase by Antihistamine Compounds and Related Drugs. A. TICKNER.....	606
Some Actions of Hexamethonium and Certain Homologues. R. WIEN and D. F. J. MASON.....	611
Dependence of the Toxicity of Antrycide Methylsulphate in Mice on the Volume of a Dose Injected Subcutaneously. E. M. LOURIE and J. M. WALKER.....	630
Pharmacology of Benzilic Acid Derivatives. O. C. FORBES and P. B. MARSHALL.....	634
A Cinnoline Compound ("528") for the Treatment of <i>Trypanosoma congolense</i> Infections. E. M. LOURIE, J. S. MORLEY, J. C. E. SIMPSON, and J. M. WALKER.....	643
The Effect of Cocaine and Chronic Sympathetic Denervation of the Heart on the Chronotropic Action of Adrenaline and Noradrenaline. I. R. INNES and H. W. KOSTERLITZ.....	651
The Absence of an Effect of Dietary Protein on the Liberation of Liver Sympathin after Stimulation of the Hepatic Nerves. ROSA M. CAMPBELL, I. R. INNES, and H. W. KOSTERLITZ.....	659
Noradrenaline and the Suprarenal Medulla. D. M. SHEPHERD and G. B. WEST.....	665
The Depressor Action of the Veratrum Alkaloids. G. S. DAWES, J. C. MOTT, and J. G. WIDDICOMBE..	675
The Action of Drugs on Isolated Human Bronchial Chains. D. F. HAWKINS and H. O. SCHILD....	682
Decurarization by Decamethonium. O. F. HUTTER and J. E. PASCOE.....	691
A Method for Testing Miotics on the Mouse Pupil. R. SINGH GREWAL.....	696
Index to Vol. 6.....	700