

CONTENTS OF VOLUME 140

No. 1, APRIL 1963

Effects of Amphetamine, Chlorpromazine and Pentobarbital on Behavioral Thermoregulation. BERNARD WEISS AND VICTOR G. LATIES	1
An Electrographic Study of Psilocin and 4-Methyl- α -Tryptamine (MP-809). JAMES F. BRODEY, WILLIAM G. STEINER AND HAROLD E. HIMWICH	8
The Mechanism of the Blockade of Synaptic Transmission in the Mammalian Spinal Cord by Diethyl Ether and by Thiopental. G. G. SOMJEN AND M. GILL	19
Pharmacological Studies on Tarichatoxin, a Potent Neurotoxin. C. Y. KAO AND FREDERICK A. FUHRMAN	31
The Action of Phenolic Substances on Motor Nerve Endings. M. OTSUKA AND Y. NONOMURA	41
Acute Circulatory Effects of Diazoxide and Sodium Nitrite. ALAN A. RUBIN, LESTER ZITOWITZ AND LORRAINE HAUSLER	46
The Response of Rabbit Vascular Tissue to Electrical and Drug Stimulation. C. M. YATES AND C. N. GILLIS	52
Analysis of the Cardiovascular Effects of Dopamine in the Dog. ROBERT H. McDONALD, JR. AND LEON I. GOLDBERG	60
Cardiac Arrhythmias Induced by Injection of Isoproterenol into the Coronary Arteries. PETER E. DRESEL, MONTGOMERY C. HART AND B. C. R. STRÖMBLAD	67
Chronotropic and Vagal-Blocking Effects of DCI Studied by Direct Perfusion of the Sinus Node. THOMAS N. JAMES AND REGINALD A. NADEAU	73
The Effect of Intravitreal Injections of Norepinephrine, Epinephrine and Isoproterenol on the Intraocular Pressure and Aqueous Humor Dynamics of Rabbit Eyes. KENNETH E. EAKINS	79
Sympathomimetic Properties of Chlorphentermine: Metabolism, Metabolic Effects, Interaction with Reserpine and Biogenic Amines. BERNARD DUBNICK, GERALD A. LEESON, RUTH LEVERETT, D. FAY MORGAN AND G. E. PHILLIPS	85
The Effect of Drugs on the Release of Epinephrine from Adrenomedullary Particles <i>in vitro</i> . H. WEIL-MALHERBE AND HERBERT S. POSNER	93
The Effect of Unilateral and Bilateral Medial Forebrain Bundle Lesions on Brain Serotonin. JOHN A. HARVEY, ALFRED HELLER AND ROBERT Y. MOORE	103
The Effects of Reserpine and Some Related Compounds Upon the Levels of Adenine Nucleotides, Creatine Phosphate and Inorganic Phosphate in the Rat Brain <i>in vivo</i> . C. L. KAUL AND J. J. LEWIS	111
The Metabolism of C ¹⁴ 2-PAM in the Isolated Perfused Rat Liver. III. 1-Methyl-2-Cyanopyridinium Ion. JAMES L. WAY, PAUL B. MASTERSON AND JAMES A. BERES	117
Blockade of the Diuretic Action of Benzothiadiazines. CHARLES R. ROSS AND E. J. CAFRUNY	125

No. 2, MAY 1963

The <i>in vivo</i> Effects of Hydrazines and Vitamin B ₆ on the Metabolism of <i>Gamma</i> -Aminobutyric Acid. MIGUEL A. MEDINA	133
The Action of Calcium and of Local Anesthetics on Nerve Cells, and Their Interaction during Excitation. J. ACEVES AND XENIA MACHNE	138
A Simple Method for Producing Tolerance to Dihydromorphinone in Mice. LOUIS SHUSTER, RUTH V. HANNAM AND WILLIAM E. BOYLE, JR.	149
The Comparative Potencies of Codeine and Its Demethylated Metabolites after Intraventricular Injection in the Mouse. TERRINE K. ADLER	155
Central Excitatory and Depressant Effects of Pilocarpine in Rats and Mice. BARBARA ZABLOCKA AND DON W. ESPLIN	162
Selective Inhibition of Dog Spinal Vasoconstrictor Tracts by Mebutamate. S. MARGOLIN, O. J. PLEKSS AND E. J. FEDOR	170
The Effects of Monoamine Oxidase Inhibitors on Neuromyal Transmission. EDMUND G. ANDERSON AND ARTHUR AMMANN	179

Stimulant Action of 4-(<i>m</i> -Chlorophenylcarbamoyloxy)-2-Butynyltrimethylammonium Chloride (McN-A-343) on Sympathetic Ganglia. SATOSHI MURAYAMA AND KLAUS R. UNNA.....	183
Action of Tetraethylammonium Chloride on the Sympathetic Ganglia-Pulmonary Artery Preparation. JOHN A. BEVAN.....	193
Studies on the Storage of Norepinephrine and the Effect of Drugs. LINCOLN T. POTTER AND JULIUS AXELROD.....	199
Metabolism of Administered and Drug-Released Norepinephrine-7- H^3 in the Rat. IRWIN J. KOPIN AND EDNA K. GORDON.....	207
Studies on the Distribution of Exogenous Norepinephrine in the Sympathetic Neurotransmitter Store. CHARLES A. CHIDSEY AND DONALD C. HARRISON.....	217
Inhibition of Dopamine β -Oxidase <i>in vivo</i> by Benzyloxyamine and Benzylhydrazine Analogs. BRANISLAV NIKODIJEVIC, CYRUS R. CREVELING AND SIDNEY UDENFRIEND.....	224
The Presence and Distribution of Tyramine in Mammalian Tissues. SYDNEY SPECTOR, KENNETH MELMON, WALTER LOVENBERG AND ALBERT SJOERDSMA.....	229
Studies on Digitalis. VIII. Effect of Autonomic Innervation and of Myocardial Catecholamine Stores upon the Cardiac Action of Ouabain. DEAN H. MORROW, THOMAS E. GAFFNEY AND EUGENE BRAUNWALD.....	236
An Analysis of the Reversal of the Tryptamine Depressor Effect in the Chicken by Diphenhydramine and Tranlycypromine. JOHN NELSON EBLE.....	243
The Pharmacology of Trichlormethiazide, a Benzothiadiazine Diuretic. RICHARD M. TAYLOR AND THOMAS H. MAREN.....	249
The Excretion and Distribution in Body Fluids of Tetracyclines after Intravenous Administration to Dogs. M. SCHACH VON WITTENAU AND R. YEARY.....	258

No. 3, JUNE 1963

Formation of Metabolites from Nicotine by a Rabbit Liver Preparation. N. M. PAPA-DOPOULOS AND J. A. KINTZIOS.....	269
The Physiological Disposition of Probenecid, Including Renal Clearance, in Man, Studied by an Improved Method for Its Estimation in Biological Material. PETER G. DAYTON, T. F. YU, W. CHEN, L. BERGER, L. A. WEST AND A. B. GUTMAN.....	278
Lipolysis in Adipose Tissue: Effects of <i>dl</i> -3,4-Dichloroisoproterenol and Related Compounds. WILLIAM C. LOVE, LUCINDA CARR AND JAMES ASHMORE.....	287
The Effect of Catecholamines on Muscle Glycogen and Phosphorylase Activity. K. ROGER HORN BROOK AND THEODORE M. BRODY.....	295
Effect of 6-Hydroxydopamine and Some Other Compounds on the Concentration of Norepinephrine in the Hearts of Mice. CURT C. PORTER, JAMES A. TOTARO AND CLEMENT A. STONE.....	308
Mechanism of the Inhibitory Action of Guanethidine on Cardiovascular Responses to Tyramine and Amphetamine. B. BHAGAT AND F. E. SHIDEMAN.....	317
Studies on Digitalis. VII. Influence of Hyper- and Hypothyroidism on the Myocardial Response to Ouabain. DEAN H. MORROW, THOMAS E. GAFFNEY AND EUGENE BRAUNWALD.....	324
Electrophysiological Effects of Strophanthin in the Heart. DONALD G. KASSEBAUM.....	329
Effect of Pyrogallol on the Lung. D. F. J. HALMAGYI, B. STARZECKI AND G. J. HORNER.....	339
A Comparative Pharmacological Study of Synthetic Eleldoisin and Synthetic Bradykinin. E. STÜRMER AND B. BERDE.....	349
The Intestinal Inhibitory Response to Oxytocin, Vasopressin and Bradykinin. BERNARD LEVY.....	356
A Rapid Method for Assessing Drug Inhibition of Feeding Behavior. ADOLPH P. ROSZKOWSKI AND NANCY M. KELLEY.....	367
Some Neurophysiological and Neuropharmacological Characteristics of Audiogenic- Seizure-Susceptible Mice. EWART A. SWINYARD, ALAN W. CASTELLION, GREGORY B. FINK AND LOUIS S. GOODMAN.....	375
A Neuropharmacological Study of γ -Aminobutyrylcholine, γ -Aminobutyric Acid, Physostigmine and Atropine. A. J. HANCE, W. D. WINTERS, P. BACH-Y-RITA AND K. F. KILLAM.....	385
Effects of Ether and Thiopental on Spinal Presynaptic Terminals. G. G. SOMJEN.....	396
Index, Volume 140, April-June 1963.....	403