

CONTENTS OF VOLUME 165

No. 1, JANUARY 1969

Studies on the Reduction of Aromatic Nitro Groups in Human and Rodent Placental Homogenates. MONT R. JUCHAU.....	1
Metabolism of Some Phenylethylamines and Their β -Hydroxylated Analogs in Brain. GEORGE R. BREESE, THOMAS N. CHASE AND IRWIN J. KOPIN.....	9
A Specific and Sensitive Assay for Aminoguanidine: Its Application to a Study of the Disposition of Aminoguanidine in Animal Tissues. M. A. BEAVEN, J. W. GORDON, S. JACOBSEN AND W. B. SEVERS.....	14
Some Features of Barbiturate Interaction and Inhibition of NADH-Cytochrome C Oxidoreductase in Respiring Systems. HERBERT E. SPIEGEL AND W. W. WAINIO.....	23
A Comparison of the Lethal Effects of Nitrite and Hydroxylamine in the Mouse. ROGER P. SMITH AND W. ROBERT LAYNE.....	30
Methylene Blue Uptake and the Reversal of Chemically Induced Methemoglobinemias in Human Erythrocytes. W. ROBERT LAYNE AND ROGER P. SMITH.....	36
The Isolation of Morphine Ethereal Sulfate from Urine of the Chicken and Cat. JAMES M. FUJIMOTO AND VERNON B. HAARSTAD.....	45
Antiestrogenic and Antifertility Properties of Some Basic Ether Derivatives of Dimethylstilbestrol and Related Compounds. C. W. EMMENS, D. J. COLLINS, J. J. HOBBS, B. G. MILLER AND W. H. OWEN.....	52
Studies on the Site of Action of a New Anorectic Agent, Fenfluramine. MARIANNE H. FOXWELL, WILLIAM H. FUNDERBURK AND JOHN W. WARD.....	60
On the Inability to Produce Supersensitivity to Catecholamines in Intestinal Smooth Muscle. W. C. GOVIER, M. F. SUGRUE AND P. A. SHORE.....	71
Regional Differences in H^3 -Norepinephrine and H^3 -Dopamine Uptake into Rat Brain Homogenates. SOLOMON H. SNYDER AND JOSEPH T. COYLE.....	78
The Direct Effect of Norepinephrine and of Angiotensin on the Pulmonary Veins of Intact Dogs. ALBERT HYMAN.....	87
The Effect of <i>d</i> - and <i>l</i> -Norepinephrine on Rat Cardiac Phosphorylase Activation. JOHN H. MCNEILL AND THEODORE M. BRODY.....	97
Increased Biosynthesis of Cardiac Norepinephrine after Hypophysectomy. LEWIS LANDSBERG, JACQUES DE CHAMPLAIN AND JULIUS AXELROD.....	102
Reserpine- and Chlorpromazine-Induced Changes in Hypothalamo-Hypophyseal-Adrenal System in Rats in the Presence and Absence of Hypothermia. AMAR NATH BHATTACHARYA AND BERNARD H. MARKS.....	108
Acetylcholine in Rabbit Visual System Nuclei after Enucleation and Visual Cortex Ablation. EUGENE MILLER, ALFRED HELLER AND ROBERT Y. MOORE.....	117
Barbiturate Anesthesia: An Abnormal Physiologic Situation. L. L. PRIANO, D. L. TRABER AND R. D. WILSON.....	126
Alteration of the Body Distribution of Tritiated Digoxin by Acute Hyperkalemia in the Dog. FRANK I. MARCUS, GEETA G. KAPADIA AND CARL GOLDSMITH.....	136

No. 2, FEBRUARY 1969

Dr. Julius B. Kahn, Jr. 1921-1968.....	150
Disposition of Norepinephrine and Epinephrine in Vascular Tissue, Determined by the Technique of Oil Immersion. STANLEY KALSNER AND MARK NICKERSON.....	152
Effect of Cocaine, Phenoxybenzamine and Calcium on the Inhibition of Norepinephrine Output from the Cat Spleen by Guanethidine. S. M. KIRPEKAR, A. R. WAKADE, W. DIXON AND J. C. PRAT.....	166
Sympathetic Responses in Cardiac Tissue in Experimental Hypertension. THOMAS BAUM.....	176
The Effects of Inorganic Ions on the Storage and Uptake of H^3 -Norepinephrine by Rat Heart Slices. DONALD F. BOGDANSKI AND BERNARD B. BRODIE.....	181
Enzymatic Conversion of Norepinephrine to Epinephrine by the Brain. LARISSA A. POHORECKY, MICHAEL ZIGMOND, HARVEY KARTEN AND RICHARD J. WURTMAN.....	190

Activities of Enzymes Involved in the Formation and Destruction of Biogenic Amines in Various Areas of Human Brain. W. H. VOGEL, V. ORFEI AND B. CENTURY...	196
Cyclic Variations of Catecholamine Content in Hypothalamic Nerve Cells during the Estrous Cycle of the Rat, with a Concomitant Study of the Substantia Nigra. WALTER LICHTENSTEIGER.....	204
Correlation of Brain Levels of Drugs with Behavioral Effects. R. P. MAICKEL, R. H. COX, JR., F. P. MILLER, D. S. SEGAL AND R. W. RUSSELL.....	216
The Effect of <i>Beta</i> Adrenergic Antagonists on Cardiac Contractions, Myofibrillar ATPase Activity, High-Energy Phosphate Stores and Lipid-Facilitated Transport of Calcium Ions. WINIFRED G. NAYLER, J. STONE, VALERIE CARSON, I. MCINNES, VALERIE MACK AND T. E. LOWE.....	225
The Effect of Theophylline on Amine-Induced Cardiac Phosphorylase Activation and Cardiac Contractility. JOHN H. MCNEILL, MICHAEL NASSAR AND THEODORE M. BRODY.....	234
The Interaction of Quinidine with <i>Alpha</i> and <i>Beta</i> Adrenergic Receptors in the Rat Myocardium. JAMES E. BERGER AND CORWIN M. MOKLER.....	242
The Effect of Emetine on Metabolism and Contractility of the Isolated Rat Heart. ANDRIES J. BRINK, JAN C. N. KOTZÉ, SAMUEL P. MULLER AND AMANDA LOCHNER.	251
Effects of Synthetic Oxytocin with and without Preservatives upon Coronary Blood Flow in the Dog. CLARENCE L. FORTNER, EMMETT S. MANLEY, JR. AND ROBERT A. WOODBURY.....	258
The Active Responses of Pulmonary Veins in Intact Dogs to Prostaglandins F_2 <i>Alpha</i> and E_1 . ALBERT L. HYMAN.....	267
Bronchopulmonary Effects of Pentaerythrityl Tetranitrate and Isoproterenol. DOMINGO M. AVIADO, TAKETOSHI KISHIMOTO AND HENRY J. KNEIDINGER.....	274
Relationship between Glutathione-Dependent Denitration and the Vasodilator Effectiveness of Organic Nitrates. P. NEEDLEMAN, D. J. BLEHM AND K. S. ROTSKOFF.....	286
Effect of Yohimbine on Tryptophan Metabolism. T. L. SOURKES, KRYSZYNA MISSALA AND BERTHA K. MADRAS.....	289
Action of Antiinflammatory Drugs on the Lysozyme Activity and "Turbidity" of Serum from Rats with Adjuvant Arthritis or Endocrine Deficiency. SAM J. PILIERO AND CARMELO COLOMBO.....	294
The Effects of Selected Cholinergic Drugs and Strychnine on Cochlear Responses and Olivo-Cochlear Inhibition. R. D. BROWN, E. A. DAIGNEAULT AND J. R. PRUETT.	300
The Mode of Action of Morphine on the Uptake of Carbachol and Decamethonium by Slices of Rat Cerebral Cortex. DERMOT B. TAYLOR, RICHARD CREESE AND TZU-CHIAU LU.....	310
Index, Volume 165, January-February 1969.....	321