Hemolysis by Holothurin A, Digitonin, and Quillaia Saponin: Estimates of the Required Cellular Lysin Uptakes and Free Lysin Concentrations. C. D. Thron

The Metabolism of Digoxin in Normal Subjects. Frank I. Marcus, Govind J. Kapadia and Geeta G. Kapadia

Intracellular Distribution of Digoxin-H\textsuperscript{2} in the Hearts of Rats and Dogs Demonstrated by Autoradiography and Its Relationship to Changes in Myocardial Contractile Force. Loyal L. Conrad and Donald J. Baxter

The Uptake of Thallium by Rabbit Erythrocytes. P. J. Gehring and P. B. Hammond

The Relative Activity of Lathyrogenic Agents Examined in Organ Cultures of Embryonic Chick Tibiotarsi: Example of an Assay Using Paired Organs in an Incomplete Block Design. J. D. Biggers and H. F. Schryver

The Metabolism of Chlorphenesin Carbamate. Donald R. Buhler

Metabolic Fate of \(\beta\)-(3,4,5-Trimethoxyphenyl)-Ethylamine (Mescaline) in Humans: Isolation and Identification of 3,4,5-Trimethoxyphenylacetic Acid. K. D. Charlampos, Antonio Orego, K. E. Walker and John Kinross-Wright

A Sensitive Fluorometric Assay for Morphine in Plasma and Brain. Harvey Kupperberg, Alan Burkhalter and E. Leong Way

The Penetration of 2-PAM-C\textsuperscript{14} into Brain and the Effect of Cholinesterase Inhibitors on Its Transport. H. Firemark, C. F. Barlow and L. J. Roth

No. 3, September 1964

The Action of Sodium Pentobarbital on the S-A Nodal Activity of the Mammalian Heart. Hansürg Schäfer


The Action of Nethalide upon Experimentally Induced Cardiac Arrhythmias. Benedict R. Lucchesi

The Mechanism of the Vasodepressor Response to Tyramine in Dogs. D. R. Vanderipe and J. B. Karn, Jr.

Dose-Dependent Differences in Catecholamine Action on Heart and Periphery. H. H. Bendixen, P. F. Osgood, K. V. Hall and M. B. Laver

Interaction between Norepinephrine and Dichloroisoproterenol during Adrenergic Blockade of the Isolated Perfused Rat Heart. Betty J. Williams and Steven E. Mayer

Nicotine and Renal Hypertension in the Rat. Duane G. Wenzel, Artontip Watatanapongsi and Donald Vedral

Effects of Tetraethylammonium Chloride on Electrical Activities of Frog Sympathetic Ganglion Cells. W. K. Riker

The Distribution of Dopamine and Dopa in Various Animals and a Method for Their Determination in Diverse Biological Material. Aaron H. Anton and David F. Sayre

Effects of Chlorpromazine on the Metabolism of dl-2-C\textsuperscript{14}-Dopa in the Rat. K. F. Gey and A. Pletscher

Chlorinated Aryalkylamines Affecting the Cerebral Metabolism of 5-Hydroxytryptamine. A. Pletscher, G. Bartholini, H. Bruderer, W. P. Burkard and K. F. Gey

Distribution in Plasma, Uptake by the Heart and Excretion of Ouabain-H\textsuperscript{2} in Human Subjects. B. H. Marks, S. Dutta, J. Gauthier and D. Elliott

Quantification of Normal and Adrenal Steroid Affected Calcium Metabolism in the Young Dog. Edward R. Garrett, Richard L. Johnston and Elliott J. Collins

Behavioral Effects of a Cholinergic Stimulant in Combination with Various Psychotherapeutic Agents. M. E. Goldberg and H. E. Johnson

The Influence of Chlorpromazine on Physical and Chemical Mechanisms of Temperature Regulation in the Rat. James Kollas and Robert W. Bullard

Pentaborane: Relationship between Inhaled Lethal and Incapacitating Dosages in
Animals. Maurice H. Weeks, David G. Burke, Emery E. Bassett, Joseph R. Johnson and Milton K. Christensen................................................................. 382
The Effect of 2,2'-Phosphinicodilactic Acid on the Absorption of Tetracyclines with Notes on Pharmacology and Toxicity. G. Tonelli, L. Alfano and E. Takesue. 386
Evaluation in Man of the Effects of an Anticholinergic Agent on Gastric Emptying by a Quantitative X-Ray Method. G. Sacchetti, F. B. Nicolais and L. Roncoroni... 393
Index, Volume 145, July–September, 1964 .......................................................... 399