The Role of Carbonic Anhydrase in Anion Secretion into Cerebrospinal Fluid. THOMAS H. MAREN AND LAWRENCE E. BRODER. ........................................ 197
Studies of the Effect of Bendroflumethiazide on Sodium Transport and Metabolism in the Tinted Bladder. BARBARA McDougal and LAWRENCE P. SULLIVAN. .......... 203
Drugs Affecting Sodium Transport in Human Erythrocyte Ghosts. A. ASKARI AND S. N. RAO. .......................................................... 211
Mechanism of the Renal Tubular Transport of Morphine and Morphine Ethereal Sulfate in the Chicken. WILLIAM M. WATROUS, DAVID G. MAY AND JAMES M. FUMI-
MOTO. .................................................................................. 224
The Actions of Tetraethyammonium Ions on Potassium Fluxes in Frog Sartorius Muscle. ROBERT L. VOLLE. ................................................. 230
Effect of Lidocaine on Conduction in Canine Purkinje Fibers and at the Ventricular Muscle-Purkinje Fiber Junction. J. THOMAS BIGGER AND WILLIAM J. MANDEL. 239
Biphasic Effect of Nicotine on Action Potential Repolarization in Electrically Driven Guinea-Pig Atria. ACHILLEES J. PAPPANO. ......................... 255
The Sympathomimetic Effect of Gallamine on the Heart. BORNELL R. BROWN, JR. AND J. RICHARD CHOUT. .............................................. 266
Blockade of the Cardiac Action of Phenylephrine by Bretylium or Cocaine. C. S. YOO AND W. C. LEE. ............................................. 274
The Effect of Bretylium on Amine Retention in Rat Heart. KENNETH R. KRAUBS, IRWIN J. KOPIN AND VIRGINIA K. WEISE. ....................... 282
The Effects of Acidosis on Chronotropic Responses, Norepinephrine Storage and Release in Isolated Guinea-Pig Atria. M. J. PEACH, G. D. FORD, A. J. AZZARO AND W. W. FLEMING. ................................................ 289
An Evaluation of the Vasodilation Produced by Mephenetermine and Certain Other Sympathomimetic Amines. R. WILLIAM CALDWELL AND LEON I. GOLDBERG. 297
The Antagonism of Phentolamine against Exogenously Administered and Endogenously Released Norepinephrine in Rabbit Aortic Strips. PEDRO R. URQUILLA, ROBERT E. STITZEL AND WILLIAM W. FLEMING. ........................................... 310
Interactions between Potentiating Agents of Adrenergic Amines in Rabbit Aortic Strips. JEROME A. LEVIN AND ROBERT F. FURCHGOTT. ............... 320
Release of Norepinephrine from Isolated Rat Iris by Field Stimulation. LARS-OVE FARNERBO AND BERTIL HAMBERGER. ......................... 332
Effects of Metabolic Inhibitors on Norepinephrine Release from the Perfused Spleen of the Cat. S. M. KIRPEKAR, J. C. PRAT AND H. YAMAMOTO. ................................................ 342
Cholinergic Activities of Halogeno-Acetylcholines. C. Y. CHIOU AND B. V. RAMA SASTRY. ............................................................ 351
Effects of Nicotine on Gastric Antral and Duodenal Contractile Activity in the Dog. G. M. CARLSON, R. W. RUDDON, C. C. HUG, JR. AND PAUL BASS. .... 367
Analysis of the Site of Nicotine Action on Gastric Antral and Duodenal Contractile Activity. G. M. CARLSON, R. W. RUDDON, C. C. HUG, JR., S. K. SCHMIEGE AND PAUL BASS. ........................................................................... 377
The Actions of γ-Aminobutyric Acid and Related Amino Acids on Mammalian Auto-
nomic Ganglia. WILLIAM C. DE GROOT. ..................................... 384
Effects of Some Benzodiazepines on Punished and Unpunished Behavior in the Figeon. W. WUTTKE AND R. T. KELLEHER. ............................... 397
Potentiation and Inhibition of Some Central Actions of L(-)-Dopa by Decarboxylase Inhibitors. VICTOR J. LOTTI AND CURT C. PORTER. ............ 406
Daily Rhythm in the Accumulation of Brain Catecholamines Synthesized from Circu-
lating H-TYROSINE. MICHAEL J. ZIGMOND AND RICHARD J. WURTMAN. 416
Interactions of Anti-Inflammatory Drugs in Carrageenan-Induced Foot Edema of the Rat. KARL F. SWINGLE, THOMAS J. GRANT, LOWELL W. JAQUES AND DONALD C. KVAM. ............................................................. 423
Index, Volume 172, March-April 1970. ........................................... 427
Letters to the Editor. .................................................................. 429