Contents

No. 1

1. Freye, E. and Kuschinsky, E.: Effects of Fentanyl and Droperidol on the Dopamine Metabolism of the Rat Striatum

2. Kowalewski, K. and Kolodej, A.: Effect of Bombesin, a Natural Tetradecapeptide, on Myoelectrical and Mechanical Activity of Isolated, ex vivo Perfused, Canine Stomach

3. Livrea, P.; Di Reda, L.; Giovine, A., and Bertolino, A.: Effects of Tetrahydro-papaveroline on Dopamine and 5-Hydroxytryptamine Metabolism in Rat Brain in vivo

4. Ingoff, P.; Meier-Bruge, M.; Sebewek, C., and Enz, A.: The Uptake of DH-Ergotoxine by Different Parts of the Cat Brain

5. Kraynack, B.J.; Cohn, M.L.; Cohn, M., and Taylor, F.H.: Comparisons between the Antianesthetic Action of Dibutyryl Cyclic AMP and Analeptic Drugs on Amobarbital-Induced Narcosis in the Rat


7. Fanelli, O.: Influence of Phosphoserine on the Performance of Rats on the Rotarod

8. Peng, G.W. and Chiou, W.L.: Study on the Binding of Trichloromonofluoromethylene by Bovine Serum Albumin Using a Fluorescent Probe Technique


No. 2


13. Wade, A.E.; Evans, J.L., and Seitz, A.: Influence of the Oral Contraceptive, Mestranol, on Drug-Metabolizing Enzymes of Female Rats in Thiamin-Supplemented and Deficiency States

14. Messiha, F.S.: Alkali Metal Ions and Ethanol Narcosis in Mice

15. Arnold, A. and McAuliff, J.P.: Relative Lipolytic Activities of Selected Catecholamines
in the Mouse ........................................... 158
Hanson, K.M. and Post, J.A.: Splanchnic Vascular Responses to the Infusion of Prosta-
glandins A1, A2, and E2. ........................................ 165
Greenblatt, D.J., Duhme, D., Koch-Weser, J., and Smith, T.: Assessment of Meth-
odolysis in Single-Dose Studies of Digoxin Bioavailability .................................................. 182

No. 3

Kowalewski, K. and Kolarz, A.: The Effect of Aminophylline on Pentagastrin-Induced Secretion and Motor Activity of Totally Isolated Canine Stomach Per fused Extracorporeally ........................................... 218
Zwieten, P.A. van: The Reversal of Clonidine-Induced Hypotension by Propriptyline and Desipramine ................................................................. 227
Ludinsky, H., Consoio, S., Bianchi, S., Peri, G., and Garattini, S.: Lack of Influence of the Phase of Estrus Cycle or Treatment with Steroid Contraceptive Drugs on Cholinergic Parameters in Mouse and Rat Brain ................................................................. 232
Székely, J.J., Dunai Kovác, Z., and Borsy, J.: The Effect of Anti-Parkinsonian Drugs on Chlorpromazine-Induced Depression of Operant Behaviour ........................................... 240
Filipovic, N., Stern, P., and Fuku, Z.: Effects of Serine on Morphine-Dependent Mice . 247
Nowak, G. and Haustein, K.O.: Different Toxic Effects of Ouabain and 6-O-Epi-
Cholin on Purkinje Fibres and Ventricular Muscle Fibres ......................................................... 256
Navarro, G.: Antinociceptive and Stimulant Effects of Morphine after ChemicalSyr-
pathectomy ................................................................................................................................. 265
Maggiolo-Cavaliere, M.E.: Acetylcholinochemichionium: Chemical and Pharmacological Evaluation of an Open-Ring Hemicholinium ........................................... 274

No. 4

Wilhelm, G. and Faust, R.: Suitability of the C57 Black Mouse as an Experimental Animal for the Study of Skeletal Changes Due to Ageing, with Special Reference to Osteo-Arthrosis and Its Response to Tribenoside .............................................................................................. 289

Contents

McClean, D.K. and Zimmerman, A.M.: Action of N9-Tetrahydrocannabinol on Cell Division and Macromolecular Synthesis in Division-Synchronized Protozoa ... 307
Lowering Activity of Morphine in the Mouse ................................................................................ 322
Racwell, P.P. and Chien, C.Y.: Pharmacological Studies of N,N-Dimethylaminoethy-
Chloroacetate and N,N-Dimethylaminoethy Acrylate as Inhibitors of Choline Acetytltransferase in Isolated Skeletal and Smooth Muscle Preparations ........................................... 339
Kisin, I.: Effect of Adrenergic Neuron Inhibitors on the Vascular Response to Sym pathetic Nerve Stimulation ........................................................................................................... 351
Fozard, J.R. and Berry, J.L.: Interactions between Anti-Migraine Drugs and a High Affinity Uptake and Storage Mechanism for 5-Hydroxytryptamine ........................................... 357
Sell, A.B. and Carlini, E.A.: Anesthetic Action of Methyleugenol and Other Eugenol Derivatives ................................................................................................................................. 367
Trnovský, K. and Rovenský, J.: Influence of some Antirheumatic Drugs and Cytostatics on Urinary Enzyme Level .................................................................................................................. 378
No. 5

Bala, S. and Garg, K.N.: Effect of Prolonged Thiorperazine, Imipramine and Haloperidol Administration on Serum Cholesterol. An Experimental Study in Rabbits 385


Wilhelm, G.: Regeneration-Promoting Properties of Tribenoside in Amblystoma mexicanum .................................................................397

Arrigoni-Martelli, E.; Brum, E., and Binderup, L.: Actinomycin D Peritonitis in Rats. A Tool for the Study of Early Events in Inflammation ..........................................................405

Bretz, Schneider, F. M.; Molová, J.; Olsosska, Z.; Adam, M., and Paus, R.: The Effect of Dithalone on Collagen and Glycosaminoglycans Metabolism .........................................................414

Cankat Tulunay, F.: The Effect of Lithium Chloride on Morphine- and Pyrogen-Induced Hyperthermia in Rats .................................................................422


Kostas, J.; McFarland, D.J., and Drew, Wm.G.: Lead-Induced Hyperactivity. Chronic Exposure during the Neonatal Period in the Rat ..........................................................435

Bhatnagar, S.: The Lymphatic Absorption of p,p'-DDT and Some Structurally-Related Compounds in the Rat .................................................................443

Babbin, M.; Gaiardi, M., and Bartoletti, M.: Some Behavioral Effects of Prethcamide Compared with Those of Its Two Components .................................................................455

Contents

VI

Bratlid, D. and Bergan, T.: Displacement of Albumin-Bound Antimicrobial Agents by Bilirubin .........................................................................................................................464


No. 6

Kramer, H.J.: Effects of Bumetanide on Sodium Transport of the Isolated Frog Skin and on Renal Na-K-ATPase ..................................................................................................................481

Pham-Huu-Chanh; Nguon-Dat-Xuong; Le Pecz, J.B., and Paoletti, C.: Cardiovascular Activity of 9'-Hydroxy-ellipticine ........................................................................................................499


Mathé, A.R.; Puri, S.K.; Volcker, L., and Sohn, R.J.: Effect of Epinephrine on Cyclic AMP Levels and Adenylate Cyclase and Phosphodiesterase Activities in Control and Antigen-Sensitized Guinea Pig Lungs ...........................................................................................................511

Pegg, M.: Antithrombotic Effects of Sulfinpyrazone in Animals. Influence on Fibrinolysis and Sodium Arachidonate-Induced Pulmonary Embolism ..................................................522

Kowalewski, K. and Kolden, A.: Effects of Calcium Infusion on Secretion and Motor Activity of Totally Isolated Canine Stomach Perfused with Homologous Blood. 5 37

Endell, W. and Seekel, G.: Influence of Surgical Manipulations on Hexobarbitual Effects in Rats .................................................................................................................................550

Zidek, Z. and Janka, J.: Sex and Genetic Differences in the Elimination of Sulphadimidine in Rats .................................................................................................................................556

Book Reviews ...........................................................................................................95, 191, 479, 563

Vara .............................................................................................................................192, 288

Author Index .............................................................................................................565

Subject Index ...........................................................................................................567