

CONTENTS

Desamino-D-Arginine Vasopressin Induces Fatty Acid Cyclooxygenase Activity in the Renal Medulla of Diabetes Insipidus Rats. Thomas R. Beck, Aviv Hassid and Michael J. Dunn	269
Increase in Hepatic Microsomal Ethanol Oxidation by a Single Dose of Ethanol. D. R. Petersen, N. Atkinson and J. J. Hjelle	275
Modulation of Peripheral Adrenergic Neurotransmission by Methionine-Enkephalin. Ronald R. Gaddis and Walter R. Dixon	282
Effects of <i>d</i>-Lysergic Acid Diethylamide, <i>d</i>-2-Bromolysergic Acid Diethylamide, <i>dl</i>-2,5-Dimethoxy-4-Methylamphetamine and <i>d</i>-Amphetamine on Classical Conditioning of the Rabbit Nictitating Membrane Response. J. A. Harvey, I. Gormezano and V. A. Cool	289
Regulation of the Synthesis and Release of Slow-Reacting Substance of Anaphylaxis from Sensitized Monkey Lung. Barry M. Weichman, Linda S. Hostelley, Sheila P. Bostick, Roseanna M. Muccitelli, Robert D. Krell and John G. Gleason	295
Serotonin Receptor Sensitivity after Acute and Chronic Treatment with Mianserin. M. A. Blackshear and E. Sanders-Bush	303
Heterogeneity of Postsynaptic α Adrenergic Receptors in Mammalian Aortas. Robert R. Ruffolo, Jr., James E. Waddell and Emily L. Yaden	309
Different Hemodynamic Response after Acute Diuresis in the Normotensive and Hypertensive State. Fotis Charocopoulos, Peter Hatzinikolaou and Donald DiPetti	315
Effects of Diazepam on Ethanol Withdrawal. Laura M. Aaronson, Donald J. Hinman and Michiko Okamoto	319
Activation of Retinal Tyrosine Hydroxylase: Tolerance Induced by Chronic Treatment with Haloperidol Does Not Modify Response to Light. J. Cohen and N. H. Neff	326
Studies on the Antihypertensive Action of L-Tryptophan. Alan F. Sved, Christina M. Van Itallie and John D. Fernstrom	329
Acute Effect of Ethanol on Prostaglandin E_1-Mediated Cyclic AMP Formation by a Murine Neuroblastoma Clone. Scott Stenstrom and Elliott Richelson	334
Accumulation of Cimetidine by Kidney Cortex Slices. William Cacini, Maggie B. Keller and Vernon R. Grund	342
Renal Effects of the Antihypertensive, Guanabenz, in the Dog. Jack W. Strandhoy, Mariana Morris and Vardaman M. Buckalew, Jr.	347
Effects of Lidocaine on Conduction through Depolarized Canine False Tendons and on a Model of Reflected Reentry. Vito Lamanna, Charles Antzelevitch and Gordon K. Moe	353
Distribution of Radioactivity in the Spinal Cord after Intracerebroventricular and Intravenous Injection of Radio-labeled Opioid Peptides in Mice. Agneta E. Ohlsson, Tsu-Ching Fu, Dennis Jones, Billy R. Martin and William L. Dewey	362
Interindividual Variability in the Metabolism and Cardiovascular Effects of Nicotine in Man. Neal L. Benowitz, Peyton Jacob III, Reese T. Jones and Jon Rosenberg	368
Effects of <i>d</i>-Amphetamine and Diazepam on Fixed-Interval Fixed-Ratio Responding in Humans. Patricia A. Tewes and Marian W. Fischman	373
Behavior Maintained Under Fixed-Interval and Second-Order Schedules of Cocaine or Pentobarbital in Rhesus Monkeys. C. E. Johanson	384
Riboflavin Transport by Rabbit Kidney Slices: Characterization and Relation to Cyclic Organic Acid Transport. Reynold Spector	394
An <i>in Vivo</i> Evaluation of Iron-Chelating Drugs Derived from Pyridoxal and Its Analogs. D. K. Johnson, M. J. Pippard, T. B. Murphy and N. J. Rose	399
Investigations into the Neurochemical Mechanisms Mediating Differences in Ethanol Sensitivity in Two Lines of Mice. Joseph M. Masserano and Norman Weiner	404
Effects of Intravenous and Aerosol Nifedipine on Prostaglandin $F_{2\alpha}$ and Histamine-Induced Bronchoconstriction in Anesthetized Dogs. P. E. Malo, M. A. Wasserman and R. L. Griffin	410

Nicotinic-Catecholaminergic Interactions in Rat Brain: Evidence for Cholinergic Nicotinic and Muscarinic Interactions with Hypothalamic Epinephrine. Kevin A. Roth, Steven L. McIntire and Jack D. Barchas	416
The Role of Dopamine and Serotonin in the Discriminative Stimulus Effects of Lisuride. Francis J. White and James B. Appel	421
Differential Paraquat Uptake and Redox Kinetics of Rat Granular Pneumocytes and Alveolar Macrophages. Henry Jay Forman, Thomas K. Aldrich, Mark A. Posner and Aron B. Fischer	428
Age Effects on Haloperidol Pharmacokinetics in Male, Fischer-344 Rats. I. M. Kapetanovic, D. J. Sweeney and S. I. Rapoport	434
Changes in the Density of <i>Beta</i> Adrenergic Receptors in Rat Lymphocytes, Heart and Lung after Chronic Treatment with Propranolol. Ralph D. Aarons and Perry B. Molinoff	439
Sensitization Produced by Repeated Administration of Naloxone is Blocked by Food Deprivation. Diane Snell, Dan Feller, David Bylund and R. Adron Harris	444
Interaction between the Renin-Angiotensin and <i>Beta</i> Adrenergic Nervous Systems in Drinking and Pressor Responses after Renal Artery Constriction. J. Atkinson, Pierrette Lüthi, Roselyne Péra-Bally and Lise Peters-Haefeli	453
Presynaptic Inhibition by Dopamine Receptor Agonists of Noradrenergic Neurotransmission in the Rabbit Hypothalamus. A. M. Galzin, M. L. Dubocovich and S. Z. Langer	461
Effects of 2-Nicotinamidoethyl Nitrate on Smooth Muscle Cells of the Guinea-Pig Mesenteric and Portal Veins. Tsuyoshi Karashima, Takeo Itoh and Hiroshi Kuriyama	472
Possible Mechanisms of 15-Hydroperoxyarachidonic Acid-Induced Contraction of the Canine Basilar Artery <i>in Vitro</i>. Tohru Koide, Tomohiro Neichi, Michiaki Takato, Hiroshi Matsushita, Katsuaki Sugioka, Minoru Nakano and Shun-ichi Hata	481
Release of Creatine Kinase and Lactate Dehydrogenase from Frog Skeletal Muscles Treated with Imipramine. G. Suarez-Kurtz and A. B. Eastwood	489
Norepinephrine Enhancement of Inhibitory Synaptic Mechanisms in Cerebellum and Cerebral Cortex: Mediation by <i>Beta</i> Adrenergic Receptors. Barry D. Waterhouse, Hylan C. Moises, Hermes H. Yeh and Donald J. Woodward	495
A Technique to Study Hepatic and Intestinal Drug Metabolism Separately in the Dog. David J. Effeney, Susan M. Pond, Man-Wai Lo, Bernie M. Silber and Sidney Riegelman	507
Lack of Gastrointestinal Metabolism of Propranolol in Dogs after Portacaval Transposition. Man-Wai Lo, David J. Effeney, Susan M. Pond, Bernie M. Silber and Sidney Riegelman	512

AUTHOR INDEX

Aarons, R. D., 439	Fischman, M. W., 373	Kuriyama, H., 472	Richelson, E., 334
Aaronson, L. M., 319	Forman, H. J., 428	Lamanna, V., 353	Riegelman, S., 507, 512
Aldrich, T. K., 428	Fu, T.-C., 362	Langer, S. Z., 461	Rose, N. J., 399
Antzelevitch, C., 353	Gaddis, R. R., 282	Lüthi, P., 453	Rosenberg, J., 368
Appel, J. B., 421	Galzin, A. M., 461	Lo, M.-W., 507, 512	Roth, K. A., 416
Atkinson, J., 453	Gleason, J. G., 295	Malo, P. E., 410	Ruffolo, R. R., Jr., 309
Atkinson, N., 275	Gormezano, I., 289	Martin, B. R., 362	Sanders-Bush, E., 303
Barchas, J. D., 416	Griffin, R. L., 410	Masserano, J. M., 404	Silber, B., 507, 512
Beck, T. R., 269	Grund, V. R., 342	Matsushita, H., 481	Snell, D., 444
Benowitz, N. L., 368	Harris, R. A., 444	McIntire, S. L., 416	Spector, R., 394
Blackshear, M. A., 303	Harvey, J. A., 289	Moe, G. K., 353	Stenstrom, S., 334
Bostick, S. P., 295	Hassid, A., 269	Moises, H. C., 495	Strandhoy, J. W., 347
Buckalew, V. M., Jr., 347	Hata, S., 481	Molinoff, P. B., 439	Suarez-Kurtz, G., 489
Bylund, D., 444	Hatzinikolaou, P., 315	Morris, M., 347	Sugioka, K., 481
Cacini, W., 342	Hinman, D. J., 319	Muccitelli, R. M., 295	Sved, A. F., 329
Charocopos, F., 315	Hjelle, J. J., 275	Murphy, T. B., 399	Sweeney, D. J., 434
Cohen, J., 326	Hostelley, L. S., 295	Nakano, M., 481	Takato, M., 481
Cool, V. A., 289	Itoh, T., 472	Neff, N. H., 326	Tewes, P. A., 373
Dewey, W. L., 362	Jacob, P., III, 368	Neichi, T., 481	Van Itallie, C. M., 329
DiPetti, D., 315	Johanson, C. E., 384	Ohlsson, A. E., 362	Waddell, J. E., 309
Dixon, W. R., 282	Johnson, D. K., 399	Okamoto, M., 319	Wasserman, M. A., 410
Dubocovich, M. L., 461	Jones, D., 362	Péra-Bally, R., 453	Waterhouse, B. D., 495
Dunn, M. J., 269	Jones, R. T., 368	Petersen, D. R., 275	Weichman, B. M., 295
Eastwood, A. B., 489	Kapetanovic, I. M., 434	Peters-Haefeli, L., 453	Weiner, N., 404
Effeney, D. J., 507, 512	Karashima, T., 472	Pippard, M. J., 399	White, F. J., 421
Feller, D., 444	Keller, M. B., 342	Pond, S. M., 507, 512	Woodward, D. J., 495
Fernstrom, J. D., 329	Koide, T., 481	Posner, M. A., 428	Yaden, E. L., 309
Fischer, A. B., 428	Krell, R. D., 295	Rapoport, S. I., 434	Yeh, H. H., 495