

CONTENTS

No. 1. *May*, 1968

PAGE

ABDEL-GALIL, A. A. M. AND MARSHALL, P. B. PHENYLBUTAZONE AND HISTAMINE FORMATION IN RAT GLANDULAR STOMACH: ITS RELATIONSHIP TO GASTRIC ULCERATION	1
GRAHAM, J. D. P., LEVER, J. D. AND SPRIGGS, T. L. B. AN EXAMINATION OF ADRENERGIC AXONS AROUND PANCREATIC ARTERIOLES OF THE CAT FOR THE PRESENCE OF ACETYLCHOLINESTERASE BY HIGH RESOLUTION AUTORADIOGRAPHIC AND HISTOCHEMICAL METHODS	15
WESTWOOD, D. A. AND WHALER, B. C. POSTGANGLIONIC PARALYSIS OF THE GUINEA-PIG HYPOGASTRIC NERVE-VAS DEFERENS PREPARATION BY CLOSTRIDIUM BOTULINUM TYPE D TOXIN	21
JANCSÓ, THE LATE N., JANCSÓ-GÁBOR, AURELIA AND SZOLCSANYI, J. THE ROLE OF SENSORY NERVE ENDINGS IN NEUROGENIC INFLAMMATION INDUCED IN HUMAN SKIN AND IN THE EYE AND PAW OF THE RAT	32
CROSSLAND, J. AND SLATER, P. THE EFFECT OF SOME DRUGS ON THE "FREE" AND "BOUND" ACETYLCHOLINE CONTENT OF RAT BRAIN	42
CARO, G. DE, ENDEAN, R., ERSPAMER, V. AND ROSEGHINI, M. OCCURRENCE OF CAERULEIN IN EXTRACTS OF THE SKIN OF Hyla caerulea AND OTHER AUSTRALIAN HYLIDS	48
BERTACCINI, G., CARO, G. DE, ENDEAN, R., ERSPAMER, V. AND IMPICCIATORE, M. THE ACTION OF CAERULEIN ON THE SYSTEMIC ARTERIAL BLOOD PRESSURE OF SOME EXPERIMENTAL ANIMALS	59
BUSHBY, S. R. M. AND HITCHINGS, G. H. TRIMETHOPRIM, A SULPHONAMIDE POTENTIATOR	72
JOHANSSON, O., PERRAULT, G., SAVOIE, L. AND TUCHWEBER, B. ACTION OF VARIOUS METALLIC CHLORIDES ON CALCAEMIA AND PHOSPHATAEMIA	91
LUNDBORG, P. AND STITZEL, R. E. STUDIES ON THE RELATIONSHIP BETWEEN ADRENERGIC NERVE FUNCTION AND GRANULAR UPTAKE MECHANISMS	98
FREWIN, D. B. AND WHELAN, R. F. THE MECHANISM OF ACTION OF TYRAMINE ON THE BLOOD VESSELS OF THE FOREARM IN MAN	105
NORRIS, H. THE TIME COURSE OF BARBITURATE ACTION IN MAN INVESTIGATED BY MEASUREMENT OF SMOOTH TRACKING EYE MOVEMENT	117
SKINNER, ANNETTE AND SPECTOR, R. G. THE EFFECT OF CHLORPROMAZINE ON ¹⁴ C-GLUCOSE METABOLISM IN MOUSE LIVER AND BRAIN	129
LOCKETT, MARY F. AND NICHOLAS, T. E. THE EFFECTS OF HYDROCHLOROTHIAZIDE AND FRUSEMIDE ON NORADRENALINE SENSITIVITY AND BLOOD PRESSURE OF SALT-LOADED RATS BEFORE AND AFTER NEPHRECTOMY	136
FLACKE, W. AND YEOH, T. S. THE ACTION OF SOME CHOLINERGIC AGONISTS AND ANTICHOLINESTERASE AGENTS ON THE DORSAL MUSCLE OF THE LEECH	145
FLACKE, W. AND YEOH, T. S. DIFFERENTIATION OF ACETYLCHOLINE AND SUCCINYLCHOLINE RECEPTORS IN LEECH MUSCLE	154
AMBACHE, N. AND BRUMMER, HILARY C. A SIMPLE CHEMICAL PROCEDURE FOR DISTINGUISHING E FROM F PROSTAGLANDINS, WITH APPLICATION TO TISSUE EXTRACTS	162
BARNETT, A., GREENHOUSE, D. D. AND TABER, R. I. A NEW TYPE OF DRUG ENHANCEMENT: INCREASED MAXIMUM RESPONSE TO CUMULATIVE NORADRENALINE IN THE ISOLATED RAT VAS DEFERENS	171
RADWAN, A. G. AND WEST, G. B. THE EFFECT OF AMINOGUANIDINE, HISTAMINE, CHLORPROMAZINE AND ANTIBACTERIAL AGENTS ON HISTIDINE DECARBOXYLASE IN THE STOMACH OF THE RAT	177
BARTLET, A. L. ACTIONS OF 5-HYDROXYTRYPTAMINE AND HISTAMINE ON THE NEURAL STRUCTURES AND MUSCULARIS MUCOSAE OF THE GUINEA-PIG OESOPHAGUS	184
RADWAN, A. G. AND WEST, G. B. THE EFFECT OF NON-STEROIDAL ANTI-INFLAMMATORY DRUGS ON HISTAMINE FORMATION IN THE RAT	193
McEWEN, J. E. THE PRESSOR EFFECT OF LARGE DOSES OF PHYSOSTIGMINE ON THE PITHED RAT	199
PROCEEDINGS OF THE BRITISH PHARMACOLOGICAL SOCIETY, CARDIFF, MARCH 28-29, 1968	203

PEARSON, JAMES E. JR. AND WILLIAMS, RONALD. L. ANALYSIS OF DIRECT RENAL ACTIONS OF ALPHA AND BETA ADRENERGIC STIMULATION UPON SODIUM EXCRETION COMPARED TO ACETYLCHOLINE	223
VIDAL-BERETERVIDE, K. PHARMACOLOGICAL ACTIONS OF PSEUDOSCOPINE AND SOME OF ITS DERIVATIVES	242
COX, B. M., GINSBURG, M. AND OSMAN, O. H. ACUTE TOLERANCE TO NARCOTIC ANALGESIC DRUGS IN RATS	245
LIPPMANN, W. AND WISHNICK, M. ASPECTS OF THE BIOGENIC AMINE-DEPLETING ACTIVITY OF ETHYL-3-ACETAMIDO-4H-PYRROLO-(3,4-C)ISOXAZOLE-5(6H)-CARBOXYLATE IN THE RAT	257
KOSTERLITZ, H. W. AND WATT, A. J. KINETIC PARAMETERS OF NARCOTIC AGONISTS AND ANTAGONISTS, WITH PARTICULAR REFERENCE TO <i>N</i> -ALLYLNOROXYMORPHONE (NALOXONE)	266
PATON, D. M. CATION AND METABOLIC REQUIREMENTS FOR RETENTION OF METARAMINOL BY RAT UTERINE HORNS	277
RAND, M. J. AND TRINKER, FEDORA R. THE MECHANISM OF THE AUGMENTATION OF RESPONSES TO INDIRECTLY ACTING SYMPATHOMIMETIC AMINES BY MONOAMINE OXIDASE INHIBITORS	287
ANKIER, S. I. AND WEST, G. B. INHIBITION OF THE ANAPHYLACTOID REACTION IN RATS	304
MCQUEEN, E. G. COMPARISON OF TISSUE FLUID AND PLASMA CONCENTRATIONS OF A PROTEIN-BOUND DRUG SULPHORMETHOXINE BY <i>IN VIVO</i> DIALYSIS IN RATS	312
DYBALL, R. E. J. STIMULI FOR THE RELEASE OF NEUROHYPOPHYSIAL HORMONES	319
DYBALL, R. E. J. THE EFFECTS OF DRUGS ON THE RELEASE OF VASOPRESSIN	329
EVERETT, SALLY D. PHARMACOLOGICAL RESPONSES OF THE ISOLATED INNERVATED INTESTINE AND RECTAL CAECUM OF THE CHICK	342
FOSTER, R. W. A CORRELATION BETWEEN INHIBITION OF THE UPTAKE OF ³ H FROM (±)- ³ H-NORADRENALINE AND POTENTIATION OF THE RESPONSES TO (−)-NORADRENALINE IN THE GUINEA-PIG ISOLATED TRACHEA	357
BERTELS-MEEUWS, MARIA M. AND POLAK, R. L. INFLUENCE OF ANTIMUSCARINIC SUBSTANCES ON IN VITRO SYNTHESIS OF ACETYLCHOLINE BY RAT CEREBRAL CORTEX	368
CARSWELL, F., HAINSWORTH, R. AND LEDSOME, J. R. THE USE OF REGIONAL HEPARINIZATION FOR PERFUSION OF THE KIDNEY IN SITU	381
MILLER, DARLENE A., PENDLETON, R. G. AND RICHMOND, ANNE T. CARDIAC EFFECTS OF VAGAL STIMULATION IN THE ANAESTHETIZED CAT	390
BARRON, D. I., COPLEY, ANN R. AND VALLANCE, D. K. ANTI-INFLAMMATORY AND RELATED PROPERTIES OF 4-(P-BIPHENYL)-3-HYDROXYBUTYRIC ACID (BDH 7538)	396
BARTLET, A. L. 5-HYDROXYTRYPTAMINE AND ENTEROCHROMAFIN CELLS IN THE OVINE BILIARY MUCOSA DURING FASCOLIASIS	408

ARYA, P. C. AND GULATI, O. D. CHOLINERGIC LINK HYPOTHESIS AND SYMPATHETIC TRANSMISSION AT THE NICITATING MEMBRANE OF THE DOG	413
PHILLIS, J. W., TEBĚCIS, A. K. AND YORK, D. H. HISTAMINE AND SOME ANTIHISTAMINES: THEIR ACTIONS ON CEREBRAL CORTICAL NEURONES	426
ASHCROFT, G. W., CRAWFORD, T. B. B., DOW, R. C. AND GULDBERG, H. C. HOMOVANILLIC ACID, 3,4-DIHYDROXYPHENYLACETIC ACID AND 5-HYDROXYINDOL-3-YLACETIC ACID IN SERIAL SAMPLES OF CEREBROSPINAL FLUID FROM THE LATERAL VENTRICLE OF THE DOG	441
GULDBERG, H. C. AND YATES, CELIA M. SOME STUDIES OF THE EFFECTS OF CHLORPROMAZINE, RESERPINE AND DIHYDROXYPHENYLALANINE ON THE CONCENTRATIONS OF HOMOVANILLIC ACID, 3,4-DIHYDROXYPHENYLACETIC ACID AND 5-HYDROXYINDOL-3-YLACETIC ACID IN VENTRICULAR CEREBROSPINAL FLUID OF THE DOG USING THE TECHNIQUE OF SERIAL SAMPLING OF THE CEREBROSPINAL FLUID	457
GRAHN, B. AND ROSENGREN, ELSA. ADRENALINE INDUCED ACCELERATION OF HISTAMINE FORMATION IN VITRO, STUDIED BY TWO ISOTOPIC METHODS	472
DRAKONTIDES, ANNA B. AND GERSHON, MICHAEL D. 5-HYDROXYTRYPTAMINE RECEPTORS IN THE MOUSE DUODENUM	480
KAHLSON, G., ROSENGREN, ELSA AND SVENSSON, S. E. MODE OF ACTION OF A GASTRIC-SECRETION ANTAGONIST	493
ROTHSCHILD, A. M. SOME PHARMACODYNAMIC PROPERTIES OF CELLULOSE SULPHATE, A KININOGEN-DEPLETING AGENT IN THE RAT	501
SILVERSTONE, J. T. AND STUNKARD, A. J. THE ANORECTIC EFFECT OF DEXAMPHETAMINE SULPHATE	513
HASAN, S. H. AND HELLER, H. THE CLEARANCE OF NEUROHYPOPHYSIAL HORMONES FROM THE CIRCULATION OF NON-MAMMALIAN VERTEBRATES	523
BARTLET, A. L. AND HASSAN, T. THE ACTION OF PHYSOSTIGMINE AND THE DISTRIBUTION OF CHOLIN-ESTERASES IN THE CHICKEN OESOPHAGUS	531
ROSENTHAL, S. M. CHEMOTHERAPY OF PSEUDOMONAS SEPTICAEMIA IN BURNED MICE: SYSTEMIC THERAPY WITH STREPTOMYCIN AND SULPHONAMIDES	537
BANERJEE, U., BURKS, T. F., FELDBERG, W. AND GOODRICH, CECILIE A. TEMPERATURE EFFECTS AND CATALEPSY PRODUCED BY MORPHINE INJECTED INTO THE CEREBRAL VENTRICLES OF RABBITS	544
CHAHN, LORIS A. AND O'DONNELL, STELLA R. THE ACTIONS OF ORCIPRENALINE AND PROTOKYLOL ON GUINEA-PIG TRACHEA	552
JAANUS, S. D., MIELE, E. AND RUBIN, R. P. THE ACTION OF GUANETHIDINE ON THE ADRENAL MEDULLA OF THE CAT	560
SVENSSON, S.-E. AND WETTERQVIST, H. NICOTINE-INDUCED ALTERATIONS IN HISTAMINE METABOLISM IN THE RAT	570
INDEX	576