

CONTENTS

	No. 1. <i>May</i> , 1967	PAGE
BRITISH PHARMACOLOGICAL SOCIETY		1
GUTMAN, Y. AND WEIL-MALHERBE, H. SUBCELLULAR DISTRIBUTION OF NORADRENALINE AFTER COLD EXPOSURE		4
BLANE, G. F., BOURA, A. L. A., FITZGERALD, A. E. AND LISTER, R. E. ACTIONS OF ETORPHINE HYDROCHLORIDE (M99). A POTENT MORPHINE-LIKE AGENT		11
BENFEY, B. G., GREEFF, K. AND HEEG, E. EVALUATION OF SYMPATHETIC BETA-RECEPTOR BLOCKADE BY RECORDING THE RATE OF VENTRICULAR PRESSURE RISE IN CATS		23
MARTIN, B. K. THEORETICAL CONSIDERATIONS RELATING TO THE AMOUNT OF DRUG REABSORBED BY THE RENAL TUBULES		30
GOKHALE, S. D., GULATI, O. D. AND PANCHAL, D. I. AN ANALYSIS OF THE SYMPATHOMIMETIC EFFECTS OF ACETYLCHOLINE ON THE RAT ILEUM		35
HUGHES, J. AND VANE, J. R. AN ANALYSIS OF THE RESPONSES OF THE ISOLATED PORTAL VEIN OF THE RABBIT TO ELECTRICAL STIMULATION AND TO DRUGS		46
CLINESchmidt, V. AND HORITA, A. AUTO-POTENTIATION AND POTENTIATION BY INHIBITION OF MONOAMINE OXIDASE OF THE SYMPATHOMIMETIC ACTION OF PHENELZINE AND PHENIPRAZINE		67
GILLESPIE, J. S. AND MUIR, T. C. A METHOD OF STIMULATING THE COMPLETE SYMPATHETIC OUTFLOW FROM THE SPINAL CORD TO BLOOD VESSELS IN THE PITHED RAT		78
GILLESPIE, J. S. AND MUIR, T. C. THE ORIGIN OF THE DECLINE IN THE VASOPRESSOR RESPONSE TO INFUSED NORADRENALINE IN THE PITHED RAT		88
GILLESPIE, J. S. AND MUIR, T. C. THE EFFECT OF INFUSING NORADRENALINE OR OF STIMULATING THE SYMPATHETIC NERVES ON THE BLOOD PRESSURE RESPONSE TO INDIRECT SYMPATHOMIMETICS		99
BRUNNER, H., HEDWALL, P. R., MAITRE, L. AND MEIER, M. ANTI-HYPERTENSIVE EFFECTS OF ALPHA-METHYLATED CATECHOLAMINE ANALOGUES IN THE RAT		108
BRUNNER, H., HEDWALL, P. R. AND MEIER, M. INFLUENCE OF ADRENERGIC BETA-RECEPTOR BLOCKADE ON THE ACUTE CARDIOVASCULAR EFFECTS OF HYDRALAZINE		123
RUGSTAD, H. E. PURIFICATION OF A KININ-INACTIVATING ENZYME FROM CULTURES OF PSEUDOMONAS AERUGINOSA		134
CIOFALO, F., LEVITT, B. AND ROBERTS, J. SOME FACTORS AFFECTING OUABAIN-INDUCED VENTRICULAR ARRHYTHMIA IN THE RESERPINE-TREATED CAT		143
FIELDEN, R. AND GREEN, A. L. A COMPARATIVE STUDY OF THE NORADRENALINE-DEPLETING AND SYMPATHETIC-BLOCKING ACTIONS OF GUANETHIDINE AND (—)- β -HYDROXYPHENETHYLGUANIDINE		155
BLANE, G. F. AND DOBBS, H. E. DISTRIBUTION OF TRITIUM-LABELLED ETORPHINE (M99) AND DIHYDROMORPHINE IN PREGNANT RATS AT TERM		166
CARROLL, P. R. AND STARMER, G. A. STUDIES ON THE PHARMACOLOGY OF CONOPHARYNGINE, AN INDOLE ALKALOID OF THE VOACANGA SERIES		173
INOUE, F. AND FRANK, G. B. EFFECTS OF ETHYL ALCOHOL ON EXCITABILITY AND ON NEUROMUSCULAR TRANSMISSION IN FROG SKELETAL MUSCLE		186
BAMFORD, D. G., BIGGS, D. F., DAVIS, M. AND PARNELL, E. W. NEUROMUSCULAR BLOCKING PROPERTIES OF STEREOISOMERIC ANDROSTANE-3,17-BISQUATERNARY AMMONIUM SALTS		194

DŽOLJIĆ, M. STIMULATORY EFFECT OF TOLAZOLINE ON SMOOTH MUSCLE	203
CHANG, C. C., CHANG, J. C. AND SU, C. Y. STUDIES ON THE INTERACTIONS OF GUANETHIDINE AND BRETYLIUM WITH NORADRENALINE STORES	213
DAVE, K. C. AND SACHDEV, K. S. THE EFFECT OF ANAPHYLACTIC SHOCK AND PREDNISOLONE ADMINISTRA- TION ON THE HISTAMINOLYTIC ACTIVITY OF GUINEA-PIG LIVER	224
BURKS, T. F. AND LONG, J. P. RELEASE OF 5-HYDROXYTRYPTAMINE FROM ISOLATED DCG INTESTINE BY NICOTINE	229
OLIVARES, G. J., SMITH, N. T. AND ARONOW, L. EFFECT OF PROPRANOLOL ON ALPHA-ADRENERGIC BLOCKADE IN THE DCG AND ISOLATED RABBIT AORTIC STRIP	240
BROWN, IRENE L. AND MEWALDT, L. R. EFFECTS OF RESERPINE ON THE WHITE-CROWNED SPARROW (ZONOTRICHIA LEUCOPHRYX GAMBELII)	251
SHILLITO, ELIZABETH E. THE EFFECT OF CHLORPROMAZINE AND THIORIDAZINE ON THE EXPLORATION OF A Y-MAZE BY RATS	258
FRAY, R. JR., AND LEADERS, F. E. DEMONSTRATION OF SEPARATE ADRENERGIC AND CHOLINERGIC FIBRES TO THE VESSELS OF THE REAR QUARTERS OF THE RAT BY HEMICHOLINIUM AND A PROPOSED ROLE IN PERIPHERAL VASCULAR REGULATION	265
JOHNSTON, MARIAN AND KAHLSON, G. EXPERIMENTS ON THE INHIBITION OF HISTAMINE FORMATION IN THE RAT	274
COLLIER, H. O. J. AND JAMES, G. W. L. HUMORAL FACTORS AFFECTING PULMONARY INFLATION DURING ACUTE ANAPHYLAXIS IN THE GUINEA-PIG IN VIVO	283
BAILE, CLIFTON A. AND MEINARDI, HARRY. ACTION OF SUBSTANCE P ON THE CENTRAL NERVOUS SYSTEM OF A GOAT	302
SMART, J. V., SNEDDON, J. M. AND TURNER, P. A COMPARISON OF THE EFFECTS OF CHLORPHENTERMINE, DIETHYLPROPION AND PHENMETRAZINE ON CRITICAL FLICKER FREQUENCY	307
KUSCHINSKY, K., LAHRTZ, H., LÜLLMANN, H. AND VAN ZWIETEN, P. A. ACCUMULATION AND RELEASE OF ³ H-DIGOXIN BY GUINEA-PIG HEART MUSCLE	317
BESSER, G. M. AUDITORY FLUTTER FUSION AS A MEASURE OF THE ACTIONS OF CENTRALLY ACTING DRUGS: MODIFICATION OF THE THRESHOLD FOR FUSION AND THE INFLUENCE OF ADAPTING STIMULI	329
BESSER, G. M. AND DUNCAN, CATHERINE. THE TIME COURSE OF ACTION OF SINGLE DOSES OF DIAZEPAM CHLORPROMAZINE AND SOME BARBITURATES AS MEASURED BY AUDITORY FLUTTER FUSION AND VISUAL FLICKER FUSION THRESHOLDS IN MAN	341
AGARWAL, S. L. AND BOSE, D. A STUDY OF THE ROLE OF BRAIN CATECHOLAMINES IN DRUG INDUCED TREMOR	349
CHILD, K. J. AND DODDS, M. G. NEPHRON TRANSPORT AND RENAL TUBULAR EFFECTS OF CEPHALORIDINE IN ANIMALS	354
EMMELIN, N. AND HOLMBERG, J. THE PRESENCE OF BETA-RECEPTORS IN THE SUBMAXILLARY GLAND OF THE DCG	371
LUNDBERG, P. AND STITZEL, R. E. EFFECT OF RESERPINE AND PROTRIPTYLINE ON THE SUBCELLULAR DISTRIBUTION OF ³ H-METARAMINOL IN THE MOUSE HEART	379
HODGES, J. R. AND SADOW, JANET. IMPAIRMENT OF PITUITARY ADRENOCORTICOTROPHIC FUNCTION BY CORTICOSTERONE IN THE BLOOD	385
RADWAN, A. G. AND WEST, G. B. ALTERATIONS IN HISTIDINE DECARBOXYLASE ACTIVITY DURING ANAPHYLACTIC SHOCK IN THE RAT	392
KEARY, ELIZABETH M. AND MAXWELL, D. R. A COMPARISON OF THE EFFECTS OF CHLORPROMAZINE AND SOME RELATED PHENOTHIAZINES IN REDUCING THE RIGIDITY OF THE DECEREBRATE CAT AND IN SOME OTHER CENTRAL ACTIONS	400
FERREIRA, S. H. AND VANE, J. R. THE DISAPPEARANCE OF BRADYKININ AND ELEDOSIN IN THE CIRCULATION AND VASCULAR BEDS OF THE CAT	417
RUGSTAD, H. E. CHARACTERIZATION OF A PLASMA KININ-INACTIVATING ENZYME PRODUCED BY PSEUDOMONAS AERUGINOSA	425
BELL, C. EFFECTS OF EXOGENOUS CHOLINE ON ADRENERGIC RESPONSES OF THE GUINEA-PIG VAS DEFERENS	436

GOKHALE, S. D., GULATI, O. D. AND KELKAR, V. V. SUPERSENSITIVITY TO CATECHOLAMINES FOLLOWING GUANETHIDINE	445
BRAND, J. J., COLQUHOUN, W. P., GOULD, A. H. AND PERRY, W. L. M. (—)-HYOSCINE AND CYCLIZINE AS MOTION SICKNESS REMEDIES	463
BHAGAT, B., ROBINSON, INA M. AND WEST, W. L. MECHANISM OF SYMPATHOMIMETIC RESPONSES OF ISOLATED GUINEA PIG ATRIA TO NICOTINE AND DIMETHYLPHENYLPIPERAZINIUM IODIDE	470
BLANE, G. F. OXYGEN CONSUMPTION IN THE NEW-BORN RAT AND THE EFFECTS OF MATERNALLY ADMINISTERED ANALGESICS	478
GRAYSON, J., IRVINE, MONA AND PARRATT, J. R. THE EFFECTS OF AMYL NITRITE INHALATION ON MYOCARDIAL BLOOD FLOW AND METABOLIC HEAT PRODUCTION	488
KREJČÍ, I., KUPKOVA, B. AND VÁVRA, I. THE EFFECT OF SOME 2-O-ALKYLTYROSINE ANALGUES OF OXYTOCIN AND LYSINE VASOPRESSIN ON THE BLOOD PRESSURE OF THE RAT, RABBIT, AND CAT	497
KREJČÍ, I., POLÁČEK, I. AND RUDINGER, J. THE ACTION OF 2-O-METHYLTYROSINE-OXYTOCIN ON THE RAT AND RABBIT UTERUS: EFFECT OF SOME EXPERIMENTAL CONDITIONS ON CHANGE FROM AGONISM TO ANTAGONISM	506
WALSH, J. A. ANTAGONISM BY METHYSERGIDE OF VASCULAR EFFECTS OF 5-HYDROXYTRYPTAMINE IN MAN	518
GREGORIO, G. J. DI AND DIPALMA, J. R. SOME PHARMACOLOGICAL ACTIONS OF 2-PHENYLQUINOLINE METHIODIDE	531
GILLIS, C. N. AND SCHNEIDER, F. H. FREQUENCY-DEPENDENT POTENTIATION BY VARIOUS DRUGS OF THE CHRONOTROPIC RESPONSE OF ISOLATED CAT ATRIA TO SYMPATHETIC NERVE STIMULATION	541
GAITONDÉ, B. B., JOGLEKAR, S. N. AND SHALIGRAM, S. V. THE HYPERGLYCAEMIC ACTION OF SODIUM SALICYLATE	554
BRICK, I., HUTCHINSON, K. J. AND RODDIE, I. C. THE VASODILATOR PROPERTIES OF NORADRENALINE IN THE HUMAN FOREARM	561
HORTON, E. W. AND MAIN, I. H. M. FURTHER OBSERVATIONS ON THE CENTRAL NERVOUS ACTIONS OF PROSTAGLANDINS F _{2α} AND E ₁	568
HORTON, E. W. AND MAIN, I. H. M. IDENTIFICATION OF PROSTAGLANDINS IN CENTRAL NERVOUS TISSUES OF THE CAT AND CHICKEN	582
BENFEY, B. G. AND VARMA, D. R. INTERACTIONS OF SYMPATHOMIMETIC DRUGS, PROPRANOLOL AND PHENTOLAMINE, ON ATRIAL REFRACTORY PERIOD AND CONTRACTILITY	603
DOUGLAS, W. W. AND KANNO, T. THE EFFECT OF AMETHOCAINE ON ACETYLCHOLINE-INDUCED DEPOLARIZATION AND CATECHOLAMINE SECRETION IN THE ADRENAL CHROMAFFIN CELL	612
SHARMAN, D. F. A DISCUSSION OF THE MODES OF ACTION OF DRUGS WHICH INCREASE THE CONCENTRATION OF 4-HYDROXY-3-METHOXYPHENYLACETIC ACID (HOMOVANILIC ACID) IN THE STRIATUM OF THE MOUSE	620
KESSLER, H. J., NAUMANN, P. AND KEMPF, J. LINCOMYCIN SERUM AND BONE LEVELS IN THE RAT	627
DAY, M. D. THE LACK OF CROSSED TACHYPHYLAXIS BETWEEN TYRAMINE AND SOME OTHER INDIRECTLY ACTING SYMPATHOMIMETIC AMINES	631
KERKUT, G. A. AND WALKER, R. J. THE ACTION OF ACETYLCHOLINE, DOPAMINE AND 5-HYDROXYTRYPTAMINE ON THE SPONTANEOUS ACTIVITY OF THE CELLS OF RETZIUS OF THE LEECH, HIRUDO MEDICINALIS	644
STASZEWSKA-BARCZAK, JANINA AND VANE, J. R. THE RELEASE OF CATECHOLAMINES FROM THE ADRENAL MEDULLA BY PEPTIDES	655
KAYAALP, S. O. AND TÜRKER, R. K. FURTHER OBSERVATIONS ON THE PRESSOR ACTION OF PROPRANOLOL	668
EMMELIN, N. AND LENNINGER, S. THE "DIRECT" EFFECT OF PHYSALAEMIN ON SALIVARY GLAND CELLS	676
INDEX	681