

British Journal of Pharmacology

page

Systematic Pharmacology

- 481 EDERY, H. & GUERTZENSTEIN, P.G. A central vasodepressor effect of dyflos (SP1, AP1)
- 489 GRIFFITHS, P.J., LITTLETON, J.M. & ORTIZ, A. Changes in monoamine concentrations in mouse brain associated with ethanol dependence and withdrawal (SP2, DM1)
- 499 STEVENSON, I.H. & TURNBULL, M.J. A study of the factors affecting the sleeping time following intracerebroventricular administration of pentobarbitone sodium: effect of prior administration of centrally active drugs (SP2, DM2)
- 513 DHUMAL, V.R., GULATI, O.D., RAGHUNATH, P.R. & SIVARAMAKRISHNA, N. Analysis of the effects of body temperature of intracerebroventricular injection in anaesthetized dogs of gamma-aminobutyric acid (SP2)

Autopharmacology

- 525 AWAD, S.A., BRUCE, A.W., CARRO-CIAMPI, G., DOWNIE, J.W., LIN, M. & MARKS, G.S. Distribution of α - and β -adrenoceptors in human urinary bladder (AP1, DM2)
- 531 FOZARD, J.R. & MUSCHOLL, E. Atropine-resistant effects of the muscarinic agonists McN-A-343 and AHR 602 on cardiac performance and the release of noradrenaline from sympathetic nerves of the perfused rabbit heart (AP1, PK3, SP1)
- 543 FERREIRA, S.H. & VARGAFTIG, B.B. Inhibition by non-steroid anti-inflammatory agents of rabbit aorta contracting activity generated in blood by slow reacting substance C (AP2)
- 553 GAGNON, D.J., GAUTHIER, R. & REGOLI, D. Release of prostaglandins from the rabbit perfused kidney: effects of vasoconstrictors (AP2, SP3)
- 559 McQUEEN, D.S. The effects of some prostaglandins on respiration in anaesthetized cats (AP2, SP3)

Pharmacokinetics

- 569 HULME, MARILYN E. & WESTON, A.H. The accumulation of adenosine in rabbit intestinal muscle (PK3, DM1, DM2)

Drug Mechanisms

- 575 FURMAN, B.L. The hypoglycaemic effect of 5-hydroxytryptophan (DM1)
- 581 BENFEY, B.G., COHEN, J., KUNOS, G. & VERMES-KUNOS, I. Dissociation of 5-hydroxytryptamine effects on myocardial contractility and cyclic AMP accumulation (DM1, AP2)

Clinical Pharmacology

- 587 BLACKWELL, E.W., BRIANT, R.H., CONOLLY, M.E., DAVIES, D.S. & DOLLERY, C.T. Metabolism of isoprenaline after aerosol and direct intrabronchial administration in man and dog (CP, PK2)

Psychopharmacology

- 593 CHESHER, G.B., JACKSON, D.M. & STARMER, G.A. Interaction of cannabis and general anaesthetic agents in mice (PP, SP2, DM2)

SHORT COMMUNICATIONS

- 601 LABAL, S.E., POLA, J.L., MARTINEZ SEEBER, A. & TAQUINI, A.C., JR. The mechanism of renin release from the ischaemic kidney (AP3)
603 SHAW, G.G. Some shortcomings of direct intraventricular injection in mice (SP2)
606 ABBS, E.T. & PYCOCK, C.J. The effect of bretylium on endogenous and newly-synthesized noradrenaline in the microsomal fraction of rat heart (DM1, AP1, SP1)
609 HULME, MARILYN E. & WESTON, A.H. Some effects of dipyridamole, hexobendine and lidoflazine on inhibitory processes in rabbit duodenum (DM2, PK3, AP1)

Systematic Pharmacology

- SP1 Cardiovascular system
SP2 Central nervous system
SP3 Other physiological systems

Pharmacokinetics

- PK1 Storage, distribution, fate
PK2 Synthesis, metabolism
PK3 Uptake, release

CP **Clinical Pharmacology,
Experimental Therapy**

CT **Chemotherapy**

M **Miscellaneous**

Autopharmacology

- AP1 Adrenergic, cholinergic
transmission
AP2 Histamine, kinins, prosta-
glandins, etc.
AP3 Hormones

Drug Mechanisms

- DM1 Molecular, cellular,
biochemical, biophysical
DM2 Receptors, antagonism,
potentiation, tolerance

PM **Pharmacometrics**

PP **Psychopharmacology**

TX **Toxicology**

British Journal of Pharmacology

CONTENTS

VOLUME 50 NUMBER 1 JANUARY 1974

page

3 INSTRUCTIONS TO AUTHORS

Systematic Pharmacology

- 25 COBBIN, L.B., EINSTEIN, ROSEMARIE & MAGUIRE, M. HELEN. Studies on the coronary dilator actions of some adenosine analogues. (SP1, DM1)
- 35 MAXWELL, D.R., READ, M.A. & SUMPTER, EILEEN A. Pharmacology of M & B 18,706, a drug which selectively reduces decerebrate rigidity. (SP2)
- 47 BRADLEY, P.B. & DRAY, A. Morphine and neurotransmitter substances: microiontophoretic study in the rat brain stem. (SP2)
- 57 JHAMANDAS, K. & SUTAK, M. Modification of brain acetylcholine release by morphine and its antagonists in normal and morphine-dependent rats. (SP2, DM2)

Autopharmacology

- 63 FURNESS, J.B. Transmission to the longitudinal muscle of the guinea-pig vas deferens: the effect of pretreatment with guanethidine. (AP1)
- 69 KOKETSU, K. & YAMAMOTO, K. Effects of lithium ions on electrical activity in sympathetic ganglia of the bullfrog. (AP1, DM1)
- 79 LEES, G.M. & WALLIS, D.I. Hyperpolarization of rabbit superior cervical ganglion cells due to activity of an electrogenic sodium pump. (AP1, DM1)
- 95 BENTLEY, G.A. Studies on the tachyphylaxis to nicotinic stimulant drugs in the perfused hypogastric ganglion of the guinea-pig. (AP1, DM1, DM2)
- 109 GILLESPIE, J.S. & McGRATH, J.C. The response of the cat anococcygeus muscle to nerve or drug stimulation and a comparison with the rat anococcygeus. (AP1, PK3, DM2)
- 119 BOTTING, J.H. & SALZMANN, R. The effect of indomethacin on the release of prostaglandin E₂ and acetylcholine from guinea-pig isolated ileum at rest and during field stimulation. (AP2, AP1)
- 125 VAN DONGEN, R. & PEART, W.S. Calcium dependence of the inhibitory effect of angiotensin on renin secretion in the isolated perfused kidney of the rat. (AP3, DM1)

Drug Mechanisms

- 131 GREY, D. & ULLMANN, ELISABETH. The influence of anaesthetics on the increase in the water permeability of the toad bladder induced by vasopressin. (DM1, DM2, AP3)
- 137 GARLAND, L.G. & MONGAR, J.L. Inhibition by cromoglycate of histamine release from rat peritoneal mast cells induced by mixtures of dextran, phosphatidyl serine and calcium ions. (DM2, AP2)
- 145 BURGÉN, A.S.V., HILEY, C.R. & YOUNG, J.M. The binding of [³H]-propylbenzylcholine mustard by longitudinal muscle strips from guinea-pig small intestine. (DM2, PK3)

SHORT COMMUNICATIONS

- 153 STURMAN, GILLIAN. Interaction between piperazine and chlorpromazine. (SP2, DM2)
- 156 BERRIDGE, T.L. & SHARMAN, D.F. The effect of tranquillizing drugs on the concentration of the sulphate ester of 4-hydroxy-3-methoxyphenylethane-1,2-diol in rat brain. (SP2, DM2)
- 159 HART, S.L. The actions of prostaglandins E₂ and F_{2α} on human foetal intestine. (AP2)

VOLUME 50 NUMBER 2 FEBRUARY 1974

page

- 163 BAKHLE, Y.S., STRAUGHAN, D.W. & WEBSTER, R.A. Second report on the organization of pharmacology in Great Britain

Systematic Pharmacology

- 177 PARRATT, J.R. & STURGESE, R.M. The effect of indomethacin on the cardiovascular and metabolic responses to *E. coli* endotoxin in the cat (SP1, AP2)
- 185 DUPONT, J. & SASSARD, J. Vascular reactivity in spontaneously hypertensive normotensive and hypotensive rats (SP1)
- 189 METCALF, G. The use of stereotactic dissection followed by fluorimetric assay, to determine the distribution of noradrenaline, dopamine and 5-hydroxytryptamine in the preoptic hypothalamic area of rabbit brain: an alternative approach to histochemistry (SP2, AP1)
- 197 CURZON, G. & KNOTT, P.J. Effects on plasma and brain tryptophan in the rat of drugs and hormones that influence the concentration of unesterified fatty acid in the plasma (SP2)

Autopharmacology

- 205 BOWERY, N.G. & BROWN, D.A. Depolarizing actions of γ -aminobutyric acid and related compounds on rat superior cervical ganglia *in vitro* (AP1, DM2)
- 219 HANBAUER, I., JACOBOWITZ, D.M. & KOPIN, I.J. Effects of vinblastine on noradrenergic axons (AP1, PK3)
- 227 BHATTACHERJEE, P. & EAKINS, K.E. Inhibition of the prostaglandin synthetase systems in ocular tissues by indomethacin (AP2)
- 231 THOMAS, G. & WEST, G.B. Prostaglandins, Kinin and inflammation in the rat (AP2)
- 237 McCORMICK, J.T. & SENIOR, JUDITH. Plasma kinin and kininogen levels in the female rat during the oestrous cycle, pregnancy, parturition and the puerperium (AP2)
- 243 GREEN, K.L. Mechanism of the pro-inflammatory activity of sympathomimetic amines in thermic oedema of the rat paw (AP2, DM1)
- 253 ELLIOTT, P.N.C., FORD-HUTCHINSON, A.W. & SMITH, M.J.H. Anti-inflammatory and irritant effects of a fraction from normal human plasma (AP2)

Pharmacokinetics

- 259 RIVERA-CALIMLIM, LEONOR. Absorption, metabolism and distribution of [14 C]-O-methyl dopa and [14 C]-L-dopa after oral administration to rats (PK1, PK2)
- 265 HOELDTKE, R., ROGAWSKI, M. & WURTMAN, R.J. Effect of selective destruction of central and peripheral catecholamine-containing neurones with 6-hydroxydopamine on catecholamine excretion in the rat (PK1, PK2)
- 271 ENNA, S.J. & SHORE, P.A. Differences in amine storage in rat heart and brain (PK1, PK3, AP1)
- 277 ASAAD, M.M. BARRY, III, H., CLARKE, D.E. & DIXIT, B.N. Effect of ethanol on the oxidative metabolism of tryptamine by rat liver homogenate (PK2, DM1)

Drug Mechanisms

- 283 BOND, P.A. & JENNER, F.A. The effect of lithium and related metal ions on the urinary excretion of 2-oxoglutarate and citrate in the rat (DM1)
- 291 PAPADIMITRIOU, A. & WORCEL, M. Dose-response curves for angiotensin II and synthetic analogues in three types of smooth muscle: existence of different forms of receptor sites for angiotensin II (DM2, AP3)

- 299 CARLINI, E.A., KARNIOL, G., RENAULT, P.F. & SCHUSTER, C.R. Effects of marihuana in laboratory animals and in man (PP)

SHORT COMMUNICATIONS

- 311 CLINESCHMIDT, B.V. & LOTTI, V.J. Indoleamine antagonists: relative potencies as inhibitors of tryptamine- and 5-hydroxytryptophan-evoked responses (SP2, DM2, PP)
 314 HERXHEIMER, H. Prostaglandins E₁ and E₂ prevent bronchoconstriction in the guinea-pig (AP2, DM2)
 316 GÖRÖG, P. & KOVÁCS, IREN B. Adenosine triphosphate-induced contractile process in rat lymphocytes and its inhibition by anti-inflammatory agents (DM1)

VOLUME 50 NUMBER 3 MARCH 1974

Systematic Pharmacology

- 323 BASIL, B., JORDAN, R., LOVELESS, A.H. & MAXWELL, D.R. A comparison of the experimental anti-arrhythmic properties of acebutolol (M & B 17,803), propranolol and practolol. (SP1, DM1, AP1)
 335 McDEVITT, D.G., SHANKS, R.G. & SWANTON, J.G. Further observations on the cardiotoxicity of isoprenaline during hypoxia. (SP1)
 345 BRADLEY, P.B. & BRIGGS, I. Further studies on the mode of action of psychotomimetic drugs: antagonism of the excitatory actions of 5-hydroxytryptamine by methylated derivatives of tryptamine. (SP2, DM2)
 355 MAXWELL, D.R. & SUMPTER, EILEEN A. A comparison of the actions of some drugs on decerebrate rigidity, muscle spindle activity and α -adrenoceptors. (SP2, DM2, AP1)

Autopharmacology

- 365 COMMISSIONG, J.W. & SEDGWICK, E.M. A pharmacological study of the adrenergic mechanisms involved in the stretch reflex of the decerebrate rat. (AP1)
 375 CASTANIA, A. & ROTHSCCHILD, A.M. Lowering of kininogen in rat blood by adrenaline and its inhibition by sympatholytic agents, heparin and aspirin. (AP2, AP1, AP3)
 383 HANSON, JENNIFER M., MORLEY, J. & SORIA-HERRERA, C. Anti-inflammatory property of 401 (MCD-peptide), a peptide from the venom of the bee *Apis mellifera* (L.). (AP2, DM1)

Pharmacokinetics

- 393 CORONEOS, N.J., KEANEY, N.P., McDOWALL, D.G., PICKERODT, V.W.A., GLYNN, J.P. & ROBERTSON, A. Distribution of pentazocine in blood and brain of the baboon following intravenous injection. (PK3, SP2)

Drug Mechanisms

- 399 GRUNFELD, Y. & SPIEGELSTEIN, M.Y. Effects of *Gymnodinium breve* toxin on the smooth muscle preparation of guinea-pig ileum. (DM1, AP1)

Clinical Pharmacology

- 405 HARRIS, M., JENKINS, M.V. & WILLS, M.R. Phenytoin inhibition of parathyroid hormone induced bone resorption *in vitro*. (CP, DM1)

- 409 ROBINSON, I.C.A.F. & WALKER, J.M. Bioassay of oxytocin on the superfused mammary gland of the mouse using an automatic apparatus. (PM)

Miscellaneous

- 419 BHOOLA, K.D. & COGDELL, R. Electrophoresis of isolated secretory granules from guinea-pig submaxillary gland. (M)

SHORT COMMUNICATIONS

- 425 HILL, R.G. & MILLER, A.A. Antagonism by folic acid of presynaptic inhibition in the rat cuneate nucleus. (SP2)
428 MARSHALL, I. & SMITH, C.B. Acute and chronic morphine treatment and the hydroxylation of [1-¹⁴C]-L-tyrosine in the mouse brain. (SP2, DM2)
431 CURWAIN, B.P. & ENDERSBY, K. Enhancement of pentagastrin-induced gastric acid secretion by clonidine in the conscious dog. (SP3)
435 VEENENDAAL, G.H. & DE WAAL, M.J. Uncoupling activity of the anthelmintic oxcyclozanide in rodents. (DM1)

PROCEEDINGS OF THE BRITISH PHARMACOLOGICAL SOCIETY
London, 2-4 January 1974

- 439P LUSH, I.E. (introduced by J.R. Hodges). The effect of mescaline on defaecation in seven inbred strains of laboratory mice.
440P DOGGETT, N.S., RENO, H. & SPENCER, P.S.J. The effects of RX 336M and RX 5050M on tests for antidepressant activity in mice.
441P GRIFFITHS, P.J., LITTLETON, J.M. & ORTIZ, A. (introduced by G. Brownlee). Chronic administration of acetaldehyde to mice: behavioural and biochemical similarities with chronic ethanol administration.
441P LITTLETON, J.M. & RYAN, SUSAN M. (introduced by G. Brownlee). Hypothermia produced by inhibitors of catecholamine biosynthesis.
442P GRAHAME-SMITH, D.G. & GREEN, A.R. The role of brain dopamine in the hyperactivity syndrome produced in rats after administration of L-tryptophan and a monoamine oxidase inhibitor.
443P GRAHAME-SMITH, D.G. & GREEN, A.R. The role of brain 5-hydroxytryptamine in the hyperactivity produced in rats by lithium and monoamine oxidase inhibition.
444P DOLLERY, C.T., LEWIS, P.J. MYERS, M.G. & REID, J.L. Mechanism of the early pressor effect of centrally administered propranolol in the conscious rabbit.
445P BEVAN, P., BRADSHAW, C.M. & SZABADI, E. Potentiation and antagonism of neuronal responses to monoamines by methysergide and sotalol.
446P BARASI, S. & ROBERTS, M.H.T. Motoneurone field potential responses to iontophoretically applied 5-hydroxytryptamine.
447P PREMPEH, A.B.A. & PRINCE, A.K. (introduced by G. Brownlee). The effect of morphine on the choline acetyltransferase population of rat caudate nucleus.
447P PRINCE, A.K. & TOATES, P. (introduced by G. Brownlee). The heterogeneity of goldfish brain and muscle choline acetyltransferase.
448P MITCHELL, J.F., TABERNER, P.V. & YATES, R.A. Regional distribution of glutamate and γ -aminobutyric acid and their associated enzymes in the frog central nervous system.
449P ATTERWILL, C.K. & NEAL, M.J. Partial separation of retinal subcellular particles accumulating labelled γ -aminobutyric acid (GABA) at high and low concentrations.
450P DYE, D.J. & TABERNER, P.V. Effects of some clinically used anaesthetics on the enzymes of γ -aminobutyric acid metabolism.
451P COLLINS, G.C.S. & TOPIWALA, S.H. The release of [¹⁴C]-taurine from slices of rat cerebral cortex and spinal cord evoked by electrical stimulation and high potassium ion concentrations.

- 452P GILBERT, J.C., SCOTT, A.K. & WYLLIE, M.G. Effects of ethosuximide on adenosine triphosphatase activities of some subcellular fractions prepared from rat cerebral cortex.
- 453P BENNETT, A. & STOCKLEY, HELEN L. Effect of electrode positions on contractions of guinea-pig isolated ileum to electrical stimulation.
- 454P ANSTEY, MARY D., BIRMINGHAM, A.T. & TOMLINSON, D.R. The noradrenaline concentration and the cholinesterase activity of the separated longitudinal and circular layers of muscle of the guinea-pig vas deferens.
- 455P BENNETT, T. & KEMP, P.A. (introduced by A.T. Birmingham). The *in vitro* effects of vinblastine on the nerve-mediated responses of the guinea-pig vas deferens.
- 456P SMALL, R.C. Activation of intramural inhibitory neurones of the rabbit caecum by nicotine.
- 456P LOEW, D.M. & WAITE, R. (introduced by B. Berde). A quantitative assessment of the effects of clonidine on pre-ganglionic sympathetic nerve activity in the cat.
- 457P HARRY, J.D., KNAPP, M.F. & LINDEN, R.J. Antagonism by ICI 66082 of the effects of electrical stimulation on the right ansa subclavia of the dog.
- 458P HOOPER, M., SPEDDING, M., SWEETMAN, A.J. & WEETMAN, D.F. 2-2' Pyridylisatogen tosylate: an antagonist of the inhibitory effects of ATP on smooth muscle.
- 459P BEDWANI, J.R. & MARLEY, P.B. Increased inactivation of prostaglandin E₂ by the rabbit lung during pregnancy.
- 460P MORTON, I.K.M., SAVERYMUTTU, S.M. & WOOD, J.R. Inhibition by prostaglandins of fluid transport in the isolated gallbladder of the guinea-pig.
- 461P FERREIRA, S.H., MONCADA, S. & VANE, J.R. Potentiation by prostaglandins of the nociceptive activity of bradykinin in the dog knee joint.
- 462P HENSBY, C.N. (introduced by E.W. Horton). Reduction of prostaglandin E₂ to prostaglandin F_{2α} by an enzyme in sheep blood.
- 463P BAKHLE, Y.S. & SMITH, T.W. The nature of the tryptamine receptor mediating spasmogen release from rat isolated lungs.
- 463P ROBINSON, D.A., TAYLOR, J.G. & YOUNG, J.M. (introduced by A.W. Cuthbert). The binding affinity of an alkylating muscarinic agonist: acetylcholine mustard.
- 464P GODWIN, S. & SNEDDON, J.M. Factors contributing to the binding of [³H]-5-hydroxy-tryptamine to butanol extracts of rat brain.
- 465P CUTHBERT, A.W. A two-state (allosteric) model for sodium channels in transporting epithelia.
- 466P HODGES, J.R. & VELLUCCI, SANDRA. The effect of reserpine on pituitary-adrenocortical function in the rat.
- 466P BHOOLA, K.D., DOREY, GUNDULA & JONES, C.W. Oestrogen dependence of enzyme activity and intracellular structure in the hamster submaxillary gland.
- 467P SENIOR, JUDITH & WHALLEY, E.T. Effect of oestrogens and progesterone alone and in combination on the female rat plasma kininogen concentrations.
- 468P LEWIS, A.J., NELSON, D.J. & SUGRUE, M.F. Potentiation by prostaglandin E₁ and arachidonic acid of oedema in the rat paw induced by various phlogogenic agents.
- 469P GORDON, J.L. & MACINTYRE, D.E. Inhibition of collagen-induced platelet aggregation by aspirin.
- 470P HOLLINGSWORTH, M. (introduced by H. Schnieden). The *in vitro* rat cervix.
- 470P NOTT, M.W. & WINSLOW, EILEEN. Effects of quazodine on cat fast- and slow-contracting skeletal muscles.
- 471P ODUMOSU, A. & WILSON, C.W.M. The relationship of ascorbic acid to leptazol-induced convulsions in guinea-pigs.
- 472P COHEN, G.M. & DAVIES, D.S. Uptake of propranolol by the isolated perfused rat liver.
- 473P LÜLLMANN, H.L. & LÜLLMANN-RAUCH, RENATE. Lipidosis-like ultrastructural alterations in rat tissues induced by an antidepressant drug (iprindole).
- 474P GIBSON, A. & POLLOCK, D. The involvement of corticosteroids in the supersensitivity produced in the rat anococcygeus muscle by morphine withdrawal or reserpine.
- 475P JASANI, M.K., LEWIS, G.P. & TWEED, M.F. A new approach for studying the anti-rheumatic activity of indomethacin using the homograft reaction as a model for chronic immunologically-mediated inflammation.

page

- 476P RICHARDSON, P.D.I. (introduced by D.F.J. Mason). Some observations upon the determination of capillary filtration coefficient (CFC) in the innervated small intestine of the anaesthetized cat.
- 477P KIRBY, MARILYN J. & TURNER, P. Effect of fenfluramine and norfenfluramine on glucose uptake by the isolated rat diaphragm.
- 478P ASSEM, E.S.K. The effect of methoxy-derivatives of catecholamines on histamine release from sensitized human leucocytes and its inhibition by the parent compounds.

VOLUME 50 NUMBER 4 APRIL 1974

Systematic Pharmacology

- 481 EDERY, H. & GUERTZENSTEIN, P.G. A central vasodepressor effect of dyflos (SP1, AP1)
- 489 GRIFFITHS, P.J., LITTLETON, J.M. & ORTIZ, A. Changes in monoamine concentrations in mouse brain associated with ethanol dependence and withdrawal (SP2, DM1)
- 499 STEVENSON, I.H. & TURNBULL, M.J. A study of the factors affecting the sleeping time following intracerebroventricular administration of pentobarbitone sodium: effect of prior administration of centrally active drugs (SP2, DM2)
- 513 DHUMAL, V.R., GULATI, O.D., RAGHUNATH, P.R. & SIVARAMAKRISHNA, N. Analysis of the effects of body temperature of intracerebroventricular injection in anaesthetized dogs of gamma-aminobutyric acid (SP2)

Autopharmacology

- 525 AWAD, S.A., BRUCE, A.W., CARRO-CIAMPI, G., DOWNIE, J.W., LIN, M. & MARKS, G.S. Distribution of α - and β -adrenoceptors in human urinary bladder (AP1, DM2)
- 531 FOZARD, J.R. & MUSCHOLL, E. Atropine-resistant effects of the muscarinic agonists McN-A-343 and AHR 602 on cardiac performance and the release of noradrenaline from sympathetic nerves of the perfused rabbit heart (AP1, PK3, SP1)
- 543 FERREIRA, S.H. & VARGAFTIG, B.B. Inhibition by non-steroid anti-inflammatory agents of rabbit aorta contracting activity generated in blood by slow reacting substance C (AP2)
- 553 GAGNON, D.J., GAUTHIER, R. & REGOLI, D. Release of prostaglandins from the rabbit perfused kidney: effects of vasoconstrictors (AP2, SP3)
- 559 McQUEEN, D.S. The effects of some prostaglandins on respiration in anaesthetized cats (AP2, SP3)

Pharmacokinetics

- 569 HULME, MARILYN E. & WESTON, A.H. The accumulation of adenosine in rabbit intestinal muscle (PK3, DM1, DM2)

Drug Mechanisms

- 575 FURMAN, B.L. The hypoglycaemic effect of 5-hydroxytryptophan (DM1)
- 581 BENFEY, B.G., COHEN, J., KUNOS, G. & VERMES-KUNOS, I. Dissociation of 5-hydroxytryptamine effects on myocardial contractility and cyclic AMP accumulation (DM1, AP2)

Clinical Pharmacology

- 587 BLACKWELL, E.W., BRIANT, R.H., CONOLLY, M.E., DAVIES, D.S. & DOLLERY, C.T. Metabolism of isoprenaline after aerosol and direct intrabronchial administration in man and dog (CP, PK2)

Psychopharmacology

- 593 CHESHER, G.B., JACKSON, D.M. & STARMER, G.A. Interaction of cannabis and general anaesthetic agents in mice (PP, SP2, DM2)

SHORT COMMUNICATIONS

- 601 LABAL, S.E., POLA, J.L., MARTINEZ SEEBER, A. & TAQUINI, A.C., JR. The mechanism of renin release from the ischaemic kidney (AP3)
 603 SHAW, G.G. Some shortcomings of direct intraventricular injection in mice (SP2)
 606 ABBS, E.T. & PYCOCK, C.J. The effect of bretylium on endogenous and newly-synthesized noradrenaline in the microsomal fraction of rat heart (DM1, AP1, SP1)
 609 HULME, MARILYN E. & WESTON, A.H. Some effects of dipyridamole, hexobendine and lidoflazine on inhibitory processes in rabbit duodenum (DM2, PK3, AP1)
-

Systematic Pharmacology

- SP1 Cardiovascular system
 SP2 Central nervous system
 SP3 Other physiological systems

Pharmacokinetics

- PK1 Storage, distribution, fate
 PK2 Synthesis, metabolism
 PK3 Uptake, release

- CP **Clinical Pharmacology,
Experimental Therapy**
 CT **Chemotherapy**
 M **Miscellaneous**

Autopharmacology

- AP1 Adrenergic, cholinergic transmission
 AP2 Histamine, kinins, prostaglandins, etc.
 AP3 Hormones

Drug Mechanisms

- DM1 Molecular, cellular biochemical, biophysical
 DM2 Receptors, antagonism, potentiation, tolerance

- PM **Pharmacometrics**
 PP **Psychopharmacology**
 TX **Toxicology**