



MAY 4 1971

NATIONAL INSTITUTES OF HEALTH

BRITISH JOURNAL OF PHARMACOLOGY

Contents

page

Third Gaddum Memorial Lecture

- 571 IVERSEN, L. L. Role of transmitter uptake mechanisms in synaptic neurotransmission. (AP1, PK3)

Systematic Pharmacology

- 592 ANGUS, J. A., COBBIN, L. B., EINSTEIN, ROSEMARIE and MAGUIRE, M. H. Cardiovascular actions of substituted adenosine analogues. (SP1)

Autopharmacology

- 600 POLAK, R. L. Stimulating action of atropine on the release of acetylcholine by rat cerebral cortex *in vitro*. (AP1, SP2)
607 FERRY, C. B. and NORRIS, BERYL. Actions of bretylium tosylate at the neuromuscular junction. (AP1, DM2)
622 CLINESCHMIDT, B. V., GELLER, R. G., GOVIER, W. C., PISANO, J. J. and TANIMURA, T. Effects of ranatensin, a polypeptide from frog skin, on isolated smooth muscle. (AP2, AP1)
629 AMURE, B. O. and OMOLE, A. Comparative study of antral gastrin activity in some mammals. (AP3)
640 HODGES, J. R. and MITCHLEY, SUSAN. Effects of stress and betamethasone on the production of corticosterone by the rat adrenal gland *in vitro*. (AP3)

Pharmacokinetics

- 648 KOLENDA, K.-D., LÜLLMANN, H., PETERS, T. and SEILER, K.-U. Plasma concentration, uptake by liver, and biliary excretion of tritiated cardiac glycosides in the isolated perfused guinea-pig liver. (PK1)
661 KOLENDA, K.-D., LÜLLMANN, H. and PETERS, T. Metabolism of cardiac glycosides studied in the isolated perfused guinea-pig liver. (PK2)

Drug Mechanisms

- 674 MORRISON, J. F. B. and PICKFORD, MARY. Effects of angiotensin and noradrenaline on discharge in fibres of the cervical sympathetic nerve in cats and dogs. (DM1, AP2)
683 POMEROY, A. R. and RAPER, C. Pyrrolizidine alkaloids: actions on muscarinic receptors in the guinea-pig ileum. (DM2, AP1)

Contents-contd.

Psychopharmacology

- 691 CHAN, ONN-LENG and WEBSTER, R. A. Effect of tetrabenazine and α -methyl-*m*-tyrosine on exploratory activity and brain catecholamines in rats. (PP, SP2)
700 CHAN, ONN-LENG and WEBSTER, R. A. Importance of noradrenaline found in a functional pool in maintaining spontaneous locomotor activity in rats. (PP, SP2)

SHORT COMMUNICATIONS

- 709 ABSOLON, K. B., BASHOUR, F. A. and GEUMEI, AIDA. Effect of temperature on the intra-hepatic vasculature. (SP1)
711 BELL, C. Rat superfused aortic strip for the bioassay of noradrenaline and adrenaline. (PM)
713 Index to Volume 41

Systematic Pharmacology

Cardiovascular system SP1
Central nervous system SP2
Other physiological systems SP3

Pharmacokinetics

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

Clinical Pharmacology, Experimental

Therapy CP
Chemotherapy CT
Miscellaneous M

Autopharmacology

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

Drug Mechanisms

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

Pharmacometrics PM
Psychopharmacology PP
Toxicology TX