

Edited for the British Pharmacological Society by

W.D.M. Paton (*Chairman*) H.M. Adam (*Secretary*)
Margaret Day (*Press Editor*)
J.D. Stephenson (*Assistant Press Editor*)

J.M. Barnes	I.H.M. Main
A.M. Barrett	E.K. Matthews
P.B. Bradley	J.F. Mitchell
D.A. Brown	P.A. Nasmyth
F. de Matteis	M.W. Parkes
C.T. Dollery	Mary Pickford
V. Eisen	H.P. Rang
W.S. Feldberg	M. Sandler
E.W. Gill	A.P. Silverman
A.F. Green	M.A. Simmonds
D.F. Hawkins	A.D. Smith (co-opted)
Margarethe Holzbauer	F.M. Sullivan
D.B. Hope	A. Ungar
J.S. Kelly	R.A. Webster
G.P. Lewis	

Papers will be considered for publication on all aspects of drug action, including chemotherapy.

Manuscripts (two copies) should be sent to Dr H.M. Adam, Department of Pharmacology, University of Edinburgh Medical School, 1 George Square, Edinburgh EH8 9JZ, from whom copies of the instructions to authors, published in volume 50 (pages 3-23) of the journal, may also be obtained.

The *British Journal of Pharmacology* is published monthly by Macmillan Journals Ltd, 4 Little Essex Street, London WC2R 3LF.

Annual subscription £26.50 (£32.00 USA & Canada).

(Payment may be made in any currency at the current exchange rate. Orders must be accompanied by remittance. Prices applicable only to subscriptions started before 31st December 1974.)

Cheques should be made payable to Macmillan Journals Ltd, Subscription Department, Brunel Road, Basingstoke, Hampshire, RG21 2XS, England.

Enquiries concerning advertising space and rates should be addressed to the Advertisement Department, Macmillan Journals Ltd, 4 Little Essex Street, London WC2R 3LF. Telephone: 01-836 6633.

Copyright © 1974 by the *British Journal of Pharmacology*. All rights of reproduction are reserved in respect of all papers, articles, illustrations, etc., published in this journal in all countries of the world.

British Journal of Pharmacology

VOLUME 52 NUMBER 3 NOVEMBER 1974

page

Systematic Pharmacology

- 323 FIELDEN, R., OWEN, D.A.A. & TAYLOR, E.M. Hypotensive and vasodilator actions of SK&F 24260, a new dihydropyridine derivative.
- 333 FINCH, L. The cardiovascular effects of intraventricular clonidine and BAY 1470 in conscious hypertensive cats.
- 339 BARASI, S. & ROBERTS, M.H.T. The modification of lumbar motoneurone excitability by stimulation of a putative 5-hydroxytryptamine pathway.
- 349 BRADSHAW, C.M., ROBERTS, M.H.T. & SZABADI, E. Effects of imipramine and desipramine on responses of single cortical neurones to noradrenaline and 5-hydroxytryptamine.
- 359 BACH, CATHERINE S. & LEWIS, G.P. Flow and composition of skin and muscle lymph of the hind limb of the rabbit after injury.

Pharmacokinetics

- 367 HAMMARSTRÖM, L., SLANINA, P., TJÄLVE, H. & ULLBERG, S. Distribution of local anaesthetics: accumulation in some endocrine polypeptide-hormone producing cell systems.

Autopharmacology

- 375 JUNSTAD, M. & WENNMALM, Å. Release of prostaglandin from the rabbit isolated heart following vagal nerve stimulation or acetylcholine infusion.
- 381 HERTTING, G. & MEYER, D.K. Effect of converting enzyme blockade on isoprenaline- and angiotensin I-induced drinking.

Drug Mechanisms

- 387 HEISLER, S. Calcium efflux and secretion of α -amylase from rat pancreas.
- 393 BAUDOUIN-LEGROS, MARYVONNE, MEYER, P. & WORCEL, M. Effects of prostaglandin inhibitors on angiotensin, oxytocin and prostaglandin $F_{2\alpha}$ contractile effects on the rat uterus during the oestrous cycle.
- 401 BUU, N.T. & VAN GELDER, N.M. Biological actions *in vivo* and *in vitro* of two γ -aminobutyric acid (GABA) analogues: β -chloro GABA and β -phenyl GABA.
- 407 O'DONNELL, STELLA R. & WANSTALL, JANET C. Potency and selectivity *in vitro* of compounds related to isoprenaline and orciprenaline on β -adrenoceptors in the guinea-pig.

Psychopharmacology

- 419 KING, A.R., MARTIN, I.L. & MELVILLE, K. ARABELLA. Reversal learning enhanced by lysergic acid diethylamide (LSD): concomitant rise in brain 5-hydroxytryptamine levels.

- 427P *Proceedings of the BRITISH AND ITALIAN PHARMACOLOGICAL SOCIETIES, Bristol, 11-13 September, 1974.*