

PROCEEDINGS OF THE BRITISH PHARMACOLOGICAL SOCIETY

MIDDLESEX HOSPITAL MEDICAL SCHOOL
LONDON

4th and 5th January, 1962

COMMUNICATIONS

F. Hawking (*National Institute for Medical Research, Mill Hill, London, N.W.7*).

Measurement of blood concentration of trypanocidal compounds (malarsoprol and Me W) using trypanosomes for bio-assay.

M. Ginsburg and P. Mela (*N.Y. State Psychiatric Institute and Department of Biochemistry, Columbia University, N.Y.*).

Anaesthetics and protein synthesis in brain and liver.

H. Reinert (*Department of Pharmacology, Pfizer, Sandwich*).

Urethane hyperglycaemia.

P. Holton and M. J. Rand (*Department of Physiology, St. Mary's Hospital Medical School, London, W.2, and Department of Pharmacology, School of Pharmacy, London, W.C.1*).

Sympathetic vasodilatation in the rabbit ear.

M. D. Day (*introduced by M. J. Rand*) (*Department of Pharmacology, School of Pharmacy, London, W.C.1*).

Antagonism of sympathetic-neurone blocking agents.

W. C. Bowman and M. J. Rand (*Department of Pharmacology, School of Pharmacy, London, W.C.1*).

Choline analogues and neuromuscular transmission.

G. Burnstock and M. E. Holman (*introduced by E. Bülbring*) (*Departments of Zoology and Physiology, University of Melbourne, Australia*).

Membrane potentials recorded at sympathetic nerve endings in smooth muscle—the effects of denervation, of treatment with reserpine and some sympathetic blocking agents.

M. E. Holman and A. J. Jowett (*introduced by E. Bülbring*) (*Department of Physiology, University of Melbourne, Australia*).

Some observations on the dual effects of catechol amines at sympathetic nerve endings.

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B. C. R. Strömblad (introduced by **H. Blaschko**) (*Department of Pharmacology, University of Lund, Sweden*).

Uptake of injected catechol amines in rat tissues.

Edith Bülbring and **P. J. Goodford** (*Department of Pharmacology, University of Oxford*).

The action of adrenaline on the sodium exchange in intestinal smooth muscle.

Edith Bülbring and **H. Kuriyama** (*Department of Pharmacology, University of Oxford*).

The influence of ionic environment on the action of adrenaline and acetylcholine.

M. J. Davey, J. B. Farmer and **H. Reinert** (*Department of Pharmacology, Pfizer, Sandwich*).

Mono-amine oxidase inhibitors and hypotension.

E. G. van Proosdy-Hartzema (introduced by **D. F. J. Mason**) (*Stichting-Het Pharmacotherapeutisch Instituut, Nedchem, Amsterdam*).

Observations on the hypertensive action of reserpine.

D. J. Boullin (introduced by **P. B. Marshall**) (*Department of Pharmacology and Therapeutics, Dundee*).

Peristaltic-reflex activity in rat intestine depleted of 5-hydroxytryptamine.

S. J. Corne, R. W. Pickering and **B. T. Warner** (*Department of Pharmacological Research, Parke, Davis & Co.*).

A novel response of mice to 5-hydroxytryptophan and its modification by drugs acting on the central nervous system.

A. Tella (introduced by **B. G. Maegraith**) (*School of Tropical Medicine, The University, Liverpool 3*).

The involvement of bradykinin in malaria.

Beryl M. Askew (introduced by **K. E. V. Spencer**) (*Wyeth Laboratories, Havant, Hants*).

The contribution of hyperpyrexia to amphetamine toxicity in aggregated mice.

E. E. Shillito, K. E. V. Spencer and **H. C. Stewart** (*Wyeth Laboratories, Havant, Hants, and St. Mary's Hospital Medical School, London, W.2*).

Myocastor Coypus as an experimental animal.

G. W. Cambridge, A. B. Jansen, D. A. Jarman and **R. Stephens** (*Wyeth Laboratories, Havant, Hants*).

The effects of vasicinone and related compounds on the bronchial tree of the guinea-pig.

B. A. Callingham and **R. Cass** (introduced by **G. B. West**) (*The School of Pharmacy, London, W.C.1*).

Some effects of guanethidine and bretylium on adrenal glands.

A. W. Cuthbert (introduced by **G. A. H. Buttle**) (*The School of Pharmacy, London, W.C.1*).

The action of some anticholinesterases on the smooth muscle of the chick amnion.

J. Farrant and G. B. West (*The School of Pharmacy, London, W.C.1*).

The influence of cocaine on the uptake and release of noradrenaline.

T. F. Muther and D. R. Wood (*Department of Pharmacology, University of Leeds*).

The effects of corticosterone on gastric secretion in the rat.

B. E. Leonard (*introduced by R. Schneider*) (*Department of Medical Biochemistry and Pharmacology, Medical School, Birmingham, 15*).

Further studies of the pharmacology of alkaloids of *Pithecolobium Saman* (Benth.).

D. E. Clarke (*introduced by J. E. Olley*) (*Bradford Institute of Technology, Bradford 7*).

A change in the sensitivity to acetylcholine after pre-treatment with reserpine.

A. B. Wilson (*introduced by G. Brownlee*) (*University of London King's College, Strand, W.C.2*).

Inhibition of the guinea-pig small intestine by the optical isomers of noradrenaline, adrenaline and isoprenaline.

I. Lester, Jane Shaw, L. Grant and P. W. Ramwell (*introduced by R. Schneider*) (*from the M.R.C. Unit for Research on the Chemical Pathology of Mental Disorders, Department of Physiology, Birmingham Medical School, and Bradford Institute of Technology*).

The effect of carbon dioxide and acetazolamide on the hexobarbitone narcosis time of mice.

Session on Clinical Pharmacology

A. Darragh (*introduced by G. W. Pennington*) (*Department of Pharmacology, Trinity College, Dublin*).

The use of diuretics in the treatment of toxæmia of pregnancy.

P. L. Sharma (*introduced by H. C. Stewart*) (*Pharmacology Department, St. Mary's Hospital Medical School, London, W.2*).

Cholinergic factors in experimental auricular flutter and fibrillation.

J. R. Cambell, J. Sanford and G. R. Sharp (*Department of Anaesthesia and Veterinary Hospital, University of Glasgow*).

Species differences in the response to vanillic acid diethylamide.

T. M. Chalmers and M. A. Goldiner (*introduced by C. A. Keele*) (*The Medical Unit, Middlesex Hospital, London, W.1*).

Role of catechol amines in the release of free fatty acids by adipose tissue.

DEMONSTRATIONS

R. P. Gould and S. J. Holt (*introduced by F. Hobbiger*) (*Department of Anatomy, and Courtauld Institute of Biochemistry, Middlesex Hospital Medical School, London, W.1*).

Observations on acid phosphatase and esterases in the rat sciatic nerve undergoing Wallerian degeneration.

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E. E. Shillito and K. R. Butterworth (*Wyeth Laboratories, Havant, Hants, and Department of Pharmacology, St. Mary's Hospital Medical School, London, W.2*).

The coypu as a laboratory animal.

G. W. Cambridge and P. N. Hinton (*Wyeth Laboratories, Havant, Hants*).

Anaesthetic procedures suitable for the coypu.

J. M. Harris and G. B. West (*The School of Pharmacy, London, W.C.1*).

Family trees of rats failing to respond to dextran.

R. T. Brittain (*Research Division, Allen and Hanburys, Ware, Herts*).

A modified dual unit organ bath for isolated tissues.

P. F. D'Arcy and E. M. Howard (*Research Division, Allen and Hanburys, Ware, Herts*).

Studies of the acute and chronic toxicity of ferrous salts and the efficiency of ferrous carbonate in iron-deficiency anaemia.

Desiré Armstrong and J. W. Stewart (*Department of Pharmacology, Middlesex Hospital Medical School, London, W.1*).

Influence of hexadimethrine bromide, [poly-(1,5-dimethyl-1,5-diaza-undecamethylene dimethylbromide)], "Polybrene," and protamine sulphate on human plasma kinin formation.

Desiré Armstrong and G. L. Mills (*Department of Pharmacology, Middlesex Hospital Medical School, London, W.1*).

Isolated human plasma-kinin forming enzyme.

V. Eisen (*introduced by C. A. Keele*) (*Department of Pharmacology, Middlesex Hospital Medical School, London, W.1*).

Intrinsic kinin-forming factors in human plasma.

A. Kekwick, G. L. S. Pawan and E. Dowsett (*introduced by C. A. Keele*) (*The Medical Unit, Middlesex Hospital, London, W.1*).

Apparatus for metabolic studies in small animals.

E. Neil and N. Joels (*introduced by C. A. Keele*) (*Department of Physiology, The Middlesex Hospital Medical School, London, W.1*).

The effect of some drugs on carotid chemoreceptor activity.

C. A. Keele (*Department of Pharmacology, Middlesex Hospital Medical School, London, W.1*).

Some endogenous pain-producing agents.

I. M. Roitt, D. Doniach, H. E. H. Jones and I. J. Forbes (*introduced by C. A. Keele*) (*Courtauld Institute of Biochemistry, Middlesex Hospital Medical School, London, W.1*).

Tissue damage mediated by thyroid antibodies.

R. J. V. Pulvertaft, D. Doniach and I. M. Roitt (*introduced by C. A. Keele*) (*Westminster Hospital Medical School, and The Courtauld Institute of Biochemistry, London, W.1*).

A film : Cytotoxic effect of Hashimoto serum in tissue culture.