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BRITISH PHARMACOLOGICAL SOCIETY

PROGRAMME OF THE MEETING HELD AT MILL HILL

7th and 8th April, 1967

COMMUNICATIONS

R. L. Hodge, K. K. F. Ng. and **J. R. Vane** (*Department of Pharmacology, Royal College of Surgeons, Lincoln's Inn Fields, London W.C.*2).

The disappearance of angiotensin from the circulation of the dog.

S. H. Ferreira and **J. R. Vane** (*Department of Pharmacology, Royal College of Surgeons, Lincoln's Inn Fields, London W.C.*2).

The disappearance of prostaglandins from the circulation.

F. H. Schneider (introduced by **H. Blaschko**) (*University Department of Pharmacology, Oxford*).

Observations on protein secretion from the isolated adrenal gland.

J. Davies (introduced by **J. M. Robson**) (*Pharmacology Department, Guy's Hospital Medical School, London, S.E.*1).

Effect of vasopressin on pregnancy in the mouse.

K. J. Broadley and **D. J. Roberts** (*Departments of Pharmacology, Schools of Pharmacy, Brighton and Portsmouth*).

The action of noradnamine on adrenergic mechanisms.

B. J. Northover (*Leicester School of Pharmacy*).

The effect of non-steroidal anti-inflammatory drugs on vascular smooth muscle.

M. S. G. Clark (*Department of Pharmacology, King's College, London*).

Nicotine and learning in the rat.

J. M. Littleton (introduced by **G. Brownlee**) (*Department of Pharmacology, King's College, London*).

The effect of dexamphetamine on the actions of inhibitors of noradrenaline biosynthesis in rat brain *in vivo*.

J. M. Gaugas (introduced by **J. M. Robson**) (*Pharmacology Department, Guy's Hospital Medical School, London S.E.*1).

Chemotherapy of experimental *Myco. Leprae* infections in mice.

J. H. Burn and **F. Welsh** (*Department of Pharmacology, Washington University School of Medicine, St. Louis*).

Removal of guanethidine block at sympathetic endings by calcium.

V. A. Cullum, J. B. Farmer, S. L. Handley (*Department of Pharmacology, Allen and Hanburys Ltd., Ware, Herts*).

Antihypertensive properties of 1-amino-4-phenyl pyridinium chloride (AH.2035).

M. J. Rand and **Fedora Trinker** (*Department of Pharmacology, University of Melbourne, Victoria, Australia*).

The mechanism of the potentiation of sympathomimetic amines by monoamine oxidase inhibitors.

H. W. Kosterlitz and **A. J. Watt** (*Department of Physiology, University of Aberdeen*).

Kinetics of narcotic antagonists.

J. M. Sneddon and **P. Turner** (*Clinical Pharmacology Division, Medical Professorial Unit and Department of Pharmacology, St. Bartholomew's Hospital, E.C.*1).

Potentiation by guanethidine of phenylephrine-induced mydriasis in the human eye.

R. H. Thompson and **E. Letley** (*Department of Pharmacology, School of Medicine, Leeds* 2).

An electrocardiographic method of assessing quinidine-like activity in the anaesthetized rat.

P. J. Portig and **M. Vogt** (*Institute of Animal Physiology, Babraham, Cambridge*).

Release of homovanillic acid from the caudate nucleus of the cat.

K. J. Blackburn and **R. J. Merrills** (introduced by **H. Reinert**) (*Department of Biochemical Pharmacology, Pfizer Ltd., Sandwich, Kent*).

5-Hydroxytryptamine uptake by rat brain *in vitro*.

Gillian M. R. Samuels, Jane E. Shaw and **P. B. Bradley** (*Department of Experimental Neuropharmacology, The Medical School, Birmingham* 15).

The release of prostaglandins from the cerebral cortex of the cat in relation to changes in the electrocorticogram.

A. Richens (introduced by **J. P. Quilliam**) (*The Department of Pharmacology, The Medical College of St. Bartholomew's Hospital, London E.C.*1).

Transmission in the isolated frog spinal cord, and general anaesthetic agents.

M. G. Mustafa and **R. P. Stephenson** (*Department of Pharmacology, University of Edinburgh Medical School, Teviot Place, Edinburgh* 8).

Drug antagonism; a test for competitiveness.

J. A. Parsons (introduced by **W. Feldberg**) (*from the Division of Biological Standards, National Institute for Medical Research, London N.W.*7).

Factors affecting the hypocalcaemic activity of thyrocalcitonin in the rat assay method.

A. K. Armitage and **G. H. Hall** (*Tobacco Research Council Laboratories, Harrogate*).

Effects of nicotine on electrocortical activity and acetylcholine release from the cat cerebral cortex.

M. D. Day and **P. R. Warren** (*Pharmacology Laboratories, Department of Pharmacy, Brighton College of Technology, Brighton, Sussex*).

Evidence for non-adrenergic inhibitory neurones in rabbit intestine.

B. A. Kanani (introduced by **G. D. H. Leach**) (*School of Studies in Pharmacology University of Bradford*).

Studies on the cardiovascular actions of 5-hydroxytryptamine in the guinea-pig.

DEMONSTRATIONS

R. M. V. James (introduced by **B. J. Northover**) (*Leicester School of Pharmacy*).

A method for the continuous measurement of gastric acid secretion.

D. R. Bangham, P. J. Campbell, P. M. Cotes, J. W. Lightbown, M. V. Mussett and **M. P. Stack-Dunne** (*from the Division of Biological Standards, National Institute for Medical Research, London N.W.7*).

International and research standards for biological assay and radio-immunoassay.

G. W. Bisset, Barbara J. Clark, M. C. Harris, J. E. Lewin and **G. P. Lewis** (*from the Division of Physiology and Pharmacology, and the Division of Electronics, National Institute for Medical Research, London N.W.7*).

Bioassay of vasopressin and oxytocin in blood by methods sufficiently sensitive to demonstrate their independent release.

E. C. Savini (*Department de Pharmacologie, Ecole Nationale de Medecine et de Pharmacie—14—Caen*).

Estimation of salivary inhibiting activity of anticholinergics in the dog.

B. A. Kanani and **D. T. Okpako** (introduced by **G. D. H. Leach**) (*School of Studies in Pharmacology, University of Bradford*).

Some cardiovascular aspects of guinea-pig anaphylaxis.

R. Hicks and **D. T. Okpako** (*School of Studies in Pharmacology, University of Bradford*).

The inhibition of anaphylactic re-sensitisation by non-specific γ globulins.

C. R. B. Joyce, Lynn Pan and **D. D. Varonos** (*Department of Pharmacology, London Hospital Medical College, Turner Street, London E.1*).

Evidence that there is a relationship between taste threshold for a drug and other pharmacological effects.

J. Jensen-Holm and **Eleanor Zaimis** (*Departments of Pharmacology, Royal Free Hospital Medical School and University of Copenhagen*).

Heart rate and cholinesterase changes produced by guanethidine and reserpine.