Br. J. Pharmac. Chemother. (1966), **27**, 443–448.

BRITISH PHARMACOLOGICAL SOCIETY

PROGRAMME OF THE MEETING HELD AT DUNDEE

July 6 *and* 7, 1966

COMMUNICATIONS

P. F. D'Arcy and **E. M. Howard** (*Department of Pharmacology, Faculty of Pharmacy, University of Khartoum*).

A new anti-inflammatory test, utilizing the chorio-allantoic membrane of the chick embryo.

P. Gorög I. Kovács, L. Szporny and **Gy. Fekete** (introduced by **Marthe Vogt**) (*Chemical Works Gedeon Richter Ltd., Budapest*).

Effect of vitamin K on experimental inflammation and on the metabolism of connective tissue.

B. Northover and **K. L. Green** (introduced by **G. A. H. Buttle**) (*Leicester School of Pharmacy*).

The effects of sympathomimetic amines and related substances on the permeability of the peritoneal blood vessels of the mouse.

F. G. Canepa and **C. G. Smith** (introduced by **H. O. Schild**) (*Department of Pharmacology, University College London*).

Effect of the temperature-solubility gradient of N^+ cholinergic drugs on their neuromuscular blocking activity.

R. J. Stephens and **S. J. Corne** (*Department of Pharmacological Research, Parke Davis and Co., Hounslow, Middlesex*).

The measurement of changes of blood pressure and intracranial pressure in conscious laboratory animals.

K. Jayasena and **M. Ginsburg** (*Department of Pharmacology, Chelsea College of Science and Technology*).

Binding of lysine vasopressin and oxytocin by protein fractions from target organs.

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

The detection of bradykinin in the circulating blood.

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

Inhibitory responses of the rabbit portal vein to dopamine and to electrical excitation after blocking α and β receptors for catecholamines.

W. Dawson, B. A. Hemsworth and **M. A. Stockham** (*Department of Pharmacology, School of Pharmacy, University of London*).

Some pharmacological actions of ascorbic acid on smooth muscle.

M. S. Starr (introduced by **G. B. West**) (*Department of Pharmacology, School of Pharmacy, University of London*).

Bradykinin and various shock states in the rat.

S. I. Ankier (introduced by **G. B. West**) (*Department of Pharmacology, School of Pharmacy, University of London*).

Dextrin and the anaphylactoid reaction.

W. Dawson and **G. B. West** (*Department of Pharmacology, School of Pharmacy, University of London*).

Toxicity of substituted ureas.

P. Eyre (introduced by **F. Alexander**) (*Department of Veterinary Pharmacology, Royal (Dick) School of Veterinary Studies, Edinburgh*).

Some pharmacodynamic effects of the anti-babesial compound quinuronium sulphate.

H. C. Guldberg and **Ceila M. Yates** (introduced by **T. B. B. Crawford**) (*M.R.C. Unit for Research in Brain Metabolism, Department of Pharmacology, Teviot Place, Edinburgh* 8).

The serial sampling of ventricular cerebrospinal fluid from the dog and its application to a study of the phenolic acid concentrations after various drug administrations.

J. M. Littleton (introduced by **G. Brownlee**) (*Department of Pharmacology, University of London, King's College, Strand, W.C.*2).

Mortality and noradrenaline content of the brain in mice treated with amphetamine.

L. Magos and **T. W. Clarkson** (*Toxicology Research Unit, M.R.C. Laboratories, Carshalton, Surrey: and Department of Radiation Biology, The University of Rochester School of Medicine, Rochester, N.Y.*).

The effect of metabolic inhibitors on the uptake of mercury by the kidney.

H. J. Fearn, B. A. Hemsworth and **G. B. West** (*Department of Pharmacology, School of Pharmacy, University of London*).

Studies on degradation products of physostigmine.

G. P. Mould and **G. B. West** (*Department of Pharmacology, School of Pharmacy, University of London*).

The influence of ascorbic acid on blood levels of salicylates.

D. V. Maudsley and **A. G. Radwan** (introduced by **G. B. West**) (*Department of Pharmacology, School of Pharmacy, University of London*).

Variations in the histidine decarboxylase activity in stomach.

W. C. Bowman, Alison Jowett and **C. Raper** (*Department of Pharmacology, School of Pharmacy, University of London*).

Anti-fibrillary activity of β-receptor blocking drugs in denervated skeletal muscle.

T. B. Bolton (introduced by **W. C. Bowman**) (*Department of Pharmacology, School of Pharmacy, University of London*).

Pharmacological responses of the isolated, dually innervated, anterior mesenteric artery of the fowl.

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

Cardiovascular changes produced by nicotine injected into the cerebral ventricles of cats.

M. S. G. Clark (introduced by **W. C. Bowman**) (*Department of Pharmacology, School of Pharmacy, University of London*).

Some effects of nicotine on behaviour in the rat.

D. K. Luscombe, R. H. Poyser and **J. M. Harris** (*Department of Pharmacology, School of Pharmacy, Brighton College of Technology*).

The influence of molecular weight on the vascular permeability changes induced by glucose polymers in rat skin.

J. Elis, D. R. Laurence, H. Mattie and **B. N. C. Prichard** (*Department of Pharmacology, University College, and Medical Unit, University College Hospital Medical School, London, W.C.*1).

Some interactions of monoamine oxidase inhibitors and sympathomimetics.

H. M. Guirgis and **P. B. Marshall** (*Department of Pharmacology and Therapeutics, Queen's College Dundee*).

Histamine binding power of serum in normal and allergic humans.

O. L. Wade (*Department of Therapeutics and Pharmacology, The Queen's University of Belfast*).

Measurement of the incidence of adverse reactions to drugs in a community.

S. M. M. Karim (introduced by **M. Ginsburg**) (*Institute of Obstetrics and Gynaecology, Queen Charlotte's Hospital, London, W.*6).

Isolation and identification of two smooth muscle stimulating substances in human umbilical cord extracts.

D. J. Roberts (introduced by **J. D. P. Graham**) (*Portsmouth College of Technology*).

A new interpretation of the role of catecholamines in depression.

R. W. Brimblecombe and **D. M. Green** (*Chemical Defence Experimental Establishment, Porton, Down, Wilts*).

Central effects of imipramine-like antidepressants in relation to their peripheral anticholinergic activity.

G. A. H. Buttle and **Ann Frayn** (*Department of Pharmacology, School of Pharmacy, University of London*).

Immunological relationships between embryonic and malignant tissue.

R. W. Poynter (introduced by **G. A. H. Buttle**) (*Department of Pharmacology, School of Pharmacy, University of London*).

Some aspects of the actions of alkylating agents on the Yoshida ascites tumour.

R. W. Foster (introduced by **H. Schnieden**) (*Pharmacology Department, Manchester University*).

The effects of some potentiating agents and of cooling on the actions of noradrenaline and isoprenaline on the guinea-pig tracheal muscle.

B. Cox (introduced by **H. Schnieden**) (*Pharmacology Department, Manchester University*).

The effect of ambient temperature on the actions of tremorine on body temperature and brain amines in the rat.

J. M. H. Rees (introduced by **H. Schnieden**) (*Pharmacology Department, Manchester University*).

The effect of morphine on hydrogen ion concentration in the blood of the rabbit.

C. I. Furst (introduced by **G. P. Lewis**) (*Ciba Laboratories Ltd., Horsham, Sussex*).

The metabolism and distribution of guanethidine-14C.

A. V. Juorio (introduced by **Marthe Vogt**) (*Pharmacology Unit, Agricultural Research Council Institute of Animal Physiology, Babraham, Cambridge*).

Endogenous monoamines and methyl analogues of catecholamines in the pigeon brain after treatment with alpha-methyldopa.

R. D. Robson (*Wellcome Research Laboratories, Langley Court, Beckenham, Kent*).

The action of amphetamine and adrenergic neurone blocking agents on the isolated, perfused mesentery of the rat.

R. E. Coupland and **J. D. B. MacDougall** (introduced by **P. B. Marshall**) (*Department of Anatomy, Queen's College, Dundee*).

Adrenaline formation and storage induced in noradrenaline-storing chromaffin cells by corticosterone *in vitro*.

G. A. Cottrell (introduced by **P. B. Marshall**) (*Gatty Marine Laboratory, St. Andrews*).

Bradykinin and eledoisin; their pharmacological actions on some isolated invertebrate preparations.

Sally D. Everitt (introduced by **W. C. Bowman**) (*Department of Pharmacology, School of Pharmacy, University of London*).

Catecholamine release by histamine from the chick intestine.

P. F. L. Boreham (introduced by **L. G. Goodwin**) (*Nuffield Institute of Comparative Medicine, The Zoological Society of London, London, N.W.*1).

Kinin formation in experimental trypanosomiasis.

E. R. Clark and **P. M. Dawes** (introduced by **D. R. Wood**) (*Department of Pharmacology, School of Medicine, Leeds* 2).

The action of some analogues of choline phenyl ether on the isolated superior cervical ganglion of the rabbit.

J. B. Harris (introduced by **G. D. H. Leach**) (*Pharmacology Laboratories, Bradford Institute of Technology, Bradford* 7).

Modification of neuro-muscular blocking action in the rat diaphragm preparation by changes in anionic environment.

S. Lodge (introduced by **G. D. H. Leach**) (*Pharmacology Laboratories, Bradford Institute of Technology, Bradford* 7).

The effects of phospholipase C on the responses of the guinea-pig ileum longitudinal muscle preparation.

D. E. Clarke and **G. D. H. Leach** (*Pharmacology Laboratories, Bradford Institute of Technology, Bradford* 7).

The influence of some adrenergic neurone blocking agents and monoamine oxidase inhibitors on the uptake of tritium labelled noradrenaline and other sympathomimetics in the reserpinized rat.

P. A. Nasmyth and **K. P. Singh** (*Department of Pharmacology, St. Mary's Hospital Medical School, London, W.C.*2).

Further observations on the effects of adenosine 3′,5′-monophosphate (3′,5-AMP) on smooth muscle contractions.

H. O. J. Collier, G. W. L. James and **C. Schneider** (*Department of Pharmacological Research, Parke-Davis and Co., Hounslow, Middx.*).

Some responses to adenosine-5′-triphosphate and their antagonism.

M. D. Gershon (introduced by **Edith Bülbring**) (*Department of Pharmacology, University of Oxford*).

Inhibition of intestinal smooth muscle by sympathetic nerve stimulation.

DEMONSTRATIONS

T. L. B. Spriggs, J. D. Lever, P. M. Rees and **J. D. P. Graham** (*Department of Anatomy, University College and Department of Pharmacology, W.N.S.M., Cardiff*).

A short fluorescence technique for the demonstration of adrenergic nerves.

Gillian M. Powell and **J. D. P. Graham** (*Department of Biochemistry, University College, and Department of Pharmacology, W.N.S.M., Cardiff*).

The distribution of 14C-labelled SY28 in the mouse as demonstrated by autoradiography.

G. E. Mawer (introduced by **W. E. Brocklehurst**) (*Department of Pharmacology, University of Manchester*).

Human bradykininogen: a simple method of purification and some properties of the product.

R. Hughes (*Wellcome Research Laboratories, Langley Court, Beckenham, Kent*).

The measurement of coronary flow and aortic blood pressure in the unanaesthetized dog.

R. E. Coupland and **D. Hopwood** (introduced by **P. B. Marshall**) (*Department of Anatomy, Queen's College, Dundee*).

The identification and structure of adrenaline and noradrenaline-storing granules in chromaffin cells at the ultrastructural level.

R. E. Coupland and **B. S. Weakley** (introduced by **P. B. Marshall**) (*Department of Anatomy, Queen's College, Dundee*).

The development of catecholamine-storing granules in the rabbit.

H. M. Guirgis (introduced by **P. B. Marshall**) (*Department of Pharmacology and Therapeutics, Queen's College, Dundee*).

Separation of an anti-histamine factor from human and guinea-pig serum.

D. M. Chambers, P. H. Redfern and **D. J. Roberts** (introduced by **J. D. P. Graham**) (*Pharmacology Department, School of Pharmacy, Portsmouth*).

Some aspects of the central pharmacology of noradnamine.

E. C. Savini (*École Nationale de Médecine et de Pharmacie, Caen, France*).

A volume and rate registering pneumograph.

W. Dawson and **M. S. Starr** (introduced by **G. B. West**) (*Department of Pharmacology, School of Pharmacy, University of London*).

Evidence for the involvement of kinins in anaphylactic shock in the rat.

J. Flack and **M. A. Stockham** (*Department of Pharmacology, School of Pharmacy, University of London*).

The specificity of the fluorescence assay of corticosterone using rat tissues.

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

Cholinesterase and anti-cholinesterase drugs on isolated guinea-pig trachea.

D. T. Caridis, M. Roberts and **W. R. Ferrier** (*Department of Surgery and Materia Medica and Therapeutics, University of Aberdeen*).

The effects of massive intestinal resection on the gastric acid secretion and the urinary histamine excretion in the rat.

J. H. Burn (*Oxford*)
Anticholinesterases and the release of noradrenaline from sympathetic fibres.

A. S. Kelvin (introduced by **P. B. Marshall**) (*Department of Pathology and Therapeutics, Queen's College, Dundee*).
Estimation of methylimidazole–acetic acid by gas chromatography.

G. A. Cottrell (introduced by **P. B. Marshall**) (*Gatty Marine Laboratory, St. Andrews*).
Localization of amines in granules in the CNS of a bivalve mollusc.