DOUGLAS, W. W., INNES, I. R. and KOSTERLITZ, H. W. The vasomotor responses due to electrical stimulation of the sinus and vagus nerves of the cat and their modification by large doses of sodium pentobarbital (nembutal)

CATER, D. B. and LAWRIE, N. R. Some histochemical and biochemical observations on the preen gland

DIXON, K. C. and HERBERTSON, B. M. A cytoplasmic constituent of brain

KATZ, BERNHARD. Action potentials from a sensory nerve ending

KATZ, BERNHARD. Depolarization of sensory terminals and the initiation of impulses in the muscle spindle

HILL, D. K. The effect of stimulation on the opacity of a crustacean nerve trunk and its relation to fibre diameter

HILL, D. K. The volume change resulting from stimulation of a giant nerve fibre

COLFER, H. F., DE GROOT, J. and HARRIS, G. W. Pituitary gland and blood lymphocytes

DE GROOT, J. and HARRIS, G. W. Hypothalamic control of the anterior pituitary gland and blood lymphocytes

HARRIS, G. W. Oestrous rhythm. Pseudopregnancy and the pituitary stalk in the rat

HARRIS, G. W. Hypothalamic-hypophysial connexions in the cetacea

MILLS, J. N. The pressures developed in abdomen and thorax during the Flack tests

MILLS, J. N. The nature of the limitation of maximal inspiratory and expiratory efforts

HAJDU, S., KNOX, J. A. C. and McDOWALL, R. J. S. Potassium and neuro-muscular transmission

LANGHAM, M. The transfer of L-ascorbic acid and dehydro-L-ascorbic acid into the aqueous humour of the rabbit and cat

LAMPORT, HAROLD. The intrinsic independence of blood flow through cortical and juxtamedullary glomeruli

DICKINSON, C. J. Afferent nerves from the heart region

FATT, PAUL. The electromotive action of acetylcholine at the motor end-plate

EGGLETON, M. GRACE and HABIB, Y. A. Urinary excretion of phosphate in man and the cat

BANISTER, JEAN and SCRASE, MARIAN. Acetylcholine synthesis in normal and denervated sympathetic ganglia of the cat

CAMBRIDGE UNIVERSITY PRESS
BENTLEY HOUSE, 200 EUSTON ROAD, LONDON, N.W.1
MILLING A
MONOCHROMATOR CASTING
for UNICAM S.P.500 Spectrophotometer

The precision of this machining operation helps in achieving the high order of resolution and reproducibility which this instrument provides even as far as 200 millimicrons. Full particulars will gladly be sent on request. Demonstrations can be arranged.

UNICAM
UNICAM INSTRUMENTS (CAMBRIDGE) LTD. ARBURY WORKS, CAMBRIDGE

THE ANTWEILER
MICRO ELECTROPHORESIS APPARATUS

This new instrument, thoroughly tested in several thousand runs, will have a profound influence on the application of electrophoretic analysis, which hitherto was severely limited by the cumbersome and expensive equipment required. By the adoption of micro methods it has been possible to build a compact and relatively inexpensive instrument which is already widely used on the Continent, for instance for clinical routine examinations of tissue fluids and blood sera. The short time of 1 to 1.5 hours required for an analysis allows comfortably to make 7 runs a day; 3 operators using one instrument have frequently carried out up to 20 runs a day. The following data will be interesting: Accuracy ±0.5%. Sensitivity 0.0015% protein. Quantity of material required 0.1 ml. Migration time 15–20 minutes. Cooling by tap water. Full particulars on request.

SHANDON SCIENTIFIC COMPANY, 2 ROBERT STREET, LONDON, W.C.2
**B.D.H.**

Materials for Microscopy

From nearly half a century's experience of preparing microscopic stains and staining materials of the highest quality B.D.H. are well acquainted with the microscopist's needs. The expert microscopist knows that no other material will give better or more consistent results than the stains, staining solutions and selected reagents which B.D.H. supply.

Copies of a useful 50-page booklet "B.D.H. Standard Stains", containing notes on staining methods and the treatment of material, with formulae for fixatives and stains, may be obtained on request.

THE BRITISH DRUG HOUSES LTD.
B.D.H. LABORATORY CHEMICALS GROUP
POOLE DORSET

---

THE PHYSICAL SOCIETY

**Volume XIII of the**

*Reports on Progress in Physics*

This volume is to be published during August, and is a comprehensive annual review by specialist authors. The contents are as follows:

**Mary P. Lord and W. D. Wright**
The Investigation of Eye Movements

**L. Goldberg**
Recent Advances in Infra-Red Solar Spectroscopy

**W. G. Penney and H. H. M. Pike**
Shock Waves and the Propagation of Finite Pulses in Fluids

**E. C. Stoner**
Ferromagnetism; Magnetization Curves

**M. Ryle**
Radio Astronomy

**O. P. Kuiper**
Planetary and Satellite Atmospheres

**A. H. Cooke**
Paramagnetic Relaxation Effects

**J. H. Premlin and J. S. Gooden**
Cyclic Accelerators

**C. F. Powell**
Mesons

*The Price will be 50s. Postage 1s. (25s. to Fellows of the Society)*

Further information can be obtained from the Physical Society, 1 Lowther Gardens, Prince Consort Road, London, S.W.7.
E.K. BOWMAN LTD
61, 61a, 63 HOLMES ROAD
KENTISH TOWN
LONDON, N.W.5

SPECIALISTS IN LABORATORY METAL WORK
MONEL. COPPER.
BRASS. ZINC.
STAINLESS STEEL
and TINPLATE.

ANIMAL CAGES and RACKING. RETORT STANDS

'WELLCOME'
DIAGNOSTIC AND
LABORATORY MATERIALS

ACGLUTINABLE SUSPENSIONS
ACGLUTINATING AND PRECIPITATING SERA
CULTURE MEDIA • OLD TUBERCULIN, Human (T)
OPACITY TUBES • PENICILLINASE
SERA FOR IDENTIFICATION OF ANAEROBES
REAGENTS FOR COMPLEMENT FIXATION AND
FLOCCULATION TESTS
ALSO THE 'AGLA' BRAND MICROMETER STRINGE
Details and New Price List on application

Obtainable from: THE WELLCOME RESEARCH LABORATORIES
Langley Court, Beckenham, Kent. Telephone: Beckenham 3422 or from:
BURROUGHS WELLCOME & CO. (The Wellcome Foundation Ltd.) LONDON

Printed in Great Britain at the University Press, Cambridge
(Brooke Crutchley University Printer)