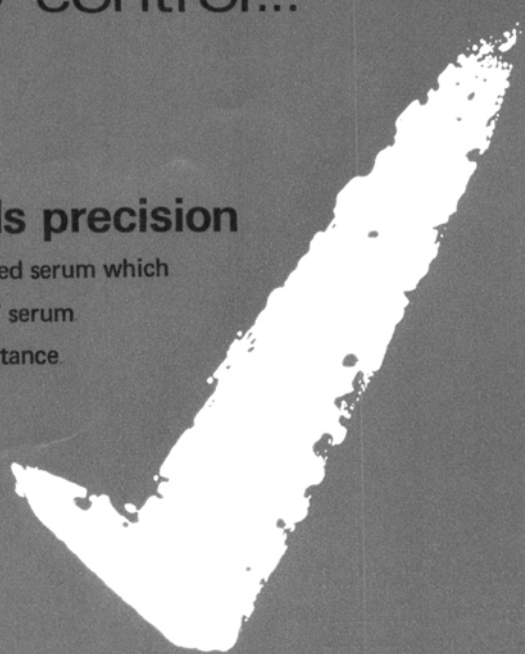


YOU KNOW YOU'RE RIGHT

with quality control...

SERONORM adds precision

A genuine independently evaluated serum which provides control standards for 27 serum components of significant importance in clinical analysis



AUTONORM

A stabilized, freeze-dried serum, for the control and adjustment of drift and changes of the base-line in serial analyses.

Write for detailed information on these two products



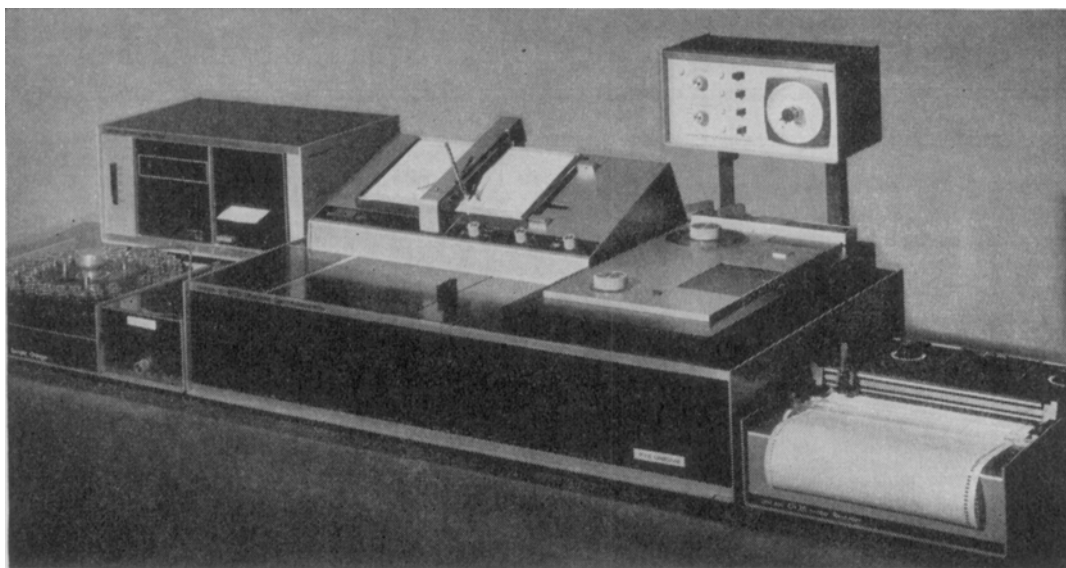
BDH Chemicals Ltd Poole BH12 4NN

This new Unicam UV Spectrophotometer has been made to meet your requirements

To meet, in fact, the requirements of every UV spectroscopist—whether engaged in research or in routine applications. And that means that the new Unicam SP8000 Ultraviolet and Visible Recording Spectrophotometer is just about the most versatile instrument available. To start with you get superb presentation and reproducibility of spectra on the integral flat-bed recorder. You get dual absorbance scales of 0-1.0A and 0-0.2A with back-off. You get exceptional scale expansion. There is a large sample compartment and a unique second sample position. There is a whole range of modular

accessories for automation. If you want digital print out, results in concentration units, automatic wavelength selection, programme control, automatic sample changing of up to 50 samples—you name it and the likelihood is that the Unicam SP8000 system can do it. The Unicam SP8000 is the latest addition to an outstanding range of UV instruments which includes the SP500 Series 2, the SP700, the SP800 and the award-winning SP3000.

To learn more about any of these write to us today.



PYE UNICAM



Precision Instruments

Pye Unicam Ltd
York Street Cambridge, CB1 2PX, England
Telephone (0223) 58866 Telex 81215

NEW BOOKS FROM BLACKWELL

A Companion to Medical Studies. Volume 2. Pharmacology, Microbiology, General Pathology and Related Subjects

Edited by R. PASSMORE and J. S. ROBSON. 1970. 836 pages, 420 illustrations, 30 plates (14 colour). Cloth £6, Limp 90s.

The excellent reception of the first volume encourages the belief that the second will also meet a need amongst students and teachers. It is divided into five sections: General Pharmacology; the Effects of Drugs on the Systems of the Body; Topics in Auto-pharmacology; Microbiology, General Pathology and Related Pharmacology; and some Aspects of Social Medicine.

From the Reviews of Volume 1:

'The information in this volume is surprisingly up-to-date, and the contributors are not afraid to discuss growing-points. This is part of the fascination of the work; the student is promised all the facts he needs—and this is no exaggeration—but from this volume he is also likely to acquire understanding and interest. . . . This work represents a notable advance in the writing of text books for preclinical students. There are some books that the student comes to loathe, and others that he comes to love. This is likely to be one of the latter.'—*The Lancet*.

An Introduction to the Biology of the Skin

Edited by R. H. CHAMPION M.A. M.B. B.CHIR.(Camb.) M.R.C.P.(Lond.), T. GILLMAN D.SC.(Wits) M.B. B.CH. F.C.PATH., A. J. ROOK M.A. M.D. (Camb.) F.R.C.P.(Lond.) and R. T. SIMS M.A. B.SC. M.B. B.S. May 1970. 416 pages, 140 illustrations. 85s.

Since 1963 the Postgraduate Medical School of Cambridge University has organized an annual course of lectures to introduce young clinicians to the rapidly expanding literature on the biology of skin. The courses have been well attended and have attracted research biologists as well as dermatologists from many countries in Europe. The organizers have rejected repeated suggestions that the lectures be published. However since no other book covers the same ground or is designed for the same audience it now seems that publication of the lectures may serve a useful purpose. The lectures do not attempt to cover every aspect of the biology of the skin. They present a short and readable account of selected topics of importance to the clinician and to the research worker who is concerned directly or indirectly with the skin. Each lecture is followed by selected references as a guide to further reading.

A History of Bladder Stone

HAROLD ELLIS M.A. M.CH. D.M. F.R.C.S. 1970. 88 pages, 39 illustrations. 35s.

The story of bladder stone is among the longest in medical history, since this condition was the first to be treated by an elective surgical procedure. Not only is the story long, but it is also a fascinating document which records, on the one hand, the stoicism of the patients who, over many hundreds of years, submitted themselves to the agony of surgery in order to escape the tortures of the stone and, on the other hand, the quite amazing ingenuity, resourcefulness and courage of the surgeons who developed and perfected the techniques of cutting for the stone or removing its crushed fragments per viam naturae.

BLACKWELL SCIENTIFIC PUBLICATIONS

OXFORD AND EDINBURGH

NEW BOOKS FROM BLACKWELL

The Biology and Surgery of Tissue Transplantation

Edited by J. MAXWELL ANDERSON M.B. CH.B. F.R.C.S. 1970. 276 pages, 35 illustrations. 70s.

This book is devoted to the Glasgow Conference on transplantation held in March 1969. An internationally renowned team of participants describe the most recent advances in the four areas of 'Transplantation antigens and tissue typing', 'Antilymphocytic serum', 'Pregnancy, cancer and enhancement' and 'Transplantation of organs'. The lively and often controversial discussions following each session of the conference reflect the vigour of the subject and the value of the recorded material as a basis for further research.

Immunology for Students of Medicine

J. H. HUMPHREY M.D. B.CHIR. F.R.S. and R. G. WHITE M.A. D.M. M.R.C.P. F.R.S.(Ed.). *Third Edition*, 1970. 768 pages, 119 illustrations. 60s.

'When the first edition appeared in 1963 it was immediately obvious that the authors had at their command a wide knowledge of the subject as well as unusual gifts for clear and logical exposition . . . The book has already been reprinted twice and more than 10,000 copies have been sold. This is remarkable popularity for a book of this kind . . . There is no better introduction to the subject. The writing is clear and incisive, and the approach empirical rather than theoretical.'—*The Lancet* (on the Second Edition).

Standardization in Immunofluorescence

Edited by E. J. HOLBOROW M.A. M.D. M.R.C.S. 1970. 300 pages, 75 illustrations. 75s.

Two recent internationally sponsored Symposia have made important progress in defining the extent to which standardization is useful in immunofluorescent techniques on the one hand and in immunofluorescent reagents on the other, and have produced recommendations for the manufacture and testing of fluorochromo-labelled antibodies. The contributions of more than 30 of the world's leading exponents of immunofluorescent methods in diagnosis and research provide a comprehensive practical guide to standard modern usage of this unique versatile technique.

The Megaloblastic Anaemias

I. CHANARIN B.SC. M.D. M.C.PATH. 1969. 1008 pages, 258 illustrations. £10.

Although two short monographs on the megaloblastic anaemias appeared in the 1950s, there is no detailed account of these disorders of haemopoiesis embracing the haematological and biochemical as well as clinical aspects. This book sets out to fill this gap and it presents a detailed and critical account of knowledge in this field covering haematology, biochemistry and physiology of B₁₂ and folic acid, laboratory and clinical investigations, pathological physiology in the megaloblastic anaemias, the haematological response and a full account of the clinical disorders which are associated with megaloblastic haemopoiesis.

BLACKWELL SCIENTIFIC PUBLICATIONS

OXFORD AND EDINBURGH

The Journal of Endocrinology

Volume 46, Number 3, March 1970

CONTENTS

- J. FÖLDES, J. TAKO, C. BÁNOS, E. GESZTESI AND I. VARGA: Cause of increased plasma concentration of iodotyrosines in Graves' disease
- EVELYN B. THOMAN, MYRNA SPROUL, BARBARA SEELER AND S. LEVINE: Influence of adrenalectomy in female rats on reproductive processes including effects on the foetus and offspring
- F. PRZEKOP AND E. DOMAŃSKI: Induction of ovulation in sheep by electrical stimulation of hypothalamic regions
- A. BARTKE AND C. W. LLOYD: The influence of pituitary homografts on the weight of the accessory reproductive organs in castrated male mice and rats and on mating behaviour in male mice
- A. BARTKE AND C. W. LLOYD: Influence of prolactin and pituitary isografts on spermatogenesis in dwarf mice and hypophysectomized rats
- B. E. ELEPHERIOU, C. DESJARDINS AND M. L. PATTISON: Effects of ovariectomy and ovarian hormones on RNA base ratios in specific rabbit brain areas
- K. P. MEYERS: Hormonal requirements for the maintenance of oestradiol-induced inhibition of uterine sensitivity in the ovariectomized rat
- JACQUELINE D. CLEVERLEY AND S. J. POLLEY: The blood levels of oxytocin during machine milking in cows with some observations on its half-life in the circulation
- I. R. FALCONER AND B. MARCHANT: Thyroxine utilization in lambs in natural and controlled environments
- JOAN BUTLER AND C. H. GRAY: The metabolism of betamethasone
- T. LUUKKAINEN, A. SIEGEL AND R. VIHKO: Neutral steroid sulphates in amniotic fluid
- Short Communications
- H. P. G. SCHNEIDER AND S. M. MCCANN: Luteinizing hormone-releasing factor discharged by dopamine in rats
- J. D. BAYLÉ, M. KRAUS AND A. VAN TIENHOVEN: The effects of hypophysectomy and testosterone propionate on the testes of Japanese quail, *Coturnix coturnix japonica*
- K. A. MOHI ALDEEN: The influence of oestrogen and progesterone on the distribution of alkaline phosphatase in the mouse uterine endometrium

Annual subscription £24 (\$84 in USA) for twelve issues

Single parts £2.10.0 (\$8.50 in USA), plus postage

CAMBRIDGE UNIVERSITY PRESS

Bentley House, 200 Euston Road, London N.W.1

32 East 57th Street, New York, N.Y. 10022

CLINICAL SCIENCE

Vol. 38, No. 4

April 1970

CONTENTS

- Calcium metabolism and ^{47}Ca kinetics before and after long-term thyrocalcitonin treatment in senile osteoporosis
A. CANIGGIA, C. GENNARI, M. BENCINI, L. CESARI and G. BORRELLO 397-407
- Changes of renin in individual glomeruli in response to variations of sodium intake in the rabbit
H. GAVRAS, J. J. BROWN, A. F. LEVER and J. I. S. ROBERTSON 409-413
- Nocturia in patients on long-term steroid therapy
J. P. THOMAS, G. A. COLES and A. H. EL SHABOURY 415-425
- Influence of dietary sucrose on glucose and fructose tolerance and triglyceride synthesis in the baboon
T. M. COLTART and J. N. CROSSLEY 427-437
- Observations of renal function in patients undergoing therapeutic diuresis with frusemide
R. F. JEWKES, N. BURKI and A. GUZ 439-449
- Influence of anaesthesia on the regional distribution of perfusion and ventilation in the lung
G. H. HULANDS, R. GREENE, L. D. ILIFF and J. F. NUNN 451-460
- Lability of pulmonary pressure/flow curves during exercise in clinically mild bronchitis; evidence for a pulmonary vascular shunt in man
G. B. FIELD and J. E. COTES 461-477
- The mechanism of diuresis caused by renal lymphatic obstruction
T. WADA, M. OGAWA, J. ISHIKAWA, M. YAMOUCI, E. KATO and S. ASANO 479-489
- Circulatory reflexes in cerebral ischaemia involving different vascular territories
M. GROSS 491-502
- The hypoxic drive to breathing in chronic bronchitis and emphysema
D. C. FLENLEY, D. H. FRANKLIN and J. S. MILLAR 503-518
- A detailed study of the urinary peptides in a patient with osteomalacia and hyperparathyroidism
ROSE CAHILL, R. SMITH and R. G. WESTALL 519-532
- The urinary excretion of lysozyme in dogs
J. F. HARRISON and A. D. BARNES 533-547
- MEDICAL RESEARCH SOCIETY (Meeting held on 20 February 1970)
- Communications 23p-27p
- Demonstrations 27p-29p