

- for the detection of S. hemoglobin advances in automated analysis. (Technicon International Congress, Nov. 1970.)
- Huntsman, R. G., Barclay, G. P. T., Canning, D. M., and Yawson, G. I. (1970). A rapid whole blood solubility test to differentiate the sickle-cell trait from sickle-cell anaemia. *J. clin. Path.*, **23**, 781-783.
- Jones, S. R., Binder, R. A., and Donowho, E. M., Jr. (1970). Sudden death in sickle-cell trait. *New Engl. J. Med.*, **282**, 323-325.
- Loh, W. P. (1968). A new solubility test for rapid detection of hemoglobin S. *J. Indiana med. Ass.*, **61**, 1651-1652.
- Raper, A. B. (1971). Solubility test for HbS. (Letter.) *Brit. med. J.*, **1**, 460.
- Robinson, A. R., Robson, M., Harrison, A. P., and Zuelzer, W. W. (1957). A new technique for differentiation of hemoglobin. *J. Lab. Clin. Med.*, **50**, 745-752.
- Schneider, R. G., Alperin, J. B., and Lehmann, H. (1967). Sickling tests. *J. Amer. med. Ass.*, **202**, 419-421.
- Veiga, S., and Vaithianathan, T. (1963). Massive intravascular sickling after exchange transfusion with sickle cell trait blood. *Transfusion*, **3**, 387-391.
- Yakulis, V. J., and Heller, P. (1964). An elution test for the visualization of hemoglobin S in blood smears. *Blood*, **24**, 198-201.

Reports and Bulletins prepared by the Association of Clinical Biochemists

The following reports and bulletins are published by the Association of Clinical Biochemists. They may be obtained from The Administrative Office, Association of Clinical Biochemists, 7 Warwick Court, Holborn, London, WC1R 5DP. The prices include postage, but air mail will be charged extra. Overseas readers should remit by British Postal or Money Order. If this is not possible the equivalent of 50p is the minimum amount that can be accepted.

SCIENTIFIC REPORTS

3 Automatic Dispensing Pipettes. An assessment of 35 commercial instruments 1967 P. M. G. BROUGHTON, A. H. GOWENLOCK, G. M. WIDDOWSON, and K. A. AHLQUIST 85p (\$2)

4 An Evaluation of five Commercial Flame Photometers suitable for the Simultaneous Determination of Sodium and Potassium March 1970 P. M. G. BROUGHTON and J. B. DAWSON 85p (\$2)

SCIENTIFIC REVIEWS

1 The Assessment of Thyroid Function March 1971 F. V. FLYNN and J. R. HOBBS 62½p (\$1.50)

2 Renal Function Tests Suitable for Clinical Practice January 1972 F. L. MITCHELL, N. VEALL, and R. W. E. WATTS 62½p (\$1.50)

TECHNICAL BULLETINS

9 Determination of Urea by AutoAnalyzer November 1966 RUTH M. HASLAM 42½p (\$1)

11 Determination of Serum Albumin by AutoAnalyzer using Bromocresol Green October 1967 B. E. NORTHAM and G. M. WIDDOWSON 42½p (\$1)

13 An Assessment of the Technicon Type II Sampler Unit March 1968 B. C. GRAY and G. K. MCGOWAN 42½p (\$1)

14 Atomic Absorption Spectroscopy. An outline of its principles and a guide to the selection of instruments May 1968 J. B. DAWSON and P. M. G. BROUGHTON 42½p (\$1)

15 A Guide to Automatic Pipettes (2nd edition) June 1968 P. M. G. BROUGHTON 42½p (\$1)

16 A Guide to Automation in Clinical Chemistry May 1969 P. M. G. BROUGHTON 62½p (\$1.50)

17 Flame Photometers (2nd edition) 1969 P. WILDING 62½p (\$1.50)

18 Control Solutions for Clinical Biochemistry (4th edition) March 1970 P. M. G. BROUGHTON 62½p (\$1.50)

19 Spectrophotometers. A comparative list of low-priced instruments readily available in Britain May 1970 C. E. WILDE and P. SEWELL 62½p (\$1.50)

20 Quantities and Units in Clinical Biochemistry June 1970 P. M. G. BROUGHTON 62½p (\$1.50) More than 30 copies in units of 10 at 20p

21 Filter Fluorimeters: A comparative list of 18 instruments September 1970 H. BRAUNSBURG and S. S. BROWN 62½p (\$1.50)

22 Bilirubin standards and the Determination of Bilirubin by Manual and Technicon AutoAnalyzer Methods. January 1971 BARBARA BILLING, RUTH HASLAM and N. WALD 62½p (\$1.50)

23 Interchangeable Cells for Spectrophotometers and Fluorimeters September 1971 E. S. BROWN and A. H. GOWENLOCK 62½p (\$1.50)

24 Simple Tests to Detect Poisons March 1972 B. W. MEADE *et al.* 62½ (\$1.50)

- Spellacy, W. N., Bui, W. C., Spellacy, C. E., Moses, L. E., Goldzieher, J. W. (1970). Glucose, insulin and growth hormone studies in long-term users of oral contraceptives. *Amer. J. Obstet. Gynec.*, **106**, 173-182.
- Spellacy, W. N., Carlson, K. L., Birk, S. A., and Schade, S. L. (1968). Glucose and insulin alterations after one year of combination type oral contraceptive treatment. *Metabolism*, **17**, 496-501.
- Spellacy, W. N., Carlson, K. L., and Schade, S. L. (1967). Human growth hormone levels in normal subjects receiving an oral contraceptive. *J. Amer. med. Ass.*, **202**, 451-454.
- Wynn, V., and Doar, J. W. H. (1966). Some effects of oral contraceptives on carbohydrate metabolism. *Lancet*, **2**, 715-720.
- Wynn, V., and Doar, J. W. H. (1969). Some effects of oral contraceptives on carbohydrate metabolism. *Lancet*, **2**, 761-766.
- Yen, S. S. C., and Vela, P. (1968). Effects of contraceptive steroids on carbohydrate metabolism. *J. clin. Endocr.*, **28**, 1564-1570.
- Young, F. G. (1963). Insulin and insulin antagonism. *Endocrinology*, **73**, 654-664.

The March 1972 Issue

THE MARCH 1972 ISSUE CONTAINS THE FOLLOWING PAPERS

- The origin of fibrin breakdown products and the interpretation of their appearance in the circulation
M. J. GALLIMORE, H. M. TYLER, AND J. T. B. SHAW
- Timed fibrin digestion: A simplified technique for the measurement of the fibrinolytic activity of the blood
J. A. HICKMAN AND I. C. GORDON-SMITH
- Effect of trimethoprim on folate-dependent DNA synthesis in human bone marrow
JANE SIVE, R. GREEN, AND J. METZ
- Manipulative and inherent errors in anti-D quantitation using the AutoAnalyzer
H. H. GUNSON, P. K. PHILLIPS, AND F. STRATTON
- The adverse effect of bromelin in anti-D quantitation using the AutoAnalyzer
H. H. GUNSON, P. K. PHILLIPS, AND F. STRATTON
- Aggregation of human platelets by commercial preparations of bovine and porcine antihæmophilic globulin
C. D. FORBES, R. D. BARR, G. P. MCNICOL, AND A. S. DOUGLAS
- Evaluation of an automatic platelet counting system utilizing whole blood
R. M. ROWAN, W. ALLAN, AND R. J. PRESCOTT
- The lethal effect of tryptone-soya broth
PAMELA M. WATERWORTH
- Normal osteoid tissue
VINITA RAINA
- Necropsy findings in a case of progressive vaccinia
F. J. PARADINAS AND EVE WILTSHAW
- Histological Hashimoto's disease in a benign cystic ovarian teratoma
ALAN A. WATSON
- A method for the quantitation of small intestinal biopsy specimens
M. S. DUNNILL AND R. WHITEHEAD
- Chronic glomerular nephritis in a man with an IgM cold autoantibody of anti-I specificity and a cold lymphocytotoxic antibody
R. R. BAILEY, M. ELMAGHRABY, I. C. BALFOUR, AND T. R. MITCHELL
- Oral contraceptives and tryptophan metabolism: Effects of oestrogen in low dose combined with a progestagen and of a low-dose progestagen (megestrol acetate) given alone
D. P. ROSE AND P. W. ADAMS
- The T₄-free thyroxine index as a test of thyroid function of first choice
P. J. N. HOWORTH AND RICHARD L. WARD
- Urinary inorganic phosphorus determinations
D. H. JUNG AND A. C. PAREKH
- Technical methods*
- A fast technique for the separation and detection of amylase isoenzymes using a chromogenic substrate
T. J. DAVIES
- A screen test for rubella haemagglutination inhibition antibodies
W. R. G. THOMAS AND WENDY J. KEMPSSELL
- A rapid staining technique for *Pneumocystis carinii*
J. W. SMITH AND W. T. HUGHES
- A simple method for studying nuclear division in free-living soil amoebae
ADELE JAMIESON AND KEVIN ANDERSON
- Letters to the Editor
- Book reviews

Copies are still available and may be obtained from the PUBLISHING MANAGER,
BRITISH MEDICAL ASSOCIATION, TAVISTOCK SQUARE, LONDON, WC1H 9JR, price £1.05

class photomicrographs: the whole impression is of a well balanced textbook following a carefully thought-out and skilfully executed policy from start to finish. It is a pleasure to the teacher to have again available an up-to-date British textbook that he can recommend to his students with complete confidence.

T. CRAWFORD

Methods and Achievements in Experimental Pathology. Vol. 5. **Functional Morphology of the Heart** Edited by E. Bajusz and G. Jasmin. (Pp. viii + 593; illustrated. £20.85.) Basel, Munchen, London, New York, Sydney; S. Karger. 1971.

This is an important book for all of us who are interested in cardiac pathology—and which of us is not? It brings to the study of the dead heart the essential dimension of function that has been so sadly lacking in most accounts of the morphology of heart disease.

As with any multiple-author book there is a good deal of variation in quality between the chapters, but the whole volume is worthy of the pathologist's careful study. The illustrations also vary somewhat in quality but there is a liberal allowance of excellent electronmicrographs.

To sum up, this book is highly recommended to research workers in this field and it will make interesting holiday reading for all pathologists

T. CRAWFORD

Immunology for Undergraduates. Second Edition By D. M. Weir. (Pp. 158; illustrated. 80p.) Edinburgh and London: Churchill Livingstone. 1971.

The second edition of this paperback, following so closely on the first edition published in 1970, testifies to its usefulness. It is a remarkably condensed account of the whole field of immunology, from the mechanisms of innate and acquired immunity to such specialized topics as autoimmunity, transplantation, immuno-haematology, and the immunology of cancer, all of which are briefly but adequately discussed. The text is illustrated by 33 figures, most of which are line drawings, and there are also six tables. The general layout of the book is satisfactory, but there are a number of questionable statements. It is doubtful,

for instance, whether anaphylatoxin and complement components are required in anaphylactic allergy for the release of histamine from mast cells (page 71), and the statement that from about 20 weeks onwards the foetus synthesizes IgM and IgG (page 38) does not appear satisfactory as it stands. Certainly IgM can be synthesized as a response to intrauterine infection, but this is hardly a normal occurrence. The Epstein-Barr virus is not a reovirus (page 126) but a herpesvirus. Nevertheless this is a satisfactory primer in immunology, and can be recommended to undergraduates.

M. S. ISRAEL

Immunopathologie und Transplantation Edited by H. Meessen and G. Seifer (Pp. xii + 339; illustrated. DM 74.—.) Stuttgart: Gustav Fischer Verlag. 1971.

This book is the report of a symposium on transplantation immunopathology held by the German Pathology Society. The short papers start with an outline of the basic immunological responses to transplantation, this is by contributions in many areas to the immunopathology of transplantation, and also of related immunological or possibly immunological disorders. The contributions come from several countries and the papers are even more diverse, so that there is something for everyone who has an interest in immunopathology. However, as is common in a symposium of this kind, there are several contributions which are very peripheral to the main theme. The brevity of each paper in the large area covered does not make for much study in depth of any section. There are nevertheless a number of useful studies of particular aspects of the subject. It is a volume for those specifically involved in the area, rather than those with a general pathological interest. The book is well produced and English summaries of each paper are included.

JAMES F. MOWBRAY

Conferences

III Congress of the International Society on Thrombosis and Haemostasis

The III Congress of the International Society on Thrombosis and Haemostasis will be held at the Mayflower Hotel from 22 to 26 August 1972 in Washington, DC. The Congress is cosponsored by the Council on Thrombosis of the American Heart Association. For further information contact: Harold R. Roberts, MD, Chairman of the Organizing Committee, Box 630, Chapel Hill, NC 27514, USA.

XI International Congress of the International Society of Geographical Pathology

The meeting will be held at the University of Newcastle upon Tyne from 17 to 22 August 1972.

Topics: Oral pathology, intestinal pathology, and hypobaric pathology.

Further information and application forms from Professor I. Rannie, Dental School, Newcastle upon Tyne NE1 8TA.

Disorders of Lipid Metabolism

The Association of Clinical Pathologists through its Chemical Pathology Committee is again arranging a symposium on chemical pathology in relation to clinical medicine at the Royal Society of Medicine. The topic this year will be 'Disorders of lipid metabolism' and the symposium is being held on 27 and 28 November under the chairmanship of Dr Barry Lewis (Royal Postgraduate Medical School).

SI Units

From 1972 all measurements in chemical pathology and haematology, where appropriate, should be expressed in SI units (*J. clin. Path.*, 23, 818-819). Most papers which have already been accepted will retain the original nomenclature, but would authors submitting new papers kindly use SI units with the old notation following in brackets.