

Editorial Board

H. E. M. Kay }
G. Slavin } (Joint Editors)
R. A. B. Drury }
M. S. Dunnill }
G. L. Gibson }
N. R. Grist }
L. Å. Hanson (Sweden) }
M. S. R. Hutt }
W. J. Jenkins }
D. M. Jones }
E. J. L. Lowbury }
B. Naylor (USA) }
M. G. Rinsler }
M. Sandler }

A. I. Spriggs
J. Stuart
C. Sultan (France)
A. Voller
H. B. Goodall (Publications
Secretary, Association of Clinical
Pathologists)
Joan F. Zilva (representing the
Association of Clinical
Biochemists)
I. C. M. MacLennan (representing
the British Society for
Immunology)
EDITOR *British Medical Journal*
Beryl Flitton (Technical Editor)

General Advisory Board

E. N. Allott
Rosemary Biggs
Sir Frank M. Burnet (Australia)
Sir John Dacie, FRS
W. M. Davidson
M. Hynes
N. H. Martin
Dorothy S. Russell
E. Joan Stokes
M. M. Wintrobe (USA)

Officers of the Association of Clinical Pathologists

President: N. H. Ashton
Vice-Presidents: C. Giles
I. Rannie
President-Elect: Sir Robert Williams

Chairman of Council: A. C. Hunt
Honorary Secretary: G. W. Pennington
Honorary Treasurer: J. Burston
Meetings Secretary: Rosalinde Hurley

Papers should be sent in duplicate to the Editors, *Journal of Clinical Pathology*, BMA House, Tavistock Square, London WC1H 9JR. They should be in double-spaced typewriting on one side of the paper only. The name of the author with initials (or distinguishing Christian name) should be followed by the name and address of the laboratory where the work was performed. A definition of the position held by each author should be stated in a covering letter to the Editor. All papers with joint authorship should be accompanied by the signatures of all the authors. Results should not be shown as both tables and graphs.

ACKNOWLEDGMENT A stamped addressed postcard should be enclosed for return to the author as acknowledgment of receipt of the manuscript. Overseas authors should enclose international reply paid coupons.

ILLUSTRATIONS Diagrams should be drawn in Indian ink on stout white paper. The legends for illustrations should be typed on a separate sheet. Photographs and photomicrographs should be on glossy paper, unmounted.

CHEMICAL FORMULAE should as far as possible be written in a single horizontal line

ABBREVIATIONS In general, symbols and abbreviations should be those used by the *Biochemical Journal*.

SI UNITS The units in which the work was done should be cited first followed by traditional units or SI units in parentheses. Such conversion is the responsibility of the author. A conversion factor shall be given as a footnote to tables and in legends to figures.

ETHICS The critical assessment of papers submitted will include ethical considerations.

REFERENCES Number references consecutively in the order in which they are first mentioned in the text. Identify references in the text by arabic numerals (in parentheses). References cited only in tables or in legends to figures should be numbered in accordance with a sequence established by the first identification in the text of the particular table or illustration. The references should be given in the form used by *Index Medicus*:

Journal (List all authors when six or less; when seven or more, list only first three and add *et al.*)

Soter N A, Wassermann S I, Austen K F. Cold urticaria: release into the circulation of histamine and eosinophil chemotactic factor of anaphylaxis during cold challenge. *N Engl J Med* 1976; **294**, 687-690.

Book

Osler A G. *Complement: mechanisms and functions*. Englewood Cliffs: Prentice Hall, 1976.

REPRINTS Twenty-five reprints will be supplied free of charge and further reprints may be ordered when the proof is returned.

NOTICE TO ADVERTISERS Applications for advertisement space and for rates should be addressed to the Advertisement Manager, *Journal of Clinical Pathology*, BMA House, Tavistock Square, London, WC1H 9JR.

NOTICE TO SUBSCRIBERS The *Journal of Clinical Pathology* is published monthly. The annual subscription rates are £30 in the UK and the Republic of Ireland and US\$70.50 in all countries overseas. Payment for overseas subscriptions should be made in US dollars, ie, US\$70.50, or in your national currency based on the prevailing exchange rate to the US dollar of that currency, payable to the British Medical Association. Orders can also be placed locally with any leading subscription agent or bookseller. (For the convenience of readers in the USA subscription orders, with or without payment, can also be sent to *British Medical Journal*, 1172 Commonwealth Avenue, Boston, Mass. 02134. All enquiries, however, must be addressed to the publisher in London.) All enquiries regarding air mail rates and single copies already published should be addressed to the publisher in London.

COPYRIGHT © 1979 *Journal of Clinical Pathology*. This publication is copyright under the Berne Convention and the International Copyright Convention. All rights reserved. Apart from any relaxations permitted under national copyright laws, no part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means without the prior permission of the copyright owners. Permission is not, however, required to copy abstracts of papers or of articles on condition that a full reference to the source is shown. Multiple copying of the contents of the publication without permission is always illegal.

- International Congress Series, 233), edited by R. L. Nichols, pp. 113-123. Excerpta Medica, Amsterdam.
- Kuo, C. C., Wang, S. P., and Grayston, J. T. (1972). Differentiation of TRIC and LGV organisms based on infectivity by DEAE-dextran in cell culture. *Journal of Infectious Diseases*, **125**, 313-317.
- Mårdh, P. A., Ripa, T., Svensson, L., and Weström, L. (1977). *Chlamydia trachomatis* infection in patients with acute salpingitis. *New England Journal of Medicine*, **296**, 1377-1379.
- Rees, E., Tait, I. A., Hobson, D., and Johnson, F. W. A. (1977). Perinatal chlamydial infection. In *Non Gonococcal Urethritis and Related Infections*, edited by D. Hobson and K. K. Holmes, pp. 140-147. American Society for Microbiology, Washington, DC.
- Russell, W. C., Newman, C., and Williamson, D. H. (1975). A simple cytochemical technique for demonstration of DNA in cells infected with mycoplasmas and viruses. *Nature*, **253**, 461-462.
- Thomas, B. J., Evans, R. T., Hutchinson, G. R., and Taylor-Robinson, D. (1977). Early detection of chlamydial inclusions combining the use of cycloheximide-treated McCoy cells and immunofluorescence staining. *Journal of Clinical Microbiology*, **6**, 285-292.

Requests for reprints to: Dr M. E. Ward, University Microbiology, South Laboratory and Pathology Block, Southampton General Hospital, Tremona Road, Southampton SO9 4XY.

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 Publishing Department, British Medical Journal (ACB Technical Bulletins), B.M.A. House, Tavistock Square, London WC1H 9JR. Overseas readers should remit by British Postal or Money Order.

SCIENTIFIC REVIEWS (price £1.00/\$2.00 each)

- 1 The assessment of thyroid function March 1971
F. V. FLYNN and J. R. HOBBS
- 2 Renal function tests suitable for clinical practice
January 1972 F. L. MITCHELL, N. VEALL, and R. W. E. WATTS
- 3 Biochemical tests for the assessment of fetoplacental
function May 1975 C. E. WILDE and R. E. OAKEY
- 4 Test of exocrine pancreatic function March 1977
A. H. GOWENLOCK
- 5 Assay of cholinesterase in clinical chemistry March
1979 ELSIE SILK, J. KING, and MARY WHITTAKER

TECHNICAL BULLETINS (price £1.00/\$2.00 each)

- 22 Bilirubin standards and the determination of bilirubin
by manual and technicon AutoAnalyzer methods
January 1971 BARBARA BILLING, RUTH HASLAM, and N.
WALD
- 23 Interchangeable cells for spectrophotometers and
fluorimeters September 1971 S. S. BROWN and A. H.
GOWENLOCK
- 24 Simple tests to detect poisons March 1972 B. W.
MEADE *et al.*
- 25 Blood gas analysers May 1972 K. DIXON
- 26 Kits for enzyme activity determination September
1972 S. B. ROSALKI and D. TARLOW
- 27 Assessment of pumps suitable for incorporation into
existing continuous flow analytical systems November
1972 A. FLECK *et al.*

- 28 Routine clinical measurements of transferrin in
human serum September 1973 K. DIXON
- 29 Control materials for clinical biochemistry (5th
edition) September 1973 J. F. STEVENS
- 30 Notes on the quality of performance of serum
cholesterol assays September 1973 S. S. BROWN
- 31 Determination of uric acid in blood and in urine
July 1974 R. W. E. WATTS
- 32 A survey of amino acid analysers readily available in
the United Kingdom September 1974 J. E. CARLYLE
and P. PURKISS
- 33 Definitions of some words and terms used in auto-
mated analysis November 1974 A. FLECK, R. ROBINSON,
S. S. BROWN, and J. R. HOBBS
- 34 Measurement of albumin in the sera of patients
January 1975 LINDA SLATER, P. M. CARTER, and J. R.
HOBBS
- 35 Investigation of the validity of temperature correction
factors for serum aspartate and alanine transaminases
March 1975 S. B. ROSALKI *et al.*
- 36 Factors influencing the assay of creatinine November
1975 J. G. H. COOK
- 37 A survey of enzyme reaction rate analysers readily
available in the United Kingdom July 1977 R. A.
SAUNDERS and R. F. BURNS
- 38 Transport of specimens for clinical chemistry an-
alysis November 1977 P. WILDING, J. F. ZILVA, and
C. E. WILDE
- 39 A scheme for the evaluation of diagnostic kits May
1978 P. H. LLOYD

Broadsheets prepared by the Association of Clinical Pathologists

- 31** Investigation of haemorrhagic states with special reference to defects of coagulation of the blood 1961 (Revised 1967) E. K. BLACKBURN
- 33** The laboratory detection of abnormal haemoglobins 1961 H. LEHMANN and J. A. M. AGER (revised 1975 by H. Lehmann and R. G. Huntsman as The laboratory detection of haemoglobinopathies)
- 39** Investigation of haemolytic anaemia 1961 (Revised 1968) J. G. SELWYN
- 41** Serological test for syphilis (Revised 1969) A. E. WILKINSON
- 42** Determination of red cell enzymes (Revised 1970) C. A. WEST and T. A. J. FRANKERD
- 43** Mycological techniques 1962 (Reprinted 1966) R. W. RIDDELL
- 54** The investigation of blood transfusion reactions 1966 (Revised 1974) G. H. TOVEY and W. A. GILLESPIE
- 55** Antibiotic sensitivity tests by diffusion methods 1966 (Revised 1972) E. JOAN STOKES and PAMELA M. WATERWORTH
- 56** Haemoglobinometry by the cyanmethaemoglobin method 1967 S. M. LEWIS
- 57** Compatibility test for blood transfusion 1967 G. H. TOVEY and W. J. JENKINS
- 59** Techniques for the histological examination of the eye 1967 N. ASHTON
- 61** Screening tests for inborn errors of amino acid metabolism 1967 D. C. CUSWORTH
- 62** Preparation of undecalcified bone sections 1968 H. A. SISSONS
- 63** Tests of combined bactericidal action 1969 L. P. GARROD and PAMELA M. WATERWORTH
- 64** Histochemical enzyme techniques 1969 I. M. P. DAWSON and M. I. FILIPE (This Broadsheet is illustrated by eight colour transparencies which can be obtained from Dr J. Burston, Department of Histopathology, Central Laboratory, St Mary's General Hospital, Milton Road, Portsmouth PO3 6AG. Price £3.00, including postage.)
- 65** The immunofluorescent test for serum antinuclear factor 1969 E. L. HOLBOROW and G. D. JOHNSON
- 66** Cytological techniques for serous fluids 1970 A. I. SPRIGGS and O. A. N. HUSAIN
- 67** The laboratory investigation of muscular dystrophy 1970 V. DUBOWITZ, J. N. WALTON, B. P. HUGHES, and J. N. CUMINGS
- 68** Simplified radial immunodiffusion 1970 J. R. HOBBS
- 69** Immunofluorescence techniques in immunopathology and histopathology 1971 J. SWANSON BECK
- 70** (Revised Broadsheet 36) Quantitative determination of porphobilinogen and porphyrins in urine and porphyrins in faeces and erythrocytes 1971 C. RIMINGTON
- 71** The British comparative thromboplastin: The use of the national thromboplastin reagent for uniformity of laboratory control of oral anti-coagulants and expression of results 1970 L. POLLER
- 72** The preparation of ultra-thin sections for light microscopy 1970 C. E. LUMSDEN and S. R. APARICIO
- 73** Nervous system techniques for the general pathologist 1970 J. HUME ADAM and LEONARD MILLER
- 74** Techniques for chromosomal analysis 1971 SYLVIA D. LAWLER
- 75** Quality control in haematology 1973 I. CAVILL and A. JACOBS
- 76** A guide to the choice of optical equipment and reagents for immunofluorescence techniques 1973 C. E. D. TAYLOR, A. H. TOMLINSON, and G. V. HEIMER
- 77** Diagnosis of vitamin B₁₂ deficiency 1973 I. CHANARIN
- 78** Radioisotopic assay of vitamin B₁₂ in serum 1973 J. L. RAVEN and P. BARKHAN
- 79** Diagnosis of folate deficiency 1973 A. H. WATERS and D. L. MOLLIN
- 80** Estimation of bacteria and white cells in the urine 1973 W. BRUMFITT, A. PERCIVAL, and J. D. WILLIAMS
- 81** Blood culture technique 1974 E. JOAN STOKES
- 82** Estimation of catecholamine metabolites in urine 1974 M. SANDLER and C. R. J. RUTHVEN
- 83** Platelet function tests 1975 J. H. SANDERSON
- 86** Photomicrography 1977 R. S. FAWKES and A. C. LENDRUM
- 87** Estimation of plasma cholinesterase activity and the use of inhibitors for the determination of phenotypes 1977 MARY WHITAKER
- 88** Examination of cerebrospinal fluid protein 1978 G. H. GRANT
- 89** Handling and clinical use of blood products 1978 JOHN WALLACE and JOHN F. DAVIDSON
- 90** Practical aspects of anti-D prophylaxis of haemolytic diseases of the newborn 1978 W. WAGSTAFF
- 91** Examination of a decomposed body 1979 D. J. GEE
- 92** Diagnosis of amyloidosis 1979 C. R. TRIBE and V. A. PERRY

Notes on sterilization No. 1 Sterilization and disinfection of cytosopes 1967
Notes on establishment of a hospital radioactive tracer service 1969

Reprint No. 1 (J. clin. Path., 22, 383)
The histology and cytology of changes in the epithelium of the cervix uteri 1969 A. D. T. GOVAN, R. M. HAINES, F. A. LANGLEY, C. W. TAYLOR, and A. S. WOODCOCK

Reprint No. 2 (J. clin. Path., 24, 159)
The perinatal postmortem examination 1971 F. A. LANGLEY

Reprint No. 3 (J. clin. Path., 27, 590)
The use of SI units in reporting results obtained in hospital laboratories 1974 D. N. BARON, P. M. G. BROUGHTON, M. COHEN, T. S. LANSLEY, S. M. LEWIS, and N. K. SHINTON

Prices

INLAND One copy, £1.00; 2-10 copies (of any one broadsheet or reprint), 80p each; 11-100 copies (of any one), 60p each; 101 plus copies (of any one), price to be agreed; Authors (over 50 free copies), 60p each.

OVERSEAS One copy, \$2.00; 2-10 copies (of any one broadsheet or reprint), \$1.60; 11-100 copies (of any one), \$1.20; 101 plus copies (of any one), price to be agreed. Authors (over 50 free copies), \$1.20. Prices include postage but air mail will be charged extra. Trade discount 10%. All orders (and all changes of address of regular subscribers) should be sent to the Publishing Manager, *Journal of Clinical Pathology*, BMA House, Tavistock Square, London, WC1H 9JR.

Reduced Subscription Rates for Junior Hospital Doctors Residents and Interns...

Journal of Clinical Pathology

is available to junior hospital doctors in all parts of the world for a maximum of four consecutive years at **REDUCED Annual Subscription Rates.** (Thereafter, or when reaching consultant status, this special offer will no longer apply). The following reduced rates are unchanged for the twelve issues published in 1980.

Inland £18.00
Overseas US\$42.00

(The full rates are: Inland £34.00; Overseas US\$80.00)

The opportunity to subscribe to this journal of international authority and repute at a substantially reduced subscription rate is one not to be missed by junior doctors seeking to specialise in clinical pathology.

Please complete the adjacent order form and send for your subscription NOW.

Further order forms can be supplied on request.

ORDER FORM

BMA Publications
BMA House, Tavistock Square
London WC1H 9JR, England

Please enter my subscription to
**JOURNAL OF
CLINICAL PATHOLOGY**

- United Kingdom and
Irish Republic £18.00
 Overseas US\$42.00
 My remittance for.....
is enclosed

(Please tick appropriate boxes)

NAME.....

ADDRESS

To be completed by Consultant
*I hereby confirm that the above
mentioned doctor is a member
of the junior hospital staff/
resident/intern at*

Signed.....

Journal of Clinical Pathology