JOURNAL OF HYGIENE

(Founded in 1901 by G. F. H. Nuttall, F.R.S.)

EDITED BY

E. T. C. SPOONER, M.D.

PROFESSOR OF BACTERIOLOGY AND IMMUNOLOGY IN THE UNIVERSITY OF LONDON

AND

R. I. N. GREAVES, M.D.

READER IN BACTERIOLOGY IN THE UNIVERSITY OF CAMBRIDGE

IN CONJUNCTION WITH

W. I. B. BEVERIDGE, D.V.Sc., M.A. Professor of Animal Pathology in the University of Cambridge

A. W. DOWNIE, M.D.
Professor of Bacteriology in the University of Liverpool

J. O. IRWIN, M.A., D.Sc., Sc.D., F.S.S.
Of the Medical Research Council's Statistical Research Unit,
London School of Hygiene and Tropical Medicine

Sir WILSON JAMESON, G.B.E., K.C.B., M.D., F.R.C.P., D.P.H. Some time Chief Medical Officer, Ministries of Health and Education

G. S. WILSON, M.D., F.R.C.P., D.P.H.
Director, Public Health Laboratory Service (Medical Research Council)



CAMBRIDGE UNIVERSITY PRESS LONDON: BENTLEY HOUSE, N.W.1 NEW YORK: 32 EAST 57TH STRFET, 22

Price Forty Shillings net



STANDARD STAINS AND REAGENTS FOR MICROSCOPY

KNOWN AND USED
THROUGHOUT

THE WORLD

WRITE for any of the following literature:

- A Catalogue of Stains Z4
- **B** Gurr's Commentary
- C Laboratory Notes
- D Biological Staining Methods
- F Catalogue of Accessories

GEORGE T. GURR LTD.

Laboratories:

136 NEW KING'S ROAD LONDON, S.W.6 The British Journal of

NUTRITION

published for THE NUTRITION SOCIETY



Subscription price £3 per volume of 4 parts

Single quarterly parts
20s. each



CAMBRIDGE UNIVERSITY PRESS

BOOKS ON HYGIENE

H. K. LEWIS & Co. Ltd., can supply all Standard Works and Textbooks on Hygiene and Sanitary Science, and all branches of Medicine and Surgery. Large selection available. Catalogues on request.

MEDICAL AND SCIENTIFIC LIBRARY

ANNUAL SUBSCRIPTION FROM TWENTY-FIVE SHILLINGS

The Library includes all standard and recent works in all branches of Hygiene and Sanitary Science.

Bi-monthly List of New Books and New Editions added to the Library sent post free to any address regularly on request.

THE LIBRARY CATALOGUE revised to December 1949, containing a classified Index of Authors and Subjects is now ready. 35s. net; postage 1s.

To subscribers to the Library, 17s. 6d.; postage 1s.

SECONDHAND DEPARTMENT: 140 GOWER STREET, LONDON, W.C.1

A constantly changing large stock of Medical and Scientific Literature on view, classified under subjects.

Libraries or small collections purchased.

LONDON: 14. K. LEWIS & Co. Ltd., 136 GOWER STREET, W.C.1

Telephone: EUSton 4282. Telegrams: Publicavit: Westcent: London

Business hours: 9 a.m. to 5 p.m. Saturdays to 1 p.m.

Established 1844

INTERNATIONAL BULLETIN OF BACTERIOLOGICAL NOMENCLATURE AND TAXONOMY

Official Organ of the Judicial Commission and of the International Committee on Bacteriological Nomenclature of the International Association of Microbiologists

In January 1951 the International Association of Microbiologists published the first issue of a quarterly *Bulletin* dealing with bacterial nomenclature and taxonomy.

The Bulletin is intended as a reference journal for all interested in bacterial nomenclature. It will contain the official text of amendments to the Bacteriological Code and of "Opinions" issued by the Judicial Commission; it will publish all proposed amendments to the Code; and it will invite discussion and comment from interested bacteriologists before each problem is formally presented to the Judicial Commission or to the Nomenclature Committee.

Papers supported by experimental evidence will not appear in the *Bulletin*; but problems of taxonomy will be reviewed and discussed and recommendations of international consequence may result.

The annual subscription of \$2 (two U.S. dollars) can be made either by money order or by Unesco Book Coupon (obtained from Book Tokens Ltd., 28 Little Russell Street, London, W.C. I). It should be made payable to the International Microbiological Fund and sent to Professor R. E. Buchanan, Room 24, Curtiss Hall, Iowa State College, Ames, Iowa, U.S.A.

MICROSCOPICAL STAINS AND REAGENTS

Chosen on merit for exhibition at The Festival of Britain 1951 (Dome of Discovery)

Acridine Yellow
Auramine, O
Azo Carmine
Azur 1, 2, A, B, C & L
Azur, A, B & C Eosinates
Brom Phenol Red
Cedarwood Oil
Cresyl Fast Violet

Eosin Azur Evan's Blue Field's Stain Giemsa Stain Haematoxylin Isamine (Pyrrol) Blue Janus Green, B Lacmoid Leishman Stain Mannitol May-Grunwald Stain Methyl Red Night Blue Nile Blue Purpurin Rosolic Acid

Sudan Black B Sudan Blue Thioflavine, T Thionin Toluidine Blue Trypan Red Vital Red Wright's Blood Stain

For uniform high quality, reliability and immediate delivery stipulate MICHROME BRAND prepared only by

EDWARD GURR, LTD.

42 UPPER RICHMOND ROAD, EAST SHEEN, LONDON, S.W. 14

Telephones: Prospect 8051 & 7606 Cables: Micromlabs London

Price lists on application

Now ready: "Microscopic Staining Techniques" No. 1 (24 pages) 1s. 6d., No. 2 (62 pages) 3s. 6d., No. 3 (64 pages) 3s. 6d. by EDWARD GURR, F.R.I.C., F.L.S., F.R.M.S.

The Quarterly Journal of Medicine

Edited by W. RUSSELL BRAIN, CRIGHTON BRAMWELL, W. D. W. BROOKS, D. M. DUNLOP, H. L. MARRIOTT, ROBERT PLATT

CONTENTS

NEW SERIES. Vol. XX. No. 78. APRIL 1951 (Vol. XLIV of the continuous series)

Subacute Bacterial Endocarditis. By J. E. CATES and RONALD V. CHRISTIE.

Chronic Monocytic Leukaemia. By J. W. BEATTIE, R. M. E. SEAL and K. V. CROWTHER. With Plates 16 to 19.

The Effect of Tobacco on Lung-Volume. By A. G. W. Whitfield, W. Melville Arnott and J. A. H. Waterhouse.

Uraemia Complicating Low Salt Treatment of Heart Failure. By A. B. Black and J. A. Litchfield.

Heart Failure in Acute Nephritis. By C. E. Davies.

Carcinoma of the Bronchus. By C. C. Bryson and H. Spencer. With Plate 20.

Megaloblastic Anaemia of Pregnancy and the Puerperium. By R. B. Thompson and C. C. Ungley.

Single Numbers 10s. 6d. net each Volumes 45s. net Subscription 35s. per annum Bound Volumes 40s. net

Cloth Cases 5s. net

OXFORD UNIVERSITY PRESS, LONDON E.C. 4

Increased Range -



COMPLETE CULTURE MEDIA

TABLETS

For single tubes and small quantities of media

GRANULES

For larger scale preparation

MacCONKEY BROTH (Official Formula)

MacCONKEY BROTH (Purple)

MacCONKEY AGAR

GLUCOSE PEPTONE AGAR

LAB-LEMCO BROTH

LAB-LEMCO AGAR

THIOGLYCOLLATE MEDIUM (Brewer)

SABOURAUD AGAR

PEPTONE WATER

BRILLIANT GREEN BILE (2%) BROTH

AGAR-AGAR

GLUCOSE PEPTONE BROTH

NUTRIENT AGAR

NUTRIENT BROTH

YEAST EXTRACT AGAR

EDWARDS AGAR (Modified)

MILK AGAR (Official Formula)

MILK AGAR (For Roll Tubes)

TETRATHIONATE BROTH BASE

WILSON & BLAIR MEDIUM (Bismuth Sulphite Agar)

For those who prefer to prepare their own media, the following **OXOID** preparations are available:—

BACTERIOLOGICAL LIVER EXTRACT

AGAR-AGAR

DESICCATED OX BILE

DESICCATED OX HEART

BILE SALTS

LAB-LEMCO

MYCOLOGICAL PEPTONE

BACTERIOLOGICAL PEPTONE

BACTERIOLOGICAL YEAST EXTRACT

FULL INFORMATION ON ANY OF THE ABOVE IS READILY AVAILABLE FROM

OXO LIMITED (Medical Dept.)

Thames House, Queen St. Place, London, E.C.4. Tel. CENtral 9781

ERRATUM

The Detection of Streptococci in Air.

By R. E. O. WILLIAMS and A. HIRCH.

Vol. 48, no. 4, p. 507.

In the composition of the selective medium in lines 6-10, the concentration of potassium tellurite should be 1.0 mg. % and of crystal violet 0.25 mg. % instead of as printed.