

1312/8

Vol. 86. No. 1

February 1981

1 BOOK 1981
86 (1-3)

THE JOURNAL OF HYGIENE

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

EDITED BY

J. R. PATTISON, M.A., D.M.

M. J. LEWIS, M.D., J. H. McCOY, M.B., D.P.H.

W. C. NOBLE, D.Sc., F.R.C.PATH.

WITH THE ASSISTANCE OF DR J. M. BOISSARD

IN CONJUNCTION WITH

R. D. BARRY, M.A., B.V.Sc., Ph.D., Sc.D.

A. B. CHRISTIE, M.A., M.D., F.R.C.P., F.F.C.M.

A. W. DOWNIE, M.D., F.R.S.

R. I. N. GREAVES, M.D., F.R.C.P.

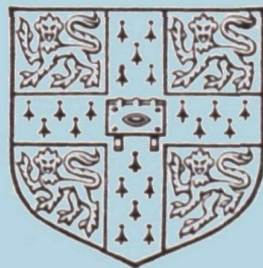
O. M. LIDWELL, D.Phil.

J. NAGINGTON, M.D.

HILLAS SMITH, M.A., M.D., F.R.C.P.

C. C. SPICER, M.R.C.P.

SIR GRAHAM WILSON, M.D., LL.D., F.R.C.P., D.P.H., F.R.S.



CAMBRIDGE UNIVERSITY PRESS

The Pitt Building, Trumpington Street, Cambridge CB2 1RP

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

The Journal of Hygiene

The *Journal of Hygiene* publishes reports of research and original findings in subjects related to hygiene, preventive and social medicine. The field covered is broad and includes infection, microbiology, virology, immunity, epidemiology, food hygiene, sanitary bacteriology, statistics and the clinical and social aspects of disease.

Infection is defined in the widest sense and is concerned with the control of infectious disease in the community and within institutions and includes medical microbiology, clinical immunology, epidemiology, and the laboratory and clinical aspects of antimicrobial chemotherapy.

Papers for publication should be sent to the Editor, Department of Medical Microbiology, King's College Hospital Medical School, Denmark Hill, London SE5 8RX. Three copies should be submitted. Papers forwarded to the Editor for publication are understood to be offered to *The Journal of Hygiene* alone, unless the contrary is stated.

Contributors receive twenty-five copies of their paper free. Additional copies may be purchased; these should be ordered when the final proof is returned.

© Cambridge University Press 1981

PERMISSIONS

Copying

This journal is registered with the Copyright Clearance Center, 21 Congress Street, Salem, Mass, 01970. Organizations in the U.S.A. who are also registered with the C.C.C. may therefore copy material (beyond the limits permitted by sections 107 and 108 of U.S. copyright law) subject to payment to C.C.C. of the per-copy fee indicated in the code on the first page of the article. This consent does not extend to multiple copying for promotional or commercial purposes.

ISI Tear Service 3501 Market Street, Philadelphia, Pennsylvania 19104, U.S.A., is authorized to supply single copies of separate articles for private use only.

For all other use, permission should be sought from the Cambridge or New York offices of the Cambridge University Press.

SUBSCRIPTIONS

The Journal of Hygiene (ISSN: 0022-1724) is published six times a year in February, April, June, August, October and December.

Single parts £11.00 net (US \$32.50 in the U.S.A. and Canada) plus postage.

Three parts form a volume; two volumes are published per year. The subscription price (which includes postage) of volumes 86 and 87 (1981) is £26.00 net per volume (US \$77.00 in the U.S.A. and Canada).

Second class postage paid at New York, N.Y.

Quotations for back volumes may be obtained from the publisher.

Claims for missing issues should be made immediately upon receipt of the subsequent issue.

Orders, which must be accompanied by payment, should be sent to a bookseller or subscription agent or to the publishers, Cambridge University Press, at The Edinburgh Building, Shaftesbury Road, Cambridge CB2 2RU, or in the U.S.A. and Canada at 32 East 57th Street, New York, N.Y. 10022. POSTMASTER: send address changes in U.S.A. and Canada to Cambridge University Press, 32 East 57th Street, New York, N.Y. 10022.