

Vol. 87, No. 2

October 1981

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.

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 infectious diseases. Particular emphasis is given to the epidemiology, prevention and control of such diseases, but the field covered is broad and includes the microbiological, virological, immunological, clinical and social aspects of infectious diseases of man and animals.

NOTES FOR CONTRIBUTORS

Papers for publication should be sent to Professor J. R. Pattison, Department of Medical Microbiology, King's College Hospital Medical School, Denmark Hill, London SE5 8RX. The typescript and two copies should be sent with 3 copies of all tables and illustrations. Papers forwarded to the Editor for publication are understood to be offered to the *Journal of Hygiene* alone, unless the contrary is stated.

continued on inside back cover

© 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 of \$02.00. This consent does not extend to multiple copying for promotional or commercial purposes. Code 0022-1724/81/2828-0001 \$02.00.

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., and at additional mailing offices.

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.