Journal of Applied Bacteriology

Published for the Society for Applied Bacteriology

The Society for Applied Bacteriology launched the *Journal of Applied Bacteriology* in 1954 and since that time the journal has grown in size, in prestige and in the subject matter covered. It has established an international reputation with readers and authors; indeed each number of the journal contains papers from worldwide sources. The Society's interest in the systematics and ecology of groups of microorganisms is reflected in the journal, which publishes five types of article:

Review articles: a substantial survey with an adequate historical perspective

Observation articles: a succinct discussion of current concepts and developments in applied microbiology

Full-length papers: the development of concepts as well as the recording of facts

A note on ...: research having narrow, readily defined limits, or contributions to the knowledge but not the development of concepts

Technical notes: details of new methods, techniques or apparatus

Subscription Information

Journal of Applied Bacteriology is published monthly together with *Letters in Applied Microbiology*. The subscription also includes the Annual S.A.B. Symposium volume and rates for 1987 are £112.50 (UK), $235.00 (USA, Canada & Japan), £135.00 (elsewhere) post free.

Order Form

Please tick the appropriate box and return to **Blackwell Scientific Publications Ltd, P.O. Box 88, Oxford, England.**

☐ I would like to subscribe to *Journal of Applied Bacteriology*

☐ I wish to pay by cheque/money order *(delete as necessary)* and enclose the sum of .....

☐ I wish to pay by Access/Barclaycard/VISA/Mastercard *(delete as necessary)*

Please debit my credit card no. ☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐

Expiry date..... with the sum of .....

Signature..... Date .....

☐ Please send me a specimen copy of *Journal of Applied Bacteriology*

Name.....

Address.....

.....

Blackwell Scientific Publications
P.O. Box 88, Oxford, England

Continued from back cover

The assessment of two media for the confirmation of *Escherichia coli* in water samples in single-tube tests
Papadakis, J. A. and Mavridou, A. 155
Widespread *Legionella pneumophila* contamination of dental stations in a dental school without apparent human infection
Oppenheim, B. A., Sefton, A. M., Gill, O. N., Tyler, J. E., O'Mahony, M. C., Richards, J. M., Dennis, P. J. L. and Harrison, T. G. 159
A food-poisoning incident caused by *Clostridium botulinum* toxin A in Japan
Otofuji, T., Tokiwa, H. and Takahashi, K. 167
Observations on the incidence of herds with non-visible lesioned tuberculin test reactors in south-west England
Wilesmith, J. W. and Williams, D. R. 173
***Haemophilus influenzae* subtyping by SDS-PAGE of whole-cell polypeptides**
Paterson, A. J., MacSween, K. F. and Pennington, T. H. 179
Characterization of non-typable strains of *Staphylococcus aureus* from cases of hospital infection
Vindel, A., Martin-Bourgon, C. and Saez-Nieto, J. A. 191
Four outbreaks of nosocomial systemic candidiasis
Burnie, J. P., Matthews, R., Lee, W., Philpott-Howard, J., Brown, R., Damani, N., Breuer, J., Honeywell, K. and Jordans, Z. 201
An epidemiologic study of the fungal skin flora among the elderly in Alexandria
Gad, Z. M., Sherif, A. A., Mahfouz, A. A., Youssef, N., Hasab, A. A. and Hassan, M. N. R. 213

VOLUME 99 NUMBER 1 AUGUST 1987

Epidemiology and Infection

(Formerly the Journal of Hygiene)

Original reports and reviews on all aspects of infection of man and animals

CONTENTS

Special Article. What is the true nature of epidemic influenza virus and how do new epidemic viruses spread?
Oxford, J. S. 1

A new concept of the epidemic process of influenza A virus
Hope-Simpson, R. E. and Golubev, D. B. 5

Influenza A and B virus IgG and IgM serology by enzyme immunoassays
Koskinen, P., Vuorinen, T. and Meurman, O. 55

The epidemiology of mumps in the UK: a preliminary study of virus transmission, herd immunity and the potential impact of immunization
Anderson, R. M., Crombie, J. A. and Grenfell, B. T. 65

Measles antibody levels in children of rural and urban areas of Nigeria following vaccination campaign
Eghafona, N. O., Odama, L. E., Emejuaiwe, S. O., Obineche, E. N. and Tafida, D. S. 85

Persistence of rabies antibody 5 years after pre-exposure prophylaxis with human diploid cell antirabies vaccine and antibody response to a single booster dose
Rodrigues, F. M., Mandke, V. B., Roumiantzeff, M., Mohan Rao, C. V. R., Mehta, J. M., Pavri, K. M. and Poonawalla, C. 91

Paralytic poliomyelitis in England and Wales, 1970–84
Begg, N. T., Chamberlain, R. and Roebuck, M. 97

Serological studies on British isolates of the Sejroe serogroup of leptospira. II. An evaluation of the factor analysis method of identifying leptospires using strains belonging to the Sejroe serogroup
Little, T. W. A., Stevens, A. E. and Hathaway, S. C. 107

Serological studies of British leptospiral isolates of the Sejroe serogroup. III. The distribution of leptospires of the Sejroe serogroup in the British Isles
Little, T. W. A., Stevens, A. E. and Hathaway, S. C. 117

An evaluation of a commercially available enzyme immunoassay test for the rapid detection of salmonellae in food and environmental samples
Harford, J. P. 127

Old and new techniques together resolve a problem of infection by *Salmonella typhimurium*
Platt, D. J., Brown, D. J., Old, D. C., Barker, R. M., Munro, D. S. and Taylor, J. 137

Comparison of procedures based upon Rappaport–Vassiliadis medium with those using Muller–Kauffmann medium containing Tecpol for the isolation of *Salmonella* sp.
Vassiliadis, P., Mavromati, Ch., Trichopoulus, D., Kalapothaki, V. and Papadakis, J. 143

Investigation of the source of haemolytic *Escherichia coli* infecting weaned pigs
Hampson, D. J., Fu, Z. F. and Robertson, I. D. 149

Continued inside back cover

Cambridge University Press

The Pitt Building, Trumpington Street, Cambridge CB2 1RP
32 East 57th Street, New York, NY 10022, USA
10 Stamford Road, Oakleigh, Melbourne, 3166, Australia

Printed in Great Britain by the University Press, Cambridge