

Journal of Applied Bacteriology

Published by the Society for Applied Bacteriology

Editor: Professor M. Sussman *Department of Microbiology, Medical School,
The University, Newcastle-upon-Tyne NE1 7RU, England*

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. Subscription rates for 1985 are £95.00 (UK), £114.00 (overseas), \$197.50 (USA & Canada) post free. Subscriptions and free specimen copies are available from:

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

BLACKWELL SCIENTIFIC PUBLICATIONS LTD

P.O. Box 88, Oxford, England.

*Gaps in your scientific
knowledge?*

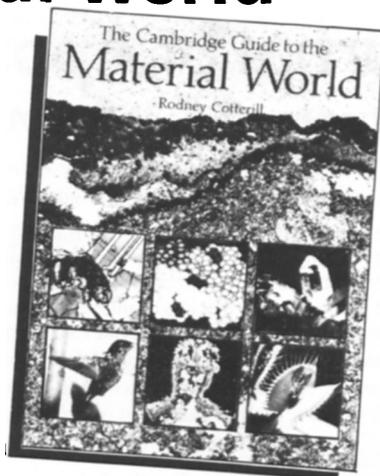
bring yourself up-to-date with

The Cambridge Guide to the Material World

RODNEY COTTERILL

Rodney Cotterill's *The Cambridge Guide to the Material World* provides a unique single-volume introduction to the materials found on this planet, both organic and inorganic.

The opening sections are devoted to such fundamental topics as the nature of the atom, the structure of molecules and the common states of matter. There then follow chapters on specific classes of material, notably ceramics, glasses, metals, conductors and insulators, liquid crystals, and natural and synthetic polymers. Minerals, water and the living cell are considered in detail and the book concludes with a characteristically lucid discussion of the molecular structure of plant and animal life. Each chapter is packed with fascinating examples and analogies, and closes with a useful summary of what has gone before.



- ★ Numerous full colour photographs and illustrations
- ★ Text and illustrations carefully integrated to ensure maximum clarity and readability
- ★ Topics requiring special attention prominently highlighted in display panels

297 x 210 mm 352 pp. 190 illustrations including 90 in full colour and 30 in two colours
0 521 24640 7

£17.50 net

CAMBRIDGE UNIVERSITY PRESS
The Edinburgh Building, Shaftesbury Road, Cambridge CB2 2RU, England

NOTES FOR CONTRIBUTORS

Papers for publication should be sent to Professor J. R. Pattison, Faculty of Clinical Sciences, School of Medicine, University College London, University Street, London WC1E 6JJ. The typescript and two copies should be sent with 3 copies of all tables and illustrations. Authors are requested to include a self addressed envelope for acknowledgement of receipt. Papers forwarded to the Editor for publication are understood to be offered to the *Journal of Hygiene* alone, unless the contrary is stated.

General

Careful preparation of manuscripts will promote rapid publication. Authors are advised to refer to a recent issue of the journal in addition to the notes below, paying particular attention to the form of references, tables and figures and the use of symbols and abbreviations. Papers should be in double-spaced typescript throughout (including reference lists, footnotes and legends) on A4 paper with a left hand margin of at least 4 cm.

Format

Papers must commence with a separate title page indicating the full title, initial(s), surname(s), address(es) of the authors and a short title not exceeding 45 characters. Papers should usually be divided into SUMMARY, INTRODUCTION, MATERIALS AND METHODS, RESULTS, DISCUSSION and REFERENCES. Some observations are best described in the form of a continuous narrative with the only subsection being a Summary at the beginning. Such papers will also be considered.

Acknowledgements are put at the end of the discussion after a space of one line.

Tables

Tables should be numbered separately with arabic numerals and each table typed on a separate sheet of paper. Whenever possible they should be so designed that they can be printed across the width of a page. Note that columns and lines are not separated by vertical or horizontal lines but are grouped by the use of braces of varying lengths.

Illustrations

Line drawings, diagrams and charts should be accurately drawn on plain white board or paper or faintly blue-lined graph paper and should not be more than twice publication size. Points should be indicated by the following symbols: ○, △, □, ●, ■. Lettering and numbering will not be directly reproduced but should be clearly shown either in pencil on the drawing or on overlaid transparent paper.

Photographs should be sent as unmounted glossy prints with good contrast. Their position in the text should be indicated by 'Figure . . . near here'.

Legends for figures should be typed on separate sheets of paper. Each illustration should bear on the back the author's name and illustration number.

References

In the text references by up to three authors are cited in the form Jones, Smith & Brown (1950) and those by four or more authors in the form Jones *et al.* (1950).

The reference list must be in double-spaced typescript, should be arranged alphabetically and should include authors' names, initials, year of publication in parentheses, title of the paper, name of the journal *in full*, the volume number and first and last page numbers. References to books and monographs should be in the form: authors' names, initials, year of publication in parentheses, title, edition editors (if appropriate), page number(s), place of publication and publisher. The authors should pay particular attention to the format and punctuation of the following examples:

ANDERHUB, B., PITT, T. L., ERDMAN, Y. J. & WILLOX, W. R. (1977). The comparison of typing methods for *Serratia marcescens*. *Journal of Hygiene* 79, 89-102.

DUBEY, J. P. (1977). *Toxoplasma, Hammondia, Besnoitia, Sarcocystis*, and other tissue cyst-forming Coccidia of man and animals. In *Parasitic Protozoa*, vol. III (ed. J. P. Kreier), pp. 101-237. New York: Academic Press.

MARTIN-LUENGO, F., LOPEZ-AZORIN, F. & BERNAL, M. (1981). Activity of nine cephalosporins against *Nocardia asteroides*. *Proceedings of the 12th Interscience Congress of Chemotherapy* (ed. P. Periti and G. G. Grassi), pp. 367-368. Washington, D.C.: American Society for Microbiology.

MUNDAY, B. L. (1969). The epidemiology of toxoplasmosis with particular reference to the Tasmanian environment. M.V.Sc. thesis, University of Melbourne.

The Journal of Hygiene

Contents

BOLTON, F. J., DAWKINS, H. C. and HUTCHINSON, D. N. Biotypes and serotypes of thermophilic campylobacters isolated from cattle, sheep and pig offal and other red meats	1
TAYLOR-ROBINSON, D. and FURR, PATRICIA M. The interplay of host and organism factors in infection of the mouse genital tract by <i>Mycoplasma pulmonis</i>	7
MANSEER, P. A. and DALZIEL, R. W. A survey of campylobacter in animals	15
REILLY, W. J., OLD, D. C., MUNRO, D. S. and SHARP, J. C. M. An epidemiological study of <i>Salmonella montevideo</i> by biotyping	23
JEPRAS, R., FITZGEORGE, R. B. and BASKERVILLE, A. A comparison of virulence of two strains of <i>Legionella pneumophila</i> based on experimental aerosol infection of guinea-pigs	29
PINNEGAR, J. A. and COOKE, E. M. <i>Escherichia coli</i> in retail processed food	39
HALLAS, GILLIAN. The production of pyrogenic exotoxins by group A streptococci	47
SMITH, G. R., TURNER, A., MURRAY, L. G. and OLIPHANT, JANET C. The weak immunogenicity of <i>Fusobacterium necrophorum</i>	59
SKOVGAARD, NIELS, CHRISTENSEN, SVEN GADE and GULISTANI, A. W. Salmonellas in Danish pigs: a comparison of three isolation methods	69
HINTON, M., HAMPSON, D. J., HAMPSON, ELIZABETH and LINTON, A. H. The effects of oxytetracycline on the intestinal <i>Escherichia coli</i> flora of newly weaned pigs	77
SIBBALD, C. J. and SHARP, J. C. M. Campylobacter infection in urban and rural populations in Scotland	87
KANYI KIBE, M., BIDWELL, D. E., TURP, P. and SMITH, G. R. Demonstration of cross-reactive antigens in F38 and related mycoplasmas by enzyme-linked immunosorbent assay (ELISA) and immunoblotting	95
BARKER, RUTH M. Utilization of <i>d</i> -tartaric acid by <i>Salmonella paratyphi B</i> and <i>Salmonella java</i> : comparison of anaerobic plate test, lead acetate test and turbidity test	107
WILKINS, E. G. L. and ROBERTS, C. Superficial tuberculosis lymphadenitis in Merseyside: 1969-1984	115
MATTHEWS, JULIE, SLATER, K. and NEWSON, S. W. B. The effect of surgical gowns made with barrier cloth on bacterial dispersal	123
WIENEKE, ANTONNETTE A. and GILBERT, R. J. The use of a sandwich ELISA for the detection of staphylococcal enterotoxin A in foods from outbreaks of food poisoning	131
VASSILIADIS, P., MAVROMMATI, CH., KALAPOTHAKI, V., CHRONAS, G. and EYSTRATIOU, M. Salmonella isolation with Rappaport-Vassiliadis enrichment medium seeded with different sized inocula of pre-enrichment cultures of meat products and sewage water	139
SELLERS, R. F. and PEDGLEY, D. E. Possible windborne spread to Western Turkey of bluetongue virus in 1977 and of Akabane virus in 1979	149
NASCIMENTO, J. P., KRAWCZUK, M. M., MARCOFFITO, L. F. and BARUZZI, R. G. Prevalence of antibody against influenza A viruses in the Kren-Akorore, an Indian tribe of Central Brazil, first contacted in 1973	159
HOMAN, E. J., TAYLOR, W. P., LOBBACHEE DE RUIZ, H. and YUILL, T. M. Bluetongue virus and epizootic haemorrhagic disease of deer virus serotypes in northern Colombian cattle	165
CALLOW, KATHLEEN A. Effect of specific humoral immunity and some non-specific factors on resistance of volunteers to respiratory coronavirus infection	173
GLYN DAVIES, F. and JESSETT, D. M. A study of the host range and distribution of antibody to Akabane virus (genus bunyavirus, family <i>Bunyaviridae</i>) in Kenya	191
LINTHICUM, K. J., DAVIES, F. G., KAIRO, A. and BAILLY, C. L. Rift Valley fever virus (family <i>Bunyaviridae</i> , genus <i>Phlebovirus</i>). Isolations from Diptera collected during an inter-epizootic period in Kenya	197

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

© Cambridge University Press 1985

Printed in Great Britain by the University Press, Cambridge