

# Essential Reading from Cambridge

## AIDS and HIV in Perspective

A Guide to Understanding the Virus and Its Consequences

*Barry D. Schoub*

This authoritative introduction offers an accessible up-to-date account of HIV infection and AIDS for a wide audience, that also explores the complex social, legal, and ethical issues surrounding the disease.

1994 288 pp. 45231-7 Hardcover \$65.00

45874-9 Paper \$19.95

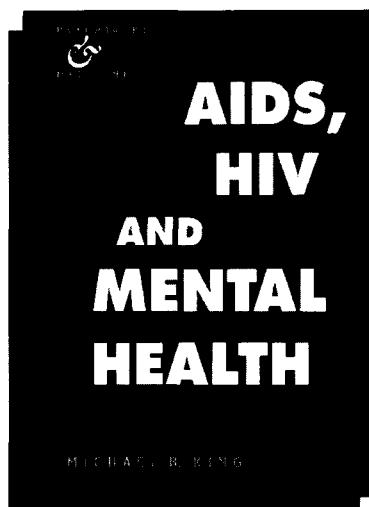
## AIDS and Contemporary History

*Edited by Virginia Berridge and Philip Strong*

This timely book explores AIDS as an historic event, analysing both its historic context and its current public policy, cultural, scientific, and medical aspects.

*Cambridge History of Medicine*

1993 296 pp. 41477-6 Hardcover \$54.95



## AIDS, HIV and Mental Health

*Michael B. King*

*"King has succeeded in producing a concise and critical volume targeted primarily to professionals in the mental-health field but quite accessible to the layperson as well."*

— Steven Petrow, *The Advocate*

An overview of all information currently available on the psychological effects of AIDS, written in a manner readily accessible to the nonspecialist. Vital for anyone caring for someone stricken with this devastating illness.

*Psychiatry and Medicine Series 1*

1993 207 pp. 45294-5 Hardcover \$39.95

42356-2 Paper \$19.95

## Human Cancer

Epidemiology and Environmental Causes

*John Higginson, Calum S. Muir, and Nubia Munoz*

Provides a global perspective on the epidemiology of cancer and its environmental causes. By summarizing on a cancer-by-cancer basis, geographical, environmental, and ethnic factors, the volume collates a wealth of useful information, which, taken together, provides valuable insights into the causes of cancer and the scope for its control and elimination.

*Cambridge Monographs on Cancer Research*

1992 602 pp. 41288-9 Hardcover \$125.00

Available in bookstores or from

**CAMBRIDGE  
UNIVERSITY PRESS**

40 West 20th Street, New York, NY 10011-4211.

Call toll free 800-872-7423.

MasterCard/VISA accepted. Prices subject to change.

# CAMBRIDGE

## AIDS and HIV in Perspective

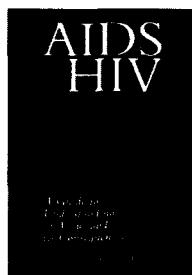
A Guide to Understanding the Virus and its Consequences

BARRY D. SCHOUB

- Clear, easily read descriptions for the general reader
- Timely and well illustrated
- Bridges the gap between specialist science literature and basic educational matters

An informative and lucid account of the factors involved in the explosive spread of HIV and AIDS internationally, as explained by a senior clinical virologist aiming to bridge the gap between the vast quantity of scientific and educational materials currently available to the general public. Helpful and informative diagrams are adeptly utilised to explain the basic biology of the HIV virus and the immune system which it so lethally undermines. As well as exploring the complex social, legal and ethical issues surrounding infection, Professor Schoub looks ahead to the prospects for a vaccine. A valuable handbook for all those in search of a better understanding of HIV infection and its consequences.

£35.00 net HB 0 521 45231 7 288 pp. 1994  
£12.95 net PB 0 521 45874 9



For further information write to Giulia Williams at the address below or  
email us on [science@cup.cam.ac.uk](mailto:science@cup.cam.ac.uk).

Please call 0223 325970 to order any Cambridge book on your credit card.



**CAMBRIDGE**  
UNIVERSITY PRESS

The Edinburgh Building, Cambridge CB2 2RU

## Cowan and Steel's Manual for the Identification of Medical Bacteria

G. I. BARROW and  
R. K. A. FELTHAM

Essentially a practical manual with up-to-date contributions and key references by experts to the diagnostic characteristics of the bacteria likely to be encountered in public health and hospital microbiology laboratories as well as in medical and veterinary practice.

'... this excellent book has retained the best of the old and combined it with the new. It is a must for every clinical laboratory and represents excellent value for money.'

Tim Wyatt,

*Association of Clinical Microbiologists News*  
£42.50 net HB 0 521 32611 7 300 pp. 1993

## AIDS, HIV and Mental Health

MICHAEL B. KING

A concise, critical account of the mental health aspects of HIV infection as it affects patients, partners, families and carers. Many controversial issues are addressed, illustrated by case histories.

Its thoughtful approach with practical advice commends it to a wide readership in the mental health field and beyond.

£32.50 net HB 0 521 45294 5 204 pp. 1993  
£14.95 net PB 0 521 42356 2  
*Psychiatry and Medicine 1*

# EPIDEMIOLOGY AND INFECTION

EDITED BY

J. R. PATTISON

D. BAXBY K. A. V. CARTWRIGHT

J. G. CRUICKSHANK B. DRASAR M. H. HINTON

C. R. MADELEY W. C. NOBLE S. PALMER D. J. PLATT

P. MORGAN-CAPNER  
(MANAGING EDITOR)

IN CONJUNCTION WITH

R. M. ANDERSON	S. LOGAN
R. D. BARRY	R. R. MARPLES
P. S. BRACHMAN	T. J. MARRIE
M. CHERNESKY	C. MARTÍN-BOURGON
M. DEGRÉ	O. H. MEURMAN
L. DEVRIESE	ELIZABETH MILLER
R. G. FINCH	P. P. MORTIMER
R. J. GILBERT	J. S. OXFORD
ANNA HAMBRAEUS	B. ROWE
D. J. HAMPSON	R. SWANEPOEL
S. A. HOWELL	R. S. TEDDER
T. HUMPHREY	E. J. THRELFALL
J. C. DE JONG	H. E. TILLETT
A. P. KENDAL	J. P. VANDENBROUCKE
J. B. KURTZ	P. J. WILKINSON
D. H. LLOYD	M. WOODWARD

VOLUME 112, 1994



Published by the Press Syndicate of the University of Cambridge  
The Pitt Building, Trumpington Street, Cambridge CB2 1RP  
40 West 20th Street, New York 10011-4211, USA  
10 Stamford Road, Oakleigh, Melbourne 3166, Australia

© Cambridge University Press 1994

*Printed in Great Britain by the Cambridge University Press, Cambridge*

## Contents

No. 1 (FEBRUARY 1994)

<b>Epidemic cholera in Ecuador: multidrug-resistance and transmission by water and seafood</b>	
Weber, J. T., Mintz, E. D., Cañizares, R., Semiglia, A., Gomez, I., Sempertegui, R., Dávila, A., Greene, K. D., Puhr, N. D., Cameron, D. N., Tenover, F. C., Barrett, T. J., Bean, N. H., Ivey, C., Tauxe, R. V. and Blake, P. A.	1
<b>Dose-response effects in an outbreak of <i>Salmonella enteritidis</i></b>	
Mintz, E. D., Carter, M. L., Hadler, J. L., Wassell, J. T., Zingeser, J. A. and Tauxe, R. V.	13
<b>Use of plasmid profile typing for surveillance of <i>Salmonella enteritidis</i> phage type 4 from humans, poultry and eggs</b>	
Threlfall, E. J., Hampton, M. D., Chart, H. and Rowe, B.	25
<b>Polymerase chain reaction for salmonella virulence-associated plasmid genes detection: a new tool in salmonella epidemiology</b>	
Rexach, L., Dilasser, F. and Fach, P.	33
<b>Bacteriophage typing in <i>Salmonella bareilly</i></b>	
Sharma, N. C., Bhatia, R., Singh, S., John, P. C., Kumar, S. and Singh, H.	45
<b>Correlation between esterase electrophoretic polymorphism and virulence-associated traits in extra-intestinal invasive strains of <i>Escherichia coli</i></b>	
Goulet, Ph., Picard, B., Contrepois, M., De Rycke, J. and Barnouin, J.	51
<b>Prospective study of verocytotoxin-producing, enteroaggregative and diffusely adherent <i>Escherichia coli</i> in different diarrhoeal states</b>	
Brook, M. G., Smith, H. R., Bannister, B. A., McConnell, M., Chart, H., Scotland, S. M., Sawyer, A., Smith, M. and Rowe, B.	63
<b>A comparison of aerosol and intragastric routes of infection with <i>Listeria</i> spp.</b>	
Bracegirdle, P., West, A. A., Lever, M. S., Fitzgeorge, R. B. and Baskerville, A.	69
<b>Changing patterns among the subgroups of strains of <i>Staphylococcus aureus</i> of phage group II in Danish hospitals from 1961-91</b>	
Eriksen, N. H. R., Hartzen, S. H., Bangsborg, J., Andersen, L. P., Rosdahl, V. T. and Espersen, F.	81
<b>Ribotyping of <i>Staphylococcus aureus</i>: and assessment using well-defined strains</b>	
Richardson, J. F., Aparicio, P., Marples, R. R. and Cookson, B. D.	93
<b>A double outbreak of exfoliative toxin-producing strains of <i>Staphylococcus aureus</i> in a maternity unit</b>	
Dave, J., Reith, S., Nash, J. Q., Marples, R. R. and Dulake, C.	103
<b>Patient and strain characteristics in relation to the outcome of meningococcal disease: a multivariate analysis</b>	
Scholten, R. J. P. M., Bijlmer, H. A., Valkenburg, H. A. and Dankert, J.	115
<b>Aminoglycoside resistance patterns of <i>Serratia marcescens</i> strains of clinical origin</b>	
Coria-Jiménez, R. and Ortiz-Torres, C.	125
<b>Sources of sporadic <i>Yersinia enterocolitica</i> infections in Norway: a prospective case-control study</b>	
Ostroff, S. M., Kapperud, G., Hutwagner, L. C., Nesbakken, T., Bean, N. H., Lassen, J. and Tauxe, R. V.	133
<b>Legionellaceae in the potable water of Nova Scotia hospitals and Halifax residences</b>	
Marrie, T., Green, P., Burbridge, S., Bezanson, G., Neale, S., Hoffman, P. S. and Haldane, D.	143
<b>Molecular typing of <i>Helicobacter pylori</i> isolates from asymptomatic, ulcer and gastritis patients by urease gene polymorphism</b>	
Desai, M., Linton, D., Owen, R. J. and Stanley, J.	151
<b>Measurement of diphtheria and tetanus antitoxin in blood samples collected on filter paper disks</b>	
Nikoletti, S.	161
<b>Some properties of coagulase-negative staphylococci isolated from cases of ovine mastitis</b>	
Fthenakis, G. C., Marples, R. R., Richardson, J. F. and Jones, J. E. T.	171

<b>Genomic fingerprints of <i>Staphylococcus aureus</i> of bovine origin by polymerase chain reaction-based DNA fingerprinting</b>	
Matthews, K. R., Kumar, S. J., O'Conner, S. A., Harmon, R. J., Pankey, J. W., Fox, L. K. and Oliver, S. P.	177
<b>Prevalence of human astrovirus serotypes in the Oxford region 1976–92, with evidence for two new serotypes</b>	
Lee, T. W. and Kurtz, J. B.	187
<b>Seroprevalence of hepatitis B and C in a Merseyside hospital for the mentally handicapped</b>	
Cunningham, S. J., Cunningham, R., Izmeth, M. G. A., Baker, B. and Hart, C. A.	195
<b>Analysis of mixed foot-and-mouth disease virus infection in Saudi Arabia: prolonged circulation of an exotic serotype</b>	
Woodbury, E. L., Samuel, A. R., Knowles, N. J., Hafez, S. M. and Kitching, R. P.	201
<b>Genetic relationships between foot-and-mouth disease type Asia 1 viruses</b>	
Ansell, D. M., Samuel, A. R., Carpenter, W. C. and Knowles, N. J.	213
<b>The detection of antibodies against peste des petits ruminants virus in cattle, sheep and goats and the possible implications to rinderpest control programmes</b>	
Anderson, J. and McKay, J. A.	225
<b>Book Review. General Microbiology. 7th edition</b>	
	233
<b>Book review. Diseases of Infection—An Illustrated Textbook, 2nd edition.</b>	
	234
<b>Notes for Contributors</b>	
No. 2 (APRIL 1994)	
<b>An outbreak of diarrhoeal disease attributed to <i>Shigella sonnei</i></b>	
Samonis, G., Elting, L., Skoulika, E., Maraki, S. and Tselenitis, Y.	235
<b>In vivo R-plasmid transfer in a patient with a mixed infection of shigella dysentery</b>	
Bratova, M. P. and John, Jr. J. F.	247
<b>Insertion sequence IS200 fingerprinting of <i>Salmonella typhi</i>: an assessment of epidemiological applicability</b>	
Threlfall, E. J., Torre, E., Ward, L. R., Dávalos-Pérez, A., Rowe, B. and Gibert, I.	253
<b>Ribotyping as an epidemiologic tool for <i>Escherichia coli</i></b>	
Tarkka, E., Åhman, H. and Siitonen, A.	263
<b>Bacterial flora of Tasmanian SIDS infants with special reference to pathogenic strains of <i>Escherichia coli</i></b>	
Bettoli, S. S., Radcliff, F. J., Hunt, A. L. C. and Goldsmid, J. M.	275
<b>Seasonal variations in the occurrence of <i>Vibrio vulnificus</i> along the Dutch coast</b>	
Veenstra, J., Rietra, P. J. G. M., Coster, J. M., Slaats, E. and Dirks-Go, S.	285
<b>Characterisation of haemolytic activity from <i>Aeromonas caviae</i></b>	
Karunakaran, T. and Devi, B. G.	291
<b>An additional set of phages to characterize epidemic methicillin-resistant <i>Staphylococcus aureus</i> strains from Spain (1989–92)</b>	
Vindel, A., Trincado, P., Gomez, E., Aparicio, P., Martin de Nicolas, M., Boquete, T. and Saez Nieto, JA.	299
<b>Cell surface hydrophobicity and adherence to extra-cellular matrix proteins in two collections of methicillin-resistant <i>Staphylococcus aureus</i></b>	
Cree, R. G. A., Aleljung, P., Paulsson, M., Witte, W., Noble, W. C., Ljungh, A. and Wadström, T.	307
<b>Smoking, the environment and meningococcal disease: a case control study</b>	
Stanwell-Smith, R. E., Stuart, J. M., Hughes, A. O., Robinson, P., Griffin, M. B. and Cartwright, K.	315
<b>Nosocomial Legionnaires' disease in England and Wales, 1980–92</b>	
Joseph, C. A., Watson, J. M., Harrison, T. G. and Bartlett, C. L. R.	329
<b>False positive legionella serology in campylobacter infection: campylobacter serotypes, duration of antibody response and elimination of cross-reactions in the indirect fluorescent antibody test</b>	
Marshall, L. E., Boswell, T. C. J. and Kudesia, G.	347
<b>Immunoglobulin A antibodies directed against <i>Campylobacter jejuni</i> flagellin present in breast-milk</b>	
Nachamkin, I., Fischer, S. H., Yang, X.-H., Benitez, O. and Cravioto, A.	359
<b>Host-microflora interaction in Systemic Lupus Erythematosus (SLE): colonization resistance of the indigenous bacteria of the intestinal tract</b>	
Apperloo-Renkema, H. Z., Bootsma, H., Mulder, B. I., Kallenberg, C. G. and Van der Waaij, D.	367

<b>Lyme disease: a search for a causative agent in ticks in south-eastern Australia</b>	
Russell, R. C., Doggett, S. L., Munro, R., Ellis, J., Avery, D., Hunt, C. and Dickeson, D.	375
<b>Landfill sites, botulism and gulls</b>	
Ortiz, N. E. and Smith, G. R.	385
<b>A study of a hospital cluster of systemic candidosis using DNA typing methods</b>	
Romano, F., Ribera, G. and Giuliano, M.	393
<b>The diagnosis of toxoplasmosis using IgG avidity</b>	
Holliman, R. E., Raymond, R., Renton, N. and Johnson, J. D.	399
<b>Measles vaccine: a 27-year follow-up</b>	
Ramsay, M. E. B., Moffatt, D. and O'Connor, M.	409
<b>Long-term survival in trial of medium-titre Edmonston-Zagreb measles vaccine in Guinea-Bissau: five-year follow-up</b>	
Aaby, P., Lisse, I. M., Whittle, H., Knudsen, K., Thaarup, J., Poulsen, A., Sodemann, M., Jakobsen, M., Brink, L., Gansted, U., Permin, A., Jensen, T. G., Andersen, H. and da Silva, M. C.	413
<b>Antigenicity and immunogenicity of equine influenza vaccines containing a Carbomer adjuvant</b>	
Mumford, J. A., Wilson, H., Hannant, D. and Jessett, D. M.	421
<b>Book Reviews</b>	
Handbook of Antibiotics, 2nd edition	439
HIV Infection: A Clinical Manual, 2nd edition	440
No. 3 (JUNE 1994)	
<b>An outbreak of <i>Escherichia coli</i> O157 associated with a children's paddling pool</b>	
Brewster, D. H., Brown, M. I., Robertson, D., Houghton, G. L., Bimpson, J. and Sharp, J. C. M.	441
<b>Sequence heterogeneity of the <i>eae</i> gene and detection of verotoxin-producing <i>Escherichia coli</i> using serotype-specific primers</b>	
Louie, M., De Azavedo, J., Clarke, R., Borezyk, A., Lior, H., Richter, M. and Brunton, J.	449
<b>An epidemic of cholera due to <i>Vibrio cholerae</i> O139 in Dhaka, Bangladesh: clinical and epidemiological features</b>	
Mahalanabis, D., Faruque, A. S. G., Albert, M. J., Salam, M. A. and Hoque, S. S.	463
<b>Apramycin-resistant <i>Escherichia coli</i> isolated from pigs and a stockman</b>	
Hunter, J. E. B., Bennett, M., Hart, C. A., Shelley, J. C. and Walton, J. R.	473
<b>Community-based study of the incidence of gastrointestinal diseases in The Netherlands</b>	
Hoogenboom-Verdegaal, A. M. M., De Jong, J. C., During, M., Hoogenveen, R. and Hoekstra, J. A.	481
<b>Epidemiology of <i>Staphylococcus aureus</i> in patients with cystic fibrosis</b>	
Branger, C., Fournier, J. M., Loulergue, J., Bouvet, A., Goulet, PH, Boutonnier, A., De Gialluly, C., Couetdic, G., Chomarat, M., Jaffar-Banjee, M. C. and Mariani, P.	489
<b>Clonal study of enterotoxin-B producing strains of <i>Staphylococcus aureus</i></b>	
Renaud, F., Bornstein, N., Meugnier, H., Forey, F., Bes, M. and Fleurette, J.	501
<b>Fatal nosocomial Legionnaires' disease: relevance of contamination of hospital water supply by temperature-dependent buoyancy-driven flow from spur pipes</b>	
Patterson, W. J., Seal, D. V., Curran, E., Sinclair, T. M. and McLuckie, J. C.	513
<b>Seroprevalence of leptospirosis in a rural flood prone district of Bangladesh</b>	
Morshed, M. G., Konishi, H., Terada, Y., Arimitsu, Y. and Nakazawa, T.	527
<b>Comparison in the immunological properties of <i>Borrelia burgdorferi</i> isolates from <i>Ixodes ricinus</i> derived from three endemic areas in Switzerland</b>	
Hu, C. M., Leuba-Garcia, S., Kramer, M. D., Aeschlimann, A. and Gern, L.	533
<b>Subtyping of <i>Mycobacterium avium</i> complex (MAC) isolates by thin-layer chromatography—distribution of subtypes from patients with AIDS compared with clinically non-significant isolates</b>	
Chew, W., Sorrell, T. C. and Gilbert, G. L.	543
<b>Incidence and nature of peritoneal catheter biofilm determined by electron and confocal laser scanning microscopy</b>	
Gorman, S. P., Adair, C. G. and Mawhinney, W. M.	551
<b>An investigation of colonization of the conjunctival sac of sheep by bacteria and mycoplasmas</b>	
Dagnall, G. J. R.	561
<b>Household-acquisition of measles and illness severity in an urban community in the United States</b>	
Butler, J. C., Proctor, M. E., Fessler, K., Hopfensberger, D. J., Sosin, D. M. and Davis, J. P.	569

<b>A model-based design of a vaccination strategy against rubella in a non-immunized community of São Paulo State, Brazil</b>	
Massad, E., Nascimento Burattini, M., De Azevedo Neto, R. S., Hyun Mo Yang, Coutinho, F. A. B. and Zanetta, D. M. T.	579
<b>Risk factors for hepatitis C virus infection. A case-control study of blood donors in the Trent Region (UK)</b>	
Neal, K. R., Jones, D. A., Killey, D. and James, V.	595
<b>Recognition of adenovirus types in faecal samples by Southern hybridization in South Australia</b>	
Mickan, L. D. and Kok, T.-W.	603
<b>Survey on the distribution of the gene 4 alleles of human rotaviruses by polymerase chain reaction</b>	
Wu, H., Taniguchi, K., Wakasugi, F., Ukae, S., Chiba, S., Ohseto, M., Hasegawa, A., Urasawa, T. and Urasawa, S.	615
<b>Distribution of bluetongue virus in Turkey, 1978-81</b>	
Taylor, W. P. and Mellor, P. S.	623
<b>Book Reviews</b>	
Principles and practice of Infectious Diseases: Antimicrobial Therapy, 1993/1994 Chemical Disinfection in Hospitals	635
<b>Index</b>	637
<b>Notes for Contributors</b>	

*Continued from back cover*

<b>A model-based design of a vaccination strategy against rubella in a non-immunized community of São Paulo State, Brazil</b>	
Massad, E., Nascimento Burattini, M., De Azevedo Neto, R. S., Hyun Mo Yang, Coutinho, F. A. B. and Zanetta, D. M. T.	579
<b>Risk factors for hepatitis C virus infection. A case-control study of blood donors in the Trent Region (UK)</b>	
Neal, K. R., Jones, D. A., Killey, D. and James, V.	595
<b>Recognition of adenovirus types in faecal samples by Southern hybridization in South Australia</b>	
Mickan, L. D. and Kok, T.-W.	603
<b>Survey on the distribution of the gene 4 alleles of human rotaviruses by polymerase chain reaction</b>	
Wu, H., Taniguchi, K., Wakasugi, F., Ukae, S., Chiba, S., Ohseto, M., Hasegawa, A., Urasawa, T. and Urasawa, S.	615
<b>Distribution of bluetongue virus in Turkey, 1978-81</b>	
Taylor, W. P. and Mellor, P. S.	623
<b>Book Reviews</b>	
Principles and Practice of Infectious Diseases: Antimicrobial Therapy, 1993/1994 Chemical Disinfection in Hospitals	635
<b>Index</b>	637
<b>Note for Contributors</b>	

Cambridge University Press

The Pitt Building, Trumpington Street, Cambridge CB2 1RP  
40 West 20th Street, New York, NY 10011-4211, USA  
10 Stamford Road, Oakleigh, Melbourne 3166, Australia

© Cambridge University Press 1994

*Printed in Great Britain by the University Press, Cambridge*

# Epidemiology and Infection

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

## CONTENTS

<b>An outbreak of <i>Escherichia coli</i> O157 associated with a children's paddling pool</b>	441
Brewster, D. H., Brown, M. I., Robertson, D., Houghton, G. L., Bimson, J. and Sharp, J. C. M.	
<b>Sequence heterogeneity of the <i>eae</i> gene and detection of verotoxin-producing</b>	
<b><i>Escherichia coli</i> using serotype-specific primers</b>	
Louie, M., De Azavedo, J., Clarke, R., Borezyk, A., Lior, H., Richter, M. and Brunton, J.	449
<b>An epidemic of cholera due to <i>Vibrio cholerae</i> O139 in Dhaka, Bangladesh: clinical and</b>	
<b>epidemiological features</b>	
Mahalanabis, D., Faruque, A. S. G., Albert, M. J., Salam, M. A. and Hoque, S. S.	463
<b>Apramycin-resistant <i>Escherichia coli</i> isolated from pigs and a stockman</b>	
Hunter, J. E. B., Bennett, M., Hart, C. A., Shelley, J. C. and Walton, J. R.	473
<b>Community-based study of the incidence of gastrointestinal diseases in The</b>	
<b>Netherlands</b>	
Hoogenboom-Verdegaal, A. M. M., De Jong, J. C., During, M., Hoogenveen, R. and Hockstra, J. A.	481
<b>Epidemiology of <i>Staphylococcus aureus</i> in patients with cystic fibrosis</b>	
Branger, C., Fournier, J. M., Loulergue, J., Bouvet, A., Gouillet, P.H., Boutonnier, A.,	
De Gialluly, C., Couetdic, G., Chomarat, M., Jaffar-Banjee, M. C. and Mariani, P.	489
<b>Clonal study of enterotoxin-B producing strains of <i>Staphylococcus aureus</i></b>	
Renaud, F., Bornstein, N., Meugnier, H., Forey, F., Bes, M. and Fleurette, J.	501
<b>Fatal nosocomial Legionnaires' disease: relevance of contamination of hospital</b>	
<b>water supply by temperature-dependent buoyancy-driven flow from spur pipes</b>	
Patterson, W. J., Seal, D. V., Curran, E., Sinclair, T. M. and McLuckie, J. C.	513
<b>Seroprevalence of leptospirosis in a rural flood prone district of Bangladesh</b>	
Morshed, M. G., Konishi, H., Terada, Y., Arimitsu, Y. and Nakazawa, T.	527
<b>Comparison in the immunological properties of <i>Borrelia burgdorferi</i> isolates from</b>	
<b><i>Ixodes ricinus</i> derived from three endemic areas in Switzerland</b>	
Hu, C. M., Leuba-Garcia, S., Kramer, M. D., Aeschlimann, A. and Gern, L.	533
<b>Subtyping of <i>Mycobacterium avium</i> complex (MAC) isolates by thin-layer</b>	
<b>chromatography - distribution of subtypes from patients with AIDS compared with</b>	
<b>clinically non-significant isolates</b>	
Chew, W., Sorrell, T. C. and Gilbert, G. L.	543
<b>Incidence and nature of peritoneal catheter biofilm determined by electron and</b>	
<b>confocal laser scanning microscopy</b>	
Gorman, S. P., Adair, C. G. and Mawhinney, W. M.	551
<b>An investigation of colonization of the conjunctival sac of sheep by bacteria and</b>	
<b>mycoplasmas</b>	
Dagnall, G. J. R.	561
<b>Household-acquisition of measles and illness severity in an urban community in the</b>	
<b>United States</b>	
Butler, J. C., Proctor, M. E., Fessler, K., Hopfensperger, D. J., Sosin, D. M. and Davis, J. P.	569

*Continued inside back cover*

CAMBRIDGE  
UNIVERSITY PRESS



0950-2688(199406)112:3;1-T