

THE QUARTERLY JOURNAL OF MEDICINE

(NEW SERIES)

EDITED BY

J. S. CAMERON P. HUGH-JONES E. M. McGIRR
W. B. MATTHEWS A. E. READ
A. G. W. WHITFIELD

CONTENTS

NEW SERIES Vol. 43 No. 170 April 1974

(Vol. 67 of the continuous series)

Jejunal Mucosal Recovery in Coeliac Disease in Relation to the Degree of Adherence to a Gluten-free Diet. *A. S. Dissanayake, S. C. Truelove, R. Whitehead*

White-cell Antibodies and the Aetiology of Felty's Syndrome. *F. D. Rosenthal, J. M. Beeley, K. Gelsthorpe, R. W. Doughty*

Benefits of Hospitalization in Rheumatoid Arthritis. *Peter Lee, Alistair C. Kennedy, John Anderson, W. Watson Buchanan*

Cardio-pulmonary Function of Congested Lungs. *W. A. Crosbie, V. Parsons*

Studies on Pyrimidine Biosynthesis in the Granulocytes of Patients Receiving Gold Therapy for Rheumatoid Arthritis. *W. J. Westwick, J. Allsop, J. M. Gumpel, R. W. E. Watts*

Abnormalities of *in vitro* Thyroid Function Tests in Renal Disease. *A. Joasoo, I. P. C. Murray, J. Parkin, M. R. Robertson, D. Jeremy*

Biliary Trace Carcinoma Associated with Ulcerated Colitis. *Jean K. Ritchie, R. N. Allan, J. Macartney, H. Thompson, P. R. Hawley, W. T. Cooke*

Pingueculae - An Association with Renal Failure. *S. L. Cohen, A. Gorchein, John A. Hayward, J. L. Kennerley-Bankes, Aviva Petrie, K. A. Porter*

The Effects of Thallium Salts, with Particular Reference to the Nervous System Changes. *J. B. Cavanagh, N. H. Fuller, H. R. M. Johnson, Peter Rudge*

Anorexia Nervosa: A Clinical, Psychiatric and Laboratory Study. *J. A. Kanis, P. Brown, K. Fitzpatrick, D. J. Hibbert, D. B. Horn, I. M. Nairn, D. Shirling, J. A. Strong, H. S. Walton*

Mild Familial Diabetes with Dominant Inheritance. *R. B. Tattersall*

Price £2.00 net. Subscription price £7.00 per annum

OXFORD UNIVERSITY PRESS

Press Road, Neasden, London NW10 0DD

public health, social medicine and hygiene

8,000 current abstracts in 20 fully indexed issues a year.

All abstracts are classified under the following headings:

1 General aspects:

History; Health services; Health education; Legislation and jurisprudence; Forensic medicine; Medical economics; Social insurance; Mental hygiene; Sexology; Addiction; Medical education; Medical practice; Medical ethics; Hospitals; Drug control.

2 Statistics:

Research; Mathematical statistics; Data processing; Screening procedures; Biometry; Demography; Morbidity; Mortality; Vital statistics.

3 Communicable diseases:

General measures; Bacterial diseases; Rickettsial diseases; Spirochetal diseases; Viral diseases; Fungal diseases; Protozoal diseases; Helminthic diseases; Mycoplasmatic diseases.

4 Social hygiene:

Genetics; Congenital malformations; Birth control; Maternal welfare; Infant welfare; Child hygiene; Growth; School hygiene; Vocational guidance; Sport; Recreation; Physical hygiene; Rehabilitation; Social diseases; Chronic diseases; Traffic medicine; Accidents; Intoxication, poisoning; Gerontology.

5 Industrial medicine:

Hygiene; Research; Accidents; Occupational diseases; Poisoning; Rehabilitation.

6 Dental hygiene.

7 Sanitation:

Climate; Microclimate; High altitude; Air pollution; Air disinfection; Environmental sanitation; Town planning; Housing; Water supply; Sewage, waste disposal; Shipping; Aviation; Space flight; Nonionizing radiation; Ionizing radiation; Nuclear energy.

8 Military medicine:

Hygiene; Warfare; Disasters.

9 Atomic warfare:

Fallout; Somatic and genetic effects; Civil defence.

10 Nutrition:

Nutritional status; Nutrients; Food handling; Food control; Milk, dairy hygiene; Food poisoning.

11 Veterinary hygiene, zoonoses.

12 Medical zoology:

Arthropods; Helminths; Molluscs; Rodents; Pesticides.

**Annual subscription rate: Dfl. 360.00 (about US\$ 144.00) postage included.
Quotations on back volumes will be provided on request.**

The Dutch Guilder price is definitive.

excerpta medica

P.O. Box 211 - Amsterdam - The Netherlands

5080 EM

(ii)

CONTENTS

	PAGE
THOMAS, G. Air sampling of smallpox virus	1
ROBERTSON, L., FARRELL, I. D. and HINCHLIFFE, P. M. The incidence of <i>Brucella</i> infections in producer-retailer herds in North Lancashire from 1965 to 1972	9
SPLAINE, M., LINTOTT, A. P. and ANGULO, J. J. On the use of contour maps in the analysis of spread of communicable disease	15
KALBFLEISCH, J. G. and SPROTT, D. A. Statistical analysis of data bearing on the number of particles required to form a plaque	27
BAXBY, D. A possible relation between human pathogenicity of smallpox vaccines and virus growth at elevated temperatures	35
GREAVES, J. H., REDFERN, R. and TINWORTH, H. Laboratory tests of 5-p-chlorophenyl silatrane as a rodenticide	39
RENNISON, B. D. Field trials of the rodenticide 5-p-chlorophenyl silatrane against wild rats (<i>Rattus norvegicus</i> Berk.)	45
ROWE, F. P., SWINNEY, T. and BRADFIELD, A. Field trials of the rodenticide 5-p-chlorophenyl silatrane against wild house mice (<i>Mus musculus</i> L.)	49
WEIGHTMAN, DORIS, DOWNHAM, M. A. P. S. and GARDNER, P. S. Introduction of a cross-infection rate in children's wards and its application to respiratory virus infections	53
WHYTE, W., SHAW, B. H. and FREEMAN, M. A. R. An evaluation of a partial-walled laminar-flow operating room	61
MATES, A. and ZAND, P. Specificity of the protective response induced by the slime layer of <i>Pseudomonas aeruginosa</i>	75
GARLAND, A. J. M. and MANN, J. A. Attempts to infect pigs with Coxsackie virus type B5	85
ARMITAGE, P. and BENNETT, B. M. Maximum likelihood solutions for the combination of relative potencies	97
BURROWS, R., MANN, J. A., GOODRIDGE, D. and CHAPMAN, W. G. Swine vesicular disease: attempts to transmit infection to cattle and sheep	101
BURROWS, R., MANN, J. A. and GOODRIDGE, D. Swine vesicular disease: comparative studies of viruses isolated from different countries	109
PRESTON, N. W., MACKAY, R. I., BAMFORD, F. N., CROFTS, J. E. and BURLAND, W. L. Pertussis agglutinins in vaccinated children: better response with adjuvant	119
CRADOCK-WATSON, J. E., MACDONALD, HELEN, RIDEHALGH, MARGARET K. S., BOURNE, M. S. and VANDERVELDE, ELISE M. Specific immunoglobulin responses in serum and nasal secretions after the administration of attenuated rubella vaccine	127
BUCHAN, K. A., MARTEN, KAREN W. and KENNEDY, D. H. Aetiology and epidemiology of viral croup in Glasgow, 1966-72	143
McSWIGGAN, D. A., HUSSAIN, K. K. and TAYLOR, I. O. A fatal case of cutaneous anthrax	151
REID, D., BELL, ELEANOR J., GRIST, N. R., TAYLOR, J. C. and ELLIS, JEAN R. Epidemic keratoconjunctivitis in the West of Scotland, 1967-72	157