

Gut Editorial Committee

SHEILA SHERLOCK (*Editor*)

CHARLOTTE ANDERSON

I. A. D. BOUCHIER

B. CREAMER

A. M. DAWSON

DEBORAH DONIACH

R. H. DOWLING

H. L. DUTHIE

I. E. GILLESPIE

R. A. GREGORY

C. D. HOLDSWORTH

F. H. KEMP

M. J. S. LANGMAN

J. W. LAWS

J. E. LENNARD-JONES

I. MCCOLL

N. MCINTYRE

P. D. MARSDEN

B. C. MORSON

D. J. C. SHEARMAN

R. SHIELDS

W. P. SMALL

L. A. TURNBERG

R. B. WELBOURN

K. G. WORMSLEY

EDITOR *British Medical Journal*

GUNILLA LIDDLE (*Technical Editor*)

The object of *Gut* is to publish original papers and reviews concerned with practice and research in the field of gastroenterology. The field is that of alimentary, hepatic, or pancreatic disease, and papers may cover the medical, surgical, radiological, or historical aspects. They may also deal with the basic sciences concerned with the alimentary tract, including experimental work. The report of a single case will be accepted only if it is of sufficient interest in relation to a wider field of research.

There will be a section for short papers on laboratory and surgical techniques and methods of investigation.

COMMUNICATIONS Papers should be addressed to the Editor, *Gut*, BMA House, Tavistock Square, London, WC1H 9JR. Papers are accepted only on the understanding that they are not published elsewhere without previous sanction of the Editorial Committee. They should be in double-spaced typewriting on one side of the paper only. On the paper the name of the author should appear with initials (or distinguishing Christian name) only, and the name and address of the hospital or laboratory where the work was performed. A definition of the position held by each of the authors in the hospital or laboratory should be stated in a covering letter to the Editor. Communications should be kept short, and illustrations should be included when necessary; coloured illustrations are allowed only if monochrome will not satisfactorily demonstrate the condition. It is not desirable that results should be shown both as tables and graphs.

ILLUSTRATIONS Diagrams should be drawn in indian ink on white paper, Bristol board, or blue-squared paper. The legends for illustrations should be typed on a separate sheet and numbered to conform with the relevant illustrations. Photographs and photomicrographs should be on glossy paper, unmounted. **TABLES** should not be included in the body of the text, but should be typed on a separate sheet.

ETHICS The critical assessment of papers submitted will include ethical considerations. Authors are referred to publications on ethics of human experimentation by the Medical Research Council in Britain and to the code of ethics of the World Medical Association known as the Declaration of Helsinki (see *Brit. med. J.*, 1964, 2, 177).

ABBREVIATIONS In general, symbols and abbreviations should be those used by the *Biochemical Journal*. In any paper concerning electrolyte metabolism, it is desirable that data be calculated as m-equiv/l.

REFERENCES These should be made by inserting the name of the author followed by year of publication in brackets. At the end of the paper, references should be arranged in alphabetical order of authors' names. Such references should give author's name, followed by initials and year of publication in brackets, the *title of the article quoted*, the name of the journal in which the article appeared, the volume number in arabic numerals, followed by the numbers of first and last pages of the article. Abbreviations are according to *World Medical Periodicals* (published by BMA for World Medical Association), thus: Chandler, G. N., Cameron, A. D., Nunn, A. H., and Street, D. F. (1960). Early investigations of haematemesis. *Gut*, 1, 6-13.

REPRINTS Fifty reprints will be supplied free of charge. Further reprints will be available on payment of the necessary costs; an indication of the number of reprints required should be sent to the Publishing Manager on the form provided with the proof.

NOTICE TO ADVERTISERS Application for advertisement space and for rates should be addressed to the Advertisement Manager, *Gut*, BMA House, Tavistock Square, London, WC1H 9JR.

NOTICE TO SUBSCRIBERS *Gut* is published monthly. The annual subscription rate is £12.00 in the United Kingdom and the Republic of Ireland, and £13.00 [\$31.25 USA until 1 September 1973] by surface mail in all countries overseas. Payments for overseas subscriptions should be made in sterling, *ie*, £13.00, and sent by Mail Transfer—*Charges Remitter*—through a Bank to the British Medical Association. Orders can also be placed with any leading subscription agent or bookseller. (For the convenience of readers in the USA subscription orders, with or without payment, can also be sent to: *British Medical Journal*, 1172 Commonwealth Avenue, Boston, Mass. 02134. All enquiries however, must be addressed to the Publisher in London.) All enquiries regarding Air Mail rates and single copies already published should be addressed to the Publisher in London.

COPYRIGHT © 1973 *Gut*. All Rights Reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without the prior permission of *Gut*.

- Isenberg, J. I., Stening, G. F., Ward, S., and Grossman, M. I. (1969). Relation of gastric secretory response in man to dose of insulin. *Gastroenterology*, 57, 395-398.
- Jögi, P., Ström, G., and Uvnäs, B. (1949). The origin in the CNS of gastric secretory impulses induced by hypoglycemia. *Acta physiol. scand.*, 17, 212-221.
- Kneller, A. W., and Nasset, E. S. (1949). Relationship of insulin hypoglycemia to intestinal secretion. *Amer. J. Physiol.*, 159, 89-94.
- Necheles, H., Olson, W. H., and Scruggs, W. (1942). The effect of insulin on gastric secretion. (Abstr.) *Fed. Proc.*, 1, 62.
- Olson, W. H., and Necheles, H. (1955). Primary depression of gastric

R. R. Dozois, D. C. Carter, and J. R. Kirkpatrick

- secretion by insulin in normal man. *J. Amer. med. Ass.*, 159, 1013-1014.
- Scott, V. B., Collignon, U. J., Bugel, H. J., and Johnson, G. C. (1941). The relation of external pancreatic secretion to variations in blood sugar. *Amer. J. Physiol.*, 134, 208-218.
- Spencer, J., and Grossman, M. I. (1971). The gastric secretory response to insulin: an 'all-or-none' phenomenon? *Gut*, 12, 891-896.
- Stening, G. F., and Isenberg, J. I. (1969). Insulin-induced acid secretion after partial vagotomy in dogs and cats. *Amer. J. Physiol.*, 217, 962-964.
- Thomas, J. E. (1941). An improved cannula for gastric and intestinal fistulas. *Proc. Soc. exp. Biol. (N.Y.)*, 46, 260-261.

The May 1973 Issue

THE MAY 1973 ISSUE CONTAINS THE FOLLOWING PAPERS

- Value of small intestinal bile acid analysis in the diagnosis of the stagnant loop syndrome T. C. NORTHFIELD, B. S. DRASAR, AND J. T. WRIGHT
- Bile acids in the diarrhoea of ileal resection W. D. MITCHELL, J. M. FINDLAY, R. J. PRESCOTT, M. A. EASTWOOD, AND D. B. HORN
- Skeletal muscle blood flow and neurovascular reactivity in liver disease MICHAEL LUNZER, S. P. NEWMAN, AND SHEILA SHERLOCK
- Serum autoantibodies and immunoglobulins in hepatitis-associated antigen (HAA)-positive and -negative liver disease F. J. DUDLEY, M. J. O'SHEA, A. AJDUKIEWICZ, AND S. SHERLOCK
- Liver disease and cell-mediated immunity in hepatitis-associated antigen (HAA) carriers T. D. BOLIN, A. E. DAVIS, AND A. G. LIDDELOW
- Gel filtration studies on immunoreactive gastrin in serum from Zollinger-Ellison patients JENS F. REHFELD AND FLEMMING STADIL
- Discordance for childhood coeliac disease in monozygotic twins J. A. WALKER-SMITH
- Leucocyte migration studies with spleen preparations in Crohn's disease ELIZABETH R. RICHENS, K. R. GOUGH, AND M. J. WILLIAMS
- Action of oral metoclopramide on the gastro-oesophageal junction in man J. B. DILAWARI AND J. J. MISIEWICZ
- An evaluation of ⁷⁵Se Selenomethionine scanning as a test of pancreatic function compared with the secretin-pancreozymin test JOAN BRAGANZA, MAIR CRITCHLEY, H. T. HOWAT, H. J. TESTA, AND H. B. TORRANCE
- Rectal hyperpolarization following intestinal bypass for obesity J. RASK-MADSEN, P. BRIX JENSEN, AND J. O. LUND
- Pharmacological characteristics of the non-striated anorectal musculature in cats F. PENNINGCKX, R. KERREMANS, AND J. BECKERS
- Technique*
A miniature digital millivoltmeter for measuring intestinal transmural electric potential difference D. L. WINGATE
- Progress report*
Prostaglandins and the gastrointestinal tract SHEILA L. WALLER
- The British Society of Gastroenterology spring meeting
- Notes and activities

Copies are still available and may be obtained from the PUBLISHING MANAGER,
BRITISH MEDICAL ASSOCIATION, TAVISTOCK SQUARE, LONDON, WC1H 9JR, price 87½p

Notes and activities

Professor Sir Andrew Watt Kay

Professor Sir Andrew Watt Kay, Regius Professor of Surgery at the University of Glasgow, a member of the founding Editorial Committee of *Gut* and also a contributor of important papers (the Kay test) to early issues of the Journal, has been honoured with a knighthood in the Queen's Birthday Honours. Readers of *Gut* will be delighted that their specialty has again been honoured in the person of Professor Sir Andrew Watt Kay.

Queen's University of Belfast

Dr A. H. G. Love has been appointed to a personal chair in gastroenterology in the department of medicine.

Dr Love graduated BSc in physiology from the Queen's University of Belfast in 1955, MB in 1958, and MD in 1963. He held appointments at the Royal Victoria and Mater Infirmorum Hospitals, Belfast, and was tutor in medicine at the Queen's University, where he became lecturer in physiology in 1960, lecturer in the department of medicine in 1963, and senior lecturer in 1968. His main research interest has been in the physiology of small intestinal functions but he has a wide knowledge of other aspects of gastroenterology and has carried out experimental work on cholera.

Assessing New Papers

The Editor is most grateful to the following who have during 1972 reviewed papers for *Gut*. The assessors provide a most important service for the Editor of *Gut* and for those who wish to publish in *Gut* as they give constructive criticism not only of the paper in question but also for future work should the authors pursue their suggestions.

A. Allen
Charlotte Anderson
Sir Francis Avery Jones
J. H. Baron
Rosemary Biggs
Barbara Billing
E. L. Blair
C. C. Booth
I. A. D. Bouchier
A. Breckenridge

P. W. Brunt
Sheila Callender
I. Chanarin
M. Clark
W. T. Cooke
Y. Cossart
B. Creamer
D. N. Croft
J. N. Cumings
A. M. Dawson
I. M. Dawson
Deborah Doniach
I. Doniach
R. H. Dowling
H. L. Duthie
M. A. Eastwood
C. J. Edmonds
D. A. W. Edwards
P. T. Flute
I. E. Gillespie
D. M. Goldberg
J. R. Greenwell
R. A. Gregory
A. A. Harper
K. W. Heaton
S. M. Hilton
J. R. Hobbs
A. V. Hoffbrand
C. D. Holdsworth
R. Holmes
H. T. Howat
J. N. Hunt
A. Jacobs
D. G. James
E. A. Jones
F. H. Kemp
D. N. S. Kerr
L. Kreel
J. Landon
M. J. S. Langman
J. W. Laws
J. E. Lennard-Jones
June K. Lloyd
M. S. Losowsky
Janet Marks
V. Marks
P. D. Marsden
A. Marston
D. M. Matthews
J. J. Misiewicz
D. L. Mollin
B. Morson
D. W. Moss
I. McColl
N. McIntyre
J. P. A. McManus
H. McMichael
G. Neale
A. G. Parks
W. D. M. Paton
A. G. Everson Pearse
J. Pepys

A. E. Read
J. Ritchie
G. F. M. Russell
Brenda E. Ryman
M. Sandler
P. Sanford
P. J. Scheuer
T. Scratcherd
D. J. C. Shearman
Margot Shiner
G. E. Sladen
W. P. Small
M. G. M. Smith
A. I. Spriggs
J. S. Stewart
J. F. Tait
N. C. Tanner
A. Tavill
W. H. Taylor
S. C. Truelove
L. A. Turnberg
P. Turner
A. Wakeling
J. G. Walker
H. K. Weinbren
R. B. Welbourn
R. Whitehead
H. S. Wiggins
J. H. Wilkinson
J. Alexander-Williams
R. S. Williams
A. W. Woodruff
K. G. Wormsley

The Coeliac Society

The Coeliac Society send out a newsletter every six months and they have just sent out their tenth number. During this time they have made contact with more than 6000 sufferers from coeliac disease. In addition to the most useful booklet which they produce they continue to find ways and means of reducing the gap between knowledge and practice. They have now produced advice sheets for a number of overseas countries, containing useful phrases and details of the availability of gluten-free products. The countries covered are Austria, Belgium, Finland, France, Germany, Greece, Holland, Italy, Norway, Spain, and Switzerland. The English list, which has been brought up to date for 1973, contains details of a number of hotels at which a gluten-free diet can be obtained. Certain airlines are now prepared to produce a gluten-free meal for their passengers. A popular innovation has been the introduction of restaurant tickets stapled together in booklets of 25, and having the following wording: 'As I

am very allergic to flour, would you please make sure that the dishes I have ordered are completely free of flour? The very practical approach made by the Coeliac Society to help those who have this condition should encourage all doctors to see that their patients become members of the Society, PO Box 181, London, NW2 2QY.

Notes on books

Clinics in Gastroenterology Vol. 2, no. 1, January 1973: Diseases of the Biliary Tract edited by Ian A. D. Bouchier. (Pp. vii + 215; illustrated. Annual subscription, three consecutive issues, £9.00.) W. B. Saunders, London, Philadelphia, Toronto. 1973. This volume maintains the high level of interest and standards achieved in previous volumes in this series. The book provides a wide spectrum of information on current thinking in biliary tract disease at a physiological, chemical, clinical, and technical level.

Recent Advances in Gastroenterology 2nd edition. Edited by John Badenoch and Bryan N. Brooke. (Pp. ix + 350; illustrated. £6.00.) Churchill Livingstone, London and Edinburgh. 1972. This edition picks out the important growing points in gastroenterology and each is discussed in depth. The reporting team of 15 members includes Sheila Sherlock (Australia (hepatitis-associated) antigen and virus hepatitis), Iain E. Gillespie (hormones and the alimentary tract), and R. E. O. Williams and B. S. Drasar (alterations in gut bacterial flora in disease). A first class publication.

Nutrition and Its Disorders by Donald S. McLaren. (Pp. v + 280; illustrated. £1.50.) Churchill Livingstone, Edinburgh and London. 1972. This concise book has been written from the experience gained during 10 years of teaching in a medical school. It covers normal nutrition, primary and secondary nutritional disorders, and nutrition in the community. It has been printed as an inexpensive paperback and will meet an important need in medical education and clinical practice.

Gastric Secretion edited by George Sachs, E. Heinz, and K. J. Ullrich. (Pp. xiii + 452; illustrated. £5.20.) Academic Press, New York and London. This is the proceedings of a symposium on gastric secretion held in Frankfurt in July 1971. It is a multiauthor work on gastric secretion with emphasis on mechanisms at the cellular level. Topics covered are structure, electrical properties, water flow, biochemical properties, enzymology, and stimulus mechanisms of gastric mucosa. Other organs such as pancreas, kidney, and toad bladder are also discussed in the light of acidification mechanisms.

Advances in Proctology edited by R. K. Menda. (Pp. xi + 312; illustrated. Rs. 125.00.) Eastern Medical Books Distributors, Bombay. This volume records the contributions given to an international seminar on diseases of the colon, rectum, and anus held in Bombay in 1968. Amoebae and tubercular diseases are well covered, in addition to the non-malignant and malignant diseases.

Birth Defects. Original Article Series, Part XIII. March 1972, vol. VIII, no. 2, edited by Daniel Bergsma. (Pp. 199; illustrated. £8.50.) Churchill Livingstone, Edinburgh and London. This book is a report of the fourth conference on the clinical delineation of birth defects attacking the gastrointestinal tract, the liver, and the pancreas, held at Baltimore in June 1971. It brings together a remarkable amount of information hitherto widely scattered. Dr Richard McConnell has written the introductory section as well as one of the 28 chapters of this important publication.

The Care of Your Colostomy J. C. Goligher and M. Pollard. Bailliere Tindall, London. 15p. This small, very practical booklet has been brought up to date in the second edition with the practical experience of hundreds of patients who have had a colostomy. It is well illustrated with good line drawings which prove of very great help to patients.

Soothing Food by Ben Duncan (Pp. 180; £2.25.) Faber and Faber, London. 1972. It may not be possible to demonstrate that special diets accelerate the healing of ulcers, but nevertheless patients know that some foods are kinder to their stomachs than others. This book, written by a duodenal ulcer sufferer, will enable others like himself to soothe their stomachs and

at the same time enjoy their food. Dr Robert Kemp has written a foreword for this very practical book.

Na-linked Transport of Organic Solutes edited by E. Heinz. (Pp. iv + 201; 118 figures. DM 28.—, US \$ 8.90.) Springer-Verlag, Berlin, Heidelberg, New York. 1972. This records the papers given at a symposium held under the auspices of the International Union of Physiological Sciences in 1971. It brings together present-day knowledge of the coupling between electrolyte and non-electrolyte transport in cells in the intestine, kidney, and pancreas.

Radionuclide Studies of the Gastrointestinal System edited by Leonard M. Freeman and M. Donald Blaurox. (Pp. xiv + 208; illustrated. £6.50, \$13.75.) Grune and Stratton, New York and London. 1973. This book contains the papers included in the 1972 April and July issues of *Seminars in Nuclear Medicine* which were devoted to the application of radionuclides to gastrointestinal studies.

Speaking at Medical Meetings: A Practical Guide by James Calnan and Andras Barabas. (Pp. ix + 117; illustrated. £1.25.) William Heinemann Medical Books, London. A most practical guide full of invaluable advice. A booklet no one can afford not to have.

Correction

'Ultrastructural changes suggestive of immune reactions in the jejunal mucosa of coeliac children following gluten challenge', *Gut*, 14, page 1, line 18, the word 'elevated' should have been 'lowered'.