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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.

**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. All measurements should be expressed in SI units and authors are referred to *J. clin. Path.*, 27, 590-597.

**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 authors' 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.

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- Paneth, J. (1888). Über die secernirenden Zellen des Dünndarm-Epithels. *Arch. mikr. Anat.*, 31, 113-191.
- Raeste, A. M. (1972). Lysozyme (muramidase) activity of leucocytes and exfoliated epithelial cells in the oral cavity. *Scand. J. dent. Res.*, 80, 422-427.
- Riecken, A. E., and Pearse, A. E. (1966). Histochemical study on the Paneth cell in the rat. *Gut*, 7, 86-93.
- Speece, A. J. (1964). Histochemical distribution of lysozyme activity in organs of normal mice and radiation chimeras. *J. Histochem. Cytochem.*, 12, 384-391.
- Trier, J. S., Lorenzsonn, V., and Groehler, K. (1967). Pattern of secretion of Paneth cells of the small intestine of mice. *Gastroenterology*, 53, 240-249.

## The June 1975 Issue

### THE JUNE 1975 ISSUE CONTAINS THE FOLLOWING PAPERS

- Antibodies to double-stranded (native) DNA in active chronic hepatitis P. DAVIS AND A. E. READ
- Cell-mediated immunity to hepatitis B surface antigen in blood donors with persistent antigenaemia W. M. LEE, W. D. REED, C. G. MITCHELL, I. L. WOOLF, I. W. DYMOCK, A. L. W. F. EDDLESTON, AND ROGER WILLIAMS
- Hepatitis-associated-antigen-positive hepatitis in a tuberculosis unit G. R. FITZGERALD, H. GRIMES, M. REYNOLDS, H. HITCHCOCK, AND C. F. MCCARTHY
- Endotoxin-induced liver necrosis and intravascular coagulation in rats enhanced by portacaval collateral circulation H. LIEHR, M. GRÜN, H. THIEL, D. BRUNSWIG, AND U. RASENACK
- Effect of gastric secretory inhibitors on the gastric mucosal barrier P. E. O'BRIEN AND D. C. CARTER
- The intrinsic innervation of the human alimentary tract and its relation to function ALAN BENNETT AND HELEN L. STOCKLEY
- Crohn's disease in Nottingham: A search for time-space clustering D. S. MILLER, ANDREA KEIGHLEY, P. G. SMITH, A. O. HUGHES, AND M. J. S. LANGMAN
- Assessment of simple methods of measuring intestinal transit times in children with gastroenteritis R. H. HIGGS, R. B. ELLIS-PEGLER, AND H. P. LAMBERT
- The nutritive effect of glucose on the structure and function of jejunal self-emptying blind loops in the rat H. MENGE, H. WERNER, H. LORENZ-MEYER, AND E. O. RIECKEN
- The influence of food intake on the development of structural and functional adaptation following ileal resection in the rat H. MENGE, M. GRÁFE, H. LORENZ-MEYER, AND E. O. RIECKEN
- ACTH-secreting 'apudoma' of gallbladder R. W. SPENCE AND C. J. BURNS-COX
- Effect of bile acids on electrical properties of rat colon: Evaluation of an *in-vitro* model for secretion E. JOSEPH SCHWITER, GERSHON W. HEPNER, AND RICHARD C. ROSE
- Influence of pudendal block on the function of the anal sphincters B. FRENCKNER AND CHR. V. EULER
- Progress report*  
 Tumour immunology and the gut K. C. CALMAN
- Notes and activities
- Notes on books

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## Notes and activities

### British Society of Gastroenterology and British Society for Digestive Endoscopy

#### ANNUAL MEETING

The 36th Annual Meeting of the British Society of Gastroenterology (BSG) will be held in Oxford from Thursday 25 September to Saturday 27 September 1975. The 4th Annual Meeting of the British Society for Digestive Endoscopy (BSDE) will be held in Oxford on Thursday 25 September 1975. The Council of the BSG and the Executive Committee of the BSDE have decided that, as an experiment, there will be a single registration fee of £5 to cover the meetings of both societies and that members of either society and their guests will be free to attend the scientific sessions of both societies. The social programme will be available to members of both societies, except for the annual dinners. The social programme will also be available to participants in the teaching day.

#### TEACHING DAY

The British Society of Gastroenterology is holding a teaching day in Oxford on Wednesday 24 September, which will be open also to non-members, including junior staff. The fee for the teaching day is £5 (for members and non-members alike).

#### ACCOMMODATION

Accommodation has been reserved for conference members and social guests and for participants in the teaching day at seven Oxford colleges.

#### CONFERENCE OFFICE AND ENQUIRIES

The local secretary for the BSG and the BSDE and for the teaching day is: Dr M. J. Goodman, Radcliffe Infirmary, Oxford.

#### APPLICATIONS

Applications should be sent to Dr M. J. Goodman, Radcliffe Infirmary, Oxford OX2 6HE *not later than 31 August 1975*. After that date, an additional booking fee of £4 is chargeable and college accommodation cannot be guaranteed. No social events can be booked after 31 August, but tickets for many of the events will be available at Rhodes House during the conference.

### The Organization of a Gastrointestinal Service

The Royal College of Physicians of London have published a report by their Standing Committee on Gastroenterology on 'The Organization of a Gastrointestinal Service'. This report sets out the importance of gastrointestinal diseases as a cause of morbidity in the population, with one in six patients admitted to district general hospitals suffering from digestive disorders. Although most gastrointestinal disorders can be diagnosed and managed very adequately by general practitioners, physicians and surgeons, there is a proportion of patients who require more specialized evaluation for correct treatment to be instituted. Such patients should be treated by physicians or surgeons who have had special training and experience in gastroenterology. Higher standards for the training of gastroenterologists have arisen from the considerable advances in the clinical, biochemical, physiological and hormonal aspects of gastroenterology and by many advances in diagnosis and treatment. The role of endoscopy is particularly stressed. The report notes that the Department of Health and Social Security will be collecting statistics of those in the speciality for the first time. The contribution of the British Society of Gastroenterology is reviewed, with special reference to the recently published report on training in gastroenterology, which outlines schemes of training not only for physicians but also for surgeons, radiologists, pathologists and others concerned in the practice of gastroenterology. The basic requirements for a hospital gastrointestinal service are set out in detail, together with the ways in which such a service can function. The need for close cooperation between physicians and surgeons is emphasized, and also for the links which must be developed with radiology, pathology, clinical chemistry, the medical physics and psychiatry. The increasing role of paediatric gastroenterology is reviewed. The scope of academic units is defined. Such units have the advantage not only of being able to study problems in depth, but also to provide comprehensive, highly specialized diagnostic services for the NHS. The need for a limited number of chairs in gastroenterology is mentioned. The objective is an adequate gastrointestinal service throughout the country, together with the necessary arrangements for training younger gastroenterologists. The British Society of Gastroenterology

and the British Society of Digestive Endoscopy, working together, are doing much to raise the standards.

### Open Day at the Royal Free Hospital

An open day at the new Royal Free Hospital, Pond Street, Hampstead, was organized by Professor Sheila Sherlock and held in the Academic Department of Medicine. The pattern of the day was to show the research undertaken by past and present members of the Department so there were two sessions devoted to papers given by these speakers who had come from Italy, America, Mexico, France, and Britain, and later in the day demonstrations, which had been set up by the present members of the Department to show work in progress, were set out. A number of guests had been invited and these included past members of the Department who had come from as far afield as Brazil, just for one day to revisit their old unit. The social side was an important part of the day when old friends could meet again and also see the excellent facilities for research and the wards in London's newest hospital. There are facilities for endoscopy, and research subjects in progress include methods of artificial liver support, the immunology of liver and colonic disease, bile salt metabolism, the assay of bile duct cells, and facilities for the intensive care of patients with liver failure. The meeting concluded with a buffet dinner by kind invitation of the North Camden Health Authority. The Mayor of Camden was one of the guests during the evening.

### Gastroenterology-Liver Disease Teaching Materials Produced by the American Gastroenterology Association

The American Gastroenterological Association, utilizing a grant from the National Fund for Medical Education, has produced source materials for basic science and clinical courses involving gastroenterology and liver disease. Fourteen separate units covering different aspects of the pathophysiology of digestive disease are available. Each unit contains an outline of important concepts, 50 to 125 slides for use in teaching to illustrate the theme under discussion and various conditions and clinical examples, test questions, and bibliography.

The units currently available for distribution are:

Unit IA *Bile Salts and Gallstones:*

(Martin C. Carey, MD, Boston University and Harvard University) 115 slides—\$80.32

Unit V *Lipid Digestion and Absorption* (Alan F. Hofmann, MD, Mayo Medical School) 75 slides—\$57.89.

Unit VIII *Gut Ecology and Immunology* (Sherwood Gorbach, MD, UCLA) 79 slides—\$54.67.

Unit XII *Integrative Response to a Meal* (Frank P. Brooks, MD, University of Pennsylvania) 50 slides—\$45.83.

Units can be ordered through AGA Educational Materials, c/o Milner-Fenwick, Inc. 3800 Liberty Heights Avenue, Baltimore, Maryland 21215 (cheques or purchase orders to: Milner-Fenwick)

For more specific information, please contact the project director, Theodore M. Bayless, MD, Gastroenterology Division, Johns Hopkins Hospital, Baltimore, Maryland 21205.

thelium (P. W. Kent), highly selective vagotomy (David Johnston), lessons from cholera (G. E. Sladen), gallstones (Ian A. D. Bouchier), medical management of ulcerative colitis (S. C. Truelove), halothane hepatitis (Joan Trowell) and fulminant hepatic failure (Roger Williams).

**Clinics in Gastroenterology: Volume 4 Number 2 May 1975 Cirrhosis** edited by Hans Popper. (Pp. vii + 225-464; illustrated. £6.00 single copy; UK annual subscription to three consecutive issues: £12.00.) W. B. Saunders Co. Ltd, London, Philadelphia, and Toronto. 1975. Hans Popper writes the foreword for this international team covering cirrhosis. The sections 'Viral hepatitis and cirrhosis' (Sheila Sherlock), 'Relation of alcoholic liver injury to cirrhosis' (Emanuel Rubin and Charles S. Lieber), 'Fibrosis in chronic liver disease' (Hans Popper and Geoffrey Kent), and 'Management of gastrointestinal bleeding in cirrhotic patients' (B. Rueff and J. P. Benhamou). Another distinguished volume for this fine series.

**Artificial Liver Support** edited by Roger Williams and Iain M. Murray-Lyon. (Pp. xvi + 367; illustrated. £9.00.) Pitman Medical, Tunbridge Wells. 1975. This reports in detail the papers and discussions of an international symposium which brought together hepatologists and experts in bio-engineering and polymer chemistry. This is a timely and admirable report on a fast growing field of liver research.

**A Concise Surgery of the Acute Abdomen** by John A. Shepherd. (Pp. 208; illustrated. £5.50.) Churchill Livingstone, Edinburgh, London, and New York. 1975. This is a comprehensive but compact text on the diagnosis and management of acute abdominal conditions written for surgeons in training.

**MTP International Review of Science Physiology: Series One Volume 4 Gastrointestinal Physiology** edited by E. D. Jacobson and L. L. Shanbour. (Pp. 386; illustrated. £8.50.) Butterworths, London. University Park Press, Baltimore. 1974. The concept of this review series is to provide regular authoritative reviews of entire disciplines. This latest volume covers gastrointestinal physiology with contributions on gastrointestinal hormones (L. R. Johnson, USA), gastrointestinal mucosal metabolism (Thomas J. Sernka, USA),

principles of electrophysiology and their application to epithelial tissues (Stanley G. Schultz, USA), gastrointestinal circulation (J. Grayson, Canada), gastrointestinal motility (N. W. Weisbrodt, USA), salivary secretion (L. H. Schneyer, USA, and N. Emmelin, Sweden), gastric secretion (S. J. Konturek, Poland), pancreatic exocrine secretion (R. M. Preshaw, Canada), absorption of water-soluble substances (R. Levitan and D. E. Wilson, USA), and absorption of lipids (W. J. Simmonds, Australia).

**International Agency for Research on Cancer, Lyon, France, Annual Report 1972-1973.** (Pp. 134; illustrated. Sw. fr. 6.-) World Health Organization, Geneva. 1973. Also obtainable from HMSO, London. This report covers the work of the International Agency for Research on Cancer (IARC) during the 18 months ending 30 June 1973 and it will in future appear annually. The Unit of Epidemiology and Biostatistics reports on the international cooperative work on oesophageal cancer and liver cancer. The other main units cover environmental, biological, and chemical carcinogens.

**Food Nutrition Research Report of the Agricultural Research Council/Medical Research Council Committee.** (Pp. xv + 212. £3.80.) HMSO, London. Elsevier Scientific Publishing Company, Amsterdam and New York. 1974. This is a very important review of research in the field of food and nutrition and on the scope for promoting further research in the relatively neglected area of human nutrition.

## Notes on books

**Diseases of the Esophagus** by G. Vantrappen and J. Hellemans. (Pp. xxvii + 878; illustrated. DM390.) Springer Verlag, Berlin, Heidelberg, and New York. 1974. This is the first major book on the oesophagus and it has been superbly written. It provides a complete record of all aspects of oesophageal structure, function, disorder, and disease. It is very well illustrated and should become a world classic publication. There are contributions from Belgium, France, the Netherlands, Great Britain, Switzerland, Germany, South Africa, Spain, and the United States of America.

**Topics in Gastroenterology 2** edited by S. C. Truelove and Joan Trowell. (Pp. x + 373; illustrated. £10.00.) Blackwell Scientific Publications. 1975. This invaluable book is based on a course in post-graduate gastroenterology held in Oxford in January 1975 and it covers all the important growing points in gastroenterology. Among the 24 chapters are contributions on colonoscopy (Christopher Williams), mucus synthesis and cellular specialization in the gastrointestinal epi-

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