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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 Two copies of 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.

ACKNOWLEDGEMENT OF MANUSCRIPTS Manuscripts will not be acknowledged unless a stamped addressed postcard or international reply coupon is enclosed.

ILLUSTRATIONS Only essential Figures and Tables should be included. *Photographs* Unmounted photographs on glossy paper should be provided. Magnification scales, if necessary, should be lettered on these. Where possible, prints should be trimmed to column width (i.e. 2½ in). *Diagrams* These will usually be reduced to 2½ in wide. Lettering should be in either Letraset or stencil, and care should be taken that lettering and symbols are of comparable size. Illustrations should not be inserted in the text, they should be marked on the back with Figure numbers, title of paper, and name of author. All photographs, graphs, and diagrams should be referred to as Figures and should be numbered consecutively in the text in Arabic numerals. The legends for illustrations should be typed on a separate sheet. *Tables* Tables should be numbered consecutively in the text in Arabic numerals and each typed on a separate sheet.

ETHICS Ethical considerations will be taken into account in the assessment of papers (see the Medical Research Council's publications on the ethics of human experimentation, and the World Medical Association's code of ethics, known as the Declaration of Helsinki (see *British Medical Journal* (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 MEq/l. All measurements except blood pressure should be expressed in SI units (see *Journal of Clinical Pathology* (1974), 27, 590-597; *British Medical Journal* (1974), 4, 490), followed by traditional units in parentheses. Such conversion is the responsibility of the author.

REFERENCES In the text these should follow the Harvard system—that is, name followed by date; James and Smith (1970). If there are more than two authors they should be cited as James *et al.* (1970) even the first time that they appear. The list of references should be typed in double spacing and in alphabetical order on a separate sheet. Such references should give the author's name, followed by initials and year of publication in brackets, *the title of the article quoted*, the name (in full) of the journal in which the article appeared, the volume number in Arabic numerals, followed by numbers of first and last pages of article.

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- Hotz, J., Minne, H., and Ziegler, R. (1973). The influences of acute hyper- and hypocalcemia and of calcitonin on exocrine pancreatic function in man. *Research in Experimental Medicine*, **160**, 152-165.
- Hummel, B. D. (1955). A modified spectrophotometric determination of chymotrypsin, trypsin and thrombin. *Canadian Journal of Biochemistry*, **33**, 1339-1397.
- Lagerlöf, H., and Welin, G. (1937). Pancreatic secretion after secretin during insulin hypoglycemia and after graded amounts of secretin. *Acta Medica Scandinavica*, **91**, 397-408.
- Marchis-Mouren, G., Sarda, L., and Desnuelle, P. (1959). Purification of hog pancreatic lipase. *Archives of Biochemistry*, **83**, 309-319.
- Nakajima, S. (1973). The action of C-terminal octapeptide of cholecystokinin and related peptides on pancreatic exocrine secretion. *Gut*, **14**, 607-615.
- Schmidt, H., Hesch, R. D., Hüfner, M., Paschen, K., and Creutzfeldt, W. (1971). Hemmung der exokrinen Pankreassekretion des Menschen durch Calcitonin. *Deutsche medizinische Wochenschrift*, **96**, 1773-1775.
- Schwert, G. W., and Takenaka, Y. (1955). Spectrophotometric determination of trypsin and chymotrypsin. *Biochimica et Biophysica Acta*, **16**, 570-575.
- Wolfert, W., Hartmann, W., and Hotz, J. (1974). Exocrine pancreatic secretion and output of bile in humans under conditions of hypoglycemia and administration of atropine. *Digestion*, **10**, 9-16.

The July 1977 Issue

THE JULY 1977 ISSUE CONTAINS THE FOLLOWING PAPERS

- Effects of proximal gastric vagotomy (PGV) followed by total vagotomy (TV) on postprandial and fasting myoelectrical activity of the canine stomach and duodenum P. AEBERHARD AND B. S. BEDI
- Clinical picture of peptic ulceration diagnosed endoscopically M. C. SHEPPARD, G. K. T. HOLMES, AND R. COCKEL
- Double-blind trial of cholestyramine in post-vagotomy diarrhoea V. M. DUNCOMBE, T. D. BOLIN, AND A. E. DAVIS
- Correlation between manometric and pH tests for gastro-oesophageal reflux C. STANCIU, R. C. HOARE, AND J. R. BENNETT
- Gastric emptying of barium sulphate suspension compared with that of water N. RAMSBOTTOM, M. T. KNOX, AND J. N. HUNT
- Cholelithiasis in subjects with hypercalcaemia and primary hyperparathyroidism detected in a health screening T. CHRISTENSSON AND K. EINARSSON
- Behaviour of ¹²⁵I-fibrinogen and ¹³¹I-albumin in experimental galactosamine-induced hepatitis I. MAHN, H. MERKEL, E. L. SATTLER, AND G. MÜLLER-BERGHHAUS
- Functional renal failure and haemorrhagic gastritis associated with endotoxaemia in cirrhosis C. CLEMENTE, J. BOSCH, J. RHODÉS, V. ARROYO, A. MAS, AND S. MARAGALL
- Hyperoxaluria correlates with fat malabsorption in patients with sprue G. B. McDONALD, D. L. EARNEST, AND W. H. ADMIRAND
- Effect of intraluminal oxygen on endotoxin absorption in experimental occlusion of the superior mesenteric artery K. SHUTE
- Variation in the incidence of diverticular disease within the city of Edinburgh M. A. EASTWOOD, JEAN SANDERSON, S. J. POCOCK, AND W. D. MITCHELL
- Double-blind placebo-controlled study of loperamide (Imodium) in chronic diarrhoea caused by ileocolic disease or resection P. MAINGUET AND R. FIASSE
- Progress report Cancer of the pancreas R. G. H. MORGAN AND K. G. WORMSLEY
- Notes and activities
- Books

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Notes and activities

BSG Autumn Meeting, York

The 38th Autumn Meeting of the British Society of Gastroenterology (together with the AGM and in conjunction with the Autumn Meeting of the British Society for Digestive Endoscopy) is being held in York from 22-24 September. This will be preceded by a teaching day, sponsored by the BSG, on Wednesday, 21 September. Details of the scientific programme and social events together with details of residential accommodation are available from the BSG Secretariat, Department of Surgery, University College Hospital Medical School, the Rayne Institute, 5 University Street, London WC1 E6JJ, from whom registration forms can be obtained.

International Symposium on Intensive Care in Hepatology and Gastroenterology

This symposium will take place in Marseille from 26-28 September, 1977 under the auspices of the Société Nationale Française de Gastroentérologie, the Association Française pour L'Étude du Foie (AFEF), and the Medical School of Marseilles. Details may be obtained from Dr. J. di Costanzo, Hôpital-Sainte-Marquinte, Marseille, France.

Electrical Activity in the Digestive Tract

A one-day conference on 'Electrical Activity in the Digestive Tract' will be held at The London Hospital on 27 September 1977. Visiting participants will include Professor C. F. Code (Los Angeles), Professor G. Vantrappen (Leuven), Professor Sir Donald Douglas (Dundee), Dr. R. J. Levin (Sheffield), and Dr. J. Szurszewski (Rochester, USA). Details and forms of registration (fee £10) from: Miss D. J. Tolfree, Surgical Unit, The London Hospital, Whitechapel, London E1 1BB.

Books

Chromaffin, Enterochromaffin and Related Cells By R. E. Coupland and T. Fujita. (Pp. 400; illustrated; Dfl. 130.) Elsevier: Amsterdam. 1976.

Enormous advances have recently been made in knowledge of the structure, distribution, and function of that group of

granule-containing endocrine cells which have ultrastructural features in common with chromaffin cells. This book is the proceedings of a symposium which was therefore held in Gifu, Japan, in 1975 to bring together scientists from various countries working in this field. The main focus of the book revolves round the identification of functional cell types by ultrastructural and biological methods. In the past decade chromaffin cells and EC cells of the gut have been shown to be similar both in ultrastructure and in the ability to take up and decarboxylate amines, especially DOPA. This property is shared by non-argentaaffin endocrine cells that are localised outside the gut and pancreas, which raises interesting questions about their relationships and derivations. Pearse's postulate of a common neuroectodermal origin for the APUD endocrine cells was well supported by the papers given at this symposium. An important contribution was the concept, brought forward by Fujita, of the 'paraneuronal system', suggested by morphological, cytochemical, and functional studies which show the neural nature of the gut endocrine system. This is of particular interest in view of the recent discovery of a number of hormonal peptides which are common to the gut and the brain and the probability that the neural and gut endocrine elements form a single functional system. This is a well-balanced account with many high quality illustrations, making it a most useful and highly recommended reference source.

S. R. BLOOM

Metabolic Aspects of Alcoholism Edited by Charles S. Lieber. (Pp. 308; illustrated. £11.50). MTP Press: Lancaster. 1977.

Alcoholism is one of the world's major health problems and, although liver damage is often the most obvious physical accompaniment, few organs escape unscathed. This book examines the metabolism of alcohol and the ways in which it affects the body. The editor, Charles Lieber, discusses the various pathways of alcohol metabolism and the mechanism of liver injury including the rôles of toxic intermediates such as acetaldehyde and nutritional deficiencies. Seven subsequent chapters, each written by a distinguished worker in the field, examine the changes in the other organs. Malabsorption is a common finding and alcohol has deleterious effects on the structure and function of the small

intestinal mucosa. Folic acid deficiency may also have an important role here. Steatorrhoea occurs in about 50% of patients with cirrhosis with or without associated alcoholism and is probably multifactorial in origin. The effects of alcohol on the heart are discussed in two chapters with some unnecessary overlap and it is stressed that haemodynamic disturbances are present in the chronic alcoholic before any clinical manifestations of heart disease. Changes in bone are less well recognised and there are lucid descriptions of the mechanism of development of alcohol-induced osteoporosis, neuropathic bone disease in the feet, and non-traumatic osteonecrosis of the hips. Acute and chronic alcoholic myopathy and recent work on changes in smooth muscle function are well covered. All the formed elements of the blood may be affected and there are comprehensive accounts of the disorders of folic acid metabolism, the variety of types of haemolytic anaemia, and the mechanism of granulocytopenia. Alcohol is said to be the commonest cause of thrombocytopaenia in the USA! There are comprehensive chapters on the effects of alcohol on the central nervous and endocrine systems. The book is for the most part well illustrated, the chapters are clearly summarised and are supported by extensive up-to-date references. The book can be warmly recommended.

I. M. MURRAY-LYON

Annals of the Rheumatic Diseases, January, 1977, vol. 36, suppl. No. 1. **Detection and Measurement of Circulating Soluble Antigen-Antibody Complexes and Anti-DNA Antibodies** (Pp. 142; illustrated; £4.50) BMA: London. 1977.

The progress achieved in the detection and measurement of circulating soluble immune complexes has been brought together in this report on workshops held at the Kennedy Institute of Rheumatology last year. Much of this work is of course of much significance in relation to hepatitis.

Correction

'Gastric duodenitis, and circulating levels of gastrin in duodenal ulcer before and after vagotomy': D. D. Meikle, K. B. Taylor, S. C. Truelove, and R. Whitehead (1976, vol. 17, p. 723). The legends for Figures 4 and 5 should be transposed.

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