

Editor: R N Allan

Technical Editors: Sue Burkhart and Norma Pearce

Book Review Editor: D L Wingate

Editorial Assistant: Jackie Foulds

EDITORIAL COMMITTEE

A T R Axon M F Bassendine R M Batt D G Colin-Jones M F Dixon

G R Giles

I T Gilmore M R B Keighley M Lucas P J Milla D Nolan C O'Morain

M E Parsons W D W Rees J M Rhodes R I Russell S Tabaqchali I C Talbot

D R Triger R C N Williamson S J W Evans (Statistical adviser)

Editor

British Medical Journal

Gut publishes original papers and reviews concerned with practice and clinical research in gastroenterology. The field includes the basic science, molecular biology, physiology and diseases of the alimentary tract, the liver and pancreas including epidemiological, medical, surgical, radiological or histopathological aspects. Case reports will only be accepted if of exceptional merit. Letters related to articles published in Gut or with topics of general professional interest are welcomed. Authors are encouraged to include the names and addresses of four experts whom the authors consider suitable to peer review their work.

COMMUNICATIONS Two copies of the manuscript and figures should be addressed to the Editor, Gut, BMA House, Tavistock Square, London WC1H 9JR, UK. Manuscripts should follow the Vancouver conventions (see Br Med J 1979; i: 532-5. Gut 1979; 20: 651-2). They should be in double-spaced typewriting on one side of the paper only. The title page should include the name of the author with initials or distinguishing first name only, and the name and address of the hospital or laboratory where the work was performed. The paper must include a precise summary of the work of less than 200 words. Excessive use of abbreviation is discouraged. A covering letter signed by all authors must state that the data have not been published elsewhere in whole or in part and that all authors agree to publication in Gut. Previous publication in abstract form must be disclosed in a footnote. Papers must not be published elsewhere without prior permission of the Editorial Committee.

ACKNOWLEDGEMENT OF MANUSCRIPTS Manuscripts will only be acknowledged if an addressed postcard is enclosed.

ILLUSTRATIONS *Photographs* Unmounted photographs on glossy paper should be provided. Illustrations should not be inserted in the text but marked on the back with the figure numbers, title of paper and name of author. All photographs, graphs, 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.

ETHICS Ethical aspects will be considered 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 *Br Med J* 1964; 2: 177)).

SI UNITS All measurements except blood pressure are expressed in SI units. In tables, and illustrations values are given in SI units, but a conversion factor must be supplied. For general guidance on the International System of Units and some useful conversion factors, see *The SI for Health Professions* (WHO, 1977). NB: Such conversion is the responsibility of the author.

REFERENCES These follow the Vancouver system – that is, references numbered consecutively in the text and listed numerically with titles abbreviated in the style of *Index Medicus, Standard journal article* – (list all authors when six or less; when seven or more, list first three and add et al): James A, Joyce B, Harvey T. Effect of longterm cimetidine. Gut 1979; 20: 123–4. NB: Accurate punctuation is essential.

CORRECTIONS other than printers' errors may be charged to the author.

REPRINTS Reprints will be available on payment of the necessary costs; the number of reprints required should be sent to the Publishing Manager on the form provided with the proof.

NOTICE TO ADVERTISERS All applications for advertisement space and 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 rates are £121 inland and £130 overseas (USA \$220.00). Reduced subscriptions of £52 available to trainees for one year. Orders should be sent to the Subscription Manager, Gut, BMA House, Tavistock Square, London WC1H 9JR. 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 be sent to: British Medical Journal, Box 560B, Kennebunkport, Maine 04046. All enquiries, however, must be addressed to the Publisher in London.) Subscribers may pay for their subscriptions by Access, Visa, or American Express by quoting on their order the credit or charge card preferred together with the appropriate personal account number and the expiry date of the card. All overseas copies of the journal are sent by accelerated surface post. If required, full air mail rates and enquiries for single copies already published should be addressed to the Publisher in London.

COPYRIGHT © 1990 Gut. This publication is copyright under the Berne Convention and the International Copyright Convention. All rights reserved. Apart from any relaxations permitted under national copyright laws, no part of the publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means without the prior permission of the copyright owners. Permission is not, however, required to copy abstracts of papers or articles on condition that a full reference to the source is shown. Multiple copying of the contents of the publication without permission is always illegal.

Second class postage paid, Rahway NJ. Postmaster: send address changes to: Gut, c/o Mercury Airfreight International Ltd Inc, 2323 Randolph Avenue, Avenel, NJ 07001, USA. ISSN 0017-5749

Published by British Medical Association, Tavistock Square, London WCIH 9JR. Typeset by Bedford Typesetters Ltd Printed by Centurion Press Ltd

VOLUME 31 · GENERAL INDEX

ABATZI TH-A. See KISS A, 259

colitis, 1271

report), 834,

See also Pernicious anaemia

ANAND BS. See MISRA SP, 1073 ANDERBERG B. See ROLNY P, 821

-: See gjorup 1, 1411

ANDERSEN JR. See HEGNHOJ J, 1076

ANDERSSON K-E. See TOTTRUP A, 17

-: See murray aw, **270**

```
Abdominal ultrasound, intraoperative (Leading article), 368
Acetate absorption in normal and secreting rat jejunum, 170
Achalasia, oesophageal, postganglionic nerve stimulation in: in vitro study,
ACHARYA SK. See ARORA A. 1419
Acid reflux and cigarette smoking, 4
Acidification, oesophageal, and lower oesophageal sphincter pressure, 266
Acid (itv) See also Gastric; Intragastric
Acrodermatitis enteropathica with normal zinc concentrations (Letter), 243
Acyclovir in prevention of duodenal ulcer recurrence, 151
Adenocarcinoma cell line HT 29 in human colon, laminin binding proteins
    in cell membranes of, 70
  stomal, in Crohn's disease (Case report), 1329
Adenoma, colorectal, gastrointestinal intraluminal pH in, 1355
  liver cell, systemic AA amyloidosis induced by Case report), 361
  villous, of the common hepatic duct: role of ultrasound in management,
    (Case report), 558
Adenomas, colonic, and colorectal cancer, low diacylglycerol values in, 1041
Adenovirus, human, serotype 12, synthetic dodecapeptide derived from:
    cellular hypersensitivity in coeliac disease, 668
ADLER G. See MUNDLOS S, 1324
Agalactosyl IgG in inflammatory bowel disease: correlation with C-reactive
   protein, 431
AGAPE D. See VECCHI M, 482
AGUAYO JL. See PARRILLA P, 964
AHLBERG J. See SAHLIN S, 100
AHLBOM A. See PERSSON P-G, 1377
AIDS, Epstein-Barr virus associated oesophageal ulcers in, 1223
AISO S. See HIBI T, 1371
AKAMA H: A case of nodular regenerative hyperplasia of the liver, CREST
    syndrome, and primary biliary cirrhosis (Letter), 1335
AKKERMANS LMA. See SCHAAP HM, 984
Alanine and glucose transport enhanced in cystic fibrosis, 817
ALBERT V, YOUNG GP, MORTON CL, ROBINSON P, BHATHAL PS: Systemic factors
    are trophic in bypassed rat small intestine in the absence of luminal
    contents, 311, (Letter), 959
Albumin infusion, intravenous, for hyponatraemia in cirrhotic patients with
  ascites, 204, (Letter), 1419
Alcohol dehydrogenase activity, hepatic, in alcoholics with and without liver
    disease, 707
  fed rats, protein synthesis of muscle fractions from small intestine in, 305
  pure, injection of, and heat probe thermocoagulation in massive peptic
    ulcer haemorrhage, trial of, 753
Alcoholic liver disease, glutathione S-transferases in, 909
  liver disease, lipid peroxidation and hepatic antioxidants in, 1311
Aldosterone in regulation of colonic sodium transport in early childhood,
    194
ALEOTTI A. See CASELLI M, 1423
ALEXANDER-WILLIAMS J. See MOREL P, 875
ALEXIOU A. See ARCHIMANDRITIS AJ, 481
al karawi ma. See mohamed are, 439
ALLEMANN P. See MERKI HS. 148
ALLISON C. See GINBSON GR, 679
ALMDAL T, HEINDORFF H, BARDRAM L, VILSTRUP H: Increased amino acid
    clearance and urea synthesis in a patient with glucagonoma, 946
ALMDAL T. See RASMUSSEN TN, 92
alvisi v. See caselli m, 1423, pazzi p, 1422
Amino acids, clearance of, and urea synthesis, increased in a patient with
    glucagonoma (Case report), 946
  acids, decrease in plasma concentrations induced by caerulein: test of
    pancreatic function, 926
5-Aminosalicylic acid in ulcerative colitis, therapeutic action of, 184
  acid, disposition by olsalazine and mesalazine in patients with ulcerative
```

acid, olsalazine, and sulphasalazine, scavenger effect of (Letter), 730

Anaemia, obscure, and hepatic dysfunction in Castleman's disease (Case

Anaerobic bacterial culture supernatant, enteric, and deoxycholate, effects

Anal function and rectal sensation in patients with faecal incontinence, 1056

on intestinal calcium absorption and disaccharidase activity, 770

acid treatment: effect on in vitro natural killer cell activity, 1030 Amyloidosis, AA, systemic, induced by liver cell adenoma (Case report), 361

```
ANGELIN B. See BERGLUND L. 899
ANISS AM. See WEGMAN EA, 1289
Anorectal manometry in irritable bowel syndrome: differences between
    diarrhoea and constipation predominant subjects, 458
  physiologic function and faecal incontinence, efficacy of biofeedback
    training in improving, 1395
Antibiotics, adjuvant, in duodenal ulcers treated with bismuth subcitrate,
Anticolon antibody production in vitro by mucosal or peripheral blood
    lymphocytes from patients with ulcerative colitis, 1371
Antigliadin antibody and jejunal Ig secretion in adult coeliac disease, 1345
ANTONI M. See BOURLIERE M, 949
Antroduodenal motility, interdigestive, in dyspeptic patients improved by
    longterm oral cisapride, 286
APARICIO-PAGES MN, VERSPAGET HW, HAFKENSCHEID JCM, CRAMA-BOHBOUTH GE,
    PENA AS, WETERMAN IT, LAMERS CBH: Inhibition of cell mediated cytotox-
    icity by sulphasalazine: effect of in vivo treatment with 5-aminosalicylic
    acid and sulphasalazine on in vitro natural killer cell activity, 1030
Aphthous ulcer patients: effector cells responsible for in vitro cytotoxicity of
    blood leucocytes for oral epithelial cells, 294
APPELMAN HD: Cancer in an ileoanal reservoir (Letter), 1161
Appendix, goblet cell, carcinoid of, 322, (Letter), 840
ARATO A. See VERKASALO MA, 422
ARCHIMANDRITIS AJ, TJIVRAS M, DAVARIS P, ALEXIOU A, BITSIKAS J: Helicobacter
    associated gastritis in patients with duodenal ulcer: the influence of
    various drugs (Letter), 481
ARMBRECHT U, STOCKBRUGGER RW, RODE J, MENON GG, COTTON PB: Development
    of gastric dysplasia in pernicious anaemia: a clinical and endoscopic
    follow up study of 80 patients, 1105
ARNDORFER RC. See HELM JF, 266
ARNOUX D. See BOURLIERE M, 949
ARORA A, ACHARYA SK Prediction of severity of acute pancreatitis (Letter), 1419
Arterial oxygen saturation during upper gastrointestinal endoscopy: effects
    of a midazolam/pethidine combination, 270
Arteritis, mesenteric, 956
  Takayasu's, associated with idiopathic ulcerative colitis (Case report), 831
ARVILL A. See ROLNY P, 821
Ascites, intravenous albumin infusion for hyponatraemia in cirrhotic
    patients with, 204
ASHRAF M. See DOWSETT JF, 905
Aspirin induced gastric mucosal injury in man abolished by omeprazole, 514
ASQUITH P. See MIKE N, 883
Asthma and gastro-oesophageal reflux (Leading article), 1
ATKINSON M. See OLIVER SE, 750
Autoimmune involvement in the pathogenesis of inflammatory bowel dis-
    eases (Leading article), 961
Avery Jones, Sir Francis, at 80 (Birthday tribute), 489
Awards, 732
AXELSON J. See TIELEMANS Y, 274
AXON ATR. See CRABTREE JE, 1033; HESSEY SJ, 134; LANSDOWN M, 977
AYRES RCS, ROBERTSON DAF, DEWBURY KC, MILLWARD-SADLER GH, SMITH CL:
     Spontaneous regression of hepatocellular carcinoma, 722
BABBS C. See MCMAHON RFT, 484
Bacteria, adhesion of, and disease activity in Helicobacter associated chronic
     gastritis, 134
   tightly spiral shaped, in the human stomach: another cause of active
    chronic gastritis?, 139
Bacterial invasion of Peyer's patches, involvement of M cells in, 1011
   overgrowth, jejunal, and intestinal permeability in children with immu-
     nodeficiency syndromes, 879
   See also Anaerobic bacterial culture
BAGG J. See THOMAS DW, 294
BAGNOLO F. See TESTONI PA, 286
BAKER R. See MARSH MN, 32
BALLESTRERO A. See DALLEGRI F, 184
Balloon catheter, designed for angioplasty, modified for use in the dilatation
     of tight biliary strictures, 565
BANERJEE AK: Systemic factors and luminal contents in gut adaptation
    (Letter), 959
       PETERS TJ: Experimental non-steroidal anti- inflammatory drug-
     induced enteropathy in the rat: similarities to inflammatory bowel
     disease and effect of thromboxane synthetase inhibitors, 1358
```

Bangladesh, acute diarrhoea in expatriates in (Letter), 123

BARDRAM L. See ALMDAL TP, 946

BARBARA L. See BOLONDI L, 1306; GIONCHETTI P, 730; GULLO L, 926

BARDHAN KD, MORRIS P, THOMPSON M, DHANDE DS, HINCHLIFFE RFC, JONES RB, DALY MJ, CARROLL NJH: Omeprazole in the treatment of erosive

oesophagitis refractory to high dose cimetidine and ranitidine, 745

BARON JH, KARIM QN, WALKER MM: H pylori and duodenal ulcer (Letter), 242

-: See jacyna mr, 714 : short biography of, 1084 BARR H, KRASNER N, RAOUF A, WALKER RJ: Prospective randomised trial of laser therapy only and laser therapy followed by endoscopic intubation for the palliation of malignant dysphagia, 252, (Letter), 1161 BARRESI G, TUCCARI G, TEDESCHI A, MAGAZZU G: Lectin binding sites in the jujunal mucosa of patients with gluten sensitive enteropathy (*Letter*), Barrett's oesophagus, evaluation of the magnitude of gastro-oesophageal reflux in, 964 BARRY JL. See CLOAREC D, 300 BARTON JR, RIAD MA, GAZE MN, MARAN AGD, FERGUSON A: Mucosal immunodeficiency in smokers, and in patients with epithelial head and neck tumours, 378 -: See also o'mahony s, 1341 BASSETT KS. See BATE CM, 968 BATE CM: Randomised, double blind comparison of omeprazole and cimetidine in the treatment of symptomatic gastric ulcer (Reply to letter), -, KEELING PWN, O'MORAIN C, WILKINSON SP, FOSTER DN, MOUNTFORD RA, TEMPERLEY JM, HARVEY RF, THOMPSON DG, DAVIS M, FORGACS IC, BASSETT KS, RICHARDSON PDI: Comparison of omeprazole and cimetidine in reflux oesophagitis: symptomatic, endoscopic, and histological evaluations, 968 BATENBURG PL. See DEES A, 1414 BATMAN PA, KAPEMBWA MS, GRIFFIN GE: Enteropathy associated with HIV (Letter), 960 Batteries See Button batteries BAUMANN W. See KELLER KM, 1156 BAXTER P, GOLDHILL J, HARDCASTLE J, HARDCASTLE PT, TAYLOR CJ: Enhanced intestinal glucose and alanine transport in cystic fibrosis, 817 BAYLISS AP. See FEATHERSTONE T, 834 BEARDSHALL K. See FREEMAN TC, 1318 BECKER S. See SINGER MV, 1335 BEGER HG. See SCHOENBERG MH, 1138 Belching controlled by the lower oesophageal sphincter, 639 BELL J. See STEADMAN C, 845 BELLAMY D. See HINSULL SM, 389 BELLUZI A. See GIOCHETTI P, 730 BENDTSEN F. See RUNE SI, 151 BENNETT IR. See GOLDMAN IM. 1 BENSI G. See DOBRILLA G, 355 BENVENISTE J. See DENIZOT Y, 1242 BERANEK JT: Osler's disease is not a telangiectasia but a tumour (Letter), 242 BERGLUND L, ANGELIN B, HULTCRANTZ R, EINARSSON K, EMTESTAM L, DRUMMOND G, KAPPAS A: Studies with the haeme oxygenase inhibitor Snprotoporphyrin in patients with primary biliary cirrhosis and idiopathic haemochromatosis, 899 BERGMANN H. See KISS A, 259 BERNARD JP. See SARLES H, 629 BERNERSEN B, JOHNSEN R, STRAUME B, BURHOL PG, JENSSEN TG, STAKKEVOLD PA: Towards a true prevalence of peptic ulcer: the Sorreisa gastrointestinal disorder study, 989 BETHGE H. See BLUM AL, 825 BHASIN DK. See KOCHHAR R, 334; SAKHUJA V, 831 BHASKAR NK. See DANESHMEND TK, 514 BHATHAL PS. See ALBERT V, 311 BIANCHI PORRO G, PARENTE F, SANGALETTI O: Inhibition of nocturnal acidity is important but not essential for duodenal ulcer healing, 397 : See also PACE F. 1025 Bicarbonate secretion in rat duodenum and human stomach in vivo, effect of bismuth subcitrate and sucralfate on, 26, (Letter), 958 BIEMOND I. See WETERMAN IT, 1387

BIJMA AM. see VAN DER HAM AC, 807

Bile acid synthesis and biliary lipid composition in familial hypercholesterolaemia, effect of pravastatin on, 348

and mucosa of gall bladder, interactions between; relevance to gall stone formation (Progress report), 568

duct antibodies crossreacting with blood group antigens in primary sclerosing cholangitis, 698

duct, common, stenosis of: pathology in cystic fibrosis (Case report), 236 duct obstruction, incidence of conditions leading to, and requirements for diagnostic and therapeutic biliary procedures, 1150

duct stones, extra-and intrahepatic: fragmentation by electromagnetically generated extracorporeal shockwaves, 222

duct See also Hepatic duct

from gall bladder, and endoscopically obtained from duodenum, comparison of, 1407

Biliary access: needle knife papillotomy, 905

cirrhosis, primary, lung lavage cells from, immunological features may reflect those in pulmonary sarcoidosis, 208

cirrhosis, primary, low molecular weight IgM in, 88

cirrhosis, primary, haeme oxygenase inhibitor Sn-protoporphyrin in, 899 cirrhosis, primary, nodular regenerative hyperplasia of the liver, and CREST syndrome (Letters), 483, 1335

cirrhosis, primary, referral of patients for liver transplantation, 1069

endoprostheses, clogging of, 913

lipid composition and bile acid synthesis in familial hypercholesterolaemia, effect of pravastatin on, 348

lipid secretion, hepatic, and gall bladder biliary lipid mass in gall stone patients: effect of ursodeoxycholic acid, 226

motility (Progress report), 571

strictures, tight, use of a modified angioplasty balloon catheter in the dilatation of, 565

Billroth II gastric remnant, myoelectrical activity of, 984

BILTON D, FOX R, WEBB AK, LAWLER W, MCMAHON RFT, HOWAT JMT: Pathology of common bile duct stenosis in cystic fibrosis, 236

BINNIE NR, KAWIMBE BM, PAPACHRYSOSTOMOU M, SMITH AN: Use of the pudendo-anal reflex in the treatment of neurogenic faecal incontinence, 1051

Biofeedback training in improving faecal incontinence and anorectal physiologic function, efficacy of, 1395

Biopsies See Fine needle

BIRD SP, HEWITT D, RATCLIFFE B, GURR MI: Effects of lactulose and lactitol on protein digestion and metabolism in conventional and germ free animal models: relevance of the results to their use in the treatment of portosystemic encephalopathy, 1403

BISHOP AE. See COUPE M, 144

Bismuth induced encephalopathy caused by tripotassium dicitrato bismuthate in a patient with chronic renal failure (Case report), 359, (Letter), 1086

subcitrate, adjuvant antibiotic therapy in duodenal ulcers treated with,

subcitrate and sucralfate, effect on rat duodenal and human gastric bicarbonate secretion in vivo, 26, (Letter), 958

subcitrate, effect on symptoms and gastric histology in non-ulcer dyspepsia, (Clinical trial), 476

subcitrate, repeated, effect on the response of rat gastric mucosa to presence of luminal ethanol, 389

subsalicylate reduces peptic injury of oesophagus in rabbits, 11

BITSIKAS J. See ARCHIMANDRITIS AJ, 481

BJARNASON I, HOPKINSON N, ZANELLI G, PROUSE P, SMETHURST P, GUMPEL JM, LEVI AJ: Treatment of non-steroidal-anti- inflammatory drug induced enteropathy, 777

: See also marsh mn, 32; smith t, 1120; teahon k, 1133

BJERGLUND ANDERSEN L. See HEGNHOJ J, 1076

BLACKETT RL. See PRIMROSE IN, 763

BLAKE H. See RAO KJM, 565

BLAKE JC, SAWYERR AM, DOOLEY JS, SCHEUER PJ, MCINTYRE N: Severe hepatitis caused by cyproterone acetate (Case report), 556

BLESSING K. See PARK K, 322, 840

Blood group antigens in primary sclerosing cholangitis, bile duct antibodies crossreacting with, 698

leucocytes from aphthous ulcer patients: effector cells responsible for in vitro cytotoxicity for oral epithelial cells, 294

BLUM AL, BETHGE H, BODE JCH, DOMSCHKE W, FEURLE G, HACKENBERG K, HAMMER B, HUTTEMANN W, JUNG M, KACHEL G, KAESS H, MANEGOLD BC, PETER P, PFLEIDERER T, ROHNER HG, RASENACK U, SANWALD R, STALDER GA, VALLOTTON J-J: Sucralfate in the treatment and prevention of gastric ulcer: multicentre double blind placebo controlled study, 825

BOCCIERI A. See CUCCHIARA S, 21, 129

BODE JCH. See BLUM AL, 825

BOERBOOMS AMT. See VAN KLAVEREN RJ, 953

BOGENTOFT C. See BROWN NJ, 1126

BOGLIOLO F. See DALLEGRI F, 184

BOLONDI L, GAIANI S, LI BASSI S, ZIRONI G, CASANOVA P, BARBARA L: Effect of secretin on portal venous flow, 1306

BONNEVIE O. See RUNE SI. 151

Book reviews:

BAILLIERES Clinical gastroenterology ed by IAD Bouchier, Vol 3 Jaundice, 1989, 485

BARKIN JS, ROGERS AI, eds: Difficult decisions in digestive diseases, 1989, 587 BEATTIE AD: Diagnostic tests in gastroenterology, 1989, 732

BLASER MJ, ed: Campylobacter pylori in gastritis and peptic ulcer disease, 1989, 587

COLLINS Reference dictionary: medical quotations, ed by J Dainth, A Isaacs, 1990, 1338

COTTON PB, TYTGAT GNJ, WILLIAMS CB: Annual of gastrointestinal endoscopy, 1989, 1337

DAVISON JS: Gastrointestinal secretion, 1989, 485

European Journal of Gastroenterology and Hepatology. Vol 1, no 1, ed by JJ Misiewicz, 1989, 586

FISCHER JE: Common problems in gastrointestinal surgery. Vol 1, 1989, 585

GARNER A, WHITTLE BJR, eds: Advances in drug therapy of gastrointestinal ulceration, 1989, 732

GITNICK G, ed: Current gastroenterology. Vol 9, 1989, 586

ed: Current hepatology. Vol 9, 1989, 587

GRANT THOMPSON W: Gut reactions: understanding symptoms of the digestive tract, 1990, 1336

GROTH CG: Pancreatic transplantation, 1988, 1337

HENNESSEY TPJ, CUSCHIERI A, BENNETT JR: Reflux oesophagitis, 1989, 1336 ITOH Z: Motilin, 1990, 1337

BURROUGHS AK. See MCCORMICK PA, 204, 561

BUSCARINI E. See SBOLLI G, 1303

LEVINE MS: Radiology of the esophagus, 1989, 588 BUSCARINI L. See SBOLLI G, 1303 MCDERMOTT WV, ed: Surgery of the liver, 1989, 586 Button batteries, swallowed, management, 867 MARSTON A, BULKLEY GF, FIDDIAN-GREEN RG, et al: Splanchnic ischaemia and BUURMAN WA. See GREVE JW, 198 multiple organ failure, 1989, 731 MOYER MP, POSTE GH: Colon cancer cells, 1990, 1336 ¹³ C-urea breath test in the detection of *H pylori* and in monitoring effect of PAUMGARTNER G, STIEHL A, GEROK E, eds: Trends in bile acid research, Falk tripotassium dicitratobismuthate in non-ulcer dyspepsia, 1237 CADRANEL JF, GRIPPON P, GARGOT D, OPOLON P: CREST syndrome: nodular Symposium 52, 1989, 588 regenerative hyperplasia of the liver and primary biliary cirrhosis an PEPPERCORN MA: Therapy of inflammatory bowel disease: new . . . approaches, 1990, 731 overlap syndrome? (Letter), 483 POYNARD T, PIGNON JP, eds: Duodenal ulcer . . . clinical trials, 1989, 586 Caecal and faecal homogenates, hydrogen and methane production in the PREECE PE, CUSCHIERI A, ROSIN RD: Cancer of the bile ducts and pancreas, 1989, human colon compared in, 684 Caerulein induced plasma amino acid decrease: test of pancreatic function, RATHBONE BJ, HEATLEY RV, eds: Campylobacter pylori and gastroduodenal disease, 1989, 485 CAFFREY C, HITMAN GA, NIVEN MJ, CASSELL PG, KUMAR P, FRY L, MACKINTOSH P, GALLAGHER R, FEIGHERY C, WEIR D, SACHS JA: HLA-DP and coeliac disease: READ NW, ed: Gastrointestinal motility: which test? 1989, 732 SHEARMAN DJC, FINLAYSON N, CARTER DC, eds: Diseases of the gastrointestinal family and population studies, 663 tract and liver, 1989, 586 CALAM J. See COUPE M, 144; FREEMAN TC, 1318; PLAYFORD RJ, 359 Calcium See Intestinal calcium SHERLOCK S: Diseases of the liver and biliary system. 8th ed, 1989, 485 SODEMAN WA, SALADIN TA, BOYD WP: Geriatric gastroenterology, 1989, 1338 CALDOW IL. See IONES RH. 401 CALES P, DESMORAT H, VINEL JP, CAUCANAS JP, RAVAUD A, GERIN P, BROUET P,
PASCAL JP: Incidence of large oesophageal varices in patients with TANNER S: Paediatric hepatology, 1989, 587 VAN NESS MV, GURNEY MS, eds: Handbook of gastrointestinal drug therapy, cirrhosis: application to prophylaxis of first bleeding, 1298 1989, 587 CALETTI G. See CORAZZA GR, 1080 WATTS G: Irritable bowel syndrome: a practical guide, 1990, 1336 CAMERLINGO F. See CUCCHIARA S, 21
Camostate (FOY-305) improves the therapeutic effect of peritoneal lavage on WILLIAMSON RCN, COOPER MJ, eds: Emergency abdominal surgery, 1989, 1337 Books received, 588 BOOTH C: Sir FA Jones at 80, 490 taurocholate induced pancreatitis, 934 CAMPBELL A. See FULLARTON GM, 231 BOOTH IW. See KELLER KM, 1156 CAMPBELL CA. See COLSON DJ, 370 BORDIGONI L. See BOURLIERE M, 949 CAMPBELL MJ. See PLAYFORD RJ, 359 BORNET F. See CLOAREC D, 300 BORODO MM. See WATSON AJM, 170 CAMPIERI M. See GIONCHETTI P, 730 Campylobacter pylori See Helicobacter pylori BOTTA D. See BOURLIERE M, 949 Cancer and precancer in extensive ulcerative colitis: findings among 401 BOTTOMLEY JM. See JONES RH, 401 BOUDJELAL M. See FIEVET P, 361 patients over 22 years, 800 BOUHNIK Y. See FLOURIE B, 684 colorectal, low diacylglycerol values in, 1041 gastric, early, survey of British Society of Gastroenterology: interim report, BOULOS PB. See LOIZOU LA, 812 $\ \, \text{bourliere M, Le treut YP, Arnoux D, Castellani P, Bordigoni L, Maillot A, } \\$ gastric, gastric emptying in, 767 ANTONI M, BOTTA D, POL B, GAUTHIER AP: Acute Budd-Chiari syndrome in an ileoanal reservoir: a new late complication? (Case report), 473, (Letter), with hepatic failure and obstruction of the inferior vena cava as presenting manifestations of hereditary protein C deficiency, 949 oesophageal, squamous cell, inoperable, what does radiotherapy add to Bowel disease, granulomatous, animal model, effect of immune modulating agents, 674 survival over endoscopic intubation alone?, 750 Bowel See also Inflammatory bowel; Intestinal; Intestine; Irritable bowel; of the pancreas (Leading article), 494 Short bowel rectosigmoid, endoscopic Nd: YAG laser treatment of, 812 See also Carcinoma BOWN SG. See LOIZOU LA, 812 Candida albicans, antibody in Crohn's disease, 536 BOYD EJS. See FULLARTON GM, 518 CANN PA. See BROWN SR, 450 BOYLSTON AW. See KITCHEN VS, 1223 BRANDTZAEG P. See VALNES K, 647 CAPOZZI C. See CUCCHIARA S, 21 CAPRON JP. See FIEVET P, 361 BRANSKI D. See LIGUMSKY M, 1416 CAPUTO E. See MELA GS, 1087 BREALEY R. See DUBE R, 431 Breath tests See 13 C-urea; Carbon dioxide; Cholesteryl octanoate; Hydrogen Carbenoxolone See Pyrogastrone Carbohydrate malabsorption, lactulose H, breath tests for quantifying, BRIGNOLA C. See GIOCHETTI P, 730 interval sampling of end-expiratory H, concentrations, 37 British Digestive Foundation, service to the media (Letter), 731 Carbohydrates, refined, intake of, and duodenal ulcer: case-control study, British Society of Gastroenterology early gastric cancer/dysplasia survey: an interim report, 115 ¹³Carbon dioxide breath test to measure hydrolysis of various starch formula-Society of Gastroenterology, Presidents of, 1084 BRITTON DC. See HOLMAN RAE, 504 tions in healthy subjects, 175 Carcinoid, goblet cell, of the appendix, 322, (Letter), 840 BROCCHI E. See CORAZZA GR, 1080 tumour of the common bile duct complicating von Hippel-Lindau syn-BROOKE B: Sir FA Jones at 80, 489 BROOME U, GLAUMANN H, HULTCRANTZ R: Liver histology and follow up of 68 drome (Case report), 728 patients with ulcerative colitis and normal liver function tests, 468 Carcinoma and dysplasia in ulcerative colitis, diagnosis of, microspectrophotometric DNA analysis, 1266 BROUET P. See CALES P, 1298 BROWN ML. See KAMATH PS, 443 colorectal, gastrointestinal intraluminal pH in, 1355 BROWN NJ, READ NW, RICHARDSON A, RUMSEY RDE, BOGENTOFT C: Characterisitics gastric stump: risks and pathogenesis (Leading article), 1217 of lipid substances activating the ileal brake in the rat, 1126 hepatocellular, diagnosis of, ultrasound guided fine needle aspiration biopsy, 1303 BROWN SR, CANN PA, READ NW: Effect of coffee on distal colon function, 450 hepatocellular, spontaneous regression of (Case report), 722 BRUNT PW. See FEATHERSTONE T, 834 Brush border See Jejunal brush border oesophageal, in Sri Lanka (Letter), 242 pancreatic, with polyarthritis, fat necrosis, and high serum lipase and BRYNSKOV J, TVEDE N: Plasma interleukin-2 and a soluble/shed interleukin-2 receptor in serum of patients with Crohn's disease. Effect of cyclosporin, trypsin activity, 953 squamous, in the liver (Case report), 1333 See also Adenocarcinoma; Cancer BUCHLER M. See SCHOENBERG MH, 1138 Caroli's disease, epithelial dysplasia in (Letter), 584 BUCKELS JAC. See NEUBERGER JM, 1069 Budd-Chiari syndrome, acute, with hepatic failure and inferior vena caval CARROLL NJH. See BARDHAN KD, 745; DEHN TCB, 509 CARTER DC: Cancer of the pancreas (Leading article), 494 obstruction: presentation of hereditary protein C deficiency (Case report), CASANOVA P. See BOLONDI L, 1306 CASELLI M, MORSIANI E, ALEOTTI A, ALVISI V: Gall bladder epithelium and BUDILLON G. See PIGNATA C, 879 BUKHAVE K. See STAERK LAURSEN L, 1271 cholesterol gall stones, (Letter), 1423 Bulimia nervosa and a stepped care approach to management (Leading article),CASPARY W. See HELLSTERN A, 922 CASSELL PG. See CAFFREY C, 663 CASTELLANI P. See BOURLIERE M, 949 nervosa, oesophageal and gastric motor activity in, 259 Castleman's disease, obscure anaemia and hepatic dysfunction in (Case BULLIMORE DW. See CRABTREE JE, 1033 BULTMANN B. See SCHOENBERG MH, 1138 report), 834 Cathepsins D and E in gastric tissue: an immunohistochemical study, 1250 BURCHARTH F. See GIORUP I, 1411 Catheter See Balloon catheter BURHOL PG. See BERNERSEN B, 989

CAUCANAS JP. See CALES P, 1298 CAVANNA L. See SBOLLI G, 1303

CD25 cells See Interleukin-2 receptor

Cefixime, suppression of H pylori by, reduction of gastric ulcer recurrence after, 973

Cell membranes of a human colon adenocarcinoma cell line, identification of laminin binding proteins in, 70

CELLE G. See SAVARINO V, 364, 584

Cellular procoagulant activity in gastroenterology (Progress report), 239

CHACKO A, SZAZ KF, HOWARD J, CUMMINGS JH: Non-invasive method for delivery of tracer substances or small quantities of other materials to the colon, 106 CHADEE K, NDARATHI C, KELLER K: Binding of proteolytically-degraded human

colonic mucin glycoproteins to the Gal/GalNAc adherence lectin of Entamoeba histolytica, 890

CHAN-WILDE C. See KANG JY, 550

CHAPARALA RC. See TAY HP, 11

CHARNLEY RM, HARDCASTLE JD: Intraoperative abdominal ultrasound (Leading article), 368

CHAWLA YK, DILAWARI JB, RAMESH GN, KAUR U, MITRA SK, WALIA BNS: Sclerotherapy in extrahepatic portal venous obstruction, 213

CHENG J. See COENE PPL, 913

CHESNER I. See HANNAN A, 1246

Chest pain: nutcracker, neurosis, or sampling bias? (Leading article), 736 pain of oesophageal origin, diagnosis of, ambulatory 24 hour intraoesophageal pH and pressure recordings v provocation tests, 738

CHESTA J, DEBNAM ES, SRAI SKS, EPSTEIN O: Delayed stomach to caecum transit time in the diabetic rat. Possible role of hyperglucagonaemia, 660

CHETTY U. See PARK K, 322, 840

CHEW R. See KANG JY, 550

Cholangitis, primary sclerosing, bile duct antibodies crossreacting with blood group antigens in, 698

Cholecystectomy, morphine induced pain and rises in liver enzymes after: sympathetic activation? 217

Cholecystokinin See Enteroendocrine cells

Cholelithiasis See Gall stone

Cholera toxin, secretory response to, and fluid absorption, in the rat, modulation by dietary fat, 1256

Cholestasis, chronic, in cystic fibrosis: effects of ursodeoxycholic acid on nutrition and liver function, 918

Cholestatic jaundice, chronic liver disease and tumour necrosis factor (Hypothesis), 938

Cholesteryl octanoate breath test: monitoring enzyme replacement treatment in exocrine pancreatic insufficiency, 1324

Cholinergic neuroeffector transmission of ganglionic and aganglionic colon in Hirschsprung's disease, 1046

CHOONG HL. See WEE A, 1093

CHOUDHARY V. See MISRA SP, 1073

CHOY MY, WALKER-SMITH JA, WILLIAMS CB, MACDONALD TT: Differential expression of CD25 (interleukin-2 receptor) on lamina propria T cells and macrophages in the intestinal lesions in Crohn's disease and ulcerative colitis, 1365

CHRISTENSEN KC. See LADEFOGED K, 124

CHRONOS N. See MCCORMICK PA, 561

CHUGH KS. See SAKHUJA V, 831

CICCIMARRA F. See PIGNATA C, 879

Cigarette smoking See Smoking

Cimetidine and omeprazole in reflux oesophagitis, comparison of, 968 and omeprazole in symptomatic gastric ulcer, comparison of, (Letter), 483 and omeprazole in symptomatic erosive reflux oesophagitis, double blind comparison of, 509

and pyrogastrone in reflux oesophagitis (Clinical trial), 351

high dose and ranitidine, omeprazole in erosive oesophagitis refractory to,

predictors of duodenal ulcer healing during treatment with, 758

Cimetropium bromide in longterm treatment of irritable bowel syndrome (Clinical trial), 355

Cirrhosis, biliary See Biliary cirrhosis

incidence of large oesophageal varices in patients with, 1298

of the liver, nodular regenerative hyperplasia mimicking, 725

Cirrhotic patients with ascites, intravenous albumin infusion for hyponatraemia in, 204, (Letter), 1419

Cisapride, effects on oesophageal motility and acid reflux in infants with gastro-oesophageal reflux disease, 21

oral, longterm, improves interdigestive antroduodenal motility in dyspeptic patients, 286

CIVARDI G. See SBOLLI G, 1303

CLAMP SE. See UNWIN BJ, 115

CLARKE PD. See RAMAGE JK, 123

CLARKE SW. See SPITERI MA, 208

CLEMENTS D, NEWMAN P, ETHERINGTON R, LAWRIE BW, RHODES J: Squamous carcinoma in the liver, 1333

CLOAREC D, BORNET F, GOUILLOUD S, BARRY JL, SALIM B, GALMICHE JP: Breath hydrogen response to lactulose in healthy subjects: relationship to methane producing status, 300

Clostridium difficile, enterotoxins from; diarrhoeogenic potency and morphological effects in the rat intestine, 781

COATES GC. See ROBERTS-THOMSON IC, 217

Coeliac disease, activated eosinophils in (Letter), 583

disease, adult, jejunal Ig and antigliadin antibody secretion in, 1345

disease and HLA-DP: family and population studies, 663

disease: cellular hypersensitivity to a synthetic dodecapeptide derived from human adenovirus 12, 668

disease, effect of diet and age on jejunal and circulating lymphocyte subsets in children with, 422

disease, HLA status, mucosal morphology, permeability and epithelial lymphocyte populations in first degree relatives of patients with, 32

disease, molecular basis of (Leading article), 497

disease, non-responsive, small bowel enema in, 883

disease, partial lipodystrophy in (Case report), 717

disease, signs of increased leakage over jejunal mucosa during gliadin challenge in, 153

disease, unsuspected, loss of duodenal folds allows diagnosis, (Case report), 1080

ganglionectomy (Letter), 1335

COENE PPLO, GROEN AK, CHENG J, OUT MMJ, TYTGAT GNJ, HUIBREGTSE K: Clogging of biliary endoprostheses: a new perspective, 913

Coffee, effect on distal colon function, 450

COHEN Z. See STERN H, 473; WAKEFIELD A, 239

Colectomy rate in ulcerative colitis: epidemiologic study, 329

COLGAN SM. See PRIOR A. 896

COLIN-JONES DG. See DEHN TCB, 509; GEAR MWL, 1150

Colitis and colonic mucus (Letter), 730

experimental, role of reactive oxygen metabolites in, 786

granulomatous, in a rat model: progression of chronic inflammatory lesions reduced by dietary fish oil, 539

See also Ulcerative colitis

COLLEY JRT. See GEAR MWL, 1150

COLLINS JSA, HAMILTON PW, WATT PCH, SLOAN JM, LOVE AHG: Quantitative histological study of mucosal inflammatory cell densities in endoscopic duodenal biopsy specimens from dyspeptic patients using computer linked image analysis, 858

COLLINS JV. See HANSON PJV, 657

COLOMBEL JF, JANIN A, TORPIER G: Activated eosinophils in coeliac disease (Letter), 583

, MASCART-LEMONE F, NEMETH J, VAERMAN JP, DIVE C, RAMBAUD JC: Jejunal immunoglobulin and antigliadin antibody secretion in adult coeliac disease, 1345

Colon adenocarcinoma, human, cell line HT 29, identification of laminin binding proteins in cell membranes of, 70

adenomas and colorectal cancer, low diacylglycerol values in, 1041

anastomosis, healing, and peritoneal macrophages in the rat, eicosanoid profile of, 807

distal, effect of coffee on function of, 450

ganglionic and aganglionic in Hirschsprung's disease, cholinergic neuroeffector transmission in, 1046

human, alternative pathways for hydrogen disposal during fermentation,

human, functioning, 15-N-urea metabolism in, 454

non-invasive method for delivery of tracer substances or other materials to,

proximal and distal, of guinea pig, potassium concentration at the mucosal surface of, 64

Colonic capacitance and transit in man: modulation by luminal contents and drugs, 443

disease, schistosomal, 439

extract, human, enriched with a 40kDa protein, circulating antibodies against, in ulcerative colitis, 1016

mucin glycoproteins, proteolytically-degraded, human, binding to the Gal/ GalNAc adherence lectin of Entamoeba histolytica, 890

mucus and colitis (Letter), 730

myoelectrical signals recorded with intramuscular electrodes in the human rectosigmoid in vivo, concordance between, 1289

resistance arteries, isolated, short chain fatty acids dilate, 1391

sodium transport: development in early childhood and regulation by aldosterone, 194

Colorectal adenoma or carcinoma, gastrointestinal intraluminal pH in, 1355 cancer and colonic adenomas, low diacylglycerol values in, 1041

cancer in ulcerative colitis, screening for (Leading article), 1089

neoplasia, role of gastrointestinal investigations in a screening study, 1294 COLSON DJ, CAMPBELL CA, WRIGHT VA, WATSON BW: Predictive value of oesophageal pH variables in children with gastro-oesophageal reflux, 370

Computerised pump to maintain constant intragastric pH, 1246 Computed tomography and endoscopy in the management of alimentary tract lipomas (Case report), 550

CONNOLLY GM, FORBES A, GAZZARD BG: Investigation of seemingly pathogennegative diarrhoea in patients infected with HIV1, 886

Constipation, chronic, intractable, motor neuropathy and reduced filling of the rectum in, 1284

COOPERATIVE STUDY GROUP: Double blind comparative study of omeprazole and ranitidine in patients with duodenal or gastric ulcer: a multicentre trial,

CORAL A. See JENNINGS PE, 558

CORAZZA GR, BROCCHI E, CALETTI G, GASBARRINI G: Loss of duodenal folds allows diagnosis of unsuspected coeliac disease (Case report), 1080

General index COTTING J, LENTZE MJ, REICHEN J: Effects of ursodeoxycholic acid treatment on nutrition and liver function in patients with cystic fibrosis and longstandtive colitis, 184 DALY MJ. See BARDHAN KD, 745 ing cholestasis, 918 COTTON PB. See ARMBRECHT U, 1105 COUDRAY-LUCAS C. See ZIEGLER F, 1277 of aspirin induced gastric mucosal injury in man, 514 DANIELSSON A. See SAHLIN S, 100 COUPE M, REES H, SPRINGER CJ, BISHOP AE, MORRIS JA, POLAK JM, CALAM J: Gastric DARZI A, REID I, KAY E, MONSON JRT, TANNER WA, KEANE FBV: Piezolelectric enterochromaffin-like cells in hypergastrinaemic duodenal ulcer disease, 144 clinical setting, 1110 CRABTREE JE, JUBY LD, HEATLEY RV, LOBO AJ, BULLIMORE DW, AXON ATR: Soluble interleukin-2 receptor in Crohn's disease: relation of serum concentra-DAS KM. See TAKAHASI F, 1016 DAVARIS P. See ARCHIMANDRITIS AJ, 481 tions to disease activity, 1033 CRAMA-BOHBOUTH GE. See APARICIO-PAGES MN, 1030 DAVIES JA. See SITUNAYAKE RD, 1311 DAVIS M. See BATE CM, 968; HOLMAN RAE, 504 CRAMPTON JR. See SHORROCK CJ, 26, 958 -: See situnayake Rd, 1311 CREAN GP. See FULLARTON GM, 518 DAWSON A: Sir FA Jones at 80, 492 CREST syndrome, nodular regenerative hyperplasia of the liver and primary DAWSON AA. See FEATHERSTONE T, 834 biliary cirrhosis, an overlap syndrome? (Letters), 483, 1335 DAX I. See STALLMACH A. 70 CREUTZFELDT W. See LEONHARDT U, 934 DAY SJ. See KENDALL GPN, 1062 CRICHTON S. See O'MAHONY S, 1341 CRIMMINS F. See STEADMAN C, 845 DEBNAM ES. See CHESTA J, 660 Crohn's disease and ulcerative colitis, differential expression of CD25 DE BUYSER K. See HIELE M, 175 (interleukin-2 receptor) on lamina propria T cells and macrophages in DE DOMBAL FT, PRICE AB, THOMPSON H, WILLIAMS GT, MORGAN AG, SOFTLEY A, intestinal lesions in, 1365 disease, antibody to selected strains of Saccharomyces cerevisiae and Candida cancer/dysplasia survey: an interim report, 115 albicans in, 536 disease, elemental diet in, ten years' experience, 1133 associated with a bleeding gastric ulcer (Case report), 1414 DE FRANCHIS R. See VECCHI M, 482 disease, elemental diet, use by gastroenterologists Letter), 1424 disease, ileal, glucocorticoids in, 325 disease in the city of Derby 1951-85, 1262 disease, mortality and causes of death, 50 years' experience in Leiden University Hospital, 1387 DELAMARRE J. See FIEVET P, 361 disease, pancreatic function in, 1076 DELCHIER J: Omeprazole in H₂ blocker non-responders- author's reply (Letter), disease, plasma interleukin-2 and a soluble/shed interleukin-2 receptor in 584 serum of patients with, 795 delves ht. See playford rj, 359 disease, rectal mucosal dysplasia in, 1382 disease, soluble interleukin-2 receptor in: serum concentrations and disease DE MULDER PHM. See VAN KLAVEREN RJ, 953 activity, 1033 acether synthesis by Helicobacter pylori, 1242 disease, stomal adenocarcinoma in (Case report), 1329 DeNol See Bismuth subcitrate; Tripotassium dicitrato bismuthate CROKER J. See DOWSETT JF, 905 CRUMP BJ. See SITUNAYAKE RD, 1311 DENT J. See WYMAN JB, 639 DENT NA. See GEAR MWL, 1150

Cryptosporidial infection, enteric, protracted, in selective IgA and saccharomyces opsonin deficiencies (Case report), 714, (Letter), 1423

CUCCHIARA S, STAIANO A, BOCCIERI A, DE STEFANO M, CAPOZZI C, MANZI G, CAMERLINGO F, PAONE FM: Effects of cisapride on parameters of oesophageal motility and on the prolonged intraoesophageal pH test in infants with gastro-oesophageal reflux disease, 21

, GOBIO CASALI L, BOCCIERI A, PAONE FM: Value of the 24 hour intraoesophageal pH monitoring in children, 129

CUMMINGS JH. See CHACKO A, 106; GIBSON GR, 679

CUMMINS AG, LABROOY JT, STANLEY DP, ROWLAND R, SHEARMAN DJC: Quantitative histological study of enteropathy associated with HIV infection, 317,

CUNDY TF, O'GRADY JG, WILLIAMS R: Recovery of menstruation and pregnancy after liver transplantation, 337

CUOMO R. See PIGNATA C, 879

CUSCHIERI A: Postvagotomy diarrhoea: is there a place for surgical management? (Leading article), 245

CUVELIER C, MIELANTS H, DE VOS M, VEYS E, ROELS H: Major histocompatibility complex class II antigen (HLA-DR) expression by ileal epithelial cells in patients with seronegative spondylarthropy, 545

Cyclic adenosine monophosphate production in enterocytes isolated from human duodenal biopsy specimens, effect of vasoactive intestinal peptide on, 1350

Cyclophosphamide, effect on an animal model of granulomatous bowel disease, 674

Cyclosporin, interleukin-2, and Crohn's disease, 795

Cyclosporin A, effect on an animal model of granulomatous bowel disease, 674

CYNOBER L. See ZIEGLER F, 1277

Cyproterone acetate causing severe hepatitis, (Case report), 556

Cystic fibrosis, enhanced intestinal glucose and alanine transport in, 817 fibrosis, pathology of common bile duct stenosis in (Case report), 236

fibrosis patients with longstanding cholestatis, effect of ursodeoxycholic acid treatment on nutrition and liver function in, 918

Cytology, fine needle aspiration, of rectal masses, 334

Cytoprotection against neutrophil derived hypochlorous acid: therapeutic action of 5-aminosalicylic acid in ulcerative colitis, 184

Cytotoxicity, cell mediated, inhibited by sulphasalazine, 1030

in vitro, of blood leucocytes from aphthous ulcer patients for oral epithelial cells, effector cells responsible for, 294

D'ANNA LM. See DOWSETT JF, 905 DADUFALZA VD. See KRUGLIAK P, 417 DAHL K. See MADSEN JL, 1003

DALLEGRI F, OTTONELLO L, BALLESTRERO A, BOGLIOLO F, FERRANDO F, PATRONE F: Cytoprotection against neutrophil derived hypochlorous acid: a potential mechanism for the therapeutic action of 5-aminosalicylic acid in ulcera-

DANESHMEND TK, STEIN AG, BHASKAR NK, HAWKEY CJ: Abolition by omeprazole

lithotripsy and soft tissue injury. Safety limits in the experimental and

CLAMP SE, UNWIN BJ: The British Society of Gastroenterology early gastric

DEES A, BATENBURG PL, UMAR HM, MENON RS, VERWEIJ J: Strongyloides stercoralis

DEHN TCB, SHEPHERD HA, COLIN-JONES D, KETTLEWELL MGW, CARROLL NJH: Double blind comparison of omeprazole (40mg od) versus cimetidine (400 mg ad) in the treatment of symptomatic erosive reflux oesophagitis, assessed endoscopically, histologically and by 24 h pH monitoring, 509

DENIZOT Y, SOBHANI I, RAMBAUD J-C, LEWIN M, THOMAS Y, BENVENISTE J: Paf-

Deoxycholate and an enteric anaerobic bacterial culture supernatant, effects on intestinal calcium absorption and disaccharidase activity, 770

Derby, city of, Crohn's disease in, 1262

DE ROOY FWM. See HOOGERBRUGGE-VD LINDEN N, 348

DESAI A. See MOSLEY IG, 956

DESMORAT H. See CALES P, 1298

DE STEFANO M. See CUCCHIARA S. 21

DE VOS M. See CUVELIER C, 545 DEV WIG J. See KOCHHAR R, 334

DEWBURY KC. See AYRES RCS, 722

DHANDE DS. See BARDHAN KD, 745

Diabetic rat, delayed stomach to caecum transit time in, 660

subjects, non-insulin dependent, plasma insulin, serum lipids and lipoproteins in gall stone disease in: case control study, 344, (Letter) 000

Diacylglycerol values, low, in colonic adenomas and colorectal cancer, 1041 DIAMOND T, STIEL D, LUNZER M, WILKINSON M, ROCHE J, POSEN S: Osteoporosis and skeletal fractures in chronic liver disease, 82

Diarrhoea, acute, in expatriates in Bangladesh (Letter), 123

enterotoxins from Clostridium difficile, 781

of famine and malnutrition, rat model, 43, 162

protracted, familial, lethal, defective jejunal brush border membrane sodium/proton exchange in association with (Case report), 1156

seemingly pathogen-negative, in HIV type 1, 886

postvagotomy: is there a place for surgical management (Leading article), 245

Diet, elemental, in the management of Crohn's disease, ten years' experience with, 1133 elemental, in treatment of Crohn's disease by gastroenterologists (Letter),

1424

Dietary fat in modulation of fluid absorption and the secretory responses of rat jejunum to cholera toxin, 1256

Dietary fibre and refined sugar intake in duodenal ulcer, 993

fish oil reduces progression of chronic inflammatory lesions in a rat model of granulomatous colitis, 539

linoleic acid: low intake and duodenal ulcer, 997

DILAWARI JB. See CHAWLA YK, 213

DILL S, PAYNE-JAMES JJ, MISIEWICZ JJ, GRIMBLE GK, MCSWIGGAN D, PATHAK K, WOOD AJ, SCRIMGEOUR CM, RENNIE MJ: Evaluation of 13 C-urea breath test in the detection of Helicobacter pylori and in monitoring the effect of tripotassium dicitrato- bismuthate in non-ulcer dyspepsia, 1237

DILLINGER HW. See HELLSTERN A, 922

DILLON MJ. See JENKINS HR, 194

Dinner, time of, influence on nocturnal gastric pH (Letter), 364

Disaccharidase activity and intestinal calcium absorption, effects of an enteric anaerobic bacterial culture supernatant and deoxycholate on, 770 di stasi m. See sbolli g, 1303

(Letter), 243

of extra-and intrahepatic bile duct stones, 222

patient with chronic renal failure (Case report), 359

1430 DITSCHUNEIT H. See JANOWITZ P, 1407 Electromagnetically generated extracorporeal shock waves for fragmentation DIVE C. See COLOMBEL JF, 1345 Diverticula, Meckel's, H pylori infection in (Letter), 243 ELIAS E. See NEUBERGER JM, 1069 DIXON MF. See HESSEY SJ, 134; LANSDOWN M, 977 ELLIOTT EJ. See WATSON AJM, 170 DNA analysis, microspectrophotometric, in ulcerative colitis and its applica-ELLIS A. See MARSH MN, 32 tion in diagnosis of carcinoma and dysplasia, 1266 ELMES ME: Acrodermatitis enteropathica with normal zinc concentrations DOBRILLA G: Ranitidine nocte v ranitidine mane and nocte (Letter), 242 , IMBIMBO BP, PIAZZI L, BENSI G: Longterm treatment of irritable bowel EMTESTAM L. See BERGLUND L, 899 syndrome with cimetropium bromide: a double blind placebo controlled Encephalopathy, hepatic, chronic, lactulose resistant, vancomycin hydroclinical trial, 355 chloride in, 702, (Letter), 1424 DODDS WJ. See HELM JF, 266; WYMAN JB, 639 induced by bismuth caused by tripotassium dicitrato bismuthate in a Dodecapeptide, synthetic, derived from human adenovirus 12, cellular hypersensitivity to, in coeliac disease, 668 portosystemic: effects of lactulose and lactitol on protein digestion and DODGE JA. See SAGHER FA, 1256 DOMSCHKE W. See BLUM AL, 825 DOOLEY JS. See BLAKE JC, 556 DORAN I. See FELLOWS IW. 728 DORIA M. See KESHAVARZIAN A, 786 DORRINGTON L. See STEADMAN C, 845 DOS SANTOS AA. See XAVIER-NETO J, 1006 DOWLING BL. See STUDLEY JGN, 867 DOWNTON J. See WYMAN JB, 639 DOWSETT JF, POLYDOROU AA, VAIRA D, D'ANNA LM, ASHRAF M, CROKER J, SALMON PR, RUSSELL RCG, HATFIELD AR: Needle knife papillotomy, 905 DOWSETT JF. See also JENNINGS PE, 558 DREXHAGE HA. See SELDENRIJK CA, 529 DRUMMOND G. See BERGLUND L, 899 DUBE R, ROOK GAW, STEELE J, BREALEY R, DWEK R, RADEMACHER T, LENNARD-JONES J: Agalactosyl IgG in inflammatory bowel disease: correlation with C-reactive protein, 431 DUEHOLM S. See GJORUP I, 1411 DUNWOODIE WMB. See JONES RH, 401 Duodenal bicarbonate secretion in vivo in the rat, effect of bismuth subcitrate and sucralfate on, 26, (Letter) 958 bile, endoscopically obtained, and gall bladder bile compared, 1407 biopsy specimens, enterocytes isolated from, effect of vasoactive peptide on cyclic adenosine monophosphate production, 1350 folds, loss of, allows diagnosis of unsuspected coeliac disease (Case report), mucosal biopsy specimens, endoscopic, from dyspeptic patients, inflammatory cell densities in, computer linked image analysis, 858 ulcer, age of onset of symptoms in, 854 ulcer and H pylori (Letter), 242 ulcer and low dietary linoleic acid intake, 997 ulcer and refined carbohydrate intake: case-control study, 993 ulcer disease, hypergastrinaemic, gastric enterochromaffin-like cells in, 144 ulcer healing during cimetidine treatment, predictors of, 758 ulcer healing, inhibition of nocturnal acidity is important but not essential for, 397 ulcer, omeprazole v ranitidine in: multicentre trial, 653 ulcer patients, effect of food on H2-receptor blockade in normal subjects and, 148 ulcer patients, Helicobacter associated gastritis in: the influence of various drugs (Letter), 481 ulcer recurrence, acyclovir in prevention of, 151 ulcer resistance to H₂ antagonists and to vagotomy, is antral gastrin important in? 763 ulcer subjects, sufotidine 600 mg bd virtually eliminates 24 hour intragastric acidity in, 291 ulcers treated with colloidal bismuth subcitrate, adjuvant antibiotic therapy

by endoscopic intubation for palliation of, 252, (Letter), 1161

metabolism in animal models, 1403 Endocrine cells containing histamine in the human stomach, 383 See also Enteroendocrine cells Endoprostheses, biliary, clogging of, 913 Endoscopes, fibreoptic, elimination of high titre HIV from, 657, (Letter), 1421 Endoscopic demands in the 90s (Leading article), 125 intubation following laser therapy for palliation of malignant dysphagia, 252, (Letter), 1161 intubation alone in inoperable squamous cell oesophageal cancer, what does radiotherapy add to survival? 750 Nd:YAG laser treatment of rectosigmoid cancer, 812 retrograde cholangiopancreatography, future needs for, 1150 retrograde cholangiopancreatography in pancreatic duct abnormalities in gall stone disease, 1073 sphincterotomy in sphincter of Oddi dysfunction, clinical and scintigraphic assessment of, 231 Endoscopy and computed tomography in the management of alimentary tract lipomas (Case report), 550 of upper gastrointestinal tract, arterial oxygen saturation during, effects of a midazolam/pethidine combination, 270 Endotoxin induced tumour necrosis factor production by monocytes inhibited by lactulose in vitro, 198 Enema of small bowel, in non-responsive coeliac disease, 883 England and Scotland, dyspepsia in, 401 Entamoeba histolytica, Gal/GalNAc adherence lectin of, binding of proteolytically-degraded human colonic mucin glycoproteins to, 890 Enteral nitrogen support in surgical patients, 1277 Enterochromaffin-like cells, gastric, in hypergastrinaemic duodenal ulcer disease, 144 like cells in rat stomach, serum gastrin concentration effects self replication rate of, 274 Enteroendocrine cells, kinetics of, implications for their origin, a study of the cholecystokinin and gastrin subpopulations in the mouse, 406 Enteropathy associated with HIV infection, quantitative histological study of, 317, (Letter), 960 Environmental antigen challenge, evolutionary changes in small intestinal mucosa in response to (Progress report), 111 Eosinophilic gastroenteritis, clinicopathological study, 54 Eosinophils, activated, in coeliac disease (Letter), 583 Epithelial dysplasia in Crohn's disease (Letter), 584 head and neck tumours, mucosal immunodeficiency in smokers and in patients with, 378 HLA class II expression and T cell number in normal and inflamed human gastric mucosa, 647 Epithelium, gut, gamma/delta T cells in (Leading article), 841 Epithelium (ial) See also Gall bladder; Ileal; Oral EPSTEIN O. See CHESTA J, 660; SPITERI MA, 208 in, 999 DWEK R. See DUBE R, 431 Epstein-Barr virus associated oesophageal ulcers in AIDS, 1223 DWIVEDI M. See MISRA SP, 1144 ERIKSEN J. See RUNE SJ, 151 Dyspepsia in England and Scotland, 401 ETANCHAUD F. See FLOURIE B, 684 non-ulcer, and peptic ulcer, H pylori and gastritis in: ethnic differences in Ethanol in pancreatic juice after oral and intravenous administration, 1411 Singapore, 850 luminal, response of rat gastric mucosa to, effect of colloidal bismuth subcitrate, 389 non-ulcer: 3 C-urea breath test in the detection of H pylori and in monitoring ETHERINGTON R. See CLEMENTS D, 1333 the effect of tripotassium dicitrato-bismuthate, 1237 EVANS DF. See PYE G, 1355 non-ulcer, symptoms and gastric histology in, effect of colloidal bismuth EVANS DG. See SMITH JTL, 522 subcitrate (Clinical trial), 476 EVANS DI. See SMITH JTL, 522 Dyspeptic patients, longterm oral cisapride improves inter-digestive antroduodenal motility in, 286 EWEN SWB. See FEATHERSTONE T. 834 patients, mucosal inflammatory cell densities in endoscopic duodenal Extracorporeal shock wave lithotripsy, piezoelectric, and soft tissue injury, 1110 biopsy specimens from, 858 shockwaves, electromagnetically generated, for fragmentation of extra- and Dysphagia, malignant, trial of laser therapy only and laser therapy followed

Dysplasia and carcinoma in ulcerative colitis, diagnosis of, microspectrophotometric DNA analysis, 1266 Extrahepatic portal venous obstruction, sclerotherapy in, 213 and early gastric cancer: British Society of Gastroenterology survey, 115 Faecal and caecal homogenates, hydrogen and methane production compared in, 684 ECG record during changes in oesophageal pH, 127 incontinence and anorectal physiologic function, efficacy of biofeedback EDMOND M. See KATSCHINSKI BD, 993 training in improving, 1395 incontinence, neurogenic, use of the pudendo-anal reflex in, 1051 Eicosanoid profile of healing colon anastomosis and peritoneal macrophages FAIRBURN CG, PEVELER RC: Bulimia nervosa and a stepped care approach to in the rat, 807 EINARSSON K. See BERGLUND L, 899; SAHLIN S, 100 management (Leading article), 1220 ELDER GH. See SEYMOUR DG, 719 FAIRCLOUGH PD. See WATSON AJM, 170

intrahepatic bile duct stones, 222

Famine and malnutrition, diarrhoea of, rat model, 43, 162 FAN ST: Prediction of severity of acute pancreatitis (Letter), 1419 FANTI L. See TESTONI PA, 286 FARTHING MJG: British Digestive Foundation (Letter), 731 See also MADDEN MV, 247; WATSON AJM, 170 Fat incorporated into a liquid test meal, effect on the relation between intragastric distribution and gastric emptying in human volunteers, ingestion of, effect on ileostomy effluent, 435 necrosis, high serum lipase and trypsin activity, and polyarthritis complicating pancreatic carcinoma, (Case report), 953 See also Dietary fat Fatty acids, short chain, dilate isolated human colonic resistance arteries, 1391 FEATHERSTONE T, BAYLISS AP, EWEN SWB, BRUNT PW, DAWSON AA: Obscure anaemia and hepatic dysfunction in Castleman's disease, 834 FEIGHERY C, WEIR D, WHELAN A: Activated eosinophils in coeliac diseaseauthors' reply (Letter), 584 FEIGHERY C. See also CAFFREY C, 663 FELLOWS IW, FREEMAN JG, HOLMES GKT: Crohn's disease in the city of Derby, 1951-85, 1262 FELLOWS IW, LEACH IH, SMITH PG, TOGHILL PJ, DORAN J: Carcinoid tumour of the common bile duct - a novel complication of von Hippel-Lindau syndrome, 728 FENTON TR. See JENKINS HR, 194 FERGUSON A. See BARTON JR, 378; O'MAHONY S, 1341 FERRANDO F. See DALLEGRI F, 184 FERRANDO J. See MIKE N, 883 FEURLE G. See BLUM AL, 825 FEYER E. See VIZI ES, 1046 FEYERABEND C. See SRIVASTAVA ED, 1021 Fibre See Dietary fibre FIELDING IF. See LYONS DI. 838 FIEVET P, SEVESTRE H, BOUDJELAL M, NOEL LH, KEMENY F, FRANCO D, DELAMARRE J, CAPRON JP: Systemic AA amyloidosis induced by liver cell adenoma (Case report), 361 FILIPE MI. See SILVA S, 1097 Fine needle aspiration biopsy, guided by ultrasound, in diagnosis of hepatocellular carcinoma, 1303 needle aspiration cytology of rectal masses, 334 needle biopsies, histological and cytological, guided by ultrasound, of the pancreas, 930 Fish oil diet reduces progression of chronic inflammatory lesions in a rat model of granulomatous colitis, 539 Fistula, pancreatico-pleural, and portal vein thrombosis, caused by pancreatic pseudocyst (Case report), 561 FLORENT C. See FLOURIE B, 684 FLOTH A. See STARITZ M, 222 FLOURIE B, ETANCHAUD F, FLORENT C, PELLIER P, BOUHNIK Y, RAMBAUD J-C: Comparative study of hydrogen and methane production in the human colon using caecal and faecal homogenates, 684 Fluid absorption and the secretory response of rat jejunum to cholera toxin, modulation by dietary fat, 1256 Fluid therapy See Rehydration solutions Food, effect on H2-receptor blockade in normal subjects and in duodenal ulcer, 148 intake and satiety in man, effect of prefeeding lipid on, 158 FORBES A, MURRAY-LYON I: Vancomycin in resistant hepatic encephalopathy (Letter), 1424 : See also CONNOLLY GM, 886 FORGACS IC. See BATE CM, 968 FORMAN A. See TOTTRUP A, 17 FORNARI F. See SBOLLI G, 1303 FOSTER DN. See BATE CM, 968 FOX R. See BILTON D, 236 Fractures See Skeletal fractures FRANCIS ND. See KITCHEN VS, 1223 FRANCO D. See FIEVET P, 361 Free radicals See Oxygen free radicals; Lipid peroxidation FREFMAN JG. See FELLOWS IW, 1262 FREEMAN TC, PLAYFORD RJ, QUINN C, BEARDSHALL K, POULTER L, YOUNG J, CALAM J: Pancreatic secretory trypsin inhibitor in gastrointestinal mucosa and gastric juice, 1318 FRENK H. See HELLSTERN A, 922 FREWIN DB. See ROBERTS-THOMSON IC, 217 FRY L. See CAFFREY C, 663 FRYER A. See SEYMOUR DG, 719 FULLARTON GM, BOYD EJS, CREAN GP, HILDITCH TE, MCCOLL KEL: Effect of simulated intragastric haemorrhage on gastric acid secretion, gastric motility, and serum gastrin, 518

, HILDITCH T, CAMPBELL A, MURRAY WR: Clinical and scintigraphic

assessment of the role of endoscopic sphincterotomy in the treatment of

sphincter of Oddi dysfunction, 231

FUNCH-JENSEN P. See TOTTRUP A, 17

fussek m. See leonhardt u, 934

```
GAIANI S. See BOLONDI L, 1306
Gall bladder bile and endoscopically obtained duodenal bile, comparison of,
    1407
  bladder bile and mucosa, interactions between; relevance to gall stone
    formation (Progress report), 568
  bladder epithelium in gall stone free subjects and patients with gall stones,
    ultrastructural studies of, 100, (Letter), 1423
  bladder mucosa and bile, interactions between; relevance to gall stone
    formation (Case report), 568
  stone disease in non-insulin dependent diabetics, plasma insulin, serum
    lipids and lipoproteins in, case control study, 344, (Letter), 000
  stone disease, pancreatic duct abnormalities in, 1073
  stone dissolution with methyl tert-butyl ether: avoiding complications, 922
  stone formation: interactions between gall bladder bile and mucosa
    (Progress report), 568
  stone patients, hepatic biliary lipid secretion and gall bladder biliary lipid
    mass in, effect of ursodeoxycholic acid, 226
  stone patients, quantitative ultrastructural studies of gall bladder epi-
    thelium in, 100, (Letter), 1423
GALLAGHER ND. See MCDONALD JA, 725
GALLAGHER R. See CAFFREY C, 663
galloway gj. See oberhaensli r, 463
GALMICHE JP. See CLOAREC D, 300
GANDEVIA SC. See WEGMAN EA, 1289
GARGOT D. See CADRANEL JF, 483
GARNER A. See SHORROCK CJ, 26, 958; SMITH JTL, 871
GARTELL P. See HOLMAN RAE, 504
GASBARRINI G. See CORAZZA GR., 1080
GASPAR M. See SCHOENBERG MH, 1138
Gastric acid secretion and changes in urinary acid excretion, relation between,
    862
  acid secretion, gastric motility, and serum gastrin, effect of simulated
    intragastric haemorrhage on, 518
  acidity, gastrin cell number, serum, antral mucosa and luminal gastrin
    concentration in antral atrophic gastritis, 279
  acidity, nocturnal: inhibition is important but not essential for duodenal
    ulcer healing, 397, (Letter), 1088
  adaptive relaxation, abnormal, in patients with gastro-oesophageal reflux,
    500; (Correction), 799
  and oesophageal motor activity in bulimia nervosa, 259
  bicarbonate secretion, human, in vivo, effect of bismuth subcitrate and
    sucralfate on, 26; (Letter), 958
  cancer, early, and dysplasia: interim report of British Society of Gastro-
    enterology survey (Special report), 115
  cancer, gastric emptying in, 767
  cancer, marker for: high grade dysplasia of the gastric mucosa, 977
  dysplasia, development in pernicious anaemia, follow up study, 1105
  emptying in fundal gastritis and gastric cancer, 767
  emptying in relation to intragastric distribution of a liquid test meal
    incorporated with fat, in human volunteers, 1226
  enterochromaffin-like cells in hypergastrinaemic duodenal ulcer disease,
    144
  enterochromaffin-like cells of rat, serum gastrin concentration affects the
    self replication rate of, 274
  histology and symptoms in non-ulcer dyspepsia, effect of colloidal bismuth
    subcitrate on (Clinical trial), 476
  juice and gastrointestinal mucosa, pancreatic secretory trypsin inhibitor in,
    1318
  motility, gastric acid secretion, and serum gastrin, effect of simulated
    intragastric haemorrhage on, 518
  mucosa, high grade dysplasia of: a marker for gastric cancer, 977
  mucosa, human, in chronic gastritis of the antrum, relation of H pylori to,
    1230
  mucosa, human, normal and inflamed, T cell number and epithelial HLA
    class II expression in, 647
  mucosa, of rat, response to presence of luminal ethanol, effect of repeated
    colloidal bismuth subcitrate, 389
  mucosal cells of pig, isolated: glycoprotein and protein synthesis stimulated
    by prostaglandins, 414
  mucosal injury induced by aspirin, abolished by omeprazole, 514
  pH, nocturnal, influence of time of dinner on (Letter), 364
  remnant, from Billroth II resection, myoelectrical activity of, 984
  stump carcinoma: risks and pathogenesis (Leading article), 1217
  tissue, cathepsins D and E in, 1250
  ulcer, age of onset of symptoms in, 854
  ulcer and chronic atrophic gastritis, variants of intestinal metaplasia in evolution of, follow up study, 1097
  ulcer, bleeding, Strongyloides stercoralis associated with (Case report), 1414
  ulcer, omeprazole v ranitidine in, multicentre trial, 653
  ulcer recurrence reduced after suppression by H pylori by cefixime, 973
  ulcer, sucralfate in treatment and prevention of (Clinical trial), 825
  ulcer, symptomatic, comparison of omeprazole and cimetidine in (Letter),
    483
  See also Intragastric
```

Gastrin, antral, and duodenal ulcer resistance to H2 receptor antagonists and

to vagotomy, 763

and cytological fine needle biopsies of the pancreas. Reliability and cell number, serum, antral mucosa and luminal gastrin concentration and reproducibility of diagnoses, 930 gastric acidity in antral atrophic gastritis, 279 Gliadin challenge in coeliac disease: signs of increased leakage over jejunal concentration, serum, affects the self replication rate of enterochromaffin like cells in rat stomach, 274 mucosa, 153 concentration, serum, gastric acid secretion, and gastric motility, effect of Gliadins in food, review of methods for measuring (Progress report), 712 simulated intragastric haemorrhage on, 518 Glucagonoma, increased amino acid clearance and urea synthesis in, (Case effect on liver regeneration after partial hepatectomy in rats, 92 report), 946 inhibitory factor, absence of, in the IgG fraction of serum from patients Glucocorticoids in ileal Crohn's disease, 325 with pernicious anaemia, 871 Glucose and alanine transport, enhanced in cystic fibrosis, 817 See also Enteroendocrine cells; Hypergastrinaemia -6-phosphate dehydrogenase status, normal, severe haemolysis associated Gastritis and H pylori in peptic ulcer and non-ulcer dyspepsia: ethnic with hepatitis A and, 838 Glutathione S-transferases in alcoholic liver disease, 909 differences in Singapore, 850 antral, chronic, relation of H pylori to the human gastric mucosa in, 1230 Gluten sensitive enteropathy, IgA class reticulin antibodies of human subtype associated with Helicobacter in duodenal ulcer: the influence of various in (Letter), 585 drugs (Letter), 481 sensitive enteropathy: lectin binding sites in the jejunal mucosa (Letter), 482 atrophic, antral: gastrin cell number, serum, antral mucosa and luminal See also Coeliac disease GLUUD C. See RUNE SJ, 151 gastrin concentration and gastric acidity, 279 Glycoprotein and protein synthesis in isolated pig gastric mucosal cells is atrophic, chronic, and gastric ulcer, variants of intestinal metaplasia in the evolution of, follow up study, 1097 stimulated by prostaglandins, 412 chronic, active: tightly spiral shaped bacteria as another cause? 139 GOBIO CASALI L. See CUCCHIARA S, 129 Goblet cell carcinoid of the appendix, 322 chronic, asssociated with helicobacter, bacterial adhesion and disease activity in, 134 GOEBEL M. See STARITZ M, 222 fundal, gastric emptying in, 767 GOLDHILL J. See BAXTER P, 817 lymphocytic, chronic (Letter), 840 GOLDIN RD, ROSE DSC: Focal nodular hyperplasia of the liver associated with lymphocytic - prospective study of its relationship with varioliform gastritis, 282 intracranial vascular malformations, 554 -: See also JACYNA MR, 714 Gastroduodenal mucosa in uraemia: endoscopy, histology, and helicobacter-GOLDMAN JM, BENNETT JR: Gastro-oesophageal reflux and asthma; a common association, but of what clinical importance? (Leading article), 1 like organisms, 1093 Gastroduodenal resistance to the flow of liquid in the rat increased by acute GOLDSTEIN R. See LIGUMSKY M, 1416 hypervolaemia, 1006 GOODALL A. See JENKINS D, 426 Gastroenteritis, eosinophilic: clinicopathological study, 54 GOODE HF, KELLEHER J, WALKER BE: Relation between zinc status and hepatic functional reserve in patients with liver disease, 694 Gastroenterologists and nutritional support (Letter), 483 Gastrointestinal endoscopy See Endoscopes; Endoscopic; Endoscopy GOODMAN MJ. See RILEY SA, 179, 959 GOR D. See HANSON PJV, 657 intraluminal pH in normal subjects and those with colorectal adenoma or carcinoma, 1355 GORDON IH. See KESHAVARZIAN A. 786 GORE ME. See JONES A. 938 marker in a study of ileal function, 1120 mucosa and gastric juice, pancreatic secretory trypsin inhibitor in, 1318 GORMSEN M. See RUNE SI, 151 transit of a meal, human migrating myolelectric complex in relation to, GOSSUIN A. See HAOT J, 282 1003 GOUGH KR. See HOLMAN RAE, 504 Gastro-oesophageal reflux, abnormal gastric adaptive relaxation in patients GOUILLOUD S. See CLOAREC D, 300 with, 500 (Correction), 799 GOUMA DJ. See GREVE JW, 198 reflux after healing of oesophagitis, daytime reduction of, and its value as an GOYVAERTS H. See VANDENPLAS Y, 374 GRACE PA, POSTON GJ, WILLIAMSON RCN: Biliary motility, 571 indicator of good response to maintenance, 1025 reflux and asthma (Leading article), 1 GRAHAM DY. See SMITH JTL, 522 reflux in Barrett's oesophagus, evaluation of the magnitude of, 964 GRANOT E. See LIGUMSKY M, 1416 reflux disease in infants: effects of cisapride on oesophageal motility and GRANT HW, PALMER KR, RIERMESMA RR, OLIVER MF: Duodenal ulcer is associated acid reflux, 21 with low dietary linoleic acid intake, 997 reflux disease, reflux patterns and related oesophageal motor activity in, 633 GRAY JG. See SHERLOCK DJ, 1329 GREVE JW, GOUMA DJ, LEEUWEN PAMV, BUURMAN WA: Lactulose inhibits reflux in children, predictive value of oesophageal pH variables, 370 endotoxin induced tumour necrosis factor production by monocytes. An GAUPMANN G. See KISS A, 259 in vitro study, 198 GAUTHIER AP. See BOURLIERE M, 949 GRIFFIN GE. See BATMAN PA. 960 GAVIN IB. See THOMSEN LL, 1230 GRIFFIN M. See SMITH JA, 1350 GAZE MN. See BARTON JR, 378 GRIFFITHS AM. See MACK DR, 243 GAZZARD BG: Practical advice for the gastroenterologist dealing with symp-GRIGG D. See LOIZOU LA, 812 tomatic HIV disease (Leading article), 733 GRIMBLE GK. See DILL S, 1237 : See also connolly gm, 886 GRIPPON P. See CADRANEL JF, 483 GEAR MWL, DENT NA, COLIN-JONES DG, LENNARD-JONES JH, COLLEY JRT: Future GROEN AK. See COENE PPLO, 913 needs for ERCP: incidence of conditions leading to bile duct obstruction GROSSE A. See STARITZ M, 222 and requirements for diagnostic and therapeutic biliary procedures, 1150 GRUTZKAU A, HANSKI C, HAHN H, RIECKEN EO: Involvement of M cells in the GEARTY J. See SITUNAYAKE RD, 1311 bacterial invasion of Peyer's patches: a common mechanism shared by GEMMELL CG. See MCKINLAY AW, 940 Yersinia enterocolitica and other enteroinvasive bacteria, 1011 GERIN P. See CALES P, 1298 GUAN R. See KANG JY, 476, 850 German employees: occupational distribution of inflammatory bowel disease, GUARNER F. See VILASECA J, 539 Guarnieri C. See Gionchetti P, 730 GHILLEBERT G, JANSSENS J, VANTRAPPEN G, NEVENS F, PIESSENS J: Ambulatory 24 GUDMAND-HOYER E. See RUMESSEN JJ, 37 hour intraoesophageal pH and pressure recordings v provocation tests in Guide wire distance marks for oesophageal dilatation, 564 the diagnosis of chest pain of oesophageal origin, 738 GULATI P. See MISRA SP, 1073 GULLO L, PEZZILLI R, VENTRUCCI M, BARBARA L: Caerulein induced plasma amino GHOOS Y. See HIELE M. 175 GIBOUDEAU J. See ZIEGLER F, 1277 acid decrease: a simple, sensitive, and specific test of pancreatic function, 926 GIBSON GR, CUMMINGS JH, MACFARLANE GT, ALLISON C, SEGAL I, VORSTER HH, –: *See also* sarles H**, 629** WALKER ARP: Alternative pathways for hydrogen disposal during fermen-GUMMER P: Sir FA Iones at 80, 490 tation in the human colon, 679 GILMORE IT: Orocaecal transit time in health and disease (Leading article), GUMPEL IM. See BIARNASON I. 77 Gunson BK. See neuberger JM, 1069250 GUPTA I. See MOSLEY IG, 956 GILMOUR H. See PARK K, 322, 840 GUPTA KL. See SAKHUJA V, 831 GILVARRY JM. See LYONS DJ, 838 GUPTA NM. See KOCHHAR R. 334 GIONCHETTI P, GUARNIERI C, CAMPIERI M, BELLUZZI A, BRIGNOLA C, IANNONE P, MIGLIOLI M, BARBARA L: Scavenger effect of sulphasalazine, 5-aminosalicylic acid, and olsalazine (Letter), 730 GUPTA RR. See KAHRILAS PI. 4 GUPTA SK. See KOCHHAR R, 334

GURR MI. See BIRD SP. 1403

oesophagitis (Letter), 481

'Gut', opposition to (Letter), 840

(Letter), 958

GUSLANDI M: Sucralfate, bismuth sucitrate, and gastric HCO, in humans

GUSLANDI M, PASSARETTI S, TITTOBELLO A: Towards a better assessment of reflux

GITTLEN SD, SCHULMAN ES, MADDREY WC: Raised histamine concentrations in

GIORUP I, DUEHOLM S, ANDERSEN B, BURCHARTH F: Ethanol in pancreatic juice

GLENTHOJ A, SEHESTED M, TORP-PEDERSEN S: Ultrasonically guided histological

chronic cholestatic liver disease, 96

GLAUMANN H. See BROOME U, 468

after oral and intravenous administration, 1411

GYDE S: Screening for colorectal cancer in ulcerative colitis: dubious benefits and high costs (Leading article), 1089

H, receptor antagonists, duodenal ulcer resistance to, is antral gastrin important? 763

receptor blockade in normal subjects and in duodenal ulcer, effect of food on, 148

receptor blockade: omeprazole in non-responders (Letter), 584

HABOUBI NY. See MAXTON DG. 351

HACKENBERG K. See BLUM AL, 825

Haematemesis and melaena, centralised approach in the management of, 504 Haeme oxygenase inhibitor Sn-protoporphyrin in primary biliary cirrhosis and idiopathic haemochromatosis, 899

Haemochromatosis and porphyria cutanea tarda: family study, 719

idiopathic, and primary biliary cirrhosis, haeme oxygenase inhibitor Snprotoporphyrin in, 899

Haemolysis, severe, associated with hepatitis A and normal glucose-6phosphate dehydrogenase status, 838

Haemorrhage See Intragastric haemorrhage; Peptic ulcer haemorrhage HAFFEJEE AA. See MANOHAR A, 1130

HAFKENSCHEID JCM. See APARICIO-PAGES MN, 1030; VAN KLAVEREN RJ, 953

HAHN H. See GRUTZKAU A, 1011

HAKANSON R. See LONROTH H, 383; TIELEMANS Y, 274

HALL CN. See NORTHFIELD TC. 1217

HALLAN RI. See WALDRON DI, 1284

HALLETT MB, WILLIAMS JG, HUGHES LE: Scavenger effect of sulphasalazine, 5-aminosalicylic acid, and olsalazine – author's reply (Letter), 730

: See also williams jg, 187

HALLGREN R. See LAVO B, 153 HALTER F. See MERKI HS, 148

намара у. See ніві т, **1371**

HAMBERG O. See RUMESSEN JJ, 37

HAMILTON PW. See COLLINS JSA, 858

HAMMER B. See BLUM AL, 825

HAMPSON SE. See SMITH JTL, 871

HAMPTON FJ, MACFADYEN UM: Reproducibility of oesophageal pH monitoring

HANNAN A, CHESNER I, MERKI HS, MANN S, WALT RP: Use of automatic computerised pump to maintain constant intragastric pH, 1246

HANSEN CP. See HEGNHOJ J, 1076

HANSKI C. See GRUTZKAU A, 1011; STALLMACH A, 70

HANSON PJV, GOR D, JEFFRIES DJ, COLLINS JV: Elimination of high titre HIV from $fibre optic \ endoscopes, \ 657, (\textit{Letter}), \ 1421$

HAOT J, JOURET A, WILLETTE M, GOSSUIN A, MAINGUET P: Lymphocytic gastritis prospective study of its relationship with varioliform gastritis, 282

HAOT J, WEYNAND B, JOURET-MOURIN A: Chronic lymphocytic gastritis (Letter), 840

HAQ G: One minute urease test (Letter), 840

HAQUE MM. See HARRISON DJ, 909

нака а. See ніві т, **1371**

HARDCASTLE J. See BAXTER P, 817

HARDCASTLE JD. See CHARNLEY RM, 368; PYE G, 1355; THOMAS WM, 1294

HARDCASTLE PT. See BAXTER P, 817

HARMON JW. See TAY HP, 11

HARRIS JRW. See KITCHEN VS, 1223

HARRIS PA. See JOHNSON CD, 862

HARRISON DJ, MAY L, HAYES PC, HAQUE MM, HAYES JD: Glutathione S- transferases in alcoholic liver disease, 909

HARTLEY MN, WALKER SJ, MACKIE CR: Abnormal gastric adaptive relaxation in patients with gastrooesophageal reflux, 500 (Correction), 799

HARVEY RF. See BATE CM, 968

HATFIELD ARW: Palliation of malignant obstructive jaundice - surgery or stent? (Leading article), 1339

HATFIELD ARW. See also DOWSETT JF, 905

HAWKEY CJ. See DANESHMEND TK, 514

HAYAKAWA K. See MAROTTA F, 279

HAYASHI K. See TARAO K, 702

HAYES JD. See HARRISON DJ, 909

HAYES PC. See HARRISON DJ, 909

Head and neck tumours, epithelial, mucosal immunodeficiency in smokers and in patients with, 378

HEALD J. See MAXTON DG, 351

HEALY MJ. See WALSHE K, 770

Heat probe thermocoagulation and pure alcohol injection in massive peptic ulcer haemorrhage; trial of, 753

HEATLEY RV. See CRABTREE JE, 1033

HEDDLE R. See WYMAN JB, 639

HEGNHOJ J, HANSEN CP, RANNEM T, SOBIRK H, BJERGLUND ANDERSEN L, ANDERSEN JR: Pancreatic function in Crohn's disease, 1076

HEIM H-K, OESTMANN A, SEWING K-FR: Stimulation of glycoprotein and protein synthesis in isolated pig gastric mucosal cells by prostaglandins, 412

HEINDORFF H. See ALMDAL TP, 946

HELBERT M. See KITCHEN VS, 1223

Helicobacter pylori and duodenal ulcer (Letter), 242

pylori and gastritis in peptic ulcer and non-ulcer dyspepsia: ethnic differences in Singapore, 850

pylori associated chronic gastritis, bacterial adhesion and disease activity in,

pylori associated gastritis in duodenal ulcer: the influence of various drugs (Letter), 481

pylori, bridging the credibility gap (Review article), 940

pylori detected by BC-urea breath test, 1237

pylori eradication in Meckel's diverticula (Letter), 1421

pylori, inappropriate hypergastrinaemia in asymptomatic healthy subjects infected with, 522

pylori infection in Meckel's diverticula (Letter), 243

pylori, Paf-acether synthesis by, 1242

pylori, relation to the human gastric mucosa in chronic gastritis of the antrum, 1230

pylori suppression by cefixime, reduction of gastric ulcer recurrence after,

HELLERS G. See LEIJONMARCK CE, 329; PERSSON P-G, 1377

HELLSTERN A, LEUSCHNER M, FRENK H, DILLINGER HW, CASPARY W, LEUSCHNER U: Gall stone dissolution with methyl tert-butyl ether: how to avoid complications, 922

HELM JF, MASSEY BT, MARTIN CJ, DODDS WJ, HOGAN WJ, ARNDORFER RC: Oesophageal acidification does not increase lower oesophageal sphincter pressure, 266

HELVEN R. See VANDENPLAS Y, 374

HENRIKSSON R. See SAHLIN S, 100

Hepatectomy, partial, in rats, effect of gastrin on liver regeneration after, 92 Hepatic alcohol dehydrogenase activity in alcoholics with and without liver disease, 707

antioxidants and lipid peroxidation in alcoholic liver disease, 1311

biliary lipid secretion and gall bladder biliary lipid mass in gall stone patients: effect of ursodeoxycholic acid, 226

duct, common, villous adenoma of (Case report), 558

dysfunction and obscure anaemia in Castleman's disease (Case report), 834 encephalopathy, chronic, lactulose resistant, vancomycin hydrochloride in, 702, (Letter), 1424

failure and inferior vena caval obstruction in acute Budd-Chiari syndrome: presentation of hereditary protein C deficiency, 949

fibropolycystic disease, adult, presenting as obstructive jaundice (Case report), 1082

See also Liver

Hepatitis, autoimmune chronic active, soluble interleukin 2 receptors in, 690 chronic, portal hypertension in, 339

severe, caused by cyproterone acetate (Case report), 556

Hepatitis A and normal glucose-6-phosphate dehydrogenase status, severe haemolysis associated with (Case report), 838

Hepatocellular carcinoma diagnosed by ultrasound guided fine needle aspiration biopsy, 1303

carcinoma, spontaneous regression in, (Case report), 722

Hepatocellular disease and associated vasodilatation: relation to functional organ failure (Leading article), 365

HESSEY SJ, SPENCER J, WYATT JI, SOBALA G, RATHBONE BJ, AXON ATR, DIXON MF: Bacterial adhesion and disease activity in Helicobacter associated chronic gastritis, 134

HESSOV I. See MORTENSEN FV, 1391

HEWITT D. See BIRD SP. 1403

HEYWORTH MF: Immunological response to Cryptosporidium species (Letter),

HIBI T, OHARA M, TODA K, HARA A, OGATA H, IWAO Y, WATANABE N, WATANABE M, HAMADA Y, KOBAYASHI K, AISO S, TSUCHIYA M: In vitro anticolon antibody production by mucosal or peripheral blood lymphocytes from patients with ulcerative colitis, 1371

HIELE M, GHOOS Y, RUTGEERTS P, VANTRAPPEN G, DE BUYSER K: "CO2 breath test to measure the hydrolysis of various starch formulations in healthy subjects, 175

HIGHAM SE, READ NW: Effect of ingestion of fat on ileostomy effluent, 435

HILDITCH TE. See FULLARTON GM, 231, 518

HINCHLIFFE RFC. See BARDHAN KD, 745

HINSULL SM, BELLAMY D: Effect of repeated colloidal bismuth subcitrate treatment on the response of the rat gastric mucosa to the presence of luminal ethanol, 389

Hirschsprung's disease, ganglionic and aganglionic colon in, cholinergic neuroeffector transmission, 1046

HISHON S. See WANI M, 127

Histamine concentrations raised in chronic cholestatic liver disease, 96 containing cells in the human stomach, 383

release from gut mast cells from patients with inflammatory bowel diseases,

HITMAN GA. See CAFFREY C, 663

HIV disease, symptomatic: practical advice for the gastroenterologist (Leading article), 733

high titre: elimination from fibreoptic endoscopes, 657, (Letter), 1421 infection, enteropathy associated with, 317, (Letter), 960

Type 1, investigation of seemingly pathogen-negative diarrhoea in, 886 HLA KK. See PLAYFORD RI. 359

HLA class II expression by epithelium, and T cell number in normal and inflamed human gastric mucosa, 647

HLA-DP and coeliac disease: family and population studies, 663 HLA-DR antigen expression by ileal epithelial cells in seronegative spondylarthropathy, 545 HO MS. See WEE A, 1093 HOBART J. See KISS A, 259 HOBBS FDR. See JONES RH, 401 HOBBS S. See JONES A, 938 HODGSON HJF. See PLAYFORD RJ, 359 HOGAN WJ. See HELM JF, 266 HOHENFELLNER R. See STARITZ M, 222 HOLLANDER D. See KRUGLIAK P, 417 HOLLIS B. See MORRIS A, 139 HOLMAN RAE, DAVIS M, GOUGH KR, GARTELL P, BRITTON DC, SMITH RB: Value of a centralised approach in the management of haematemesis and melaena: experience in a district general hospital, 504 HOLMFIELD JHM. See PRIMROSE JN, 763 HOOGERBRUGGE-VD, LINDEN N, DE ROOY FWM, JANSEN H, VAN BLANKENSTEIN M: Effect of pravastatin on biliary lipid composition and bile acid synthesis in familial hypercholesterolaemia, 348 HOPKINSON N. See BJARNASON I, 777 HOUGHTON LA, MANGNALL YF, READ NW: Effect of incorporating fat into a liquid test meal on the relation between intragastric distribution and gastric emptying in human volunteers, 1226 HOWARD J. See CHACKO A, 106 HOWAT JMT. See BILTON D, 236 HOWDLE PD, LOSOWSKY MS: Review of methods for measuring gliadins in food (Progress report), 712 HOWE SC. See VAN LEEUWEN DJ, 339 HUESKEN I. See TAY HP. 11 HUGHES LE. See HALLETT MB, 730; WILLIAMS JG, 187 HUIBREGTSE K. See COENE PPLO, 913 HUITFELDT HS. See VALNES K, 647 HULTCRANTZ R. See BERGLUND L, 899; BROOME U, 468 HUNTER AH. See SHORROCK CJ, 26 HURST A. See STARITZ M, 222 HUTTEMANN W. See BLUM AL, 825 Hydrocortisone, effect on an animal model of granulomatous bowel disease, $Hydrogen\ and\ methane\ production\ in\ the\ human\ colon\ compared\ using\ caecal$ and faecal homogenates, 684 breath test and methane producing status, 300 disposal during fermentation in the human colon, alternative pathways for, end-expiratory concentrations, interval sampling of, to quantify carbohydrate malabsorption by means of lactulose standards, 3 Hypercholesterolaemia, familial, effect of pravastatin on biliary lipid composition and bile acid synthesis in, 348 Hypergastrinaemia, inappropriate, in asymptomatic healthy subjects infected with H pylori, 522 Hypergastrinaemic duodenal ulcer disease, gastric enterochromaffin-like cells in, 144 Hypertension. See Portal hypertension Hypervolaemia, acute, increases gastroduodenal resistance to the flow of liquid in the rat, 1006 Hypnotherapy in irritable bowel syndrome, changes in rectal sensitivity after, Hypochlorous acid, neutrophil derived, cytoprotection against: potential mechanism for therapeutic action of 5-amino-salicylic acid in ulcerative Hyponatraemia in cirrhotic patients with ascites, intravenous albumin infusion for, 204 IANNONE P. See GIONCHETTI P, 730 Ig, jejunal, and antigliadin antibody secretion in adult coeliac disease, 1345 IgA and saccharomyces opsonins, selective deficiencies, protracted enteric cryptosporidial infection in, 714 class reticulin antibodies of human subtype in gluten sensitive enteropathy (Letter), 585 IgG, agalactosyl, in inflammatory bowel disease: correlation with C-reactive protein, 431 fraction of serum from patients with pernicious anaemia, absence of gastrin inhibitory factor in, 871 IgM, low molecular weight, in primary biliary cirrhosis, 88 ihse i. See rolny p, 821 iishi н. *See* татѕита м, **767**, **973** ikeda т. *See* такао к, **702** Ileal brake in the rat, lipid substances activating, 1126 Crohn's disease, glucocorticoids in, 325 function, radioactive gastrointestinal marker in, 1120 hypersecretion induced by starvation in rat, 162 epithelial cells, HLA-DR expression by, in seronegative spondylarthropathy, 545 reservoirs, inflammation in: 'pouchitis' (Leading article), 247 Ileoanal reservoir, cancer in: a new late complication? (Case report), 473, (Letter), 1161 Ileostomy effluent, effect of ingestion of fat on, 435

IMBIMBO BP. See DOBRILLA G, 355 Immune modulating agents, effect on an animal model of granulomatous bowel disease, 674 Immunity, intestinal. See Intestinal humoral immunity Immunodeficiency, mucosal, in smokers and in patients with epithelial head and neck tumours, 378 syndromes in children: jejunal bacterial overgrowth and intestinal permeability, 879 Immunoglobulins. See Ig; IgA; IgG; IgM Immunological features of lung lavage cells from primary biliary cirrhosis patients may reflect those seen in pulmonary sarcoidosis, 208 India, peptic ulcer in (Letter), 123 Inferior vena cava, obstruction of, and hepatic failure, in acute Budd-Chiari syndrome: presentation of hereditary protein C deficiency, 949 Inflammatory bowel disease, active: enhanced production of interleukin 1, bowel disease, agalactosyl IgG in: correlation with C-reactive protein, 431 bowel disease, animal model, 1358 bowel disease and tobacco smoke, case control study, 1377 bowel disease, chronic: T-cellular immune reactions against Mycobacterium paratuberculosis, M kansasii, M tuberculosis, M avium, 529 bowel disease: inhibition of cell mediated cytotoxicity by sulphasalazine, 1030 bowel disease, macrophage activity in (Letters), 481, 1086 bowel disease, occupational distribution among German employees, 1037 bowel disease, toxic oxygen metabolite production by circulating phagocytic cells in, 187 bowel diseases: autoimmune disorders? (Leading article), 961 bowel diseases, histamine release from gut mast cells from patients with, bowel diseases. See also Colitis; Crohn's disease; Ulcerative colitis cell densities, mucosal, in endoscopic duodenal biopsy specimens from dyspeptic patients, 858 Insulin, plasma, serum lipids and lipoproteins, in gall stone disease in noninsulin dependent diabetics: case control study, 344 Interleukin 1 in inflammatory bowel disease - enhanced production during active disease, 686 2, plasma concentrations of, and a soluble/shed interleukin-2 receptor in serum of patients with Crohn's disease. Effect of cyclosporin, 795 2 receptor: differential expression on lamina propria T cells and macrophages in the intestinal lesions in Crohn's disease and ulcerative colitis, 2 receptor, soluble, in Crohn's disease, 1033 2 receptors, soluble, in autoimmune chronic active hepatitis, 690 Intestinal adaptation, systemic factors and luminal contents in, 311, (Letter), calcium absorption and disaccharidase activity, effects of an enteric anaerobic bacterial culture supernatant and deoxycholate on, 770 glucose and alanine transport, enhanced in cystic fibrosis, 817 humoral immunity, gut lavage in study of, 1341 lymphoid tissue: family studies in coeliac disease, 32 metaplasia, variants of, in the evolution of chronic atrophic gastritis and gastric ulcer, follow up study, 1097 permeability and jejunal bacterial overgrowth in children with immunodeficiency syndromes, 879 permeability of polyethylene glycol 400 is regulated by endogenous and exogenous prostanoids. Influence of non-steroidal anti-inflammatory drugs, 417 Intestine, rat, morphological effects of Clostridium difficile enterotoxins, 781 small, bypassed, rat, systemic factors are trophic in the absence of luminal contents in, 311, (Letter) 959 small, enema of, in non-responsive coeliac disease, 883 small, in alcohol fed rats, protein synthesis of muscle fractions from, 305 small, mucosa. See Mucosa of small intestine small, rabbit and human, experimental stenosis of, flow-pressure-diameter studies, 875 Intracranial vascular malformations and associated focal nodular hyperplasia of the liver (Case report), 554 Intragastric acidity, 24 hour, in duodenal ulcer subjects is virtually eliminated by sufotidine, 291, (Letter), 1087 haemorrhage, simulated, effect on gastric acid secretion, gastric motility and serum gastrin, 518 pH, use of automatic computerised pump to maintain constant, 1246 Intubation. See Endoscopic intubation Irritable bowel syndrome, anorectal manometry in: differences between diarrhoea and constipation predominant subjects, 458 bowel syndrome, changes in rectal sensitivity after hypnotherapy in, 896 bowel syndrome, diagnostic value of the Manning criteria in, 77 bowel syndrome, longterm treatment with cimetropium bromide (Clinical trial), 355 bowel syndrome, pressure-volume relations of the rectum in, inter- and intraindividual variation, 1062

ISHIKAWA H. See TATSUTA M, 973

tion? (Letter), 1421

ISLAM S. See also MCLEAN AJ, 1086

ISLAM S, MCLEAN AJ: Systemic chemotherapy for Helicobacter pylori eradica-

smoking, 4

drugs, 443

General index ITO T. See TARAO K. 702 IWAO Y. See HIBI T, 1371 JACKSON AA. See MORAN BJ, 454 JACOBS A. See SEYMOUR DG, 719 JACYNA MR: Interactions between gall bladder bile and mucosa; relevance to gall stone formation, 568 JACYNA MR, PARKIN J, GOLDIN R, BARON JH: Protracted enteric cryptosporidial infection in selective immunoglobulin A and saccharomyces opsonin deficiencies, 714, (Letter), 1423 JANIN A. See COLOMBEL JF, 583 JANOWITZ HD: Opposition to 'Gut' (Letter), 840 JANOWITZ P, SWOBODNIK W, WECHSLER JG, ZOLLER A, KUHN K, DITSCHUNEIT H: Comparison of gall bladder bile and endoscopically obtained duodenal bile, 1407 Jansen H. See Hoogerbrugge-vd Linden N, 348 JANSSENS J. See GHILLEBERT G, 738 JASS JR: Colonic mucus and colitis (Letter), 730 Jaundice, cholestatic, chronic liver disease, and tumour necrosis factor (Hypothesis), 938 obstructive, adult hepatic fibropolycystic disease presenting as (Case report), 1082 obstructive, malignant - surgery or stent? (Leading article), 1339 JAYARAJ AP. See TOVEY FI, 123 JEEKEL J. See VAN DER HAM AC, 807 JEFFRIES DJ. See HANSON PJV, 657 JEFFREY GP, SWANSON NR, YARRED LJ, REED WD: Bile duct antibodies crossreacting with blood group antigens in primary sclerosing cholangitis, 698 Jejunal and circulating lymphocyte subsets in children with coeliac disease, effect of diet and age on, 422 bacterial overgrowth and intestinal permeability in children with immunodeficiency syndromes, 879 brush border membrane sodium/proton exchange in association with lethal familial protracted diarrhoea (Case report), 1156 hypersecretion induced by starvation in rat, 43 Ig and antigliadin antibody secretion in adult coeliac disease, 1345 mucosa of patients with gluten sensitive enteropathy, lectin binding sites in (Letter), 482 mucosa, signs of increased leakage over, during gliadin challenge in coeliac disease, 153 Jejunum, rat: modulation of fluid absorption and secretory response to cholera toxin by dietary fat, 1256 rat, normal and secreting, acetate absorption in, 170 JENKINS D, GOODALL A, SCOTT BB: Ulcerative colitis: one disease or two? (Quantitative histological differences between distal and extensive disease), 426 JENKINS HR, FENTON TR, MCINTOSH N, DILLON MJ, MILLA PJ: Development of colonic sodium transport in early childhood and its regulation by aldosterone, 194 JENNINGS PE, RODE J, CORAL A, DOWSETT J, LEES WR: Villous adenoma of the common hepatic duct: the role of ultrasound in management, 558 JENNISCHE E. See TORRES J, 781 JENSSEN TG. See BERNERSEN B, 989 jewell dp. See mahida yr, 1086; mantzaris gj, 668 JOHNSEN R. See BERNERSEN B, 989 JOHNSON CD: Coeliac ganglionectomy (Letter), 1335 JOHNSON CD: Influence of treatment with pancreatic extracts on pancreatic enzyme secretion (Letter), 243 JOHNSON CD, HARRIS PA, WASTELL C: Quantitative relation between gastric acid secretion and changes in urinary acid excretion, 862 JOHNSON M. See SPITERI MA, 208 johnston d. See Lansdown m, 977; primrose jn, 763 JONES A, SELBY PJ, VINER C, HOBBS S, GORE ME, MCELWAIN TJ: Tumour necrosis factor, cholestatic jaundice, and chronic liver disease, 938 JONES RB. See BARDHAN KD, 745 JONES RH, LYDEARD SE, HOBBS FDR, KENKRE JE, WILLIAMS EI, JONES SJ, REPPER JA, CALDOW JL, DUNWOODIE WMB, BOTTOMLEY JM: Dyspepsia in England and Scotland, 401 IONES SI. See IONES RH. 401 JONSSON JR. See ROBERTS-THOMSON IC, 217 JORGENSEN PE. See RASMUSSEN TN, 92 JOURET-MOURIN A. See HAOT J, 282, 840 JUBY LD. See CRABTREE JE, 1033 JULKUNEN R. See LAAKSO M, 344, (Letter), 1422 IUNG M. See BLUM AL. 825 JUNGINGER TH. See STARITZ M, 222 KACHEL G. See BLUM AL. 825 KAESS H. See BLUM AL. 825 KAGNOFF MF: Understanding the molecular basis of coeliac disease (Leading article), 497 KAHRILAS PJ, GUPTA RR: Mechanisms of acid reflux associated with cigarette

KAMATH PS, PHILLIPS SF, O'CONNOR MK, BROWN ML, ZINSMEISTER AR: Colonic

capacitance and transit in man: modulation by luminal contents and

KANG JY: Age of onset of symptoms in duodenal and gastric ulcer, 854 KANG JY, CHAN-WILDE C, WEE A, CHEW R, TI TK: Role of computed tomography and endoscopy in the management of alimentary tract lipomas, 550 , TAY HH, WEE A, GUAN R, MATH MV, YAP I: Effect of colloidal bismuth subcitrate on symptoms and gastric histology in non-ulcer dyspepsia. A double blind placebo controlled study (Clinical trial), 476 , WEE A, MATH MV, GUAN R, TAY HH, YAP I, SUTHERLAND IH: Helicobacter pylori and gastritis in patients with peptic ulcer and non-ulcer dyspepsia: ethnic differences in Singapore, 850 See also WEE A, 1093 KANG WM. See LIN HJ, 753 KANTHA SS: Oesophageal carcinoma in Sri Lanka (Letter), 242 KAPEMBWA MS. See BATMAN PA. 960 KAPPAS A. See BERGLUND L, 899 KARAGIANNIS JA. See MANTZARIS GJ, 668 KARIM QN. See BARON JH, 242 karmeli f. See ligimsky m, 686 KARPATI S, KOSNAI I, TOROK E: IgA class reticulin antibodies of human subtype in gluten sensitive enteropathy (Letter), 585 KARUBE H. See TARAO K, 702 като у. See saku т, 1250 KATSCHINSKI BD, LOGAN RFA, EDMOND M, LANGMAN MJS: Duodenal ulcer and refined carbohydrate intake: a case-control study assessing dietary fibre and refined sugar intake, 993 KATZ KD. See KRUGLIAK P, 417 KAUR U. See CHAWLA YK, 213 KAWIMBE BM. See BINNIE NR, 1051 KAY E. See DARZI A, 1110 KAYE G. See MCCORMICK PA, 204 KEANE C. See O'RIORDAN T, 999 KEANE CT. See WALSHE K, 770 KEANE FRV. See DARZI A. 1110 KEELING PWN. See BATE CM. 968 KELLEHER J. See GOODE HF, 694 KELLER K. See CHADEE K, 890 KELLER KM, WIRTH S, BAUMANN W, SULE D, BOOTH IW: Defective jejunal brush border membrane sodium/proton exchange in association with lethal familial protracted diarrhoea (Case report), 1156 KELLOCK D: Sir FA Jones at 80, 489 KEMENY F. See FIEVET P, 361 KEMPF M. See MERKI HS, 148 KENDALL GPN, THOMPSON DG, DAY SJ, LENNARD-JONES JE: Inter- and intraindividual variation in pressure-volume relations of the rectum in normal subjects and patients with the irritable bowel syndrome, 1062 KENKRE JE. See JONES RH, 401 KENNY GNC. See MURRAY AW, 270 Kerckring's folds. See Duodenal folds KERLIN P. See STEADMAN C, 845 KERR K. See PARK K, 322, 840 KESHAVARZIAN A, MORGAN G, SEDGHI S, GORDON JH, DORIA M: Role of reactive oxygen metabolites in experimental colitis, 786 KESIEZIE V. See KOCHHAR R, 334 KETTLEWELL MGW. See DEHN TCB, 509 книгоо мs, sher-i-каshмir: Peptic ulcer in India (Letter), 123 KING RFGJ. See PRIMROSE JN, 763 KINGHAM JGC: Focal nodular hyperplasia of the liver (Letter), 1335 KISS A, BERGMANN H, ABATZI TH-A, SCHNEIDER C, WIESNAGROTZKI S, HOBART J, STEINER-MITTELBACH G, GAUPMANN G, KUGI A, STACHER-JANOTTA G, STEINRINGER H, STACHER G: Oesophageal and gastric motor activity in patients with bulimia nervosa, 259 KITCHEN VS, HELBERT M, FRANCIS ND, LOGAN RPH, LEWIS FA, BOYLSTON AW, PINCHING AJ, HARRIS JRW: Epstein-Barr virus associated oesophageal ulcers in AIDS, 1223 KNUTSON L. See LAVO B, 153 ковачаѕні к. See ніві т, 1371 KOCHHAR R, RAJWANSHI A, DEV WIG J, GUPTA NM, KESIEZIE V, BHASIN DK, MALIK AK, GUPTA SK, MEHTA SK: Fine needle aspiration cytology of rectal masses, 334 KONTOR E. See VIZI ES, 1046 KONTUREK SJ: Sucralfate, bismuth subcitrate, and gastric HCO in humans (Letter), 958 KOPP R. See SAUTER G. 1041 KORELITZ BI, LAUWERS GY, SOMMERS SC: Rectal mucosal dysplasia in Crohn's disease, 1382 KORT WJ. See VAN DER HAM AC, 807 Kosnai I. See Karpati S, 585 Krasner N. See Barr H, 252, 1161 KRUGLIAK P, HOLLANDER D, LE K, MA T, DADUFALZA VD, KATZ KD: Regulation of polyethylene glycol 400 intestinal permeability by endogenous and exogenous prostanoids. Influence of non-steroidal anti-inflammatory drugs, 417 KRUSE A. See NOLTE H. 791 KRUSE-ANDERSEN S, WALLIN L, MADSEN T: Reflux patterns and related

oesophageal motor activity in gastro-oesophageal reflux disease, 633

KUCK-BIERE U, VON ENGELHARDT W: Factors affecting the potassium concentra-

pig, **64**

tion at the mucosal surface of the proximal and the distal colon of guinea

KUGI A. See KISS A, 259

KUHN K. See JANOWITZ P, 1407

KUHNELT P. See MUNDLOS S, 1324

KUMAR D. See WALDRON DJ, 1284

KUMAR P. See CAFFREY C, 663 LAAKSO M, SUHONEN M, JULKUNEN R, PYORALA K: Plasma insulin, serum lipids and lipoproteins in gall stone disease in non-insulin dependent diabetic subjects: a case-control study, 344, (Letter), 1422 LABROOY JT. See CUMMINS AG, 317, 960 Lactulose and lactitol, effects on protein digestion and metabolism in animal models, 1403 breath hydrogen response to, in healthy subjects: relationship to methane producing status, 300 inhibits endotoxin induced tumour necrosis factor production by monocytes in vitro, 198 standards, interval sampling of end-expiratory hydrogen concentrations to quantify carbohydrate malabsorption by means of, 37 LADEFOGED K, CHRISTENSEN KC: Short bowel syndrome and somatostatin 201-995 (Letter), 124 LAGOPOLOUS M. See PRIMROSE JN, 763 LAMBERT JR. See MCLEAN AJ, 1086 LAMERS CBHW. See APARICIO-PAGES MN, 1030 Lamina propria T cells and macrophages, differential expression of CD25 (interleukin-2 receptor) on, in intestinal lesions in Crohn's disease and ulcerative colitis, 1365 Laminin binding proteins in cell membranes of a human colon adenocarcinoma cell line, identification of, 70 LANGE S. See TORRES J, 781 LANGMAN M: Sir FA Jones at 80, 492 Langman mjs. See katschinski bd, 993 LANSDOWN M, QUIRKE P, DIXON MF, AXON ATR, JOHNSTON D: High grade dysplasia of the gastric mucosa: a marker for gastric carcinoma, 97 IZINI A, NORTHFIELD TC: Hepatic biliary lipid secretion and gall bladder biliary lipid mass in gall stone patients: effect of ursodeoxycholic acid, LANZON-MILLER S. See SMITH JTL, 522 LARSEN S. See RUNE SJ, 151 Laser therapy only and laser therapy followed by endoscopic intubation for the palliation of malignant dysphagia, 252, (Letter), 1161 treatment, endoscopic, of rectosigmoid cancer, 812 LAURITSEN K. See STAERK LAURSEN L, 1271 LAUWERS GY. See KORELITZ BI, 1382 LAVO B, KNUTSON L, LOOF L, ODLIND B, HALLGREN R: Signs of increased leakage over the jejunal mucosa during gliadin challenge of patients with coeliac disease, 153 LAWLER W. See BILTON D, 236 LAWRIE BW. See CLEMENTS D, 1333 LE K. See KRUGLIAK P, 417 LEACH IH. See FELLOWS IW, 728 Lectin binding sites in the jejunal mucosa of patients with gluten sensitive enteropathy (Letter), 482 LEDINGHAM S. See PYE G, 1355 LEE CH. See LIN HJ, 753 LEE FY. See LIN HJ, 753 LEE SD. See LIN HI, 753 LEES WR. See JENNINGS PE, 558 Leeuwen pamv. See greve jw, 198 LEIJONMARCK CE, PERSSON PG, HELLERS G: Factors affecting colectomy rate in ulcerative colitis: an epidemiological study, 329 LENNARD-IONES 1: Sir FA Iones at 80, 491 LENNARD-JONES JE, MELVILLE DM, MORSON BC, RITCHIE JK, WILLIAMS CB: Precancer and cancer in extensive ulcerative colitis: findings among 401 patients over 22 years, 800 : See also dube r, 431; Gear MWL, 1150; KENDALL GPN, 1062 LENTZE MJ. See COTTING J, 918 LEONHARDT U, SEIDENSTICKER F, FUSSEK M, STOCKMANN F, CREUTZFELDT W: Camostate (FOY-305) improves the therapeutic effect of peritoneal lavage on taurocholate induced pancreatitis, 934 LE TREUT YP. See BOURLIERE M, 949 Leucocytes. See Blood leucocytes; See also Monocytes LEUSCHNER M. See HELLSTERN A, 922 LEUSCHNER U. See HELLSTERN A, 922 LEVI AJ. See BJARNASON I, 777; TEAHON K, 1133 LEVIN RJ. See YOUNG A, 43, 162 LEVY E. See ZIEGLER F, 1277 LEVY G. See WAKEFIELD A, 239 LEWIN M. See DENIZOT Y, 1242 LEWIS FA. See KITCHEN VS, 1223 LI BASSI S. See BOLONDI L. 1306 LIGUMSKY M, GRANOT E, BRANSKI D, STANKIEWICZ H, GOLDSTEIN R: Isolated lipase and colipase deficiency in two brothers (Case report), 1416 LIGUMSKY M, SIMON PL, KARMELI F, RACHMILEWITZ D: Role of interleukin 1 in inflammatory bowel disease - enhanced production during active disease,

LIN HJ, LEE FY, KANG WM, TSAI YT, LEE SD, LEE CH: Heat probe thermocoagula-

```
tion and pure alcohol injection in massive peptic ulcer haemorrhage: a
    prospective, randomised controlled trial, 753
LINDE J. See RUNE SJ, 151
LINDSTROM E. See ROLNY P, 821
LINEHAN IP. See STUDLEY JGN, 867
Linoleic acid, low intake and duodenal ulcer, 997
Lipase and colipase deficiency, isolated, in two brothers (Case report), 1416
  and trypsin activity, high, in serum, fat necrosis and polyarthritis
    complicating pancreatic carcinoma, 953
Lipid peroxidation and hepatic antioxidants in alcoholic liver disease, 1311
  prefeeding, effect on food intake and satiety in man, 158
  substances activating the ileal brake in the rat, 1126
  See also Biliary lipid
Lipids and lipoproteins, serum, and plasma insulin in gall stone disease in
    non-insulin dependent diabetics: case control study, 344
Lipodystrophy, partial, in coeliac disease (Case report), 717
Lipomas of the alimentary tract, computed tomography and endoscopy in the
    management of (Case report), 550
Lithotripsy. See Extracorporeal shockwave(s)
Liver cell adenoma inducing systemic AA amyloidosis (Case report), 361
  disease, alcoholic, glutathione S-transferases in, 909
  disease, alcoholic, lipid peroxidation and hepatic anti- oxidants in, 1311
  disease, chronic, cholestatic jaundice and tumour necrosis factor (Hypo-
    thesis), 938
  disease, chronic cholestatic, raised histamine concentrations in, 96
  disease, chronic, osteoporosis and skeletal fractures in, 82
  disease, human: study with P-31 magnetic resonance spectroscopy, 463
  disease, zinc status and hepatic functional reserve in, 694
  enzymes, rises in, and morphine induced pain after cholecystectomy:
    sympathetic activation? 217
  focal nodular hyperplasia associated with intracranial vascular malforma-
    tions (Case report), 554, (Letter), 1335
  function and nutrition in cystic fibrosis patients with longstanding chole-
    stasis, effects of ursodeoxycholic acid on, 918
  histology and follow up of 68 patients with ulcerative colitis and normal
    liver function tests, 468
  nodular regenerative hyperplasia, CREST syndrome and primary biliary
    cirrhosis (Letter), 1335
  nodular regenerative hyperplasia mimicking cirrhosis (Case report), 725
  regeneration after partial hepatectomy in rats, effect of gastrin on, 92
  squamous carcinoma in, 1333
  transplantation, recovery of menstruation and pregnancy after, 337
  transplantation, referral of patients with primary biliary cirrhosis for, 1069
lobo aj. See crabtree je, 1033
lobo-yeo a, mieli-vergani g, mowat ap, vergani d: Soluble interleukin 2
    receptors in autoimmune chronic active hepatitis, 690
LOENING-BAUCKE V: Efficacy of biofeedback training in improving faecal
    incontinence and anorectal physiologic function, 1395
LOGAN RFA. See KATSCHINSKI BD, 993; OLIVER SE, 750
LOGAN RPH. See KITCHEN VS, 1223
LOIZOU LA, GRIGG D, BOULOS PB, BOWN SG: Endoscopic Nd: YAG laser treatment
    of rectosigmoid cancer, 812
LONG RG. See SMITH JA, 1350
LONNROTH I. See TORRES J, 781
LONROTH H, HAKANSON R, LUNDELL L, SUNDLER F: Histamine containing
    endocrine cells in the human stomach, 383
Loof L. See Lavo B, 153
LOSOWSKY MS. See HOWDLE PD, 712; THORNTON JR, 1159
LOVE AHG. See COLLINS JSA, 858
LUCAS S. See RILEY SA, 179
LUNDELL L. See LONROTH H, 383
Lung lavage cells from patients with primary biliary cirrhosis: immunological
    features may reflect those seen in pulmonary sarcoidosis, 208
LUNZER M. See DIAMOND T, 82
LYDEARD SE. See JONES RH, 401
Lymph node hyperplasia. See Castleman's disease
Lymphocyte subsets, jejunal and circulating, in children with coeliac disease,
    effect of diet and age on, 422
Lymphocytes, mucosal, or peripheral blood, from patients with ulcerative
    colitis, in vitro anticolon antibody production by, 1371
Lymphocytes. See also T cells
Lymphocytic gastritis. See under Gastritis
LYONS DJ, GILVARRY JM, FIELDING JF: Severe haemolysis associated with
    hepatitis A and normal glucose-6-phosphate dehydrogenase status, 838
M cells, involvement in the bacterial invasion of Peyer's patches, 1011
MA T. See KRUGLIAK P, 417
MCCAUGHAN GW. See MCDONALD JA, 725
MCCAUGHEY G. See SAGHER FA, 1256
MCCOLL KEL. See FULLARTON GM, 518
MCCORMICK PA, CHRONOS N, BURROUGHS AK, MCINTYRE N, MCLAUGHLIN JE:
     Pancreatic pseudocyst causing portal vein thrombosis and pancreatico-
    pleural fistula (Case report), 561
```

MCCORMICK PA, MISTRY P, KAYE G, BURROUGHS AK, MCINTYRE N: Intravenous albumin infusion is an effective therapy for hyponatraemia in cirrhotic

patients with ascites, 204

MARTINEZ DE HARO LF. See PARRILLA P, 964

MASCART-LEMONE F. See COLOMBEL JF, 1345

masaki t. See suzuki k, 1266

MCDONALD JA, PAINTER DM, GALLAGHER ND, MCCAUGHAN GW: Nodular regenera-MASINI IP. See ZIEGLER F. 1277 tive hyperplasia mimicking cirrhosis of the liver, 725 MASSEY BT. See HELM JF, 266 MACDONALD TT. See CHOY MY, 1365; VINEY J, 841 Mast cells, gut, from patients with inflammatory bowel diseases, histamine MCELWAIN TJ. See JONES A, 938 release from, 791 MACFADYEN UM. See HAMPTON FJ, 1420 MATH MV. See KANG JY, 476, 850 MACFARLANE GT. See GIBSON GR, 679 MATHAI E. See O'RIORDAN T, 999 McGealey, Shirley - Technical Editor, appreciation, 732 MATHAN VI. See ROLSTON DDK, 1115 mcintosh n. See jenkins hr, 194 MATSUMOTO K. See MURAOKA M, 526 MCINTYRE A. See STEADMAN C, 845 MATTHEWS CH. See PLAYFORD RJ, 359 MCINTYRE N. See BLAKE JC, 536; MCCORMICK PA, 204, 561 MAXTON DG: Guide wire distance marks for oesophageal dilatation, 564 MACK DR, GRIFFITHS AM: Acrodermatitis enteropathica with normal zinc MAXTON DG, HEALD J, WHORWELL PJ, HABOUBI NY: Controlled trial of concentrations (Letter), 243 Pyrogastrone and cimetidine in the treatment of reflux oesophagitis MCKENNA D. See O'RIORDAN T, 999 (Clinical trial), 351 MCKENZIE H, MAIN J, PENNINGTON CR, PARRATT D: Antibody to selected strains of -: See also PRIOR A, 458 Saccharomyces cerevisiae (baker's and brewer's yeast) and Candida MAY L. See HARRISON DJ, 909 albicans in Crohn's disease, 536 Meckel's diverticula, H pylori infection in (Letter), 243 MACKIE CR. See HARTLEY MN. 500 мента sk. See kochhar r, 334 MCKIERNAN J. See O'MAHONY D, 717 meijer cjlm. See seldenrijk ca, 529 MCKINLAY AW, UPADHYAY R, GEMMELL CG, RUSSELL RI: Helicobacter pylori: MELA GS, CAPUTO E, VILLA G, SAVARINO V, ZENTILIN P: Intragastric acidity and bridging the credibility gap (Review article), 940 serum gastrin after sufotidine (Letter), 1087 MACKINTOSH P. See CAFFREY C, 663 mela Gs. See also savarino V, 364, 584 MCLAUGHLIN JE. See MCCORMICK PA, 561 Melaena and haematemesis, centralised approach in the management of, 504 MCLEAN AJ, ISLAM S, LAMBERT JR: Anomalous short plasma half life in a patient MELTON LJ. See TALLEY NJ, 77 intoxicated with bismuth subcitrate (Letter), 1086 MELVILLE DM. See LENNARD-JONES JE, 800 MCLEAN AJ. See also ISLAM S, 1421 MELZNER I. See SCHOENBERG MH, 1138 MCLEOD R. See STERN H, 473 MENON GG. See ARMBRECHT U, 1105 MCMAHON RFT, BABBS C, WARNES TW: CREST syndrome . . . (Reply to letter), 484 MENON RS. See DEES A, 1414 -: See also BILTON D, 236 Menstruation, recovery of, and pregnancy after liver transplantation, 337 MCMASTER C. See SAGHER FA, 1256 MERKI HS, HALTER F, WILDER-SMITH C, ALLEMANN P, WITZEL L, KEMPF M, ROEHMEL MCMASTER P. See NEUBERGER JM, 1069 J, WALT RP: Effect of food on H,-receptor blockade in normal subjects and Macrophage activity in inflammatory bowel disease (Letters), 481, 1086 duodenal ulcer patients, 148 Macrophages and T cells from lamina propria, differential expression of MERKI HS. See also HANNAN A. 1246 Mesalazine, disposition of 5-aminosalicylic acid by, in patients with ulcerative CD25 (interleukin-2 receptor) on, in intestinal lesions in Crohn's disease and ulcerative colitis, 1365 colitis, 1271 peritoneal, and healing colon anastomosis in the rat, eicosanoid profile of, Mesenteric arteritis, 956 Methane and hydrogen production in the human colon compared using caecal MCSWIGGAN D. See DILL S, 1237 and faecal homogenates, 684 MADDEN MV, FARTHING MJG, NICHOLLS RJ: Inflammation in ileal reservoirs: producing status in relation to breath hydrogen response to lactulose, 300 'pouchitis' (Leading article), 247 Methotrexate, effect on an animal model of granulomatous bowel disease, 674 MADDREY WC. See GITTLEN SD, 96 Methyl tert-butyl ether for gall stone dissolution: avoiding complications, 922 MADSEN JL, DAHL K: Human migrating myoelectric complex in relation to MEUWISSEN SGM. See SELDENRIJK CA, 529 gastrointestinal transit of a meal, 1003 MEYER ZUM BUSCHENFELDE K and H. See STARITZ M, 222 madsen t. See kruse-andersen s, 633 Midazolam/pethidine combination: effects on arterial oxygen saturation maeda k. See okada m, 758 during upper gastrointestinal endoscopy, 270 magazzu g. See barresi g, 482 MIELANTS H. See CUVELIER C, 545 Magnetic resonance spectroscopy. See Phosphorus-31 MIELI-VERGANI G. See LOBO-YEO A, 690 MAHIDA YR, JEWELL DP: Macrophage activity in inflammatory bowel disease miglioli m. See gionchetti p, 730 (Letter), 1086 MIKAMI Y. See MAROTTA F, 279 MAILLOT A. See BOURLIERE M, 949 MIKE N, UDESHI U, ASQUITH P, FERRANDO J: Small bowel enema in nonmain J. See mckenzie H, 536 responsive coeliac disease, 883 MAINGUET P. See HAOT J, 282 MILDENBERGER P. See STARITZ M, 222 Major histocompatibility complex. See HLA-DP; HLA-DR MILLA PJ. See JENKINS HR, 194 MALAGELADA J-R. See VILASECA J, 539 MILLER ARO. See RAMAGE JK, 123 MALIK AK. See KOCHHAR R. 334 MILLWARD-SADLER GH. See AYRES RCS. 722 MALIK N. See SAKHUJA V, 831 MINE K. See MURAOKA M, 526 Malnutrition and famine, diarrhoea of, investigations using a rat model, 43, MINER PB. See SUN WM, 1056 162 MIREYLEES SE. See SMITH JA, 1350 MANEGOLD BC. See BLUM AL, 825 MISIEWICZ G: Sir FA Jones at 80, 492 mangnall yf. See houghton la, 1226 MISIEWICZ JJ. See PAYNE-JAMES JJ, 1161; DILL S, 1237 MANI V. See RILEY SA, 179, 959 MISRA SP, DWIVEDI M: Pancreaticobilary ductal union, 1144 mann s. See hannan a, 1246 MISRA SP, GULATI P, CHOUDHARY V, ANAND BS: Pancreatic duct abnormalities in Manning criteria in irritable bowel syndrome, diagnostic value of, 77 gall stone disease: an endoscopic retrograde cholangiopancreatographic MANOHAR A, SIMJEE AE, HAFFEJEE AA, PETTENGELL KE: Symptoms and investigastudy, 1073 MISTRY P. See MCCORMICK PA, 204 tive findings in 145 patients with tuberculous peritonitis diagnosed by peritoneoscopy and biopsy over a five year period, 1130 MITCHELL IC, TURK JL: Effect of the immune modulating agents cyclo-MANTZARIS GJ, KARIAGIANNIS JA, PRIDDLE JD, JEWELL DP: Cellular hypersenphosphamide, methotrexate, hydrocortisone, and cyclosporin A on an sitivity to a synthetic dodecapeptide derived from human adenovirus 12 animal model of granulomatous bowel disease, 674 which resembles a sequence of A-gliadin in patients with coeliac disease, MITRA SK. See CHAWLA YK, 213 mizuno t. See tarao k, 702 MANZI G. See CUCCHIARA S, 21 MOHAMED ARE, AL KARAWI MA, YASAWY MI: Schistosomal colonic disease, 439 Molecular basis of coeliac disease (Leading article), 497 MARAN AGD. See BARTON JR, 378 MAROTTA F, HAYAKAWA K, MIKAMI Y, MORELLO P, SUGAI M, MORITA T: MONACO G. See PIGNATA C, 879 Relationship between gastrin cell number, serum, antral mucosa and Monocytes, endotoxin induced tumour necrosis factor production by, luminal gastrin concentration and gastric acidity in antral atrophic inhibited by lactulose in vitro, 198 gastritis, 279 MONSON JRT. See DARZI A, 1110 MARSH MN: Grains of truth: evolutionary changes in small intestinal mucosa in MOORE R. See SAGHER FA, 1256 response to environmental antigen challenge (Progress report), 111 MORAN BJ, JACKSON AA: 15N-urea metabolism in the functioning human colon: MARSH MN, BJARNASON 1, SHAW J, ELLIS A, BAKER R, PETERS TJ: Studies of intestinal lymphoid tissue. XIV- HLA status, mucosal morphology, luminal hydrolysis and mucosal permeability, 454 MORANCHO J. See VIDAL F, 707 permeability and epithelial lymphocyte populations in first degree MOREL P, ALEXANDER-WILLIAMS J, ROHNER A: Relation between flow-pressurerelatives of patients with coeliac disease, 32 diameter studies in experimental stenosis of rabbit and human small MARTIN CJ. See HELM JF, 266 bowel, 875 MARTINEZ M. See VILASEACA J, 539 MORELLO P. See MAROTTA F, 279

MORGAN AG. See DE DOMBAL FT, 115

morgan G. See Keshavarzian A, 786

MORIOKA Y. See SUZUKI K, 1266

MORITA T. See MAROTTA F. 279 NOLTE H, SPJELDNAES N, KRUSE A, WINDELBORG B: Histamine release from gut Morphine induced pain and rises in liver enzymes after cholecystectomy: mast cells from patients with inflammatory bowel diseases, 791 sympathetic activation? 217 NOMOTO T. See TARAO K, 702 MORRAN CG. See MURRAY AW, 270 Non-steroidal anti-inflammatory drug enteropathy, experimental, in rat: MORRIS A, RAFIQ ALI M, THOMSEN L, HOLLIS B: Tightly spiral shaped bacteria in effect of thromboxane synthetase inhibitors, 1358 the human stomach: another cause of active chronic gastritis?, 139 anti-inflammatory drug enteropathy, treatment of, 777 MORRIS JA. See COUPE M, 144 anti-inflammatory drugs, influence on regulation of polyethylene glycol morris p. See Bardhan kd, 745 400 intestinal permeability by endogenous and exogenous prostanoids, MORSIANI E. See CASELLI M, 1423 417 MORSON BC: Sir FA Jones at 80, 490 NORTHFIELD TC, HALL CN: Carcinoma of the gastric stump: risks and pathogenesis (Leading article), 1217 -: See also LENNARD-JONES JE, 800 MORTENSEN FV, NIELSEN H, MULVANY MJ, HESSOV I: Short chain fatty acids dilate NORTHFIELD TC. See also LANZINI A, 226 isolated human colonic resistance arteries, 1391 Notes 124, 244, 364, 485, 732, 840, 960, 1088, 1161, 1338 MORTON CL. See ALBERT V. 311 NSAID. See Non-steroidal anti-inflammatory drug MOSLEY IG, DESAI A, GUPTA I: Mesenteric arteritis. 956 Nutcracker, neurosis, or sampling bias? (Leading article), 736 Motility. See Antroduodenal; Biliary; Oesophageal Nutrition and liver function in cystic fibrosis patients with longstanding Motor activity. See Gastric and oesophageal; Oesophageal cholestasis, effects of ursodeoxycholic acid on, 918 Nutritional support and gastroenterologists (Letter), 483 neuropathy and reduced filling of the rectum in chronic intractable NWOKOLO CU. See SMITH JTL, 522 constipation, 1284 MOUNTFORD RA. See BATE CM, 968 OBERHAENSLI R, RAJAGOPALAN B, GALLOWAY GJ, TAYLOR DJ, RADDA GK: Study of human liver disease with P-31 magnetic resonance spectroscopy, 463 MOWAT AP. See LOBO-YEO A, 690 Mucosa of small intestine: evolutionary changes in response to environmental antigen challenge (Progress report), 111 Occupational distribution of inflammatory bowel disease among German Mucosal immunodeficiency in smokers and in patients with epithelial head employees, 1037 and neck tumours, 378 O'CONNOR HJ. See NEWBOLD KM, 243 or peripheral blood lymphocytes from patients with ulcerative colitis, in O'CONNOR MK. See KAMATH PS, 443 vitro anticolon antibody production by, 1371 ODLIND B. See LAVO B, 153 surface of the proximal and distal colon of guinea pig: factors affecting Oesophageal achalasia. See Achalasia potassium concentration, 64 acidification and lower oesophageal sphincter pressure, 266 Mucosa(1). See also Duodenal; Gall bladder; Gastric; Gastroduodenal; and gastric motor activity in bulimia nervosa, 259 Jejunal; Rectal cancer, squamous cell, inoperable, what does radiotherapy add to survival mullen B. See Stern H, 473 over endoscopic intubation alone? 750 carcinoma in Sri Lanka (Letter), 242 mulvany mj. See mortensen fv, 1391 dilatation, guide wire distance marks for, 564 MULVIHILL C. See TALLEY NJ, 77 injury, peptic, in rabbits, reduced by bismuth subsalicylate, 11 MUNDLOS S, KUHNELT P, ADLER G: Monitoring enzyme replacement treatment motility and acid reflux in infants with gastro-oesophageal reflux disease, in exocrine pancreatic insufficiency using the cholesteryl octanoate breath test, 1324 effects of cisapride on, 21 motor activity and reflux patterns in gastro-oesophageal reflux disease, 633 MURAOKA M, MINE K, MATSUMOTO K, NAKAI Y, NAKAGAWA T: Psychogenic vomiting: the relation between patterns of vomiting and psychiatric origin of chest pain (Leading article), 736 diagnosis, 526 origin of chest pain, establishing, ambulatory 24 hour intraoesophageal pH MURRAY AW, MORRAN CG, KENNY GNC, ANDERSON JR: Arterial oxygen saturation and pressure recordings v provocation tests, 738 during upper gastrointestinal endoscopy: the effects of a midazolam/ pH, ECG record during changes in, 127 pH monitoring, continuous, for 24 hours, in infants and children, pethidine combination, 270 reproducibility of, 374, (Letter), 1420 MURRAY WR. See FULLARTON GM, 231 pH monitoring in children, for 24 hours, value of, 129 MURRAY-LYON I. See FORBES A. 1424 pH variables in children with gastro-oesophageal reflux, predictive value Muscle fractions from small intestine in alcohol fed rats, protein synthesis of, of, 370 rupture, intramural, spontaneous, 845 мито т. See suzuki к, 1266 Mycobacterium paratuberculosis, M kansasii, M tuberculosis, M avium, T-cellusphincter, lower, control of belching by, 639 sphincter, lower, oesophageal acidification does not increase pressure, 266 lar immune reactions against, in patients with chronic inflammatory ulcers associated with Epstein-Barr virus in AIDS, 1223 bowel disease, 529 varices, large, in patients with cirrhosis, incidence of, 1298 Myoelectric complex, migrating, human, in relation to gastrointestinal transit Oesophagitis, erosive, refractory to high dose cimetidine, omeprazole in, 745 of a meal, 1003 gastro-oesophageal reflux after healing, daytime reduction of, and its value Myoelectrical activity of the Billroth II gastric remnant, 984 as an indicator of good response to maintenance, 1025 reflux, comparison of omeprazole and cimetidine, 968 signals, colonic, recorded with intramuscular electrodes in the human rectosigmoid in vivo, concordance between, 1289 reflux: controlled trial of Pyrogastrone and cimetidine (Clinical trial), 351 NAIK KS. See PRIMROSE JN, 763 reflux, erosive, symptomatic, omeprazole v cimetidine, double blind nakagawa t. See muraoka m, 626 comparison of, 509 nakai y. See muraoka m, 526 reflux, towards a better assessment of (Letter), 481 NANI E. See PIGNATA C, 879 Oesophagus, Barrett's, evaluation of the magnitude of gastro-oesophageal reflux in, 964 Natural killer cell activity and sulphasalazine, 1031 OESTMANN A. See HEIM H-K, 412 NDARATHI C. See CHADEE K, 890 NEALE G: B₁, binding proteins, 59 одата н. See ніві т, 1371 OGILVIE AL. See STUDLEY JGN, 867 Neck tumours. See Head and neck tumours Needle biopsies. See Fine needle O'GRADY JG. See CUNDY TF, 337 knife papillotomy: how safe and how effective? 905 онака м. See ніві т, **1371** NEMETH J. See COLOMBEL JF, 1345 окаве н. See saku т, 1250 NERLICH A. See SAUTER G, 1041 OKADA M, YAO T, MAEDA K, YAMAMOTO T, SAIGENJI K, OKADA Y, SAKAMOTO K, TANAKA K: Predictors of duodenal ulcer healing during treatment with NEUBERGER IM, GUNSON BK, BUCKELS JAC, ELIAS E, MCMASTER P: Referral of patients with primary biliary cirrhosis for liver transplantation, 1069 cimetidine, 758 NEUMANN CS: Elimination of high titre HIV from fibreoptic endoscopes OKADA T. See TARAO K, 702 OKADA Y. See OKADA M, 758 (Letter), 1421 Neuropathy. See Motor neuropathy
Neutrophil derived hypochlorous acid, cytoprotection against, potential OKUDA S. See TATSUTA M, 767, 973 OLAISON G, SJODAHL R, TAGESSON C: Glucocorticoid treatment in ileal Crohn's mechanism for therapeutic action of 5-aminosalicylic acid in ulcerative disease: relief of symptoms but not of endoscopically viewed inflammation, 325 colitis, 184 NEVENS F. See GHILLEBERT G, 738 OLAISON G. See also ROLNY P, 821 NEWBOLD KM, O'CONNOR HJ: Helicobacter pylori infection in Meckel's diver-OLESEN M. See RUNE SJ, 151

Nitrogen support, enteral, in surgical patients, 1277

NIVEN MJ. See CAFFREY C, 663

NOEL LH. See FIEVET P, 361

OLLIVIER JM. See ZIEGLER F, 1277

Olsalazine, disposition of 5-aminosalicylic acid by, in patients with ulcerative colitis, 1271

ticula (Letter), 243

NEWMAN P. See CLEMENTS D, 1333 NIEBEL W. See SINGER MV, 1335

NIELSEN H. See MORTENSEN FV, 1391

OLIVER MF. See GRANT HW, 997

OLIVER SE, ROBERTSON CS, LOGAN RFA, SOKAL M, PEARSON JCG, ATKINSON M: What

inoperable squamous cell oesophageal cancer? 750

does radiotherapy add to survival over endoscopic intubation alone in

sulphasalazine, and 5-aminosalicylic acid, scavenger effect of (Letter), 730 PATEL N. See PRIMROSE IN. 1088 OLSEN PS. See RASMUSSEN TN. 92 PATHAK K. See DILL S. 1237 O'MAHONY D, O'MAHONY S, WHELTON MJ, MCKIERNAN J: Partial lipodystrophy in PATRONE F. See DALLEGRI F. 184 PAULLEY JW: Why do patients with ulcerative colitis relapse? (Letters), 959, 1419 coeliac disease, 717 PAYNE-JAMES JJ, MISIEWICZ JJ, SILK D: Palliation of malignant dysphagia (Letter), O'MAHONY S, BARTON JR, CRICHTON S, FERGUSON A: Appraisal of gut lavage in the study of intestinal humoral immunity, 1341 1161 -, SILK DBA: Gastroenterologists and nutritional support (Letter), 483 O'MAHONY S. See also O'MAHONY D, 717 Omeprazole: abolition of aspirin induced gastric mucosal injury in man, 514 -: Use of elemental diets in the treatment of Crohn's disease by and cimetidine in reflux oesophagitis, comparison of, 968 gastroenterologists (Letter), 1424 and cimetidine in symptomatic erosive reflux oesophagitis, double blind See also DILL S, 1237 comparison of, 509 PAZZI P, TREVISANI L, SARTORI S, SIGHINOLFI D, ALVISI V: Diabetes and and cimetidine in symptomatic gastric ulcer, comparison of (Letter), 483 cholithiasis (Letter), 1422 and ranitidine in duodenal or gastric ulcer, comparison of: multicentre PEARSON JCG. See OLIVER SE, 750 PEARSON M. See TEAHON K, 1133 PELLIER P. See FLOURIE B, 684 in erosive oesophagitis refractory to high dose cimetidine and ranitidine, PENA AS. See APARICIO-PAGES MN, 1030; WETERMAN IT, 1387 in H, blocker non-responders (Letter), 584 PENNINGTON CR. See MCKENZIE H, 536 Peptic injury of oesophagus in rabbits reduced by bismuth subsalicylate, 11 O'MOORE RR. See WALSHE K, 770 O'MORAIN C. See BATE CM, 968; O'RIORDAN T, 999 ulcer and non-ulcer dyspepsia, H pylori and gastritis in: ethnic differences OPOLON P. See CADRANEL IF, 483 in Singapore, 850 ulcer haemorrhage, massive, trial of heat probe thermocoagulation and Opsonins, IgA and saccharomyces, protracted enteric cryptosporidial infection in selective deficiencies of (Case report), 714 pure alcohol injection, 753 Oral epithelial cells from aphthous ulcer patients, effector cells responsible for ulcer in India (Letter), 123 ulcer therapy, some possible pathological consequences of (Letter), 243 the in vitro cytotoxicity of blood leucocytes for, 294 ulcer, towards a true prevalence of: Sorreisa gastrointestinal disorder study, O'RIORDAN T, MATHAI E, TOBIN E, MCKENNA D, KEANE C, SWEENEY E, O'MORAIN C 989 Adjuvant antibiotic therapy in duodenal ulcers treated with colloidal Peptide. See Dodecapeptide bismuth subcitrate, 999 Orocaecal transit time in health and disease (Leading article), 250 PEREZ J. See VIDAL F, 707 Peritoneal lavage, therapeutic effect on taurocholate induced pancreatitis ORTIZ A. See PARRILLA P, 964 improved by camostate (FOY-305), 934 Osler's disease is not a telangiectasia but a tumour (Letter), 242 Osmotic pump for delivery of tracer substances or other materials to the colon, macrophages and healing colon anastomosis in the rat, eicosanoid profile of, 106 Osteoporosis and skeletal fractures in chronic liver disease, 82 Peritonitis, tuberculous, diagnosed by peritoneoscopy and biopsy over a five OTTONELLO L. See DALLEGRI F, 184 year period, symptoms and investigative findings in 145 patients, 1130 Pernicious anaemia, absence of a gastrin inhibitory factor in the IgG fraction OUT MMJ. See COENE PPLO, 913 of serum from patients with, 871 Oxygen free radicals in acute pancreatitis of the rat, 1138 anaemia, development of gastric dysplasia in, follow up study, 1105 metabolites, reactive, in experimental colitis, 786 metabolites, toxic: production by circulating phagocytic cells in inflamma-PERSSON P-G, AHLBOM A, HELLERS G: Inflammatory bowel disease and tobacco smoke - a case-control study, 1377 tory bowel disease, 187 saturation. See Arterial oxygen saturation -. See LEIJONMARCK CE, 329 PETER P. See BLUM AL. 825 PETERS TJ. See BANERJEE AK, 1358; MARSH MN, 32; PREEDY VR, 305 PACE F, SANGALETTI O, BIANCHI PORRO G: Daytime reduction of gastrooesophageal reflux after healing of oesophagitis and its value as an PETERSEN HD. See RUNE SI, 151 Pethidine. See Midazolam/pethidine indicator of favourable response to maintenance treatment, 1025 PETTENGELL KE. See MANOHAR A, 1130 Paf-acether synthesis in H pylori, 1242 PEVELER RC. See FAIRBURN CG, 1220 Pain, morphine induced, and rises in liver enzymes after cholecystectomy: Peyer's patches, involvement of M cells in the bacterial invasion of, 1011 sympathetic activation? 217 PEZZILLI R. See GULLO L. 926 PAINTER DM. See MCDONALD JA, 725 PFEIFFER A. See SAUTER G, 1041 PALMER KR. See GRANT HW, 997; WILLIAMS AJK, 1082 Pancreas, ultrasonically guided histological and cytological fine needle PFLEIDERER T. See BLUM AL, 825 ${\bf Ph}\, See\, {\bf Gastric; Gastrointestinal\, intraluminal; Intragastric; Oesophageal}$ biopsies of; reliability and reproducibility of diagnoses, 930 Pancreatic cancer (Leading article), 494 Phagocytic cells, circulating, in inflammatory bowel disease, toxic oxygen carcinoma with polyarthritis, fat necrosis, and high serum lipase and metabolite production by, 187 trypsin activity, 953 PHILLIPS S: Sir FA Jones at 80, 491 PHILLIPS SF. See KAMATH PS, 443; TALLEY NJ, 54, 77 duct abnormalities in gall stone disease: ERCP study, 1073 enzyme secretion, influence of treatment with pancreatic extracts on Phosphorus-31 magnetic resonance spectroscopy in a study of human liver (Letter), 243 disease, 463 PIAZZI L. See DOBRILLA G, 355 function in Crohn's disease, 1076 function test: caerulein induced plasma amino acid decrease, 926 PIESSENS J. See GHILLEBERT G, 738 insufficiency, exocrine, monitoring enzyme replacement treatment in, PIGNATA C, BUDILLON G, MONACO G, NANI E, CUOMO R, PARRILLI G, CICCIMARRA F: Jejunal bacterial overgrowth and intestinal permeability in children with using cholesteryl octanoate breath test, 1324 immunodeficiency syndromes, 879 juice, ethanol in, after oral and intravenous administration, 1411 PINCHING AJ. See KITCHEN VS, 1223 pseudocyst causing portal vein thrombosis and pancreatico-pleural fistula PINHO A. See SILVA S, 1097 (Case report), 561 secretory trypsin inhibitor in gastrointestinal mucosa and gastric juice, PINTO B. See VIDAL F. 707 PLAS J: Randomised, double blind comparison of omeprazole and cimetidine 1318 in the treatment of symptomatic gastric ulcer (Letter), 483 Pancreaticobiliary ductal union, 1144 VAN WILDER PH: Ranitidine nocte v ranitidine mane and nocte (Letter), Pancreatitis, acute, prediction of severity of (Letter), 1419 242 after sphincter of Oddi manometry, 821 chronic, pathogenesis of (Leading article), 629 Platelet aggregating factor. See Paf PLAYFORD RJ, MATTHEWS CH, CAMPBELL MJ, DELVES HT, HLA KK, HODGSON HJF, induced by taurocholate, therapeutic effect of peritoneal lavage on, improved by camostate (FOY-305), 934 CALAM J: Bismuth induced encephalopathy caused by tripotassium PAONE FM. See CUCCHIARA S, 21, 129 dicitrato bismuthate in a patient with chronic renal failure (Case report), PAPACHRYSOSTOMOU M. See BINNIE NR, 1051 359

Papillotomy, needle knife, 905

PARENTE F. See BIANCHI PORRO G, 397

appendix, 322, (Letter), 840 PARKIN J. See JACYNA MR, 714

PARRATT D. See MCKENZIE H, 536

Paracetamol overdose, severe thrombocytopenia after (Case report), 1159

PARK K, BLESSING K, KERR K, CHETTY U, GILMOUR H: Goblet cell carcinoid of the

PARRILLA P, ORTIZ A, MARTINEZ DE HARO LF, AGUAYO JL, RAMIREZ P: Evaluation of

the magnitude of gastro-oesophageal reflux in Barrett's oesophagus, 964
PARRILLI G. See PIGNATA C, 879
PASCAL JP. See CALES P, 1298
PASSARETTI S. See GUSLANDI M, 481; TESTONI PA, 286

drugs, 417
Porphyria cutanea tarda and haemochromatosis: a family study, 719
Portal hypertension in chronic hepatitis: relationship to morphological changes, 339

PLAYFORD RJ. See also FREEMAN TC, 1318

POLYDOROU AA. See DOWSETT JF, 905

complicating pancreatic carcinoma, 953

Polyarthritis, fat necrosis, and high serum lipase and trypsin activity

Polyethylene glycol 400 intestinal permeability is regulated by endogenous

and exogenous prostanoids. Influence of non-steroidal anti-inflammatory

POL B. See BOURLIERE M, 949

POLAK JM. See COUPE M, 144

RAMBOW A. See STARITZ M, 222 vein thrombosis and pancreatico-pleural fistula caused by pancreatic RAMESH GN. See CHAWLA YK. 213 pseudocyst (Case report), 561 venous flow, effect of secretin on, 1306 RAMIREZ P. See PARILLA P, 964 venous obstruction, extrahepatic, sclerotherapy in, 213 Ranitidine and high dose cimetidine, omeprazole in erosive oesophagitis POSEN S. See DIAMOND T, 82 refractory to, 745 Postganglionic nerve stimulation in oesophageal achalasia: in vitro study, 17 and omeprazole in duodenal or gastric ulcer, comparison of: multicentre trial, 653 POSTON GJ. See GRACE PA, 571 Postvagotomy diarrhoea: is there a place for surgical management? (Leading nocte v mane and nocte (Letter), 242 RANNEM T. See HEGNHOJ J, 1076 article), 245 Potassium concentration at the mucosal surface of the proximal and distal RAO KJM, BLAKE H, THEODOSSI A: Use of a modified angioplasty balloon catheter in the dilatation of tight biliary strictures, 565 colon of guinea pig, factors affecting, 64 RAOUF A. See BARR H, 252, 1161 Pouch, development of cancer in (Case report), 473 RASCHER W. See TULASSAY T, 1419 Pouchitis: inflammation in ileal reservoirs (Leading article), 247 POULSEN SS. See RASMUSSEN TN. 92 RASENACK U. See BLUM AL, 825 POULTER L. See FREEMAN TC, 1318 RASK-MADSEN J. See STAERK LAURSEN L, 1271 POULTER LW. See SPITERI MA, 208 RASMUSSEN TN, JORGENSEN PE, ALMDAL T, POULSEN SS, OLSEN PS: Effect of gastrin POUNDER RE. See SMITH JTL, 291, 522, 871, 1087 on liver regeneration after partial hepatectomy in rats, 92 RATCLIFFE B. See BIRD SP. 1403 POYNTER D: Some possible pathological consequences of peptic ulcer therapy RATHBONE BJ. See HESSEY SJ, 134 (Letter), 243 Pravastatin: effect on biliary lipid composition and bile acid synthesis in RAUNDAHL U. See TOTTRUP A, 17 familial hypercholesterolaemia, 348 RAVAUD A. See CALES P, 1298 read nw. See brown nj, 1126; brown sr, 450; higham se, 435; houghton la, PREEDY VR, PETERS TJ: Protein synthesis of muscle fractions from the small 1226; SEPPLE CP, 158; SUN WM, 1056 intestine in alcohol fed rats, 305 Rectal blood flow, effect of ulcerative colitis and smoking on, 1021 Pregnancy after liver transplantation, 337 masses, fine needle aspiration cytology of, 334 PRICE AB. See DE DOMBAL FT, 115 mucosal dysplasia in Crohn's disease, 1382 PRICE YE. See THOMPSON EM, 406 PRIDDLE JD. See MANTZARIS GJ, 668 sensation and anal function in normal subjects and in patients with faecal incontinence, 1056 PRIMROSE JN, NAIK KS, BLACKETT RL, KING RFG, HOLMFIELD JHM, LAGOPOLOUS M, sensitivity in irritable bowel syndrome, changes in, after hypnotherapy, JOHNSTON D: Is antral gastrin important in the resistance of duodenal ulcers to H, receptor antagonists or in recurrent ulceration after highly selective vagotomy? 763 Rectosigmoid cancer, endoscopic Nd:YAG laser treatment of, 812 PRIMROSE JN, PATEL N, ROGERS MR: Inhibition of nocturnal acidity (Letter), 1088 Rectum, pressure-volume relations in irritable bowel syndrome, inter- and PRIOR A, COLGAN SM, WHORWELL PJ: Changes in rectal sensitivity after intraindividual variation, 1062 hypnotherapy in patients with irritable bowel syndrome, 896 reduced filling of, and motor neuropathy, in chronic intractable constipation, 1284 -, MAXTON DG, WHORWELL PJ: Anorectal manometry in irritable bowel Rectum. See also Colorectal cancer syndrome: differences between diarrhoea and constipation predominant REED WD. See IEFFREY GP. 698 subjects, 458 Procoagulant activity in gastroenterology (Progress report), 239 REES H. See COUPE M, 144 Prostaglandins stimulating glycoprotein and protein synthesis in isolated pig REES WDW. See SHORROCK CJ, 26, 958 Reflux. See Acid; Gastro-oesophageal; Oesophagitis gastric mucosal cells, 412 Prostanoids, endogenous and exogenous, in the regulation of polyethylene Rehydration solutions, oral, using human whole gut perfusion, efficacy of, glycol 400 intestinal permeability. Influence of non-steroidal anti-1115 REICHEN J. See COTTING J, 918 inflammatory drugs, 417 Renal failure, chronic, bismuth induced encephalopathy caused by tri-Protein and glycoprotein synthesis in isolated pig gastric mucosal cells potassium dicitrato bismuthate in a patient with (Case report), 359 stimulated by prostaglandins, 412 C deficiency, hereditary, presenting as acute Budd-Chiari syndrome with RENNIE MJ. See DILL S, 1237 hepatic failure and inferior vana caval obstruction, 949 REPPER JA. See JONES RH, 401 digestion and metabolism in animal models, effects of lactulose and lactitol Reticulin antibodies, IgA class, of human subtype, in gluten sensitive enteropathy (Letter), 585 on, 1403 RHODES J. See CLEMENTS D, 1333; SRIVASTAVA ED, 1021 40 kDa. See Colonic extract synthesis of muscle fractions from small intestine in alcohol fed rats, 305 RHODES JM: Colonic mucus and colitis - author's reply (Letter), 730 RIAD MA. See BARTON JR, 378 Proteins, binding B_{12} , 59 RICHARDSON A. See BROWN NI. 1126 binding to laminin in cell membranes of a human colon adenocarcinoma cell RICHARDSON PDI. See BATE CM, 968 line, identification of, 70 Sn-Protoporphyrin, a haeme oxygenase inhibitor, in patients with primary RICHART C. See VIDAL F, 707 RIECKEN EO. See GRUTZKAU A, 1011; STALLMACH A, 70 biliary cirrhosis and idiopathic haemochromatosis, 899 RIERMESMA RR. See GRANT HW, 997 PROUSE P. See BJARNASON I, 777 RILEY SA, MANI V, GOODMAN MJ, LUCAS S: Why do patients with ulcerative colitis Pruritus in chronic cholestatic liver disease: raised histamine concentrations, relapse? 179 (Letter), 959 ritchie jk. See lennard-jones je, 800 Psychogenic vomiting, 526 Pudendo-anal reflex, use of, in neurogenic faecal incontinence, 1051 ROBERTS-THOMSON IC, JONSSON JR, FREWIN DB, COATES GC: Sympathetic activation: a mechanism for morphine induced pain and rises in liver enzymes Pulmonary sarcoidosis and immunological features of lung lavage cells from after cholecystectomy? 217 primary biliary cirrhosis patients, 208 ROBERTS-THOMSON PJ, SHEPHERD K: Low molecular weight IgM in primary PYE G, EVANS DF, LEDINGHAM S, HARDCASTLE JD: Gastrointestinal intraluminal pH in normal subjects and those with colorectal adenoma or carcinoma, biliary cirrhosis, 88 ROBERTSON CS. See OLIVER SE, 750 1355 Pyorala K. See laakso m, 344 ROBERTSON DAF. See AYRES RCS, 722 Pyrogastrone and cimetidine in reflex oesophagitis, controlled trial of (Clinical ROBINSON D. See STEADMAN C, 845 trial), 351 ROBINSON P. See ALBERT V, 311 ROCHE J. See DIAMOND T, 82 RODE J. See ARMBRECHT U, 1105; JENNINGS PE, 558 OUINN C. See FREEMAN TC, 1318 RODRIGUEZ R. See VILASECA J, 539 QUIRKE P. See LANSDOWN M, 977 ROEHMEL J. See MERKI HS, 148 ROELS H. See CUVELIER C, 545 RACHMILEWITZ D. See LIGUMSKY M, 686 ROGERS MR. See PRIMROSE JN, 1088 RADDA GK. See OBERHAENSLI R, 463 ROHNER A. See MOREL P, 875 RADEMACHER T. See DUBE R. 431 Radioactive gastrointestinal marker in a study of ileal function, 1120 ROHNER HG. See BLUM AL, 825 Radiotherapy: what does it add to survival over endoscopic intubation alone in ROLA FH. See XAVIER-NETO J, 1006 inoperable squamous cell cancer? 750 ROLNY P, ANDERBERG B, IHSE I, LINDSTROM E, OLAISON G, ARVILL A: Pancreatitis after sphincter of Oddi manometry, 821 RAFIO ALI M. See MORRIS A. 139 ROLSTON DDK, ZINZUVADIA SN, MATHAN VI: Evaluation of the efficacy of oral rajagopalan B. See oberhaensli R, 463 rehydration solutions using human whole gut perfusion, 1115 rajwanshi a. See kochhar r, 334

—. See also watson ajm, 170 ronchi g. See vecchi m, 482

ROOK GAW. See DUBE R, 431

ROSE DSC. See GOLDIN RD, 554

RAMAGE JK, MILLER ARO, CLARKE PD: Acute diarrhoea in expatriates in

RAMBAUD JC: Short bowel syndrome and somatostatin 201-995 (Letter), 124

. See also colombel jf, 1345; DENIZOT Y, 1242; FLOURIE B, 684

Bangladesh (Letter), 123

ROWLAND R. See CUMMINS AG, 317 RUMESSEN JJ, HAMBERG O, GUDMAND-HOYER E: Interval sampling of endexpiratory hydrogen concentrations to quantify carbohydrate malabsorption by means of lactulose standards, 37 RUMSEY RDE. See BROWN NJ, 1126 Rune SJ, Linde J, Bonnevie O, Petersen Hd, Bendtsen F, Wandall JH, Gluud C, ERIKSEN J, SKOVBJERG H, VILIEN M, OLESEN M, LARSEN S, SCHLICHTING P, GORMSEN M, WULFF HR, VADSTRUP S, VESTERGAARD BF: Acyclovir in the prevention of duodenal ulcer recurrence, 151 RUSSELL MAH. See SRIVASTAVA ED, 1021 RUSSELL RCG. See DOWSETT JF, 905 RUSSELL RI. See MCKINLAY AW, 940 RUTGEERTS P. See HIELE M, 175 Saccharomyces and IgA opsonin deficiencies, selective, protracted enteric cryptosporidial infection in (Case report), 714 Saccharomyces cerevisiae (baker's and brewer's yeast), selected strains of, antibody to, in Crohn's disease, 536 SACHS JA. See CAFFREY C, 663 SACRE L. See VANDENPLAS Y, 374 SAGHER FA. DODGE IA, MOORE R, MCMASTER C, MCCAUGHEY G: Modulation of fluid absorption and the secretory response of rat jejunum to cholera toxin by dietary fat, 1256 SAHLIN S, AHLBERG J, EINARSSON K, HENRIKSSON R, DANIELSSON A: Quantitative ultrastructural studies of gall bladder epithelium in gall stone free subjects and patients with gall stones, 100 saigenji K. See okada m, 758 SAINI N. See TAY HP, 11 sakai h. See saku t, 1250 sakamoto K. See okada m, 758 SAKHUJA V, GUPTA KL, BHASIN DK, MALIK N, CHUGH KS: Takayasu's arteritis associated with idiopathic ulcerative colitis, 831 saku t, sakai h, tsuda n, okabe h, kato y, yamamoto k: Cathepsins \boldsymbol{D} and \boldsymbol{E} in normal, metaplastic, dysplastic, and carcinomatous gastric tissue: an immunohistochemical study, 1250 SAKURAI A. See TARAO K, 702 SALAS A. See VILASECA J, 539 SALIM B. See CLOAREC D, 300 salmon pr. See dowsett jf, 905 SANGALETTI O. See BIANCHI PORRO G, 397; PACE F, 1025 SANWALD R. See BLUM AL, 825 Sarcoidosis. See Pulmonary sarcoidosis SARLES H, BERNARD JP, GULLO L: Pathogenesis of chronic pancreatitis (Leading article), 629 SARTORI S. See PAZZI P, 1422 SAUTER G, NERLICH A, SPENGLER U, KOPP R, PFEIFFER A: Low diacylglycerol values in colonic adenomas and colorectal cancer, 1041 SAVARINO V, MELA GS, CELLE G: Influence of time of dinner on nocturnal gastric pH (Letter), 364 SAVARINO V, MELA G, SUMBERAZ A, CELLE G: Omeprazole in H2 blocker nonresponders (Letter), 584 SAVARINO V. See also MELA GS, 1087 savilahti e. See verkasalo ma, 422 SAWYERR AM. See BLAKE JC, 556 SBOLLI G, FORNARI F, CIVARDI G, DI STASI M, CAVANNA L, BUSCARINI E, BUSCARINI L: Role of ultrasound guided fine needle aspiration biopsy in the diagnosis of hepatocellular carcinoma, 1303 SCHAAP HM, SMOUT AJPM, AKKERMANS LMA: Myoelectrical activity of the Billroth II gastric remnant, 984 scheuer pj. See blake jc, 556; van leeuwen dj, 339 Schistosomal colonic disease, 439 SCHLICHTING P. See RUNE SI, 151 SCHNEIDER C. See KISS A, 259 SCHOENBERG MH, BUCHLER M, GASPAR M, STINNER A, YOUNES M, MELZNER I, BULTMANN B, BEGER HG: Oxygen free radicals in acute pancreatitis of the rat, 1138 SCHULMAN ES. See GITTLEN SD, 96 SCHUPPAN D. See STALLMACH A, 70 SCHWEITZER EJ. See TAY HP, 11 Scintigraphic assessment of endoscopic sphincterotomy in sphincter of Oddi dysfunction, 231 Sclerotherapy in extrahepatic portal venous obstruction, 213 Scotland and England, dyspepsia in, 401 SCOTT B: Endoscopic demands in the 90's (Leading article), 125 SCOTT BB. See JENKINS D, 426 SCRIMGEOUR CM. See DILL S, 1237 Secretin, effect on portal venous flow, 1306 SEDGHI S. See KESHAVARZIAN A, 786 SEGAL I. See GIBSON GR, 679 SEHESTED M. See GLENTHOJ A, 930 SEIDENSTICKER F. See LEONHARDT U, 934 SELBY PJ. See JONES A, 938 SELDENRIJK CA, DREXHAGE HA, MEUWISSEN SGM, MEIJER CJLM: T-cellular immune reactions (in macrophage inhibition factor assay) against Mycobacterium

paratuberculosis, M kansasii, M tuberculosis, M avium in patients with

chronic inflammatory bowel disease, 529

SEPPLE CP, READ NW: Effect of prefeeding lipid on food intake and satiety in man, 158 SEVESTRE H. See FIEVET P. 361 SEWING K-FR. See HEIM H-K. 412 SEYMOUR DG, ELDER GH, FRYER A, JACOBS A, WILLIAMS GT: Porphyria cutanea tarda and haemochromatosis: a family study, 719 SHAH HS. See TAKAHASI F. 1016 SHAW I. See MARSH MN, 32 SHEARMAN DIC. See CUMMINS AG, 317, 960 SHEPHERD HA. See DEHN TCB, 509 SHEPHERD K. See ROBERTS-THOMSON PJ, 88 SHER-I-KASHMIR. See KHUROO MS, 123 SHERLOCK DJ, SUAREZ V, GRAY JG: Stomal adenocarcinoma in Crohn's disease (Case report), 1329 SHERLOCK S: Vasodilatation associated with hepatocellular disease: relation to functional organ failure (Leading article), 365 See also spiteri ma, 208; van Leeuwen dj, 339 Shields, Robert, short biography of, 1085 SHINDO K. See TARAO K, 702 Shockwaves. See Extracorporeal shockwave (s) SHORROCK CJ, GARNER A, HUNTER AH, CRAMPTON JR, REES WDW: Effect of bismuth subcitrate and sucralfate on rat duodenal and human gastric bicarbonate secretion in vivo, 26, (Letter), 958Short bowel syndrome and somatostatin 201-995 (Letter), 124 SHORTER RG. See TALLEY NJ, 54 SIGHINOLFI D. See PAZZI P, 1422 SILK DBA. SEE PAYNE-JAMES JJ, 483, 1161, 1424 SILVA S, FILIPE MI, PINHO A: Variants of intestinal metaplasia in the evolution of chronic atrophic gastritis and gastric ulcer. A follow up study, 1097 SIMJEE AE. See MANOHAR A, 1130 SIMON PL. See LIGUMSKY M, 686 Singapore: H pylori and gastritis in peptic ulcer and non-ulcer dyspepsia, 850 SINGER MV, NIEBEL W, BECKER S: Coeliac ganglionectomy (Letter), 1335 SITUNAYAKE RD, CRUMP BJ, THURNHAM DI, DAVIES JA, GEARTY J, DAVIS M: Lipid peroxidation and hepatic antioxidants in alcoholic liver disease, 1311 SIODAHL R. See OLAISON G. 326 Skeletal fractures and osteoporosis in chronic liver disease, 82 SKOVBJERG H. See RUNE SJ, 151 SLOAN JM. See COLLINS JSA, 858 SMETHURST P. See BJARNASON I, 777 SMITH AN. See BINNIE NR, 1051 SMITH CL. See AYRES RCS, 722 SMITH JA, GRIFFIN M, MIREYLEES SE, LONG RG: Effect of vasoactive intestinal peptide on cyclic adenosine monophosphate production in enterocytes isolated from human duodenal biopsy specimens, 1350 SMITH JAR: Goblet cell carcinoid of the appendix (Letter), 840 SMITH JTL, GARNER A, HAMPSON SE, POUNDER RE: Absence of a gastrin inhibitory factor in the IgG fraction of serum from patients with pernicious anaemia, 871 SMITH JTL, POUNDER RE: Sufotidine 600mg bd virtually eliminates 24 hour intragastric acidity in duodenal ulcer subjects, 291, (Letter), 1087 SMITH JTL, POUNDER RE, NWOKOLO CU, LANZON-MILLER S, EVANS DG, GRAHAM DY, EVANS DJ: Inappropriate hypergastrinaemia in asymptomatic healthy subjects infected with Helicobacter pylori, 522 SMITH PG. See FELLOWS IW, 728 SMITH RB. See HOLMAN RAE, 504 SMITH T, BJARNASON I: Experience with a gastrointestinal marker (51 CrCl3) in a combined study of ileal function using 75SeHCAT and 58CoB₁₂ measured by whole body counting, 1120 Smokers and patients with epithelial head and neck tumours, mucosal immunodeficiency in, 378 Smoking and acid reflux, 4 and ulcerative colitis, effect on rectal blood flow, 1021; See also Tobacco smoke SMOUT AJPM. See SCHAAP HM, 984 SMS 201-995. See Somatostatin analogue SNOOK J: Are the inflammatory bowel diseases autoimmune disorders? (Leading article), 961 SOBALA G. See HESSEY SJ, 134 SOBHANI I. See DENIZOT Y, 1242 Sobirk H. See Hegnhoj J, 1076Sodium/proton exchange, defective, in jejunal brush border membrane, in association with lethal familial protracted diarrhoea, 1156 transport, colonic, development in early childhood and regulation by aldosterone, 194 SOFTLEY A. See DE DOMBAL FT, 115 SOKAL M. See OLIVER SE, 750 Somatostatin analogue SMS 201-995 and short bowel syndrome (Letter), 124 SOMMERS SC. See KORELITZ BI, 1382 SONNENBERG A: Occupational distribution of inflammatory bowel disease among German employees, 1037 Sorreisa gastrointestinal disorder study, 989 Spectroscopy. See Phosphorus-31 SPEEKENBRINK ABJ. See WALSHE K, 770 SPJELDNAES N. See NOLTE H, 791

SPENCER J. See HESSEY SJ, 134, VINEY J, 844

1442 SPENGLER U. See SAUTER G, 1041 Sphincter of Oddi dysfunction, clinical and scintigraphic assessment of endoscopic spincterotomy in, 231 of Oddi manometry, pancreatitis after, 821 SPITERI MA, JOHNSON M, EPSTEIN O, SHERLOCK S, CLARKE SW, POULTER LW: Immunological features of lung lavage cells from patients with primary biliary cirrhosis may reflect those seen in pulmonary sarcoidosis, 208 Spondylarthropathy, seronegative, HLA-DR expression by ileal epithelial cells in, 545 SPRINGER CJ. See COUPE M, 144 SRAI SKS. See CHESTA J, 660 Sri Lanka, oesophageal carcinoma in (Letter), 242 SRIVASTAVA ED, RUSSELL MAH, FEYERABEND C, RHODES J: Effect of ulcerative colitis and smoking on rectal blood flow, 1021 STACHER G. See KISS A, 259 STACHER-JANOTTA G. See KISS A, 259 STAERK LAURSEN L, STOKHOLM M, BUKHAVE K, RASK-MADSEN J, LAURITSEN K: Disposition of 5-aminosalicylic acid by olsalazine and three mesalazine preparations in patients with ulcerative colitis: comparison of intraluminal colonic concentrations, serum values, and urinary excretion, 1271 STAIANO A. See CUCCHIARA S, 21, 129 STAKKEVOLD PA. See BERNERSEN B, 989 STALDER GA. See BLUM AL, 825 STALLMACH A, SCHUPPAN D, DAX J, HANSKI C, RIECKEN EO: Identification of laminin binding proteins in cell membranes of a human colon adenocarcinoma cell line, 70 STANKIEWICZ H. See LIGUMSKY M, 1416 STANLEY DP. See CUMMINS AG, 317 Starch formulations: ¹³CO₂ breath test to measure hydrolysis in healthy subjects, 175 STARITZ M. RAMBOW A. GROSSE A. HURST A. FLOTH A. MILDENBERGER P. GOEBEL M. JUNGINGER TH, HOHENFELLNER R, THELEN M, MEYER ZUM BUSCHENFELDE K and H: Electromagnetically generated extracorporeal shockwaves for fragmentation of extra- and intrahepatic bile duct stones: indications, success and problems during a 15 months clinical experience, 222 Starvation induces ileal hypersecretion in rat, 162 induces jejunal hypersecretion in rat, 43 STEADMAN C, KERLIN P, CRIMMINS F, BELL J, ROBINSON D, DORRINGTON L, MCINTYRE A: Spontaneous intramural rupture of the oesophagus, 845 STEELE J. See DUBE R, 431 STEIN AG. See DANESHMEND TK, 514 STEINER-MITTELBACH G. See KISS A, 259 STEINRINGER H. See KISS A, 259 STERN H, WALFISCH S, MULLEN B, MCLEOD R, COHEN Z: Cancer in an ileoanal reservoir: a new late complication? (Case report), 473 STIEL D. See DIAMOND T, 82 STINNER A. See SCHOENBERG MH. 1138 STOCKBRUGGER RW. See ARMBRECHT U, 1105 STOCKMANN F. See LEONHARDT U, 934 STOKHOLM M. See STAERK LAURSEN L, 1271 Stomach, human, histamine containing cells in, 383 human, tightly spiral shaped bacteria in, 139 to caecum transit time, delayed, in the diabetic rat. Possible role of hyperglucagonaemia, 660 to caecum transit. See also Ileal brake See also Gastric; Gastritis Stomal adenocarcinoma in Crohn's disease (Case report), 1329 STRAUME B. See BERNERSEN B, 989 STRONG RW. See WALKER NI, 584 Strongyloides stercoralis associated with a bleeding gastric ulcer (Case report), 1414 STUDLEY JGN, LINEHAN IP, OGILVIE AL, DOWLING BL: Swallowed button batteries: is there a consensus on management? 867 SUAREZ V. See SHERLOCK DJ, 1329 Sucralfate and bismuth subcitrate, effect on rat duodenal and human gastric bicarbonate secretion in vivo, 26, (Letter), 958 in treatment and prevention of gastric ulcer (Clinical trial), 825 Sufotidine 600mg bd virtually eliminates 24 hour intragastric acidity in duodenal ulcer subjects, 291, (Letter), 1087 sugai m. See marotta f, 279

SWOBODNIK W. See JANOWITZ P, 1407 Sympathetic activation: mechanism for morphine induced pain and rises in liver enzymes after cholecystectomy? 217 SZAZ KF. See CHACKO A. 106 T cell number and epithelial HLA class II expression in normal and inflamed human gastric mucosa, 647 T cells and macrophages from lamina propria, differential expression of CD24 (interleukin-2 receptor) on, in intestinal lesions in Crohn's disease and ulcerative colitis, 1365 gamma/delta, in the gut epithelium (Leading article), 841 T-cellular immune reactions against Mycobacterium paratuberculosis, M kansasii, M tuberculosis, M avium in chronic inflammatory bowel disease, 529 TAGESSON C. See OLAISON G. 325 tainio v-m. See verkasalo ma, 422 TAKAHASI F, SHAH HS, WISE LS, DAS KM: Circulating antibodies against human colonic extract enriched with a 40 kDa protein in patients with ulcerative colitis, 1016 Takayasu's arteritis associated with idiopathic ulcerative colitis (Case report), 831 TALLEY NJ, PHILLIPS SF, MELTON LJ, MULVIHILL C, WILTGEN C, ZINSMEISTER AR: Diagnostic value of the Manning criteria in irritable bowel syndrome, 77 : SHORTER RG, PHILLIPS SF, ZINSMEISTER AR: Eosinophilic gastroenteritis: a clinicopathological study of patients with disease of the mucosa, muscle layer, and subserosal tissues, 54 TANAKA K. See OKADA M, 758 TANNER WA. See DARZI A, 1110 tarao k, ikeda t, hayashi k, sakurai a, okada t, ito t, karube h, nomoto t, MIZUNO T, SHINDO K: Successful use of vancomycin hydrochloride in the treatment of lactulose resistant chronic hepatic encephalopathy, 702 TASMAN-JONES C. See THOMSEN LL, 1230 TATSUTA M, IISHI H, OKUDA S: Gastric emptying in patients with fundal gastritis and gastric cancer, 767 -: ISHIKAWA H, IISHI H, OKUDA S, YOKOTA Y: Reduction of gastric ulcer recurrence after suppression of Helicobacter pylori by cefixime, 973 Taurocholate induced pancreatitis, camostate improves the therapeutic effect of peritoneal lavage on, 934 TAY HH. See KANG JY, **476**, **850** TAY HP, CHAPARALA RC, HARMON JW, HUESKEN J, SAINI N, HAKKI FZ, SCHWEITZER EJ: Bismuth subsalicylate reduces peptic injury of the oesophagus in rabbits, 11 TAYLOR CJ. See BAXTER P, 817 TAYLOR DJ. See OBERHAENSLIE R, 463 TEAHON K, BJARNASON I, PEARSON M, LEVI AJ: Ten years' experience with an elemental diet in the management of Crohn's disease, 1133 tedeschi a. See barresi g, 482 Telangiectasia, Osler's disease is not a (Letter), 242 TEMPERLEY JM. See BATE CM, 968 TESTONI PA, BAGNOLO F, FANTI L, PASSARETTI S, TITTOBELLO A: Longterm oral cisapride improves interdigestive antroduodenal motility in dyspeptic patients, 286 THELEN M. See STARITZ M, 222 THEODOSSI A. See RAO KIM, 565 Thermocoagulation. See Heat probe THOMAS DW, BAGG J, WALKER DM: Characterisation of the effector cells responsible for the in vitro cytotoxicity of blood leucocytes from aphthous ulcer patients for oral epithelial cells, 294 THOMAS WM, HARDCASTLE JD: Role of upper gastrointestinal investigations in a screening study for colorectal neoplasia, 1294 THOMAS Y. See DENIZOT Y, 1242 THOMPSON DG. See BATE CM, 968; KENDALL GPN, 1062 THOMPSON EM, PRICE YE, WRIGHT NA: Kinetics of enteroendocrine cells with implications for their origin: a study of the cholecystokinin and gastrin subpopulations combining tritiated thymidine labelling with immunocytochemistry in the mouse, 406 THOMPSON H. See DE DOMBAL FT, 115 THOMPSON M. See BARDHAN KD, 745 THOMSEN L. See MORRIS A, 139 THOMSEN LL, GAVIN JB, TASMAN-JONES C: Relation of Helicobacter pylori to the human gastric mucosa in chronic gastritis of the antrum, 1230 THORNTON JR, LOSOWSKY MS: Severe thrombocytopenia after paracetamol overdose (Case report), 1159 Sulphasalazine, 5-aminosalicylic acid, and olsalazine, scavenger effect of Thrombocytopenia, severe, after paracetamol overdose (Case report), 1159 Thromboxane synthetase inhibitors: effect on experimental NSAID enteropathy in the rat, 1358 SUN WM, READ NW, MINER PB: Relation between rectal sensation and anal THURNHAM DI. See SITUNAYAKE RD, 1311

TIELEMANS Y, AXELSON J, SUNDLER F, WILLEMS G, HAKANSON R: Serum gastrin

Tobacco smoke and inflammatory bowel disease, case-control study, 1377

concentration affects the self replication rate of the enterochromaffin like

TI TK. See KANG JY, 550

cells in the rat stomach, 274

TJIVRAS M. See ARCHIMANDRITIS AJ, 481

TOBIN E. See O'RIORDAN T, 999

тора к. See ніві т. 1371

TITTOBELLO A. See GUSLANDI M, 481; TESTONI PA, 286

diagnosis of carcinoma and dysplasia, 1266 SWANSON NR. See IEFFREY GP. 698 SWEENEY E. See O'RIORDAN T, 999

inhibition of cell mediated cytotoxicity by, 1030

SUNDLER F. See LONROTH H, 383; TIELEMANS Y, 274

Surgical patients, enteral nitrogen support in, 1277 SUTHERLAND IH. See KANG JY, 850; WEE A, 1093

function in normal subjects and patients with faecal incontinence, 1056

analysis in ulcerative colitis with special reference to its application in

SUZUKI K, MUTO T, MASAKI T, MORIOKA Y: Microspectrophotometric DNA

suhonen m. See laakso m, 344

SUMBERAZ A. See SAVARINO V, 584

SULE D. See KELLER KM, 1156

(Letter), 730

General index TOGHILL PJ. See FELLOWS IW, 728 TOOULI J. See WYMAN JB, 639 TORGANO G. See VECCHI M, 482 TOROK E. See KARPATI S, 585 TORP-PEDERSEN S. See GLENTHOJ A, 930 TORPIER G. See COLOMBEL JF, 583 intestine, 781 study, 17 Stomach to caecum TREVISANI L. See PAZZI P, 1422

TORRES J, JENNISCHE E, LANGE S, LONNROTH I: Enterotoxins from Clostridium difficile; diarrhoeogenic potency and morphological effects in the rat TOTTRUP A, FORMAN A, FUNCH-JENSEN P, RAUNDAHL U, ANDERSSON K-E: Effects of

postganglionic nerve stimulation in oesophageal achalasia: an in vitro

TOVEY FI, JAYARAJ AP: Peptic ulcer in India (Letter), 123

Transit. See Colonic capacitance and transit; Gastrointestinal; Orocaecal;

Tripotassium dicitrato bismuthate causing bismuth induced encephalopathy in a patient with chronic renal failure (Case report), 359 dicitrato bismuthate in non-ulcer dyspepsia: ¹³C-urea in detection of H

pylori and monitoring effect, 1237

Trypsin and lipase activity, high, in serum, fat necrosis and polyarthritis complicating pancreatic carcinoma, 953

tsai yt. See lin hj, 753

тѕисніча м. Ѕее ніві т, 1371

TSUDA N. See SAKU T, 1250

Tuberculosis. See Peritonitis

TUCCARI G. See BARRESI G, 482

TULASSAY T, TULASSAY Z, RASCHER W: Effects of albumin infusion in cirrhotic patients (Letter), 1419

TULASSAY Z. See TULASSAY T, 1419

Tumour necrosis factor, cholestatic jaundice, and chronic liver disease (Hypothesis), 938

necrosis factor, endotoxin induced: lactulose inhibits production by monocytes in vitro, 198

Tumours. See Head and neck tumours

TURK JL. See MITCHELL IC, 674

TVEDE N. See BRYNSKOV J, 795

TYTGAT GNJ. See COENE PPLO, 913

udeshi u. See mike n, 883

Ulcer(s) See Aphthous; Duodenal; Gastric; Peptic

Ulcerative colitis, a potential mechanism for the therapeutic action of 5-aminosalicylic acid in, 184

colitis and Crohn's disease: differential expression of CD25 (interleukin-2 receptor) on lamina propria T cells and macrophages in intestinal lesions,

colitis and smoking, effect on rectal blood flow, 1021

colitis, circulating antibodies against human colonic extract enriched with a 40 kDa protein, 1016

colitis, epidemiologic study of colectomy rate in, 329

colitis, extensive, precancer and cancer in: findings among 401 patients over 22 years, 800

colitis, idiopathic, and associated Takayasu's arteritis (Case report), 831 colitis: in vitro anticolon antibody production by mucosal or peripheral

blood lymphoctes, 1371 colitis, microspectrophotometric DNA analysis in diagnosis of carcinoma

and dysplasia, 1266 colitis: one disease or two? 426

colitis patients with normal liver function tests, liver histology and follow up of, 468

colitis, screening for colorectal cancer in: dubious benefits and high costs (Leading article), 1089

colitis, why do patients relapse? 179, (Letters), 959, 1419

See also Pouch; Pouchitis

Ultrasound, abdominal, intraoperative (Leading article), 368

guided biopsies. See Fine needle

UMAR HM. See DEES A, 1414

UNWIN BJ. See DE DOMBAL FT, 115 UPADHYAY R. See MCKINLAY AW, 940

Uraemia, gastroduodenal mucosa in: endoscopy, histology and helicobacterlike organisms, 1093

Urea, 15N labelled, metabolism in the functioning human colon: luminal hydrolysis and mucosal permeability, 454

synthesis and amino acid clearance increased in a patient with glucagonoma (Case report), 946

Urease test, one minute (Letter), 840

Urinary acid excretion, changes in, and gastric acid secretion, relation between, 862

Ursodeoxycholic acid: effect on hepatic biliary lipid secretion and gall bladder biliary lipid mass in gall stone patients, 226

acid, effect on nutrition and liver function in cystic fibrosis patients with longstanding cholestasis, 918

VADSTRUP S. See RUNE SI, 151 VAERMAN IP. See COLOMBAL IF, 1345 Vagotomy, highly selective, recurrent duodenal ulceration after, is antral gastrin important? 763

See also Postvagotomy

VAIRA D. See DOWSETT JF, 905

VALLOTTON J-J. See BLUM AL, 825

VALNES K, HUITFELDT HS, BRANDTZAEG P: Relation between T cell number and epithelial HLA class II expression quantified by image analysis in normal and inflamed human gastric mucosa, 647

VALORI RM: Nutcracker, neurosis, or sampling bias? (Leading article), 736

VAN BLANKENSTEIN M. See HOOGERBRUGGE-VD LINDEN N, 348

Vancomycin hydrochloride in lactulose resistant chronic hepatic encephalopathy, 702, (Letter), 702

van de kaa ca. See van klaveren rj, 953

VANDENPLAS Y, HELVEN R, GOYVAERTS H, SACRE L: Reproducibility of continuous 24 hour oesophageal pH monitoring in infants and children, 374, (Letter), 1420

VAN DER HAM AC, KORT WJ, BIJMA AM, ZIJLSTRA FJ, VERMEER MA, JEEKEL J: Eicosanoid profile of healing colon anastomosis and peritoneal macrophages in the rat, 807

VAN HAELST UJGM. See VAN KLAVEREN RJ, 953

VAN KLAVEREN RJ, DE MULDER PHM, BOERBOOMS AMT, VAN DE KAA CA, VAN HAELST UJGM, WAGENER DJT, HAFKENSCHEID JCM: Pancreatic carcinoma with polyarthritis, fat necrosis, and high serum lipase and trypsin activity, 953

VAN LEEUWEN DJ, HOWE SC, SCHEUER PJ, SHERLOCK S: Portal hypertension in chronic hepatitis: relationship to morphological changes, 339

VAN LOON FPL: Acute diarrhoea in expatriates in Bangladesh (Letter), 123

VANTRAPPEN G. See GHILLEBERT G, 738; HIELE M, 175

VAN WILDER PH. See PLAS J, 242

Vascular malformations, intracranial, and associated focal nodular hyperplasia of the liver (Case report), 554

Vasoactive intestinal peptide, effect on cyclic adenosine monophosphate production in enterocytes isolated from human duodenal biopsy specimens, 1350

Vasodilatation associated with hepatocellular disease: relation to functional organ failure (Leading article), 365

VECCHI M, TORGANO G, DE FRANCHIS R, AGAPE D, RONCHI G: Lectin binding sites in the jejunal mucosa of patients with gluten sensitive enteropathy (Reply to Letter), 482

ventrucci m. See gullo l, 926

VEREBELYI T. See VIZI ES, 1046

VERGANI D. See LOBO-YEO A, 690

VERKASALO MA, ARATO A, SAVILAHTI E, TAINIO V-M: Effect of diet and age on jejunal and circulating lymphocyte subsets in children with coeliac disease: persistence of CD4-8-intraepithelial T cells through treatment, 422

VERMEER MA. See VAN DER HAM AC, 807

VERSPAGET HW. See APARICIO-PAGES MN. 1030

verweij j. See dees a, 1414

vestergaard bf. See rune sj, 151

VEYS E. See CUVLIER C, 545

VIDAL F, PEREZ J, MORANCHO J, PINTO B, RICHART C: Hepatic alcohol dehydrogenase activity in alcoholic subjects with and without liver disease, 707

VILASECA J, SALAS A, GUARNER F, RODRIGUEZ R, MARTINEZ M, MALAGELADA J-R: Dietary fish oil reduces progression of chronic inflammatory lesions in a rat model of granulomatous colitis, 539

VILIEN M. See RUNE SJ, 151

VILLA G. See MELA GS, 1087

Villous adenoma of the common hepatic duct: role of ultrasound in management (Case report), 558

VILSTRUP H. See ALMDAL TP, 946

VINEL JP. See CALES P, 1298

VINER C. See JONES A, 938

VINEY J, MACDONALD TT, SPENCER J: Gamma/delta T cells in the gut epithelium (Leading article), 841

Vitamin B₁₂ binding proteins, 59

VIZI ES, ZSELI J, KONTOR E, FEHER E, VEREBELYI T: Characteristics of cholinergic neuroeffector transmission of ganglionic and aganglionic colon in Hirschsprung's disease, 1046

Vomiting, psychogenic: the relation between patterns of vomiting and psychiatric diagnosis, 526

VON ENGELHARDT W. See KUCK-BIERE U, 64

Von Hippel-Lindau syndrome complicated by carcinoid tumour of the common bile duct (Case report), 728

VORSTER HH. See GIBSON GR, 679

WAGENER DIT. See VAN KLAVEREN RI. 953

WAKEFIELD A, COHEN Z, LEVY G: Procoagulant activity in gastroenterology (Progress report), 239

WALDRON DJ, KUMAR D, HALLAN RI, WINGATE DL, WILLIAMS NS: Evidence for motor neuropathy and reduced filling of the rectum in chronic intractable constination, 1284

WALFISCH S. See STERN H, 473

WALIA BNS. See CHAWLA YK, 213

WALKER ARP. See GIBSON GR. 679

WALKER BE. See GOODE HF, 694

WALKER DM. See THOMAS DW. 294 WALKER MM. See BARON JH, 242 WALKER NI, STRONG RW: Epithelial dysplasia in Caroli's disease (Letter), 584 WALKER RJ. See BARR H, 252, 1161 WALKER SJ. See HARTLEY MN, 500 WALKER-SMITH JA. See CHOY MY, 1365 WALLIN L. See KRUSE-ANDERSEN S, 633 WALSHE K, HEALY MJ, SPEEKENBRINK ABJ, KEANE CT, WEIR DG, O'MOORE RR: Effects of an enteric anaerobic bacterial culture supernatant and deoxycholate on intestinal calcium absorption and disaccharidase activity, 770 WALT RP. See HANNAN A, 1246; MERKI HS, 148 WANDELL JH. See RUNE SJ, 151 WANI M, HISHON S: ECG record during changes in oesophageal pH, 127 WARNES TW. See MCMAHON RFT, 484 WASTELL C. See IOHNSON CD. 862 WATANABE M. See HIBI T, 1371 WATANABE N. See HIBI T, 1371 WATSON AJM, ELLIOTT EJ, ROLSTON DDK, BORODO MM, FARTHING MJG, FAIRCLOUGH PD: Acetate absorption in the normal and secreting rat jejunum, 170 WATSON BW. See COLSON DJ, 370 WATT PCH. See COLLINS JSA, 858 WEBB AK. See BILTON D, 236 WECHSLER JG. See JANOWITZ P, 1407 WEE A, KANG JY, HO MS, CHOONG HL, WU AYT, SUTHERLAND IH: Gastroduodenal mucosa in uraemia: endoscopic and histological correlation and prevalence of helicobacter-like organisms, 1093 WEE A. See also KANG JY, 476, 550, 850 WEGMAN EA, GANDEVIA SC, ANISS AM: Concordance between colonic myoelectrical signals recorded with intramuscular electrodes in the human rectosigmoid in vivo, 1289 weir dg. See Caffrey C, 663; feighery C, 584; walshe k, 770 WETERMAN IT, BIEMOND I, PENA AS: Mortality and causes of death in Crohn's 1011 disease. Review of 50 years' experience in Leiden University Hospital, WETERMAN IT. See APARICIO-PAGES MN, 1030 WEYNAND B. See HAOT J, 840 WHELAN A. See FEIGHERY C, 584 WHELTON MJ. See O'MAHONY D, 717 WHORWELL PJ. See MAXTON DG, 351; PRIOR A, 458, 896 WIESNAGROTZKI S. See KISS A, 259 WILD SR. See WILLIAMS AJK, 1082 WILDER-SMITH C. See MERKI HS, 148 WILKINSON M. See DIAMOND T, 82 WILKINSON SP. See BATE CM, 968 WILLEMS G. See TIELEMANS Y. 274 WILLETTE M. See HAOT J, 282 WILLIAMS A: Macrophage activity in inflammatory bowel disease (Letter), 481 WILLIAMS AJK, WILD SR, PALMER KR: Adult hepatic fibropolycystic disease presenting as obstructive jaundice (Case report), 1082 WILLIAMS CB. See CHOY MY, 1365; LENNARD-JONES JE, 800 WILLIAMS EI. See JONES RH, 401 ZINZUVADIA SN. See ROLSTOB DDK, 1115

Owing to production difficulties the Abstract index will be published in Volume 32, January issue.

WILLIAMS JG, HUGHES LE, HALLETT MB: Toxic oxygen metabolite production by

circulating phagocytic cells in inflammatory bowel disease, 187

WILLIAMS GT. See DE DOMBAL FT, 115; SEYMOUR DG, 719

WILLIAMS NS. See WALDRON DI. 1284 WILLIAMS R. See CUNDY TF, 337 Williams, Roger, short biography of, 1084 WILLIAMSON RCN. See GRACE PA, 571 WILTGEN C. See TALLEY NJ, 77 WINDELBORG B. See NOLTE H, 791 WINGATE DL. See WALDRON DJ, 1284 WIRTH S. See KELLER KM, 1156 WISE LS. See TAKAHASI F, 1016 WITZEL L. See MERKI HS, 148 WOOD AJ. See DILL S, 1237 WRIGHT NA. See THOMPSON EM, 406 WRIGHT VA. See COLSON DI, 370 WU AYT. See WEE A, 1093 WULFF HR. See RUNE SJ, 151 WYATT JI. See HESSEY SJ, 134 WYMAN JB, DENT J, HEDDLE R, DODDS WJ, TOOULI J, DOWNTON J: Control of belching by the lower oesophageal sphincter, 639 XAVIER-NETO J, DOS SANTOS AA, ROLA FH: Acute hypervolaemia increases gastroduodenal resistance to the flow of liquid in the rat, 1006 уамамото к. See saku т, 1250 YAMAMOTO T. See OKADA M, 758 YAO T. See OKADA M, 758 YAP I. See KANG JY, 476, 850 YARRED LJ. See JEFFREY GP, 698 VASAWI MI. See MOHAMED ARE. 439 Yeast antibody in Crohn's disease, 536 Yersinia enterocolitica, invasion of Peyer's patches by, involvement of M cells, чокота ч. See татѕита м, 973 YOUNES M. See SCHOENBERG MH, 1138 YOUNG A, LEVIN RJ: Diarrhoea of famine and malnutrition: investigations using a rat model. 1 Jejunal hypersecretion induced by starvation, 43; 2 Ileal hypersecretion induced by starvation, 162 YOUNG GP. See ALBERT V, 311, 959 YOUNG J. See FREEMAN TC, 1318 zanelli g. See bjarnason i, 777 ZENTILIN P. See MELA GS, 1087 ZIEGLER F, OLLIVIER JM, CYNOBER L, MASINI JP, COUDRAY-LUCAS C, LEVY E, GIBOUDEAU J: Efficacy of enteral nitrogen support in surgical patients: small peptides v non-degraded proteins, 1277 ZIJLSTRA FJ. See VAN DER HAM AC, 807 Zinc: normal concentrations in acrodermatitis enteropathica (Letter), 243 status and hepatic functional reserve in liver disease, 694 ZINSMEISTER AR. See KAMATH PS, 443; TALLEY NJ, 54, 77

zseli j. See vizi es, 1046

ZIRONI G. See BOLONDI L, 1306

ZOLLER A. See JANOWITZ P, 1407



VOLUME 31 · 1990

Editor: R N Allan

Book Review Editor: D L Wingate
Technical Editors: Shirley McGealey, Sue Burkhart, and Norma Pearce

Editorial Assistant: Jackie Foulds

EDITORIAL COMMITTEE

ATR Axon	I T Gilmore	M E Parsons	D R Triger
M F Bassendine	M R B Keighley	W D W Rees	R C N Williamson
R M Batt	M Lucas	J M Rhodes	S J W Evans (Statistical
D G Colin-Jones	P J Milla	R I Russell	adviser)
M F Dixon	D Nolan	S Tabaqchali	Editor
G R Giles	C O'Morain	I C Talbot	British Medical Journal

Page

No 1 IANUARY 1990

Leading article

Gastro-oesophageal reflux and asthma; a common association, but of what clinical importance? J M Goldman, 7 R Bennett

Alimentary tract

- Mechanisms of acid reflux associated with cigarette smoking PJ Kahrilas, RR Gupta
- Bismuth subsalicylate reduces peptic injury of the oesophagus in rabbits HP Tay, RC Chaparala, JW Harmon, 11 J Huesken, N Saini, F Z Hakki, E J Schweitzer
- Effects of postganglionic nerve stimulation in oesophageal achalasia: an in vitro study A Tottrup, A Forman, P Funch-Tensen, II Raundahl, K-E Andersson
- Effects of cisapride on parameters of oesophageal motility and on the prolonged intraoesophageal pH test in infants with 21 gastro-oesophageal reflux disease S Cucchiara, A Staiano, A Boccieri, M De Stefano, C Capozzi, G Manzi, F Camerlingo, F M Paone
- Effect of bismuth subcitrate and sucralfate on rat duodenal and human gastric bicarbonate secretion in vivo CJ Shorrock, A Garner, A Hunter, J R Crampton, W D W Rees
- Studies in intestinal lymphoid tissue. XIV-HLA status, mucosal morphology, permeability and epithelial lymphocyte populations in first degree relatives of patients with coeliac disease MN Marsh, I Bjarnason, J Shaw, A Ellis, R Baker,
- 37 Interval sampling of end-expiratory hydrogen (H2) concentrations to quantify carbohydrate malabsorption by means of lactulose standards JJ Rumessen, O Hamberg, E Gudmand-Høyer
- Diarrhoea of famine and malnutrition: investigations using a rat model. 1 Jejunal hypersecretion induced by 43 starvation A Young, R7 Levin
- Eosinophilic gastroenteritis: a clinicopathological study of patients with disease of the mucosa, muscle layer, and 54 subserosal tissues NJ Talley, RG Shorter, SF Phillips, AR Zinsmeister
- B₁₂ Binding proteins Graham Neale
- Factors affecting the potassium concentration at the mucosal surface of the proximal and the distal colon of guinea pig U Kück-Biere, W von Engelhardt
- Identification of laminin binding proteins in cell membranes of a human colon adenocarcinoma cell line A Stallmach, 70 D Schuppan, J Dax, C Hanski, E O Riecken
- Diagnostic value of the Manning criteria in irritable bowel syndrome NJ Talley, SF Phillips, LJ Melton, D Wiltgen, C Mulvihill, A R Zinsmeister

Liver, biliary, and pancreas

- Osteoporosis and skeletal fractures in chronic liver disease T Diamond, D Stiel, M Lunzer, M Wilkinson, J Roche,
- Low molecular weight IgM in primary biliary cirrhosis PJ Roberts-Thomson, Kathryn Shepherd
- Effect of gastrin on liver regeneration after partial hepatectomy in rats TN Rasmussen, PE Jørgensen, T Almdal, S S Poulsen, P S Olsen
- Raised histamine concentrations in chronic cholestatic liver disease SD Gittlen, ES Schulman, WC Maddrey
- Quantitative ultrastructural studies of gall bladder epithelium in gall stone free subjects and patients with gall stones 100 S Sahlin, J Ahlberg, K Einarsson, R Henriksson, A Danielsson

106 Non-invasive method for delivery of tracer substances or small quantities of other materials to the colon A Chacko, K F Szaz, 7 Howard, 7 H Cummings

Progress report

111 Grains of truth: evolutionary changes in small intestinal mucosa in response to environmental antigen challenge Michael N Marsh

- The British Society of Gastroenterology early gastric cancer/dysplasia survey: an interim report FT de Dombal, A B Price, H Thompson, G T Williams, A G Morgan, A Softley, S E Clamp, B J Unwin
- Referees · Letters to the editor · Notes

No 2 FEBRUARY 1990

Leading article

Endoscopic demands in the 90's Brian Scott 125

Alimentary tract

- ECG record during changes in oesophageal pH M Wani, S Hishon 127
- Value of the 24 hour intraoesophageal pH monitoring in children S Cucchiara, A Staiano, L Gobio Casali, A Boccieri, 129 F M Paone
- 134 Bacterial adhesion and disease activity in Helicobacter associated chronic gastritis SJ Hessey, J Spencer, J I Wyatt, G Sobala, BJ Rathbone, ATR Axon, MF Dixon
- Tightly spiral shaped bacteria in the human stomach: another cause of active chronic gastritis? Arthur Morris, 139 M Rafiq Ali, Lindy Thomsen, Brian Hollis
- Gastric enterochromaffin-like (ECL) cells in hypergastrinaemic duodenal ulcer disease M Coupe, H Rees, C J Springer, 144 A E Bishop, J A Morris, J M Polak, J Calam
- Effect of food on H2-receptor blockade in normal subjects and duodenal ulcer patients HS Merki, F Halter, 148
- C Wilder-Smith, P Allemann, L Witzel, M Kempf, J Roehmel, R P Walt
 Acyclovir in the prevention of duodenal ulcer recurrence SJ Rune, J Linde, O Bonnevie, H Draminsky Petersen, 151 F Bendtsen, J H Wandall, C Gluud, J Eriksen, H Skovbjerg, M Vilien, M Olesen, S Larsen, P Schlichting, M Gormsen, HR Wulff, S Vadstrup, BF Vestergaard
- Signs of increased leakage over the jejunal mucosa during gliadin challenge of patients with coeliac disease B Lavö, 153 L Knutson, L Lööf, B Odlind, R Hällgren
- Effect of prefeeding lipid on food intake and satiety in man CP Sepple, NW Read 158
- Diarrhoea of famine and malnutrition investigations using a rat model. 2 Ileal hypersecretion induced by starvation 162 A Young, R 7 Levin
- Acetate absorption in the normal and secreting rat jejunum AJM Watson, EJ Elliott, DDK Rolston, MM Borodo, 170 MJG. Farthing, PD Fairclough
- ¹³CO₂ Breath test to measure the hydrolysis of various starch formulations in healthy subjects M Hiele, Y Ghoos, 175 P Rutgeerts, G Vantrappen, K de Buyser

- 179 Why do patients with ulcerative colitis relapse? S A Riley, V Mani, M J Goodman, S Lucas
- 184 Cytoprotection against neutrophil derived hypochlorous acid: a potential mechanism for the therapeutic action of 5-aminosalicylic acid in ulcerative colitis F Dallegri, L Ottonello, A Ballestrero, F Bogliolo, F Ferrando, F Patrone
- 187 Toxic oxygen metabolite production by circulating phagocytic cells in inflammatory bowel disease JG Williams, LE Hughes, MB Hallett
- 194 Development of colonic sodium transport in early childhood and its regulation by aldosterone HR Jenkins, TR Fenton, N McIntosh, MJ Dillon, PJ Milla
- Lactulose inhibits endotoxin induced tumour necrosis factor production by monocytes. An in vitro study J W Greve, 198 D 7 Gouma, P A M v Leeuwen, W A Buurman

Liver, biliary, and pancreas

- Intravenous albumin infusion is an effective therapy for hyponatraemia in cirrhotic patients with ascites 204 P A McCormick, P Mistry, G Kaye, A K Burroughs, N McIntyre
- 208 Immunological features of lung lavage cells from patients with primary biliary cirrhosis may reflect those seen in pulmonary sarcoidosis MA Spiteri, M Johnson, O Epstein, S Sherlock, S W Clarke, L W Poulter
- Sclerotherapy in extrahepatic portal venous obstruction YK Chawla, J B Dilawari, GN Ramesh, Upjeet Kaur, 213 S K Mitra, B N S Walia
- Sympathetic activation: a mechanism for morphine induced pain and rises in liver enzymes after cholecystectomy? 217 I C Roberts-Thomson, J R Jonsson, D B Frewin, G C Coates
- 222 Electromagnetically generated extracorporeal shockwaves for fragmentation of extra- and intrahepatic bile duct stones: indications, success and problems during a 15 months clinical experience M Staritz, A Rambow, A Grosse, A Hurst, A Floth, P Mildenberger, M Goebel, Th Junginger, R Hohenfellner, M Thelen, K and H Moyer zum Büschenfelde
- Hepatic biliary lipid secretion and gall bladder biliary lipid mass in gall stone patients: effect of ursodeoxycholic acid 226 A Lanzini, T C Northfield
- Clinical and scintigraphic assessment of the role of endoscopic sphincterotomy in the treament of sphincter of Oddi 231 dysfunction GM Fullarton, T Hilditch, A Campbell, W R Murray

Pathology of common bile duct stenosis in cystic fibrosis D Bilton, R Fox, A K Webb, W Lawler, R F T McMahon, 236 J M T Howat

Progress report

- 239 Procoagulant activity in gastroenterology A Wakefield, Z Cohen, G Levy
- Letters to the editor · Notes 242

No 3 MARCH 1990

Leading articles

- 245
- Postvagotomy diarrhoea: is there a place for surgical management? A Cuschieri Inflammation in ileal reservoirs: 'pouchitis' M V Madden, M J G Farthing, R J Nicholls 247
- 250 Orocaecal transit time in health and disease IT Gilmore

- Prospective randomised trial of laser therapy only and laser therapy followed by endoscopic intubation for the palliation 252 of malignant dysphagia H Barr, N Krasner, A Raouf, R J Walker
- Oesophageal and gastric motor activity in patients with bulimia nervosa A Kiss, H Bergmann, T H-A Abatzi, 259 C Schneider, S Wiesnagrotzki, J Höbart, G Steiner-Mittelbach, G Gaupmann, A Kugi, G Stacher-Janotta, H Steinringer, G Stacher
- Oesophageal acidification does not increase lower oesophageal sphincter pressure JF Helm, BT Massey, CJ Martin, 266 W J Dodds, W J Hogan, R C Arndorfer
- Arterial oxygen saturation during upper gastrointestinal endoscopy: the effects of a midazolam/pethidine combination 270 A W Murray, C G Morran, G N C Kenny, J R Anderson
- Serum gastrin concentration affects the self replication rate of the enterochromaffin like cells in the rat stomach 274 Y Tielemans, J Axelson, F Sundler, G Willems, R Håkanson
- Relationship between gastrin cell number, serum, antral mucosa and luminal gastrin concentration and gastric acidity in 279 antral atrophic gastritis F Marotta, K Hayakawa, Y Mikami, P Morello, M Sugai, T Morita
- Lymphocytic gastritis prospective study of its relationship with varioliform gastritis J Haot, A Jouret, M Willette, 282 A Gossuin, P Mainguet
- Longterm oral cisapride improves interdigestive antoroduodenal motility in dyspeptic patients PA Testoni, 286 F Bagnolo, L Fanti, S Passaretti, A Tittobello
- Sufotidine 600 mg bd virtually eliminates 24 hour intragastric acidity in duodenal ulcer subjects JTL Smith, 291 R F. Pounder
- Characterisation of the effector cells responsible for the in vitro cytotoxicity of blood leucocytes from aphthous ulcer 294 patients for oral epithelial cells DW Thomas, J Bagg, DM Walker
- Breath hydrogen response to lactulose in healthy subjects: relationship to methane producing status D Cloarec, 300 F Bornet, S Gouilloud, J L Barry, B Salim, J P Galmiche
- Protein synthesis of muscle fractions from the small intestine in alcohol fed rats VR Preedy, TJ Peters 305
- Systemic factors are trophic in bypassed rat small intestine in the absence of luminal contents VAlbert, GP Young, 311 C L Morton, P Robinson, P S Bhathal
- $Quantitative \ histological \ study \ of \ enteropathy \ associated \ with \ HIV \ infection \\ A \ G \ Cummins, \ \mathcal{J} \ T \ La Brooy, \ D \ P \ Stanley,$ 317 R Rowland, DJ C Shearman
- Goblet cell carcinoid of the appendix K Park, K Blessing, K Kerr, U Chetty, H Gilmour 322
- Glucocortoid treatment in ileal Crohn's disease: relief of symptoms but not of endoscopically viewed inflammation 325 G Olaison, R Sjödahl, C Tagesson
- 329
- Factors affecting colectomy rate in ulcerative colitis: an epidemiologic study CE Leijonmarck, PG Persson, G Hellers Fine needle aspiration cytology of rectal masses R Kochhar, A Rajwanshi, J Dev Wig, N M Gupta, V Kesiezie, 334 DK Bhasin, AK Malik, SK Gupta, SK Mehta

Liver, biliary, and pancreas

- Recovery of menstruation and pregnancy after liver transplantation TF Cundy, J G O'Grady, Roger Williams
- Portal hypertension in chronic hepatitis: relationship to morphological changes DJ van Leeuwen, SC Howe, 339 P 7 Scheuer, Sheila Sherlock
- Plasma insulin, serum lipids and lipoproteins in gall stone disease in non-insulin dependent diabetic subjects: a case control study M Laakso, M Suhonen, R Julkunen, K Pyörälä
- Effect of pravastatin on biliary lipid composition and bile acid synthesis in familial hypercholesterolaemia 348 N Hoogerbrugge-vd Linden, F W M de Rooy, H Jansen, M van Blankenstein

Clinical trials

Controlled trial of Pyrogastrone and cimetidine in the treatment of reflux oesophagitis DG Maxton, J Heald, 351 PJ Whorwell, NY Haboubi

355 Longterm treatment of irritable bowel syndrome with cimetropium bromide: a double blind placebo controlled clinical trial G Dobrilla, B P Imbimbo, L Piazzi, G Bensi

Case reports

- 359 Bismuth induced encephalopathy caused by tripotassium dicitrato bismuthate in a patient with chronic renal failure RJ Playford, CH Matthews, MJ Campbell, HT Delves, KK Hla, HJ F Hodgson, J Calam
- 361 Systemic AA amyloidosis induced by liver cell adenoma P Fievet, H Sevestre, M Boudjelal, L H Noel, F Kemeny, D Franco, J Delamarre, J P Capron
- 364 Letter to the editor · Notes

No 4 APRIL 1990

Leading articles

- 365 Vasodilatation associated with hepatocellular disease: relation to functional organ failure Sheila Sherlock
- 368 Intraoperative abdominal ultrasound R M Charnley, J D Hardcastle

Alimentary tract

- 370 Predictive value of oesophageal pH variables in children with gastro-oesophageal reflux DJ Colson, CA Campbell, VA Wright, BW Watson
- 374 Reproducibility of continuous 24 hour oesophageal pH monitoring in infants and children Y Vandenplas, R Helven, H Goyvaerts, L Sacré
- 378 Mucosal immunodeficiency in smokers, and in patients with epithelial head and neck tumours JR Barton, MA Riad, MN Gaze, AGD Maran, Anne Ferguson
- 383 Histamine containing endocrine cells in the human stomach H Lönroth, R Hākanson, L Lundell, F Sundler
- 389 Effect of repeated colloidal bismuth subcitrate treatment on the response of the rat gastric mucosa to the presence of luminal ethanol S M Hinsull, D Bellamy
- 397 Inhibition of nocturnal acidity is important but not essential for duodenal ulcer healing G Bianchi Porro, F Parente, O Sangaletti
- 401 Dyspepsia in England and Scotland R H Jones, S E Lydeard, F D R Hobbs, J E Kenkre, E I Williams, S J Jones, J A Repper, J L Caldow, W M B Dunwoodie, J M Bottomley
- 406 Kinetics of enteroendocrine cells with implications for their origin: a study of the cholecystokinin and gastric subpopulations combining tritiated thymidine labelling with immunocytochemistry in the mouse EM Thompson, YE Price, NA Wright
- 412 Stimulation of glycoprotein and protein synthesis in isolated pig gastric mucosal cells by prostaglandins H-K Heim, A Oestmann, K-Fr Sewing
- 417 Regulation of polyethylene glycol 400 intestinal permeability by endogenous and exogenous prostanoids. Influence of non-steroidal anti-inflammatory drugs P Krugliak, D Hollander, K Le, T Ma, V D Dadufalza, K D Katz
- 422 Effect of diet and age on jejunal and circulating lymphocyte subsets in children with coeliac disease: persistence of CD-4-8- intraepithelial T cells through treatment MA Verkasalo, A Arató, E Savilahti, V-M Tainio
- 426 Ulcerative colitis: one disease or two? (Quantitative histological differences between distal and extensive disease) D Jenkins, A Goodall, B B Scott
- 431 Agalactosyl IgG in inflammatory bowel disease: correlation with C-reactive protein R Dubé, G A W Rook, J Steele, R Brealey, R Dwek, T Rademacher, J Lennard-Jones
- 435 Effect of ingestion of fat on ileostomy effluent SE Higham, NW Read
- 439 Schistosomal colonic disease Abdel Rahman El-Shiekh Mohamed, Mohamed Ali Al Karawi, Mohamed Ismail Yasawy
- 443 Colonic capacitance and transit in man: modulation by luminal contents and drugs PS Kamath, SF Phillips, MKO'Connor, ML Brown, AR Zinsmeister
- 450 Effect of coffee on distal colon function SR Brown, PA Cann, NW Read
- 454 15N-urea metabolism in the functioning human colon: luminal hydrolysis and mucosal permeability BJ Moran, A A Jackson
- 458 Anorectal manometry in irritable bowel syndrome: differences between diarrhoea and constipation predominant subjects A Prior, D G Maxton, P J Whorwell

Liver, biliary, and pancreas

- 463 Study of human liver disease with P-31 magnetic resonance spectroscopy R Oberhaensli, B Rajagopalan, G J Galloway, D J Taylor, G K Radda
- 468 Liver histology and follow up of 68 patients with ulcerative colitis and normal liver function tests U Broomé, H Glaumann, R Hultcrantz

Case report

- 473 Cancer in an ileoanal reservoir: a new late complication? H Stern, S Walfisch, B Mullen, R McLeod, Z Cohen
- 476 Effect of colloidal bismuth subcitrate on symptoms and gastric histology in non-ulcer dyspepsia. A double blind placebo controlled study JY Kang, HH Tay, A Wee, R Guan, MV Math, I Yap
- 481 Book reviews · Letters to the editor · Notes
- A486 Pancreatic Society of Great Britain and Ireland

No 5 MAY 1990

Birthday tribute

489 Sir Francis Avery Jones at 80

Leading articles

- 494 Cancer of the pancreas DC Carter
- 497 Understanding the molecular basis of coeliac disease MF Kagnoff

Alimentary tract

- 500 Abnormal gastric adaptive relaxation in patients with gastrooesophageal reflux MN Hartley, SJ Walker, CR Mackie
- Value of a centralised approach in the management of haematemesis and melaena: experience in a district general hospital RAE Holman, M Davis, KR Gough, P Gartell, D C Britton, RB Smith
- Double blind comparison of omeprazole (40 mg od) versus cimetidine (400 mg qd) in the treatment of symptomatic erosive reflux oesophagitis, assessed endoscopically, histologically and by 24 h pH monitoring TCB Dehn, HA Shepherd, D Colin-Jones, MGW Kettlewell, NJ H Carroll
- 514 Abolition by omeprazole of aspirin induced gastric mucosal injury in man TK Daneshmend, A G Stein, N K Bhaskar, CJ Hawkey
- Effect of simulated intragastric haemorrhage on gastric acid secretion, gastric motility, and serum gastrin G M Fullarton, E J S Boyd, G P Crean, T E Hilditch, K E L McColl

- 522 Inappropriate hypergastrinaemia in asymptomatic healthy subjects infected with Helicobacter pylori 3 T L Smith, R E Pounder, C U Nwokolo, S Lanzon-Miller, D G Evans, D Y Graham, D J Evans (Jr)
- 526 Psychogenic vomiting: the relation between patterns of vomiting and psychiatric diagnoses M Muraoka, K Mine, K Matsumoto, Y Nakai, T Nakagawa
- 529 T-cellular immune reactions (in macrophage inhibition factor assay) against Mycobacterium paratuberculosis, Mycobacterium kansasii, Mycobacterium tuberculosis, Mycobacterium avium in patients with chronic inflammatory bowel disease CA Seldenrijk, HA Drexhage, SGM Meuwissen, CJLM Meijer
- Antibody to selected strains of Saccharomyces cerevisiae (baker's and brewer's yeast) and Candida albicans in Crohn's 536 disease H McKenzie, J Main, C R Pennington, D Parratt
- Dietary fish oil reduces progression of chronic inflammatory lesions in a rat model of granulomatous colitis \(\mathcal{T}\) \(Vilaseca, \) 539 A Salas, F Guarner, R Rodriguez, M Martinez, J-R Malagelada
- Major histocompatibility complex class II antigen (HLA-DR) expression by ileal epithelial cells in patients with 545 seronegative spondylarthropathy C Cuvelier, H Mielants, M De Vos, E Veys, H Roels

- Role of computed tomography and endoscopy in the management of alimentary tract lipomas JY Kang, 550 C Chan-Wilde, A Wee, R Chew, T K Ti
- Focal nodular hyperplasia of the liver associated with intracranial vascular malformations RD Goldin, DSC Rose
- 556
- Severe hepatitis caused by cyproterone acetate \$\(\mathcal{T} C \) Blake, A M Sawyer, \(\mathcal{J} S \) Dooley, P \(\mathcal{J} S \) Cheur, N McIntyre

 Villous adenoma of the common hepatic duct: the role of ultrasound in management \(P E \) Jennings, \(\mathcal{J} Rode, A Coral, \) 558 7 Dowsett, WR Lees
- $Pancreatic pseudocyst causing portal vein thrombosis and pancreatico-pleural fistula \\ PAMcCormick, NChronos, \\$ 561 A K Burroughs, N McIntyre, J E McLaughlin

- Guide wire distance marks for oesophageal dilatation DG Maxton 564
- 565 Use of a modified angioplasty balloon catheter in the dilatation of tight biliary strictures KJM Rao, H Blake,

Progress reports

- Interactions between gall bladder bile and mucosa; relevance to gall stone formation MR Jacyna 568
- 571 Biliary motility PA Grace, GJ Poston, RCN Williamson
- 583 Letters to the editor · Books · Note
- A589 **British Society of Gastroenterology**

No 6 IUNE 1990

Leading article

Pathogenesis of chronic pancreatitis H Sarles, J P Bernard, L Gullo 629

Alimentary tract

- Reflux patterns and related oesophageal motor activity in gastro-oesophageal reflux disease S Kruse-Anderson, 633 L Wallin, T Madsen
- $Control \ of \ belching \ by \ the \ lower \ oesophageal \ sphincter \qquad \textit{\mathcal{J} B Wyman, \mathcal{J} Dent, R Heddle, W \mathcal{J} Dodds, \mathcal{J} Toouli, \mathcal{J} Downton }$ 639
- Relation between T cell number of epithelial HLA class II expression quantified by image analysis in normal and inflamed human gastric mucosa KValnes, HS Huitfeldt, P Brandtzaeg
- Double blind comparative study of omeprazole and ranitidine in patients with duodenal or gastric ulcer: a multicentre trial Cooperative Study Group
- 657 Elimination of high titre HIV from fibreoptic endoscopes PJV Hanson, D Gor, DJ Jeffries, JV Collins
- Delayed stomach to caecum transit time in the diabetic rat. Possible role of hyperglucagonaemia 3 Chesta, 660 E S Debham, S K S Srai, O Epstein
- HLA-DP and coeliac disease: family and population studies C Caffrey, G A Hitman, MJ Niven, PG Cassell, P Kumar, 663 L Fry, P Mackintosh, R Gallagher, C Feighery, D Weir, J A Sachs 668
- Cellular hypersensitivity to a synthetic dodecapeptide derived from human adenovirus 12 which resembles a sequence of A-gliadin in patients with coeliac disease GJ Mantzaris, J A Karagiannis, J D Priddle, D P Jewell
- Effect of the immune modulating agents cyclophosphamide, methotrexate, hydrocortisone, and cyclosporin A on an 674 animal model of granulomatous bowel disease I C Mitchell, J L Turk
- Alternative pathways for hydrogen disposal during fermentation in the human colon GR Gibson, JH Cummings, 679 G T Macfarlane, C Allison, I Segal, H H Vorster, A R P Walker
- 684 Comparative study of hydrogen and methane production in the human colon using caecal and faecal homogenates B Flourié, F Etanchaud, C Florent, P Pellier, Y Bouchnik, J-C Rambaud
- Role of interleukin 1 in inflammatory bowel disease enhanced production during active disease M Ligumsky, 686 PL Simon, F Karmeli, D Rachmilewitz

Liver, biliary, and pancreas

- Soluble interleukin 2 receptors in autoimmune chronic active hepatitis A Lobo-Yeo, G Mieli-Vergani, A P Mowat, 690 D Vergani
- Relation between zinc status and hepatic functional reserve in patients with liver disease HF Goode, J Kelleher, 694 B E Walker
- Bile duct antibodies crossreacting with blood group antigens in primary sclerosing cholangitis GP Jeffrey, 698 NR Swanson, LJ Yarred, WD Reed
- Successful use of vancomycin hydrochloride in the treatment of lactulose resistant chronic hepatic encephalopathy 702 K Tarao, T Ikeda, K Hayashi, A Sakurai, T Okada, T Ito, H Karube, T Nomoto, T Mizuno, K Shindo
- Hepatic alcohol dehydrogenase activity in alcoholic subjects with and without liver disease F Vidal, J Perez, 707 J Morancho, B Pinto, C Richart

- Review of methods for measuring gliadins in food PD Howdle, MS Losowsky 712
- 714 Case reports · Letters to the editor · Book reviews · Notes

No 7 IULY 1990

Leading articles

- Practical advice for the gastroenterologist dealing with symptomatic HIV disease BG Gazzard 733
- 736 Nutcracker, neurosis, or sampling bias? R M Valori

Ambulatory 24 hour intraoesophageal pH and pressure recordings v provocation tests in the diagnosis of chest pain of oesophageal origin G Ghillebert, J Janssens, G Vantrappen, F Nevens, J Piessens

- 745 Omeprazole in the treatment of erosive oesophagitis refractory to high dose cimetidine and ranitidine KD Bardhan, Pamela Morris, Mary Thompson, DS Dhande, RFC Hinchliffe, RB Jones, MJ Daly, NJ H Carroll
- 750 What does radiotherapy add to survival over endoscopic intubation alone in inoperable squamous cell oesophageal cancer? SE Oliver, CS Robertson, RFA Logan, M Sokal, JCG Pearson, M Atkinson
- 753 Heat probe thermocoagulation and pure alcohol injection in massive peptic ulcer haemorrhage: a prospective, randomised controlled trial HJ Lin, FY Lee, WM Kang, YT Tsai, SD Lee, CH Lee
- Predictors of duodenal ulcer healing during treatment with cimetidine M Okado, T Yao, K Maeda, T Yamamoto, K Saigenji, Y Okada, K Sakamoto, K Tanaka
- Is antral gastrin important in the resistance of duodenal ulcers to H_2 receptor antagonists or in recurrent ulceration after highly selective vagotomy? JN Primrose, KS Naik, RL Blackett, RFGJKing, JHM Holmfield, ML Lagopolous, 763 D 7ohnston
- Gastric emptying in patients with fundal gastritis and gastric cancer M Tatsuta, H Iishi, S Okuda
- 770 Effects of an enteric anaerobic bacterial culture supernatant and deoxycholate on intestinal calcium absorption and disaccharidase activity K Walshe, MJ Healy, ABJ Speekenbrink, CT Keane, DG Weir, RR O'Moore
- Treatment of non-steroidal anti-inflammatory drug induced enteropathy I Bjarnason, N Hopkinson, G Zanelli, P Prouse, 777 P Smethurst, J M Gumpel, A J Levi
- Enterotoxins from Clostridium difficile; diarrhoeogenic potency and morphological effects in the rat intestine 7 Torres. 781 E Jennische, S Lange, I Lönnroth
- 786 Role of reactive oxygen metabolites in experimental colitis A Keshavarzian, G Morgan, S Sedghi, J H Gordon, M Doria
- Histamine release from gut mast cells from patients with inflammatory bowel diseases H Nolte, N Spjeldnaes, A Kruse, 791 R Windelborg
- 795 Plasma interleukin-2 and a soluble/shed interleukin-2 receptor in serum of patients with Crohn's disease. Effect of cyclosporin J Brynskov, N Tvede
- 800 Precancer and cancer in extensive ulcerative colitis: findings among 401 patients over 22 years JE Lennard-Jones, D M Melville, B C Morson, J K Ritchie, C B Williams
- 807 Eicosanoid profile of healing colon anastomosis and peritoneal macrophages in the rat A C van der Ham, W J Kort, A M Bijma, F J Zijlstra, M A Vermeer, J Jeekel
- 812
- Correction Abnormal gastric adaptive relaxation in patients with gastrooesophageal reflux MN Hartley, SJ Walker, 799

Liver, biliary, and pancreas

- Enhanced intestinal glucose and alanine transport in cystic fibrosis P Baxter, J Goldhill, J Hardcastle, P T Hardcastle, 817 C 7 Taylor
- Pancreatitis after sphincter of Oddi manometry P Rolny, B Anderberg, I Ihse, E Lindström, G Olaison, A Arvill 821
- Sucralfate in the treatment and prevention of gastric ulcer: multicentre double blind placebo controlled study 825 A L Blum, H Bethge, J Ch Bode, W Domschke, G Feurle, K Hackenberg, B Hammer, W Hüttemann, M Jung, G Kachel, H Kaess, B C Manegold, P Peter, T Pfleiderer, H G Rohner, U Rasenack, R Sanwald, G A Stalder, 3-3 Vallotton
- 831 Case reports · Letters to the editor · Note

No 8 AUGUST 1990

Leading article

841 Gamma/delta T cells in the gut epithelium J Viney, T T MacDonald, J Spencer

- Spontaneous intramural rupture of the oesophagus C Steadman, P Kerlin, F Crimmins, J Bell, D Robinson, 845 L Dorrington, A McIntyre
- Helicobacter pylori and gastritis in patients with peptic ulcer and non-ulcer dyspepsia: ethnic differences in Singapore 850 J Y Kang, A Wee, M V Math, R Guan, H H Tay, I Yap, I H Sutherland
- 254 Age of onset symptoms in duodenal and gastric ulcer $\mathcal{J}YKang$
- 858 Quantitative histological study of mucosal inflammatory cell densities in endoscopic duodenal biopsy specimens from dyspeptic patients using computer linked image analysis \$\mathcal{J}SACollins, PWHamilton, PCHWatt, \hat{J}MSloan,\$ A H G Love
- 862 Quantitative relation between gastric acid secretion and changes in urinary acid secretion CDJohnson, PA Harris,
- Swallowed button batteries: is there a consensus on management? JGN Studley, IP Linehan, AL Ogilvie, 867
- Absence of a gastrin inhibitory factor in the IgG fraction of serum from patients with pernicious anaemia 3TL Smith, A Garner, S E Hampson, R E Pounder
- Relation between flow-pressure-diameter studies in experimental stenosis of rabbit and human small bowel P Morel, J Alexander-Williams, A Rohner
- 879 Jejunal bacterial overgrowth and intestinal permeability in children with immunodeficiency syndromes C Pignata, G Budillon, G Monaco, E Nani, R Cuomo, G Parrilli, F Ciccimarra
- Small bowel enema in non-responsive coeliac disease N Mike, U Udeshi, P Asquith, J Ferrando 883
- Investigation of seemingly pathogen-negative diarrhoea in patients infected with HIV 1 GM Connolly, A Forbes, 886 R G Gazzard
- Binding of proteolytically-degraded human colonic mucin glycoproteins to the Gal/GalNAc adherence lectin of 890 Entamoeba histolytica K Chadee, C Ndarathi, K Keller
- Changes in rectal sensitivity after hypnotherapy in patients with irritable bowel syndrome Alison Prior, S M Colgan, 896 P 7 Whorwell

Liver, biliary, and pancreas

- 899 Studies with the haeme oxygenase inhibitor Sn-protoporphyrin in patients with primary biliary cirrhosis and idiopathic
- haemochromatosis L Berglund, B Angelin, R Hultcrantz, K Einarsson, L Emtestam, G Drummond, A Kappas Needle knife papillotomy: how safe and how effective? J F Dowsett, A A Polydorou, D Vaira, L M D'Anna, M Ashraf, 905 J Croker, P R Salmon, R C G Russell, A R W Hatfield
- 909
- Glutathione S-transferases in alcoholic liver disease DJ Harrison, L May, P C Hayes, M M Haque, J D Hayes Clogging of biliary endoprostheses: a new perspective PPLO Coene, A K Groen, J Cheng, M M J Out, G N J Tytgat, 913 K Huibregtse
- Effects of ursodeoxycholic acid treatment on nutrition and liver function in patients with cystic fibrosis and longstanding 918 cholestasis J Cotting, MJ Lentze, J Reichen
- 922 Gall stone dissolution with methyl tert-butyl ether; how to avoid complications A Hellstern, M Leuschner, H Frenk, H W Dillinger, W Caspary, U Leuschner
- Caerulein induced plasma amino acid decrease: a simple, sensitive, and specific test of pancreatic function L Gullo, 926 R Pezzilli, M Ventrucci, L Barbara

- 930 Ultrasonically guided histological and cytological fine needle biopsies of the pancreas. Reliability and reproducibility of diagnoses A Glenthøj, M Sehested, S Torp-Pedersen
- 934 Camostate (FOY-305) improves the therapeutic effect of peritoneal lavage on taurocholate induced pancreatitis U Leonhardt, F Seidensticker, M Fussek, F Stöckmann, W Creutzfeldt

Hypothesis

Tumour necrosis factor, cholestatic jaundice, and chronic liver disease A Jones, PJ Selby, C Viner, S Hobbs, M E Gore, TJ McElwain

Review article

- 940 Helicobacter pylori: bridging the credibility gap AW McKinlay, R Upadhyay, C G Gemmell, R I Russell
- 946 Case reports · Letters to the editor · Notes

No 9 SEPTEMBER 1990

Leading article

961 Are the inflammatory bowel diseases autoimmune disorders? 7 Snook

Alimentary tract

- 964 Evaluation of the magnitude of gastro-oesophageal reflux in Barrett's oesophagus P Parrilla, A Ortiz, L F Martinez de Haro, J L Aguayo, P Ramirez
- 968 Comparison of omeprazole and cimetidine in reflux oesophagitis: symptomatic, endoscopic, and histological evaluations CM Bate, PW N Keeling, CO'Morain, SP Wilkinson, DN Foster, RA Mountford, JM Temperley, RF Harvey, DG Thompson, M Davis, IC Forgacs, KS Bassett, PD I Richardson
- 973 Reduction of gastric ulcer recurrence after suppression of Helicobacter pylori by cefixime M Tatsuta, H Ishikawa, H Ishi, S Okuda, Y Yokota
- 977 High grade dysplasia of the gastric mucosa: a marker for gastric carcinoma M Lansdown, P Quirke, M F Dixon, A T R Axon, D Johnson
- 984 Myoelectrical activity of the Billroth II gastric remnant HM Schaap, AJPM Smout, LMA Akkermans
- 989 Towards a true prevalence of peptic ulcer: the Sørreisa gastrointestinal disorder study B Bernersen, R Johnsen, B Straume, P G Burhol, T G Jenssen, P A Stakkevold
- 993 Duodenal ulcer and refined carbohydrate intake: a case-control study assessing dietary fibre and refined sugar intake Bettina D Katschinski, R F A Logan, Margaret Edmond, M J S Langman
- 997 Duodenal ulcer is associated with low dietary linoleic acid intake HW Grant, KR Palmer, RR Riermesma, MF Oliver
- 999 Adjuvant antibiotic therapy in doudenal ulcers treated with colloidal bismuth subcitrate TO'Riordan, E Mathai, E Tobin, D McKenna, C Keane, E Sweeney, C O'Morain
- 1003 Human migrating myoelectric complex in relation to gastrointestinal transit of a meal J. Madsen, K. Dahl
- 1006 Acute hypervolaemia increases gastroduodenal resistance to the flow of liquid in the rat J Xavier-Neto, A A dos Santos, F H Rola
- 1011 Involvement of M cells in the bacterial invasion of Peyer's patches: a common mechanism shared by Yersinia enterocolitica and other enteroinvasive bacteria A Grützkau, C Hanski, H Hahn, E O Riecken
- 1016 Circulating antibodies against human colonic extract enriched with a 40 kDa protein in patients with ulcerative colitis F Takahasi, H S Shah, L S Wise, K M Das
- 1021 Effect of ulcerative colitis and smoking on rectal blood flow ED Srivastava, MAH Russell, CFeyerabend, J Rhodes
- 1025 Daytime reduction of gastro-oesophageal reflux after healing of oesophagitis and its value as an indicator of favourable response to maintenance treatment F Pace, O Sangaletti, G Bianchi Porro
- Inhibition of cell mediated cytotoxicity by sulphasalazine: effect of in vivo treatment with 5-aminosalicylic acid and sulphasalazine on in vitro natural killer cell activity MN Aparicio-Pagés, HW Verspaget, JCM Hafkenscheid, GE Crama-Bohbouth, AS Peña, IT Weterman, CBHW Lamers
- 1033 Soluble interleukin-2 receptor in Crohn's disease: relation of serum concentrations to disease activity JE Crabtree, L D Juby, R V Heatley, A J Lobo, D W Bullimore, A T R Axon
- 1037 Occupational distribution of inflammatory bowel disease among German employees A Sonnenberg
- 1041 Low diacylglycerol values in colonic adenomas and colorectal cancer G Sauter, A Nerlich, U Spengler, R Kopp, A Pfeiffer
- 1046 Characteristics of cholinergic neuroeffector transmission of ganglionic and aganglionic colon in Hirschsprung's disease ES Vizi, J Zséli, E Kontor, E Feher, T Verebélyi
- 1051 Use of the pudendo-anal reflex in the treatment of neurogenic faecal incontinence NR Binnie, BM Kawimbe, M Papachrysostomou, A N Smith
- 1056 Relation between rectal sensation and anal function in normal subjects and patients with faecal incontinence WM Sun, NW Read, PB Miner
- 1062 Inter- and intraindividual variation in pressure-volume relations of the rectum in normal subjects and patients with the irritable bowel syndrome GPN Kendall, DG Thompson, SJ Day, JE Lennard-Jones

Liver, biliary, and pancreas

- 1069 Referral of patients with primary biliary cirrhosis for liver transplantation J M Neuberger, Bridget K Gunson, J A C Buckels, E Elias, P McMaster
- Pancreatic duct abnormalities in gall stone disease: an endoscopic retrograde cholangiopancreatographic study S P Misra, P Gulati, V Choudhary, B S Anand
- 1076 Pancreatic function in Crohn's disease J Hegnhøj, C P Hansen, T Rannem, Heidi Søbirk, Lykke Bjerglund Andersen, J R Andersen
- 1080 Case reports · BSG Presidents · Letters to the editor · Notes

No 10 OCTOBER 1990

Leading article

1089 Screening for colorectal cancer in ulcerative colitis: dubious benefits and high costs Sylvia Gyde

Alimentary tract

- 1093 Gastroduodenal mucosa in uraemia: endoscopic and histological correlation and prevalence of helicobacter-like organisms A Wee, J Y Kang, M S Ho, H L Choong, A Y T Wu, I H Sutherland
- 1097 Variants of intestinal metaplasia in the evolution of chronic atrophic gastritis and gastric ulcer. A follow up study S Silva, M I Filipe, A Pinho
- 1105 Development of gastric dysplasia in pernicious anaemia: a clinical and endoscopic follow up study of 80 patients U Armbrecht, R W Stockbrügger, J Rode, G G Menon, P B Cotton
- 1110 Piezoelectric lithotripsy and soft tissue injury. Safety limits in the experimental and clinical setting A Darzi, I Reid, Elaine Kay, J R T Monson, W A Tanner, F B V Keane

- 1115 Evaluation of the efficacy of oral rehydration solutions using human whole gut perfusion DDK Rolston, S N Zinzuvadia, V I Mathan
- 1120 Experience with a gastrointestinal marker (51CrCl₃) in a combined study of ileal function using 75SeHCAT and 58CoB₁₂ measured by whole body counting T Smith, I Bjarnason
- 1126 Characteristics of lipid substances activating the ileal brake in the rat NJ Brown, NW Read, A Richardson, RDE Rumsey, C Bogentoft
- 1130 Symptoms and investigative findings in 145 patients with tuberculous peritonitis diagnosed by peritoneoscopy and biopsy over a five year period A Manohar, A E Simjee, A A Haffejee, K E Pettengell
- 1133 Ten years' experience with an elemental diet in the management of Crohn's disease Kathy Teahon, I Bjarnason, Morag Pearson, AJ Levi

Liver, biliary, and pancreas

- 1138 Oxygen free radicals in acute pancreatitis of the rat M H Schoenberg, M Büchler, M Gaspar, A Stinner, M Younes, I Melzner, B Bültmann, H G Beger
- Pancreaticobiliary ductal union S P Misra, M Dwivedi

- 1150 Future needs for ERCP: incidence of conditions leading to bile duct obstruction and requirements for diagnostic and therapeutic biliary procedures MWL Gear, NA Dent, DG Colin-Jones, JH Lennard-Jones, JRT Colley Case reports
- 1156 Defective jejunal brush border membrane sodium/proton exchange is association with lethal familial protracted diarrhoea KM Keller, S Wirth, W Baumann, D Sule, I W Booth
- 1159 Severe thrombocytopenia after paracetamol overdose 3 R Thornton, M S Losowsky
- 1161 Letters to the editor · Notes
- A1162 **British Society of Gastroenterology**

No 11 NOVEMBER 1990

Leading articles

- 1217 Carcinoma of the gastric stump: risks and pathogenesis TC Northfield, CN Hall
- 1220 Bulimia nervosa and a stepped care approach to management CGFairburn, RCPeveler

Alimentary tract

- 1223 Epstein-Barr virus associated oesophageal ulcers in AIDS VS Kitchen, M Helbert, N D Francis, R P H Logan, FA Lewis, A W Boylston, A J Pinching, J R W Harris
- 1226 Effect of incorporating fat into a liquid test meal on the relation between intragastric distribution and gastric emptying in human volunteers L A Houghton, Y F Mangnall, N W Read
- 1230 Relation of Helicobacter pylori to the human gastric mucosa in chronic gastritis of the antrum LL Thomsen, JB Gavin, C Tasman-Jones
- 1237 Evaluation of ¹³C-urea breath test in the detection of Helicobacter pylori and in monitoring the effect of tripotassium dicitratobismuthate in non-ulcer dyspepsia S Dill, JJ Payne-James, JJ Misiewicz, GK Grimble, D McSwiggan, K Pathak, A J Wood, C M Scrimgeour, M J Rennie
- Paf-acether synthesis by Helicobacter pylori Y Denizot, I Sobhani, J-C Rambaud, M Lewin, Y Thomas, J Benveniste 1242
- 1246 Use of automatic computerised pump to maintain constant intragastric pH A Hannan, I Chesner, H S Merki, S Mann,
- Cathepsins D and E in normal, metaplastic, dysplastic, and carcinomatous gastric tissue: an immunohistochemical study T Saku, H Sakai, N Tsuda, H Okabe, Y Kato, K Yamamoto 1250
- 1256 Modulation of fluid absorption and the secretory response of rat jejunum to cholera toxin by dietary fat FA Sagher, J A Dodge, R Moore, C McMaster, G McCaughey
 Crohn's disease in the city of Derby, 1951-85 I W Fellows, J G Freeman, G K T Holmes
- 1262
- 1266 Microspectrophotometric DNA analysis in ulcerative colitis with special reference to its application in diagnosis of carcinoma and dysplasia KSuzuki, TMuto, TMasaki, YMorioka
- 1271 Disposition of 5-aminosalicylic acid by olsalazine and three mesalazine preparations in patients with ulcerative colitis: comparison of intraluminal colonic concentrations, serum values, and urinary excretion L Staerk Laursen, M Stokholm, K Bukhave, J Rask-Madsen, K Lauritsen
- 1277 Efficiency of enteral nitrogen support in surgical patients: small peptides v non-degraded proteins F Ziegler, J M Ollivier, L Cynober, J P Masini, C Coudray-Lucas, E Levy, J Giboudeau
- 1284 Evidence for motor neuropathy and reduced filling of the rectum in chronic intractable constipation D 7 Waldron. D Kumar, R I Hallan, D L Wingate, N S Williams
- 1289 Concordance between colonic myoelectrical signals recorded with intramuscular electrodes in the human rectosigmoid in vivo E A Wegman, S C Gandevia, A M Aniss
- Role of upper gastrointestinal investigations in a screening study for colorectal neoplasia WM Thomas, JD Hardcastle 1294 Liver, biliary, and pancreas
- 1298 Incidence of large oesophageal varices in patients with cirrhosis: application to prophylaxis of first bleeding P Calès, H Desmorat, J P Vinel, J P Caucanas, A Ravaud, P Gerin, P Brouet, J P Pascal
- 1303 Role of ultrasound guided fine needle aspiration biopsy in the diagnosis of hepatocellular carcinoma G Sbolli, F Fornari, G Civardi, M Di Stasi, L Cavanna, E Buscarini, L Buscarini
- Effect of secretin on portal venous flow L Bolondi, S Gaiani, S Li Bassi, G Zironi, P Casanova, L Barbara
- 1311 Lipid peroxidation and hepatic antioxidants in alcoholic liver disease RD Situnayake, BJ Crump, DI Thurnham, J A Davies, J Gearty, M Davis
- 1318 Pancreatic secretory trypsin inhibitor in gastrointestinal mucosa and gastric juice TC Freeman, RJ Playford, C Quinn, K Beardshall, L Poulter, J Young, J Calam
- 1324 Monitoring enzyme replacement treatment in exocrine pancreatic insufficiency using the cholesteryl octanoate breath test S Mundlos, P Kühnelt, G Adler
- 1329 Case reports \cdot Letters to the editor \cdot Book reviews \cdot Note

No 12 DECEMBER 1990

Leading article

1339 Palliation of malignant obstructive jaundice - surgery or stent? A R W Hatfield

Alimentary tract

- 1341 Appraisal of gut lavage in the study of intestinal humoral immunity SO'Mahony, JR Barton, S Crichton, A Ferguson
- 1345 Jejunal immunoglobulin and antigliadin antibody secretion in adult coeliac disease JF Colombel, F Mascart-Lemone, J Nemeth, J P Vaerman, C Dive, J C Rambaud

- 1350 Effect of vasoactive intestinal peptide on cyclic adenosine monophosphate production in enterocytes isolated from human duodenal biopsy specimens J A Smith, M Griffin, S E Mireylees, R G Long
- 1355 Gastrointestinal intraluminal pH in normal subjects and those with colorectal adenoma or carcinoma GPye, DF Evans, S Ledingham, J D Hardcastle
- 1358 Experimental non-steroidal anti-inflammatory drug-induced enteropathy in the rat: similarities to inflammatory bowel disease and effect of thromboxane synthetase inhibitors AK Banerjee, TJ Peters
- Differential expression of CD25 (interleukin-2 receptor) on lamina propria T cells and macrophages in the intestinal 1365 lesions in Crohn's disease and ulcerative colitis MY Choy, J A Walker-Smith, C B Williams, T T MacDonald
- 1371 In vitro anticolon antibody production by mucosal or peripheral blood lymphocytes from patients with ulcerative colitis T Hibi, M Ohara, K Toda, A Hara, H Ogata, Y Iwao, N Watanabe, M Watanabe, Y Hamada, K Kobayashi, S Aiso, M Tsuchiva
- Inflammatory bowel disease and tobacco smoke a case-control study P-G Persson, A Ahlbom, G Hellers Rectal mucosal dysplasia in Crohn's disease B I Korelitz, G Y Lauwers, S C Sommers 1377
- 1382
- Mortality and causes of death in Crohn's disease. Review of 50 years' experience in Leiden University Hospital 1387 Irene T Weterman, I Biemond, A S Peña
- 1391 Short chain fatty acids dilate isolated human colonic resistance arteries FV Mortensen, H Nielsen, MJ Mulvany,
- 1395 Efficacy of biofeedback training in improving faecal incontinence and anorectal physiologic function V Loening-Baucke

Liver, biliary, and pancreas

- 1403 Effects of lactulose and lactitol on protein digestion and metabolism in conventional and germ free animal models: relevance of the results to their use in the treatment of portosystemic encephalopathy Susan P Bird, D Hewitt, B Ratcliffe, M I Gurr
- Comparison of gall bladder bile and endoscopically obtained duodenal bile P Janowitz, W Swobodnik, J G Wechsler, 1407 A Zöller, K Kuhn, H Ditschuneit
- Ethanol in pancreatic juice after oral and intravenous administration I Gjørup, S Dueholm, B Andersen, F Burcharth 1411
- Case reports · Letters to the editor 1414
- General index to volume 31 1425