EDITORIAL COMMITTEE

Wilfrid Card Edward R, Cullinan

Sir Charles Dodds

Henry T. Howat

Thomas Hunt

Andrew W. Kay

C. Naunton Morgan Harold Rodgers S. Cochrane Shanks Norman C. Tanner Geoffrey Watkinson

H. A. Magnus

Editor, British Medical Journal

Harold C. Edwards, Editor

F. Avery Jones, Editorial Secretary

EDITORIAL NOTICES

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

There will be a section devoted to short papers on laboratory and surgical techniques and methods of investigation where these are not part of a larger survey.

Papers should be addressed to the Editorial Secretary, *Gut*, Department of Gastroenterology, Central Middlesex Hospital, Park Royal, London, N.W.10. Papers are accepted on the clear understanding that the subject matter has not been and will not be published in a separate journal.

Manuscripts should be typewritten in double spacing on one side of the paper only and carefully revised, as alterations in print are costly and, apart from verbal corrections, will be charged to the contributor.

Photographs and photomicrographs should be printed on glossy paper; they should be submitted unmounted, and lettering, when required, should be indicated on tracing paper fixed over the print. Drawings and diagrams should be made boldly in black ink, and any lettering lightly inserted in pencil. Photographs of diagrams are rarely satisfactory for reproduction. Legends should be typed on a separate sheet of paper.

References to papers in the text should be made by inserting the name of author followed by year of publication in brackets. At the end of the paper, references should be arranged in alphabetical order of author's name. Such references should give author's name, followed by initials and year of publication in brackets, the title of the article quoted, the name of the journal in which the article appeared, the volume number in arabic numerals, followed by numbers of first and last pages of article. Abbreviations are according to *World Medical Periodicals* (published by B.M.A. for World Medical Association), thus:

Chandler, G. N., Cameron, A. D., Nunn, A. H., and Street, D. F. (1960). Early investigations of haematemesis. Gut, 1, 6-13.

REPRINTS. Fifty reprints will be given to the author or divided among the authors. If desired, further reprints may be obtained by application to the Publishing Manager, B.M.A. House, Tavistock Square, but notice must be given when the proof is returned.

SUBSCRIPTION. £3 net, per annum, post free. Orders, including orders for single copies, should be sent to the Publishing Manager, British Medical Association, B.M.A. House, Tavistock Square, London, W.C.1.

Applications for advertisement space should be directed to the Advertisement Manager, British Medical Association, B.M.A. House, Tavistock Square, London, W.C.1. breaks down and bacterial contamination of the upper small bowel occurs.

Three cases were presented to show that stasis in the afferent limb of a Billroth II anastomosis is a possible cause of bacterial contamination of the upper jejunum. Two of these patients were treated with broad-spectrum antibiotics and responded favourably. Subsequently, bacteriological studies were carried out at operation. It has been suggested (Wirts *et al.*, 1959; Kinsella and Hennessy, 1960) that such cases are examples of the blind loop syndrome. Other possible causes of stasis include obstruction of the efferent loop of a Billroth II

anastomosis and vagotomy. Two additional cases were shown to illustrate this complication.

They further stated that post-gastrectomy steatorrhoea may exist without obvious afferent or efferent loop obstruction. Moreover, although more frequent following the Billroth II operation, steatorrhoea may occur after a Billroth I gastrectomy. With the aid of ¹⁸¹ labelled triolein, the steatorrhoea in the majority of these patients is found to diminish following the use of chemotherapy and antibiotics. It is assumed that the antibacterial mechanism in the small intestine has broken down in such cases but the real reason for this is uncertain.

THE SEPTEMBER (1960) ISSUE

The September (1960) issue contains the following papers:---

Post-gastrectomy Syndromes: A Review. C. F. W. ILLINGWORTH.

- The Use of Cholecystokinin to Test Gall Bladder Function in Man. P. BURTON, A. A. HARPER, HENRY T. HOWAT, J. E. SCOTT, and H. VARLEY.
- Gastric Cytodiagnosis: A Review and Appraisal. D. D. GIBBS.
- An Assessment of Prednisone, Salazopyrin, and Topical Hydrocortisone Hemisuccinate Used as Out-patient Treatment for Ulcerative Colitis. J. E. LENNARD-JONES, A. J. LONGMORE, A. C. NEWELL, C. W. E. WILSON, and F. AVERY JONES.
- A Clinical and Statistical Study of the Effect of Gastrojejunostomy on Human Gastric Secretion. H. I. TANKEL, I. E. GILLESPIE, D. H. CLARK, A. W. KAY, and J. MCARTHUR.
- A Comparison Between the Effects of Hexamethonium and Atropine in Combination and of Vagotomy with Gastrojejunostomy on Human Gastric Secretion. J. MCARTHUR, H. I. TANKEL, and A. W. KAY.
- Massive Resection of the Small Intestine after Occlusion of the Superior Mesenteric Artery. R. J. HARRISON and C. C. BOOTH.
- Factors Influencing the Growth of *Staphylococcus aureus* in the Stomach after Gastric Operations. F. G. SMIDDY and D. PRATT.
- Gastric Activity in the South African European and Bantu. I. MACDONALD.
- Benign Duodeno-colonic Fistula. G. N. CHANDLER and A. J. LONGMORE.
- Surgery in Bleeding Peptic Ulcers. J. N. WARD-MCQUAID, J. C. PEASE, A. MCEWEN SMITH, and R. J. TWORT.
- New Methods for Diagnosis and Research
 - Wireless Telemetering from the Digestive Tract. A. M. CONNELL and E. N. ROWLANDS.

A number of copies are still available and may be obtained from the Publishing Manager, British Medical Association, Tavistock Square, W.C.1, price 17s. 6d.

INDEX TO VOLUME 1. 1960

- A
- ACHESON, E. D.: The distribution of ulcerative colitis and regional enteritis in United States veterans with particular reference to the Jewish religion, 291
- ACHESON, F. K., see JOHNSTON, I. D. A., ACHESON, F. K., and WELBOURN, R. B.
- Achlorhydria, Kay augmented histamine test in, 326
- A.C.T.H. administration, prolonged, in ulcerative colitis and entero-colitis, hormone excretion during, 82
- Adenocarcinoma, intraoesophageal, 351

- Adenoma, endocrine, multiple, syndrome, 71 ———, multiple, syndrome, 83 Adrenal inhibitor (SU 4885), effect of, on gastric secretion in dogs, 345
- Albumin, serum, in assessment of liver function, 303
- Alimentary tract, hormones and, 82
- -, role of liver in histamine absorption from,
- ALSTON, J. M., see STIDOLPH, N. E., and ALSTON, J. M.
- Amylase, serum levels of, after administration of secretin and pancreozymin, 125
- ANDERSON, N., see MCINTOSH, J. W., et al. ANDREW, R.: Oesophageal hiatus hernia, 372
- Aneurysm of splenic artery, 312

- Anticholinergic drugs, effect on gastric secretion, 372 ATKINSON, M., HAPPEY, M. G., and SMIDDY, F. G.: Per-cutaneous transhepatic cholangiography, 357 Atropine and hexamethonium in combination, effects on gastric secretion, 230
 - R
- BALL, P. A. J., and JAMES, A. H.: An abrasive balloon for gastric cytology, 84 Balloon, abrasive, for gastric cytology, 84
- Bananas, serotonin, and diarrhoea, 44
- Bantu, gastric activity in, 248 Barium enema, use of bisacodyl in preparation of bowels for, 175
- BEDFORD, P. D., and LODGE, B.: Aneurysm of the splenic artery, 312 BINGLE, J. P., and LENNARD-JONES, J. E.: Some factors in
- the assessment of gastric antisecretory drugs by a sampling technique, 337
- Bisacodyl, use in preparation of bowels for barium enema, 175
- BLACKBURN, C. R. B.: Fatal liver disease and renal failure,
- Blind loop syndrome, 372
- Blood groups, distribution in peptic ulcer and gastric cancer, 31
- -loss, gastro-intestinal, measured by radioactive chromium, 177
- Bowel disorders, functional, sigmoid motility in, 84
- BREWER, D., see COOKE, W. T., et al.
- British Society of Gastroenterology, annual meeting, 1959, 81

- BROOKES, V. S., WATERHOUSE, J. A. H., and THORN, P. A.: Partial gastrectomy for peptic ulcer, 149 BROWN, J. B., see SIRCUS, W., et al. BROWN, N. J., see NAISH, J. M., CAPPER, W. M., and BROWN, N. J.
- Budd-Chiari syndrome, 84

- BURGE, H.: Post-vagotomy diarrhoea, 84
- BURNETT, W.: An assessment of the value of serum cholinesterase as a liver function test and in the diagnosis of jaundice, 294
- BURTON, P., et al.: Serum amylase and serum lipase levels in man after administration of secretin and pancreozymin, 125
- based on the analysis of duodenal contents after administration of secretin and pancreozymin, 111
- : The use of cholecystokinin to test gall
- bladder function in man, 193 BUTLER, T. J.: Pancreatic response to food following gastrectomy, 82
- : A study of the pancreatic response to food after gastrectomy in man, 55

С

- Caecum, volvulus of, 106
- CALLENDER, S. T., RETIEF, F. P., and WITTS, L. J.: The augmented histamine test with special reference to achlorhydria, 326
- CAMERON, A. D.: Gastro-intestinal blood loss measured by radioactive chromium, 177
- see also Chandler, G. N., et al.
- Cancer, gastric, blood group distribution in, 31 CAPPER, W. M., see NAISH, J. M., CAPPER, W. M., and CAPPER, W. M., see MAISH, J. M., CAFFER, M. M., BROWN, N. J. BROWN, N. J. CARD, W. I., see SIRCUS, W., et al. CHAMBERLAIN, G.: Volvulus of the caecum, 106 CHANDLER, G. N., and LONGMORE, A. J.: Benign duodeno-colonic fistula, 253

- , et al.: Early investigations of haematemesis, 6
- Cholangiography, percutaneous transhepatic, 357
- Cholecystokinin, use of, to test gall bladder function, 193
- Choledochoscopy, 81
- Cholestatic syndrome, acute, 371
- Cholinesterase, serum, value as liver function test and in diagnosis of jaundice, 294
- Chromium, radioactive, gastro-intestinal blood loss measured by, 177
- CLARKE, D. H., see TANKEL, H. I., et al. CLARKE, S. D., NEILL, D. W., and WELBOURN, R. B.: The effects of corticotrophin and corticoids on secretion from denervated gastric pouches in dogs, 36
- -, -, -, -: The effect of cortisone on the maximal secretory response of the stomach to histamine, 85
- : Effects of glucagon on gastric secretion in dog, 146 —, WELBOURN, R. B., and NEILL, D. W.: Effects of
- glucagon on gastric secretion, 83
- see also SMITH, G. A., WELBOURN, R. B., and CLARKE, S. D.
- —, *see also* Welbourn, R. B., Clarke, S. D., and Neill, D. W.
- Coeliac disease: histopathological findings in small intestinal mucosa, 48
- Colitis, ulcerative assessment of prednisone, salazopyrin, and topical hydrocortisone succinate used as out-patient treatment for, 217
- , distinction of Crohn's disease from, 87
- , ____, distribution in U.S. veterans with par-ticular reference to Jews, 291
- administration of A.C.T.H. in, 82 leucine aminopeptidase with special
- reference to, 140

- CONNELL, A. M., and ROWLANDS, E. N.: Manometric study of sigmoid motility in functional bowel disorders, 84 Wireless tele-
- metering from the digestive tract, 266 -, and WILCOX, P. B.: Serotonin, bananas and
- diarrhoea, 44 COOKE, W. T., et al.: Multiple adenoma syndrome, 83
- -: Multiple endocrine adenoma syndrome, 71
- see also FOWLER, D., and COOKE, W. T. Corticoids, e fect on secretion from denervated gastric
- pouches in dogs, 36 Corticosteroids, effect on gastric secretion, 82
- conticostophin, effect on secretion from denervated gastric pouches in dogs, 36
- Cortisone, effect on maximal secretory response to histamine, 85
- COX, E. V., see COOKE, W. T., et al. CREAN, G. P.: The effects of A.C.T.H. and corticosteroids on gastric secretion in humans, 82 , see also SIRCUS, W., et al.
- Crohn's disease of large intestine and its distinction from ulcerative colitis, 87
- Cytodiagnosis, gastric: review and appraisal, 205

D

- d.xylose excretion test, diagnostic significance of, 67 Diarrhoea, effects of serotonin in, 44
- DICKINSON, C. J., HARTOG, M., and SHINER, M.: A report of two cases of Whipple's disease diagnosed by peroral small intestine biopsy, 163 DODGE, O. G.: Intraocsophageal adeno-carcinoma, 351 DOGGART, J. H., see McCREDIE, J. A., DOGGART, J. H., and
- WELBOURN, R. B.
- DOLL, R., SWYNNERTON, B. F., and NEWELL, A. C.: Ob-servations on blood group distribution in peptic ulcer and gastric cancer, 31
- Duodenal ulcers, active excretion of 17-ketosteroids and 17-hydroxycorticosteroids in patients with, 82
- Duodeno-colonic fistula, benign, 253 DUTHIE, H. L., see MCINTOSH, J. W., et al.

E

EDWARDS, H. C.: Foreword, 1

- Electrophoresis, serum protein, patterns in liver disease, 86 Enema, barium, use of bisacodyl in preparation of bowels for, 175
- Enteritis, regional, and its distinction from ulcerative colitis, 87
- -, distribution in U.S. veterans with particular reference to Jews, 291
- Entero-colitis, hormone excretion during prolonged administration of A.C.T.H. in, 82
- EVANS, D. G., see BURTON, P., et al.

F

- FENNELLY, J., see FITZGERALD, O., FITZGERALD, P., and FENNELLY, J.
- Fistula, duodeno-colonic, benign, 253 FITZGERALD, O., FITZGERALD, P., and FENNELLY, J.: Clinical and laboratory considerations in the treatment of chronic pancreatic disease, 81 FITZGERALD, P., see FITZGERALD, O., FITZGERALD, P., and FENNELLY, J. FORREST, A. P. M., see MCINTOSH, J. W., et al. FOTHERBY, K., see SIRCUS, W., et al. FOWLER, D., and COOKE, W. T.: Diagnostic significance of d.xylose excretion test, 67 FOWLER, D. L. see COOVE W. T. et al. and laboratory considerations in the treatment of chronic

- Fowler, D. I., see Cooke, W. T., et al. Framycetin sulphate for intestinal sterilization, 323 FULTON, T. T., see RODGERS, H. W., et al.

Gall bladder function, use of cholecystokinin to test, 193 GALLAGHER, N.: Persistent acute infectious hepatitis as an entity, 371 GADDIE, R., see COOKE, W. T., et al.

- Gastrectomy in rat, 85
- , malabsorption after, 372
 - -, pancreatic response to food after, 55, 82
- -, partial, for peptic ulcer, 149
- , treatment of weight loss after, 85 Gastric activity in South African European and Bantu, 248
- antisecretory drugs, assessment by sampling
- technique, 337
- cytodiagnosis: review and appraisal, 205 operations, factors influencing growth of Staphy-
- lococcus aureus in stomach after, 242 —— pouches, denervated, secretion from, in dogs, effects of corticotrophin and corticoids on, 36
- , preparation of, 85 secretion and maintenance of nutrition in dog, 85 - and pituitary-adrenal axis, 85
- comparison between effects of hexa-
- methonium and atropine in combination and of vagotomy with gastrojejunostomy on, 230
- on, 82 antrojojunostomu on 222

 ,	Million and an and a second second	gastrojejunostomy on, 225
 ,	<u> </u>	glucagon on, in dog, 82, 146
 <u> </u>	·	———— in man, 142

- in dogs, effect of an adrenal inhibitor (SU 4885) on, 345
- search for factors affecting, in thoracic duct lymph in dogs, 83 Gastrin, mode of action of, and action via the release of
- histamine in stomach wall, 83
- Gastroenterological Society of Australia, Proceedings of, 371
- Gastroenterology, heredity in, 273 Gastro-intestinal blood loss measured by radioactive chromium, 177
- Gastrojejunostomy, effect on gastric secretion, 223 with vagotomy, effect on gastric secre-
- tion, 230 Gastroscopy, 84 GEORGE, E. P., see KINSELLA, HENNESSY, W. B., and GEORGE,

- Glucagon, effect on gastric secretion, in dog, 83, 146
- — in man, 142
- GREEN, A. C., see PULVERTAFT, C. N., and GREEN, A. C.

н

- Haematemesis, early investigations of, 6 Haemoperitoneum caused by spontaneous rupture of large bowel, 321

- Haemorrhage, gastrointestinal, in heritable diseases, 371 HAMMOND, E. M., see BURTON, P., et al. HAPPEY, M. G., see ATKINSON, M., HAPPEY, M. G., and SMIDDY, F. G.
- HARPER, A. A., see Burton, P., et al. HARTOG, M., see DICKINSON, C. J., HARTOG, M., and SHINER, M.
- HENBEST, W. B.: Hormones and the alimentary tract, 82 HENNESSY, W. B., see KINSELLA, HENNESSY, W. B., and GEORGE, E. P.
- Hepatic disease, 85
- veins, occlusion of, 86

- Hepatitis, persistent infectious, as an entity, 371 Heredity in gastroenterology, 273 Hernia, hiatus, oesophageal, 372 Hexamethonium and atropine in combination, effect on gastric secretion, 230

- Histamine absorption from alimentary tract, role of liver in, 93
- augmented, test with special reference to achlorhydria, 326
- effect of cortisone on maximal secretory response to, 85
- , release of, in stomach wall, action of gastrin via, 83
- Hormones and the alimentary tract, 82
- excretion during prolonged A.C.T.H. administration in ulcerative colitis and enteo-colitis, 82
- metabolism and the liver, 83
- HOWAT, H. T., see BURTON, P., et al. Howe, C. T.: A case of spontaneous rupture of the normal large bowel causing haemoperitoneum, 321
- HUNT, A. H., and LEHMANN, H.: Serum albumin, pseudocholinesterase, and transaminases in the assessment of liver function before and after venous shunt operations, 303
- HUNT, T.: History of the British Society of Gastro-

- Hurst, Sir Arthur, portrait, 2 Hydrocortisone hemisuccinate, topical, as out-patient treatment for ulcerative colitis, 217
- 17-hydroxycorticosteroids, excretion in patients with active duodenal ulcers, 82
 - I
- ILLINGWORTH, C. F. W.: Post-gastrectomy syndromes, 183 Intestine, large, spontaneous rupture of, causing haemo-peritoneum, 321
- enema technique, 84, 366
- small, volvulus of, in adults, 76
- Intestinal polyposis, familial, clinical and genetic problems in, 285
 - pseudo-obstruction with steatorrhoea, 62
- sterilization, framycetin sulphate for, 323
- Iproniazid, hepatic necrosis due to, 169
- IRVINE, W. T.: The liver's role in histamine absorption from the alimentary tract, 83
 - J
- JAMES, A. H., see BALL, P. A. J., and JAMES, A. H.
- Jaundice, black liver, in family, 372 ———, diagnosis of, value of serum cholinesterase in, 294 Jewish U.S. veterans, ulcerative colitis and regional enteritis in, 291
- JOHNSTON, I. D. A.: A search for factors affecting gastric
- secretion in thoracic duct lymph of dogs, 83 ______, Acheson, F. K., and Welbourn, R. B.: Treatment of weight loss after partial gastrectomy, 85 , and WELBOURN, R. B.: Gastrectomy
- in the rat, 85

 Gastric secretion and the maintenance of nutrition in the dog, 85

- JONES, F. A., see LENNARD-JONES, J. E., et al. JONES, J. E. L., see LENNARD-JONES, J. E.
- JOSKE, R. A.: Acute cholestatic syndrome, 371
- Kay augmented histamine test with special reference to Kay, A. W. See MCARTHUR, J., TANKEL, H. I., and Kay, A. W.
- see also TANKEL, H. I., et al.
- 17-ketosteroids, excretion in patients with active duodenal
- ulcers, 82 KING, W. E., and PHILLIPS, S. F.: Treatment of Wilson's disease with penicillinamine, 371
- KINSELLA, HENNESSY, W. B., and GEORGE, E. P.: Post-gastrectomy malabsorption, 372 KIRKLAND, T.: Black liver jaundice in family, 372

Kyle, J., Neill, D. W., and Welbourn, R. B.: Gastric secretion and the pituitary-adrenal axis, 85

L

- LEHMANN, H., see HUNT, A. H., and LEHMANN, H.
- LENNARD-JONES, J. E., et al.: An assessment of prednisone, salazopyrin, and topical hydrocortisone hemisuccinate used as out-patient treatment for ulcerative colitis, 217 , see also BINGLE, J. P., and LENNARD-
- JONES. J. E. Leucine aminopeptidase with special reference to ulcerative
- colitis, 140 ipase, serum levels of, after administration of secretin and pancreozymin, 125
- Liver disease, fatal, and renal failure, 372
- serum protein electrophoresis patterns in. 86 function, assessment of, before and after venous shunt operations, serum albumin, pseudocholinesterase, and transaminases in, 303
- test, value of serum cholinesterase as, 294
- -, hormone metabolism and. 83
- -, necrosis due to marsilid, 169
- role in histamine absorption from alimentary tract, 83 total arterialization of, 86
- LOCKHART-MUMMERY, H. E., and MORSON, B. C.: Crohn's disease of the large intestine and its distinction from ulcerative colitis, 87
- LODGE, B., see BEDFORD, P. D., and LODGE, B.
- LONGMORE, A. J., see CHANDLER, G. N., and LONGMORE, A. J.
- , see also LENNARD-JONES, J. E., et al.
- LORAINE, J. A., see SIRCUS, W., et al. Lyle, I., see Parsons, P., and Lyle, I.

Μ

- MCARTHUR, J., TANKEL, H. I., and KAY, A. W.: A com-parison between the effects of hexamethonium and atropine in combination and of vagotomy with gastrojejunostomy on human gastric secretion, 230
- MCCARTHY, C. F., and SHERIDAN, M. R.: Hepatic necrosis due to Marsilid, 169
- MCCONNELL, R. B.: Heredity in gastroenterology: a review, 273
- MCCREDIE, J. A., DOGGART, J. R., and WELBOURN, R. B.: Total arterialization of the liver, 86
- -, see also RODGERS, H. W., and MCCREDIE, J. A.
- , see also RODGERS, H. W., et al. MACDONALD, I.: Gastric activity in South African European
- and Bantu, 248 MCINTOSH, J. W., et al.: The effect of an adrenal inhibitor (SU 4885) on gastric secretion in dogs, 345
- MACKAY, I.: Diagnosis of pancreatic disease, 371
- Malabsorption, post-gastrectomy, 372
- Marsilid, hepatic necrosis due to, 169 MELROSE, A. G.: Effect of glucagon on gastric secretion in man, 142
- MEYNELL, M. J., see COOKE, W. T., et al. MUMMERY, H. E. L., see LOCKHART-MUMMERY, H. E.

N

- NAISH, J. M., CAPPER, W. M., and BROWN, N. J.: Intestinal pseudo-obstruction with steatorrhoea, 62
- NEILL, D. W.: Serum protein electrophoresis patterns in liver disease, 86 see also CLARKE, S. D., NEILL, D. W., and
- and NEILL, D. W.
- see also Kyle, J., NEILL, D. W., and Wel-
- BOURN, R. É. see also Welbourn, R. B., Clarke, S. D., and NEILL, D. W.

NEWELL, A. C., see Doll, R., SWYNNERTON, B. F., and NEWELL, A.C.

NICHOLSON, A.: Choledochoscopy, 81 NUNN, A. H., see CHANDLER, G. N., et al.

0

Oesophagus, adenocarcinoma of, 351 OLEESKY, S., see BURTON, P., et al.

Р

- PACKARD, R. S.: Smoking and the alimentary tract, 171 Pancreas, disease, chronic, treatment of, 81
 - diagnosis of, 371
- , function test of, based on analysis of duodenal contents after administration of secretin and pancreozymin, 111
- response to food after gastrectomy, 55, 82 Pancreozymin, analysis of duodenal contents after adminis-
- tration of, test of pancreatic function based on, 111 after
- administration of, 125 PARSONS, P., and LYLE, I.: Blind loop syndrome, 372 PEASE, J. C., see WARD-MCQUAID, J. N., et al. Penticillinamine, treatment of Wilson's disease with, 371 Penticillinamine, treatment of Sec.

- Peptic ulcer, bleeding, surgery in, 258 ——————, blood group distribution in, 31
- , chronic, incidence of, found at necropsy, 14
- , partial gastrectomy for, 149

- PERRY, S. W., see WITTS, L. J., and PERRY, S. W. PHILLIPS, S. F see KING, W. E., and PHILLIPS, S. F. PIPER, D. W.: Effect of anticholinergic drugs on gastric secretion, 372
- Pituitary-adrenal axis, gastric secretion and, 85 Polyposis, intestinal, familial, clinical and genetic problems
- in, 285
- Portal vein, obstruction of, 86 PRATT, D., see SMIDDY, F. G., and PRATT, D.
- Prednisone as outpatient treatment for ulcerative colitis, 217 Propantheline bromide, assessment of, by sampling tech-
- nique, 337 Pseudocholinesterase, serum, in assessment of liver function,
- 303
- PULVERTAFT, C. N., and GREEN, A. G.: The excretion of 17-ketosteroids and 17-hydroxycorticosteroids in patients with active duodenal ulcers, 82
- PYGOTT, F., et al.: Radiological investigation of the small intestine by small bowel enema technique, 366

R

- RETIEF, E. F. P., see CALLENDER, S. T., RETIEF, F. P., and WITTS, L. J. RHODES, C. J., see PYGOTT, F., et al. RODGERS, H. W.: Gastroscopy, 84 and Guerry J. R.: Obstruction of the

- and GIBSON, J. B.: Obstruction of the portal vein, 86

, and McCREDIE, J. A.: Peritoneoscopy, 86 , et al.: Hepatic diseases, 85 ROWLANDS, E. N., see CONNELL, A. M., and ROWLANDS,

- E. N.
- , see also Connell, A. M., Rowlands, E. N., and WILCOX, P. R.

- Salazopyrin as out-patient treatment for ulcerative colitis, 217
- Salicylazosulphaphapyridine as out-patient treatment for
- ulcerative colitis, 217 Scorr, J.E., see BURTON, P., et al. Scorr-HARDEN, W. G.: Radiological examination of the small intestine, 84

- Secretin, analysis of duodenal contents after administration of, test of pancreatic function based on, 111
- serum amylase and serum lipase levels after administration of, 125
- Serotonin, bananas and diarrhoea, 44 Serum amylase and serum lipase levels after administration of secretin and pancreozymin, 125
- SHALDON, S.: Hormone metabolism and the liver, 83 SHELLSHEAR, M. F., see PYGOTT, F., et al.
- SHERIDAN, M. R., see MCCARTHY, C. F., and SHERIDAN, M. R.
- SHINER, M. Coeliac disease, 48
 - , see also DICKINSON, C. J., HARTOG, M., and SHINER, M
- Sigmoid motility in functional bowel disorders, 84 SIRCUS, W., et al.: The hormone excretion during prolonged A.C.T.H. administration in patients with ulcerative colitis, and entero-colitis, 82
- SKYRING, A. P.: Gastrointestinal haemorrhage in herit-able diseases, 371
- SMIDDY, F. G., and PRATT, D.: Factors influencing the growth of *Staphylococcus aureus* in the stomach after gastric operations, 242
- see also ATKINSON, M., HAPPEY, M. G., and SMIDDY, F. G.
- SMITH, A. MCE., see WARD-MCQUAID, J. N., et al. SMITH, A. N.: The mode of action of gastrin as examined in the experimental animal and its action via the release
- of histamine in the stomach wall, 83 SMITH, G. A., WELBOURN, R. B., and CLARKE, S. D.: The preparation of gastric pouches in dogs, 85
- Smoking and the alimentary tract, 171
- Soframycin for intestinal sterilization, 323
- South African European and Bantu, gastric activity in,
- 248 SOWERBUTTS, J. G.: Use of bisacodyl in preparation of the
- bowers of the bowers of obsecout in preparation of the bowers for a barium enema, 175 Splenic artery, aneurysm of, 312 Staphylococcus aureus, factors influencing growth of, in stomach after gastric operations, 242 Steatorrhoea with intestinal pseudo-obstruction, 62 Steatling interview interview in the store and the second structure in the second structure is second structure in the second structure in the second structure is second structure in the second structure in the second structure is second structure in the second structure in the second structure is second structure in the second structure in the second structure is second structure in the second structure in the second structure is second structure in the second structure in the second structure is second structure in the second structure in the second structure is second structure in the second structure in the second structure is second structure in the second structure in the second structure is second structure in the second structure in the second structure is second structure in the second structure in the second structure is second structure in the s
- Sterilization, intestinal, framycetin sulphate for, 323
- Steroid metabolism, 82
- STIDOLPH, N. E., and ALSTON, J. M.: The use of Soframycin (framycetin sulphate) for intestinal sterilization, 323
- Stomach, abrasive balloon for cytology of, 84 ———, cancer, blood group distribution in, 31
- -, colour photography of, 372
- , factors influencing growth of Staphylococcus aureus in, after gastric operations, 242
- -, surgery of, nutritional aspects of, 85
- , see also Gastrectomy

- STREET, D. F., see also Pygott, F., et al. SU 4885, effect on gastric secretion in dogs, 345 SU 4885, effect on gastric secretion in dogs, 345
- SWYNNERTON, B. F., see DOLL, R., SWYNNERTON, B. F., and NEWELL, A. C.

т

TALBOT, C. H.: Volvulus of the small intestine in adults, 76 TANKEL, H. I., et al.: A clinical and statistical study of the

- effect of gastrojejunostomy on human gastric secretion, 223 , see also MCARTHUR, J., TANKEL, H. I., and KAY, A. W.
- Telemetering, wireless, from digestive tract, 266 Thoracic duct lymph, search for factors affecting gastric secretion in, in dogs, 83
- THORN, P. A., see BROOKES, V. J., WATERHOUSE, J. A. H., and THORN, P. A.
- Transaminases, serum, in assessment of liver function, 303 TWORT, R. J., see WARD-MCQUAID, J. N., et al.

United States veterans, distribution of ulcerative colitis and regional enteritis in, with particular reference to Jews, 291 378

Vagotomy, diarrhoea after, 84

with gastrojejunostomy, effect on gastric secretion, 230

v

- VARLEY, H., see BURTON, P., et al. VEALE, A. M. O.: Clinical and genetic problems in familial intestinal polyposis, 285
- Venous shunt operation, serum albumin, pseudocholin-esterase, and transaminases in assessment of liver function before and after, 303

Volvulus of small intestine in adults, 76

w

- WARD-MCQUAID, J. N., et al.: Surgery in bleeding peptic ulcers, 258
- WATERHOUSE, J. A. H., see BROOKES, V. S., WATERHOUSE, J. A. H., and THORN, P. A. WATKINSON, G.: The incidence of chronic peptic ulcer found
- tion in the dog, 82

WELBOURN, R. B., see also CLARKE, S. D., NEILL, D. W., and WELBOURN, R. B.

see also CLARKE, S. D., WELBOURN, R. B., and NEILL, D. W.

- F. K., and Welbourn, R. B.
- , see also JOHNSTON, I. D. A., and WEL-BOURN, R. B. see also Kyle, J., Neill, D. W., and
- WELBOURN, R. B. see also McCredie, J. A., Doggart,
- J. H., and WELBOURN, R. B. see SMITH, G. A., WELBOURN, R. B., and
- CLARKE, S. D. Whipple's disease diagnosed by peroral small intestine

- Whipple's disease diagnosed by peroral small intestine biopsy, 163
 WILCOX, P. R., see CONNELL, A. M., ROWLANDS, E. N., and WILCOX, P. R.
 WILSON, C. W. E., see LENNARD-JONES, J. E., et al.
 Wilson's disease, treatment with penicillinamine, 371
 WITTS, L. J., and PERRY, S. W.: Leucine aminopeptidase with special reference to ulcerative colitis, 140
 ______, see also CALLENDER, S. T., RETIEF, F. P., and WITTS, L. J.
 WOOD, L.: Colour photography of stomach, 372
- WOOD, I.: Colour photography of stomach, 372

GUT

The Journal of the British Society of Gastroenterology

VOLUME ONE 1960

EDITOR HAROLD C. EDWARDS

EDITORIAL SECRETARY F. AVERY JONES

LONDON BRITISH MEDICAL ASSOCIATION TAVISTOCK SQUARE, W.C.1

EDITORIAL COMMITTEE

WILFRID CARDH. A. MAGNUSEDWARD R. CULLINANC. NAUNTON MORGANSIR CHARLES DODDSHAROLD RODGERSHENRY T. HOWATS. COCHRANE SHANKSTHOMAS HUNTNORMAN C. TANNERANDREW W. KAYGEOFFREY WATKINSONEDITOR, British Medical JournalHAROLD C. EDWARDS, EditorF. AVERY JONES, Editorial Secretary

CONTENTS

No. 1. MARCH, 19

	PAGE
Foreword. HAROLD C. EDWARDS	1
History of the British Society of Gastroenterology. THOMAS HUNT	3
Early Investigations of Haematemesis. G. N. CHANDLER, A. D. CAMERON, A. H. NUNN,	(
and D. F. STREET	6
The Incidence of Chronic Peptic Ulcer Found at Necropsy. GEOFFREY WATKINSON	14
Observations on Blood Group Distribution in Peptic Ulcer and Gastric Cancer. R. DOLL, B. F. SWYNNERTON, and A. C. NEWELL	31
The Effects of Corticotrophin and Corticoids on Secretion from Denervated Gastric Pouches in Dogs. S. D. CLARKE, D. W. NEILL, and R. B. WELBOURN	36
Serotonin, Bananas, and Diarrhoea. A. M. CONNELL, E. N. ROWLANDS, and P. B. WILCOX	44
Coeliac Disease: Histopathological Findings in the Small Intestinal Mucosa Studied by a Peroral Biopsy Technique. MARGOT SHINER	48
A Study of the Pancreatic Response to Food after Gastrectomy in Man. T. J. BUTLER	55
Intestinal Pseudo-obstruction with Steatorrhoea. J. M. NAISH, W. M. CAPPER, and N. J. BROWN	62
Diagnostic Significance of d.Xylose Excretion Test. D. FOWLER and W. T. COOKE	67
Multiple Endocrine Adenoma Syndrome. W. T. COOKE, D. I. FOWLER, R. GADDIE, E. V. COX, M. J. MEYNELL, and D. BREWER	71
Volvulus of the Small Intestine in Adults. C. H. TALBOT	76
Annual Meeting of the British Society of Gastroenterology	81

No. 2. JUNE, 1960

	PAGE
Crohn's Disease (Regional Enteritis) of the Large Intestine and its Distinction from Ulcerative Colitis. H. E. LOCKHART-MUMMERY and B. C. MORSON	87
Volvulus of the Caecum. GEOFFREY CHAMBERLAIN	106
A Test of Pancreatic Function in Man Based on the Analysis of Duodenal Contents after Administration of Secretin and Pancreozymin. P. BURTON, D. G. EVANS, A. A. HARPER, HENRY T. HOWAT, S. OLEESKY, J. E. SCOTT, and H. VARLEY	111
Serum Amylase and Serum Lipase Levels in Man after Administration of Secretin and Pancreozymin. P. BURTON, ELIZABETH M. HAMMOND, A. A. HARPER, HENRY T. HOWAT, J. E. SCOTT, and H. VARLEY	125
Leucine Aminopeptidase with Special Reference to Ulcerative Colitis. L. J. WITTS and S. W. PERRY	140
Effect of Glucagon on Gastric Secretion in Man. A. G. MELROSE	142
Effect of Glucagon on Gastric Secretion in the Dog. S. D. CLARKE, D. W. NEILL, and R. B. WELBOURN	146
Partial Gastrectomy for Peptic Ulcer. V. S. BROOKES, J. A. H. WATERHOUSE, and P. A. THORN	149
A Report of Two Cases of Whipple's Disease Diagnosed by Peroral Small Intestinal Biopsy. C. J. DICKINSON, M. HARTOG, and MARGOT SHINER	163
Hepatic Necrosis Due to Marsilid. C. F. McCarthy and M. R. SHERIDAN	169
Smoking and the Alimentary Tract: A Review. R. S. PACKARD	171
Present-day Techniques Use of Bisacodyl in Preparation of the Bowels for a Barium Enema. J. G. SOWERBUTTS	175 177
Gastro-intestinal Blood Loss Measured by Radioactive Chromium. A. D. CAMERON	1//

No. 3. SEPTEMBER, 1960

	PAGE
Post-gastrectomy Syndromes: A Review. C. F. W. ILLINGWORTH	183
The Use of Cholecystokinin to Test Gall Bladder Function in Man. P. BURTON, A. A. HARPER, HENRY T. HOWAT, J. E. SCOTT, and H. VARLEY	193
Gastric Cytodiagnosis; A Review and Appraisal. D. D. GIBBS	205
An Assessment of Prednisone, Salazopyrin, and Topical Hydrocortisone Hemisuccinate. Used as Out-patient Treatment for Ulcerative Colitis. J. E. LENNARD-JONES, A. J. LONGMORE, A. C. NEWELL, C. W. E. WILSON, and F. AVERY JONES	217
A Clinical and Statistical Study of the Effect of Gastrojejunostomy on Human Gastric Secretion. H. I. TANKEL, I. E. GILLESPIE, D. H. CLARK, A. W. KAY, and J. MCARTHUR	223
A Comparison Between the Effects of Hexamethonium and Atropine in Combination and of Vagotomy with Gastrojejunostomy on Human Gastric Secretion. J. MCARTHUR, H. I. TANKEL, and A. W. KAY	230
Massive Resection of the Small Intestine after Occlusion of the Superior Mesenteric Artery. R. J. HARRISON and C. C. BOOTH	237
Factors Influencing the Growth of Staphylococcus aureus in the Stomach after Gastric Operations. F. G. SMIDDY and D. PRATT	242
Gastric Activity in the South African European and Bantu. I. MACDONALD	248
Benign Duodeno-colonic Fistula. G. N. CHANDLER and A. J. LONGMORE	253
Surgery in Bleeding Peptic Ulcers. J. N. WARD-MCQUAID, J. C. PEASE, A. MCEWEN SMITH, and R. J. TWORT	258
New Methods for Diagnosis and Research Wireless Telemetering from the Digestive Tract. A. M. CONNELL and E. N. ROWLANDS	266

No. 4. DECEMBER, 1960

PAGE

Heredity in Gastroenterology: A Review. R. B. MCCONNELL	273
Clinical and Genetic Problems in Familial Intestinal Polyposis. A. M. O. VEALE	285
The Distribution of Ulcerative Colitis and Regional Enteritis in United States Veterans with Particular Reference to the Jewish Religion. E. D. ACHESON	291
An Assessment of the Value of Serum Cholinesterase as a Liver Function Test and in the Diagnosis of Jaundice. WILLIAM BURNETT	294
Serum Albumin, Pseudocholinesterase, and Transaminases in the Assessment of Liver Function Before and After Venous Shunt Operations. ALAN H. HUNT and HERMANN	
Lehmann	303
Aneurysm of the Splenic Artery. P. D. BEDFORD and BRIAN LODGE	312
A Case of Spontaneous Rupture of the Normal Large Bowel Causing Haemoperitoneum. C. T. Howe	321
The Use of Soframycin (Framycetin Sulphate) for Intestinal Sterilization. N. E. STIDOLPH and J. M. ALSTON	323
The Augmented Histamine Test with Special Reference to Achlorhydria. SHEILA T. CALLENDER, F. P. RETIEF, and L. J. WITTS	326
Some Factors in the Assessment of Gastric Anti-secretory Drugs by a Sampling Technique. J. P. BINGLE and J. E. LENNARD-JONES	337
The Effect of an Adrenal Inhibitor (SU 4885) on Gastric Secretion in Dogs. J. W. MCINTOSH,	
N. ANDERSON, H. L. DUTHIE, and A. P. M. FORREST	345
Intraoesophageal Adenocarcinoma. O. G. DODGE	351
Percutaneous Transhepatic Cholangiography. MICHAEL ATKINSON, MARGARET G. HAPPEY, and FRANCIS G. SMIDDY	357
Radiological Investigation of the Small Intestine by Small Bowel Enema Technique.	
F. PYGOTT, D. F. STREET, M. F. SHELLSHEAR, and C. J. RHODES	366
Gastroenterological Society of Australia	371
Index to Volume I	374