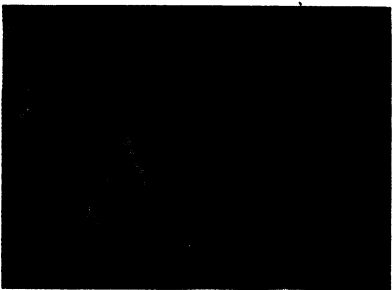


**You may convince yourself that  
eyeless needled sutures are a luxury  
But can you convince Linda?**



**ETHICON**

# Who can justify the cost?

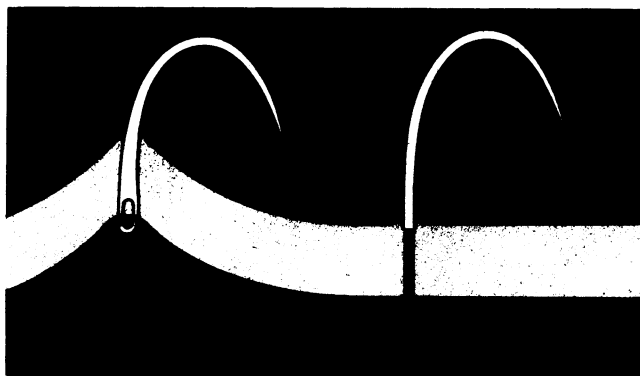


Eyeless needled sutures have helped minimise Linda's Appendicectomy incision scar and the effect, in later life will be appreciated. However, justification on a straight pound for pound, penny for penny basis is almost as hard to cost as skill.

---

## MINIMAL TRAUMA

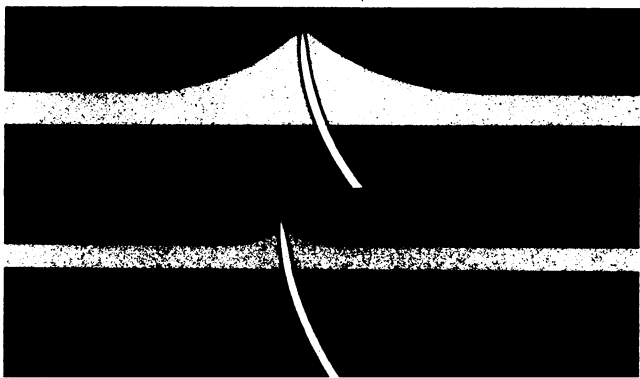
ETHICON swaged needle draws a single strand suture through tissue easily. No dull or broken needles, no frayed or torn sutures and no large eye or double strand to pull through friable tissue.



---

## SUPER SMOOTH PASSAGE

ETHICON super-smooth needles pass easily, with minimal resistance through the toughest tissue. You get a sharp new needle every time.



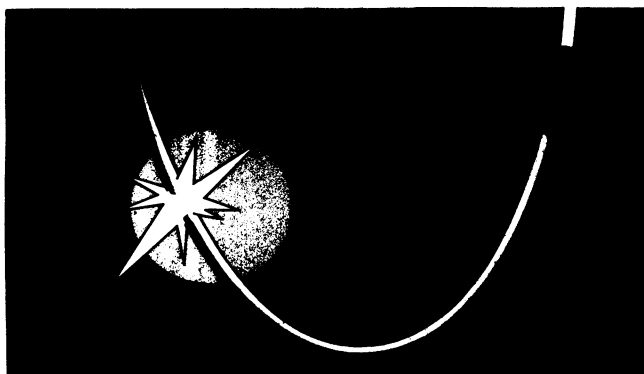
# **There are certain undisputed facts.**

With ETHICON\* eyeless needled sutures, you can count on getting a new sharp needle every time.

You won't be wasting the valuable time required by skilled personnel for the preparation of an eyed needle from one operation to another. You'll have less risk of needle breakage or fraying and torn sutures.

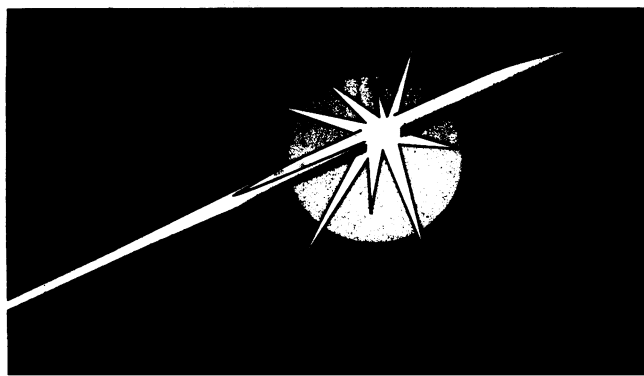
These are advantages which are hard to put in straight financial terms.

**ETHICON eyeless needled sutures in cuticular work save time...reduce inventory...minimise trauma.**



## **ETHICON SLIM BLADE**

A needle with an elongated cutting blade providing the smooth controlled penetration plastic surgeons so much desire when working on skin. Extended flats incorporated into the body ensure stability in a needle holder.



## **ETHICON STRAIGHT CUTTING NEEDLES (Sim's)**

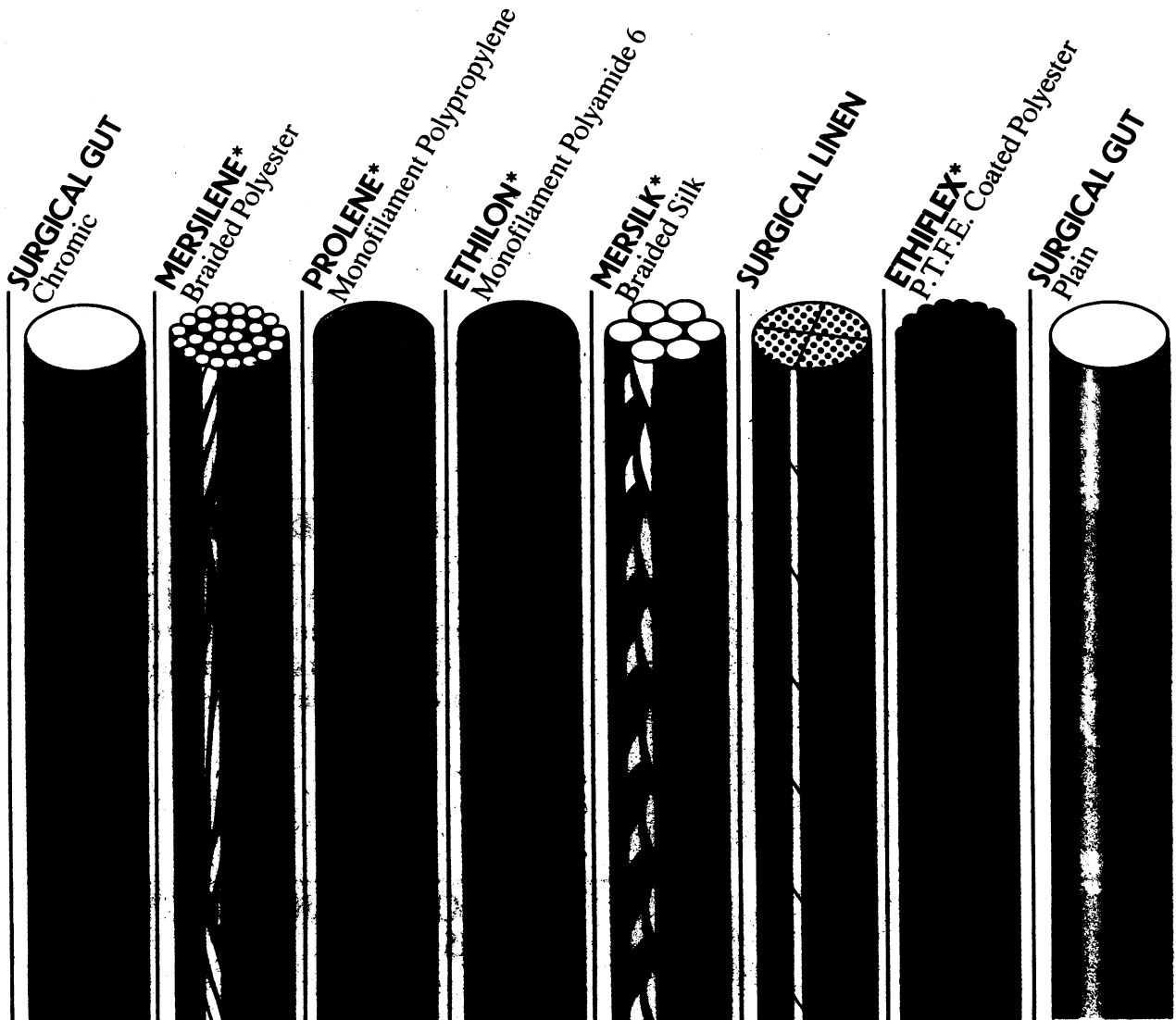
A range of stainless steel straight cutting needles. The points are precision-honed to penetrate more easily and needles are tempered for optimum strength and flexibility.

# The perfect needle matched to the perfect suture.

Choose from 8 tried and tested suture materials, each designed for specific surgical tasks, each securely swaged to a needle of your choice.

ETHICON eyeless needled sutures are supplied in easy to use

sterile packs. Absorbable and non-absorbable, materials made to the most exacting standards, assuring you of dependability you can count on, case after case, day after day, year after year.



© ETHICON LTD. 1974 \* Trade mark

**ETHICON**  
Leadership in wound repair

ETHICON LTD., Bankhead Avenue, Edinburgh EH11 4HE, Scotland.

**NEW  
EVIDENCE**

# De-Nol heals 90% of ulcers, with safety.

(1) Gut 15 March 1974

A recent double-blind trial shows that 90% of patients with duodenal ulcers who were treated with De-Nol experienced healing, compared with 30% on placebo. Of those patients shown endoscopically to be completely ulcer free 87.5% were in the De-Nol group.

The evidence <sup>1,2,3,4,5,6</sup> shows —

**\*DE-NOL HEALS ULCERS**

**\*DE-NOL GIVES RAPID PAIN RELIEF**

**\*DE-NOL HAS NO SERIOUS SIDE-EFFECTS**

in fact, in all the studies made of De-Nol no one had to be withdrawn due to side-effects, such as electrolyte imbalance.

## De-Nol. Unique Ulcer Therapy

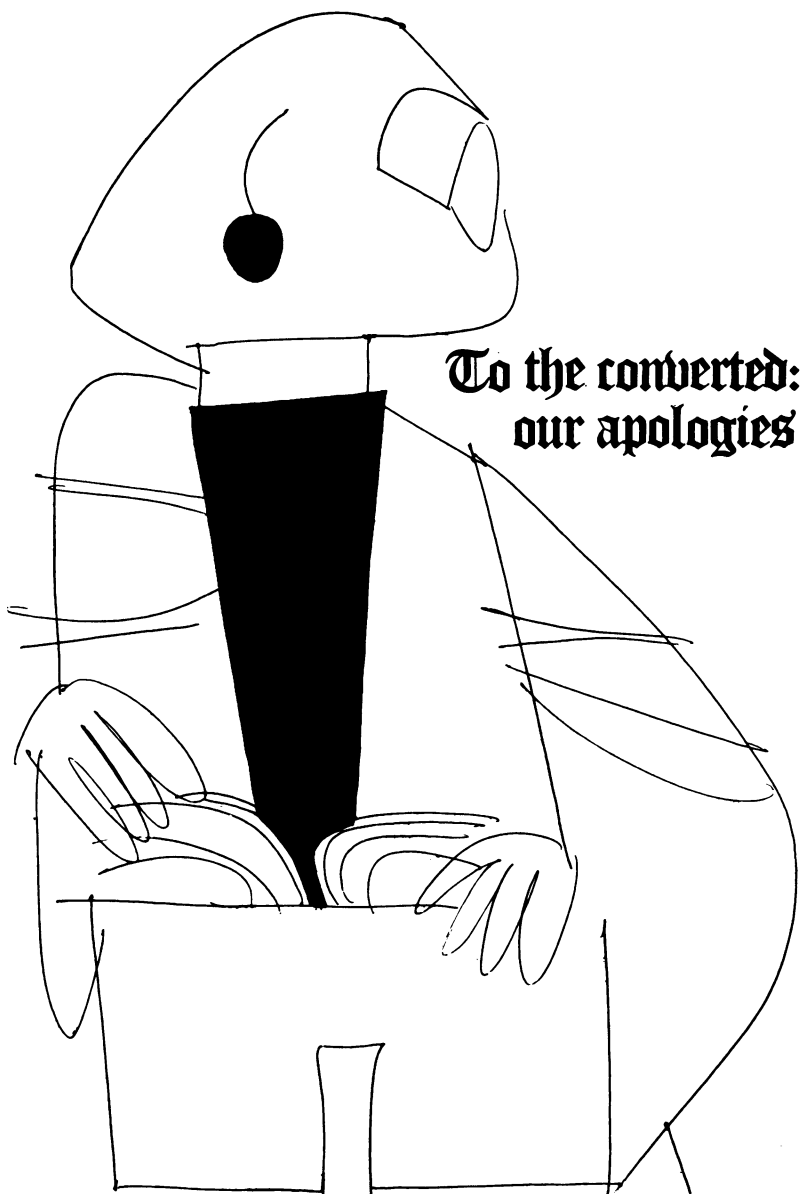
Refs: 2., Cur. Ther. Res. Vol 12, No. 12, 1970. 3., Cur. Ther. Res. Vol. 12, No. 1, 1970. 4., Ind. Med. & Surgery 35: 1, 21-23. 5., S. African M. J. 42:317-320, 1968. 6., Cur. Med. Res. & Opin. Vol. 1, No. 10, 1973.

Product Licence - 0166/5024

Each 5 ml De-Nol contains 120 mg tri-potassium di-citrate bismuthate calculated as  $\text{Bi}_2\text{O}_3$ .

Further information is available on request. Brocades (Great Britain) Limited, West Byfleet, Surrey, Byfleet 45536





**To the converted:  
our apologies**

Converts to Noxyflex are legion among concerned clinicians and senior sisters throughout the country. To them we do not preach. To others we speak of the singular effectiveness of Noxyflex against the intrusion of bacteria. When Noxyflex is applied directly to the site of existing or threatened infection (irrespective of sensitivity to any other anti-bacterial agent) its performance is impressive. Our literature carries the weight of extensive clinical evaluation. Have you copies?

Its uses, and users, increase.

# **Noxyflex**

## **Geistlich Chester**

# Fybogel

**the new therapeutic solution for the treatment  
of pressure diseases of the large bowel**

**DIVERTICULAR DISEASE  
IRRITABLE/SPASTIC COLON  
HAEMORRHOIDS  
ANAL FISSURE**

**These are the pressure  
diseases of the large bowel —  
a wide range of conditions  
with a common aetiological  
factor: low level of fibre  
in the diet.**

## **The pressure problem**

Raised intra-colonic  
pressure due to excessive  
segmentation. This leads to the  
formation of diverticula when  
pressure builds up in an occluded  
segment.

Raised intra-abdominal  
pressure due to straining to  
evacuate the resulting concentrated  
stools. This may lead to  
the formation of haemorrhoids  
when pressure on the pelvic  
diaphragm occludes the venous  
return from the haemorrhoidal  
plexus.

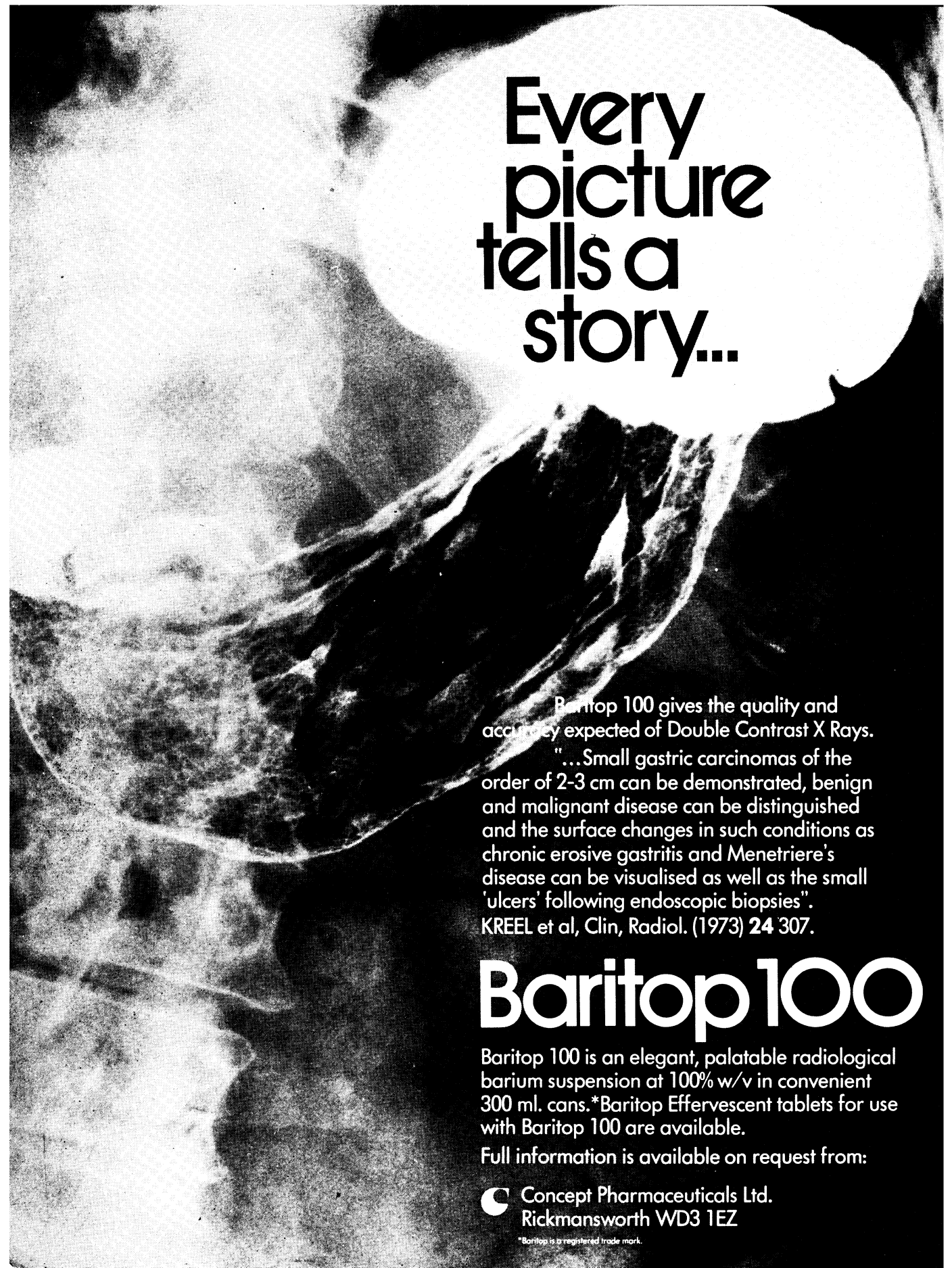
## **Fybogel — the natural solution**

By providing a natural fibre  
regimen Fybogel treats the main  
cause of pressure diseases  
— a low level of dietary  
fibre. Fybogel is a controlled  
regimen, presented as granules  
in single dose sachets.  
The granules disperse in water  
to make a palatable drink.



Full information is available  
on request from:  
Reckitt & Colman Pharmaceutical Division,  
Hull HU8 7DS.

Each sachet contains 3.5g Ispaghula Husk BPC  
in an effervescent base.



Every  
picture  
tells a  
story...

Baritop 100 gives the quality and accuracy expected of Double Contrast X Rays.

"...Small gastric carcinomas of the order of 2-3 cm can be demonstrated, benign and malignant disease can be distinguished and the surface changes in such conditions as chronic erosive gastritis and Menetriere's disease can be visualised as well as the small 'ulcers' following endoscopic biopsies".

KREEL et al, Clin, Radiol. (1973) 24 307.

## Baritop 100

Baritop 100 is an elegant, palatable radiological barium suspension at 100% w/v in convenient 300 ml. cans. \*Baritop Effervescent tablets for use with Baritop 100 are available.

Full information is available on request from:

 Concept Pharmaceuticals Ltd.  
Rickmansworth WD3 1EZ

\*Baritop is a registered trade mark.



# *ACM endoscopes leave nothing to the imagination*

Most surgeons today recognise the superiority of endoscopy as a means of confirming diagnoses of colon diseases. It can be quicker and easier than laparotomy, and is also less traumatic for patients and makes fewer demands on hospital facilities.

The premier instrument for colonic investigations is the ACM F9L coloscope. Advanced features include 12X magnification and a sharp, wide angle circular image three times larger than competitive instrument's.

With it a surgeon can clearly view as far as the caecum, take biopsy specimens and perform polypectomies. After surprisingly little practice, colonoscopy can be most rewarding. And the ACM coloscope is exceptionally easy to use – a single, one-handed joystick controls the poly-directional tip.

There's a shorter version, too, the F9S which will reach to the transverse colon and beyond. For the experienced colonoscopist there's

the dual channel F9A, a major operative, as well as diagnostic instrument. To find out more, please use the coupon. Or write or telephone.

Please tell me more about ACM endoscopes.

I would like literature only ☐

Please arrange a visit ☐

My telephone number is

Name

Address

(G/11/74)

## **ACM Endoscopes – clearly the best**

Wappler Endoscopy Limited,  
Park House, 22 Park Street, Croydon, Surrey, CRO 0YH  
Telephone: 01-686 4241



ACM endoscopes for gastro-enterology, bronchoscopy, urology, gynaecology and teaching.





## **Non-returnable ulcers with Caved-S**

- \* Definitive healing effect on gastric mucosa obviates need for additional antacid back-up therapy.
  - \* Marked absence of side effects means greater dosage flexibility to match the severity of your patient's condition.
  - \* Economical cost means dosage regimen can be maintained over prolonged periods ensuring maximum possible recovery, without relapse problems.
  - \* No contra indication problems. 4 unique advantages.
- Full prescribing information is available on request.

# **CAVED-S**

## **the ulcer fighter**



Tillotts Laboratories, 44, Lupus Street, London S.W.1.

Licence No: 0424/5000.

# The single solution

for parenteral nutrition

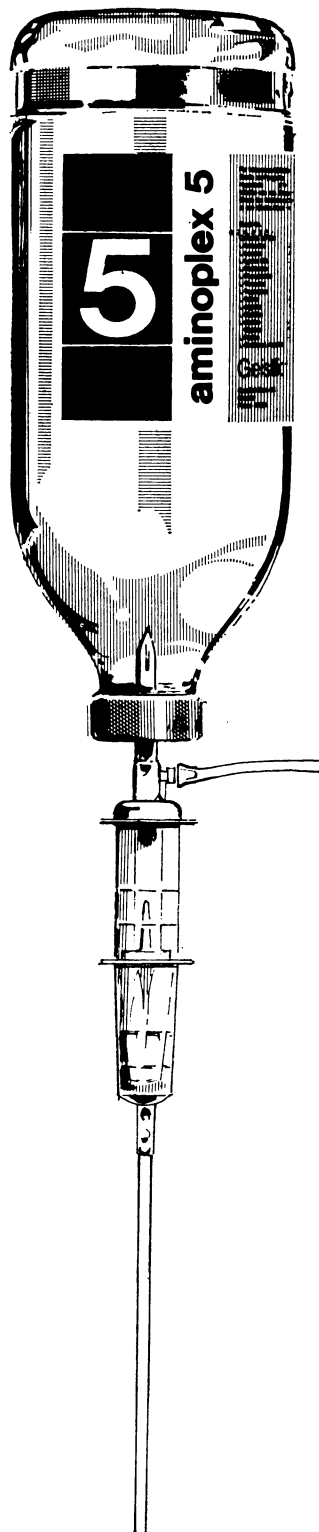
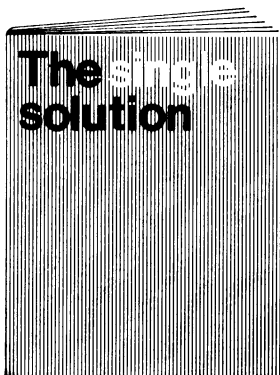
## Aminoplex 5

1 litre three times per day  
provides 15g. of utilisable  
nitrogen and 3000K calories;  
the nutrient content being  
derived from synthetic  
L-Form amino acids,  
sorbitol and alcohol.

### Geistlich Chester

*In co-operation with Salvia-Werk  
G.m.b.H., Homburg/Saar, W. Germany.*

Medical literature  
available from:  
**Geistlich Sons Ltd.,**  
Newton Bank,  
Long Lane,  
Chester CH2 3QZ.  
Telephone  
Chester 47534-7



# PROCEEDINGS OF THE FOURTH INTERNATIONAL SYMPOSIUM ON GASTROINTESTINAL MOTILITY

**Banff, Alberta, Canada September 6-8, 1973**

Edited by E. E. Daniel and associates

This publication will interest gastroenterologists, physiologists, pharmacologists, bioengineers, and electron microscopists the world over. Topics covered deal with the most recent advances in the understanding of the motility of the entire gut; methodology; electrophysiology and structure of muscle; effects of nerves and gastrointestinal hormones; integration and control of contracture; and the relation of contraction to transit. Alterations of control mechanisms in disease (diarrhea, megacolon, diverticular disease, etc.) are subjects of some of the seventy papers included in the six sessions covered in this important book.

## SESSION 1

Myogenic Control—Basic Mechanisms and Clinical Relationships.

## SESSION 2

General Session on Clinical Research Pathophysiology and Clinical Relationships.

## SESSION 3

Hormonal Control—Basic Mechanisms and Clinical Relationships.

## SESSION 4

- (a) Mechanical Consequences of Contractions, Pressure and Fibre Length.
- (b) Mechanical Consequences of Contractions, Small Bowel and Colonic Transit.
- (c) Myo- and Neural (Ganglion Cells) Electrical Activity.
- (d) Assessment of Sphincteric Function.

## SESSION 5

Gastric Emptying and Intestinal Transit—Basic Mechanisms, Clinical Features.

## SESSION 6

Neural Control: Neural Coordination Basic Mechanisms and Clinical Relationships.  
698 pages; soft cover \$35.00 per copy

**MITCHELL PRESS LIMITED**

**P.O. BOX 6000, VANCOUVER, B.C., CANADA**

Mitchell Press Limited  
P.O. Box 6000  
Vancouver, Canada V6B 4B9

Please ship to

.....  
.....  
.....

..... copies of Proceedings of the Fourth International Symposium on Gastrointestinal Motility at \$35.00 per copy.

Remittance of \$..... enclosed.

Add \$1.00 per book shipping charge.

.....  
Signature

## Pitman Medical



# FIBRE-OPTIC ENDOSCOPY

PAUL SALMON, BSc MB BS MRCP

An up-to-date, comprehensive and authoritative account of the principles and practice of fibre-optic endoscopy. The book is a complete guide. It considers where fibre-optic endoscopy should be employed, what equipment is available, how to set up an endoscopy service, how to care for and maintain equipment, how fibre-optic endoscopy complements radiology, and how it affects biopsy and cytology procedures. All currently available procedures are described in step-by-step detail, and numerous refinements of technique are also described with the benefit of excellent illustration. Descriptions of available equipment are comprehensive. The book is essentially practical; it provides ample guidance for the newcomer as well as the benefit of considerable experience for the expert. It is written for all those in fibre-optic endoscopy—physicians, surgeons, radiologists, pathologists, endoscopy nurses and technicians.

**256 pages Superbly illustrated Paperback £4.50 net**

# HUMAN INTESTINAL FLORA

**B. S. Drasar and M. J. Hill**

*Bacterial Metabolism Research Laboratory  
Colindale Avenue, London, England*

**November/December 1974, xii + 264pp., £6.50/\$16.75**

This unique work in the fast-growing field of human intestinal flora provides a discussion of the remarkable progress in our knowledge of this area during the last fifteen years, a review of biochemical activities and an examination of some selected relevant disease states.

### Contents

**Composition of the gut flora:** Limitations of the data. Factors controlling and influencing the gut flora. The intestinal bacteria. The distribution of bacterial flora in the intestine. Changes in bacterial flora associated with alterations in the intestine due to disease or surgery.  
**The metabolic activities of gut bacteria:** Gut bacteria, importance in the environment. Bacterial glycosidases. Metabolism of nitrogen compounds. Bile acid degradation. Cholesterol metabolism. Nuclear dehydrogenation of steroids. The metabolism of the major non-steroidal biliary components. Metabolism of antibiotic compounds. Other metabolic reactions. **The significance of gut bacteria:** Some problems in relation to the intestinal flora. Acute diarrhoeal disease. Role of bacteria in the aetiology of cancer. Gut bacteria and hepatic disease. The significance of gut bacteria in normal people. **References. Subject index.**



**Academic Press London New York San Francisco**

*A Subsidiary of Harcourt Brace Jovanovich, Publishers*  
24-28 Oval Road London NW1 England  
111 Fifth Avenue New York NY10003 USA

BEFORE GAVISCON

# Hardly a trace of night-time reflux heartburn

AFTER GAVISCON

Reflux of gastric contents into the oesophagus tends to occur more readily at night when the patient is lying asleep. This leads to night-time heartburn and disturbed sleep.

By protecting the oesophageal mucosa from reflux attack Gaviscon relieves night-time heartburn as no other preparation can.

In a recent trial\* intraoesophageal pH traces recorded over a continuous fifteen hour period, including the hours of sleep, showed:

**"...that both the number of reflux episodes and the percentage time during which intraoesophageal pH is in the acid range are significantly reduced by Gaviscon but not by antacids or by placebo":**

**Which means goodnight to heartburn!**

## GAVISCON®

CAPS EVERYTHING IN NIGHT-TIME HEARTBURN

Gaviscon contains: Alginic Acid B.P.C., Sodium Alginate B.P.C., Magnesium Trisilicate B.P., Dried Aluminium Hydroxide Gel B.P., Sodium Bicarbonate B.P., Sucrose B.P. and Mannitol B.P. Gaviscon is available as mint-flavoured tablets and chocolate-flavoured granules.

\*Lancet (1974), i, 109, Fig. continuous recording of lower oesophageal pH before and after treatment with Gaviscon.

Further information is available on request from:

RECKITT & COLMAN PHARMACEUTICAL DIVISION, HULL HU8 7DS.



# TODAY'S DRUGS/2

(Reprinted 1974)

The second volume of *Today's Drugs* deals with hormones and oral contraceptives, cardiovascular agents, and drugs acting on the gastrointestinal tract. As before, the articles have been revised to bring them up to date, for there is no field of medicine in which advice becomes obsolete quicker than in therapeutics

*Demy Octavo—Paperback—204 pages*

**Price £1.00 (USA \$3.00)**  
including postage

Copies of *Today's Drugs/2* are available direct from

The Publisher, BRITISH MEDICAL JOURNAL, BMA HOUSE, Tavistock Square, London WC1H 9JR

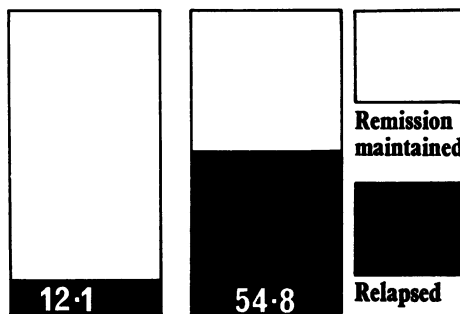
or through any leading bookseller

**"It is concluded that maintenance treatment of ulcerative colitis with sulphasalazine (salazopyrin) should be continued indefinitely unless contraindicated by side effects".<sup>1</sup>**

The results of the above controlled trial carried out at the Nuffield Department of Clinical Medicine, Radcliffe Infirmary, Oxford, are all the more welcome as earlier trials of cortisone<sup>2</sup> and prednisone<sup>3</sup> at standard dosages have shown them to be totally ineffective in reducing the number of recurrences of ulcerative colitis.

"Fortunately, Sulphasalazine tablets, 0.5 grams, 4 times a day will prevent relapses in the majority of patients with colitis, and only a few patients cannot tolerate this relatively small dose, which can be continued indefinitely, since we do not know when, if ever, it can be safely stopped".<sup>4</sup>

**"A striking difference in the relapse rate".**



"The patients who received dummy tablets had more than four times the relapse rate of those receiving sulphasalazine".<sup>1</sup> (Salazopyrin).

Salazopyrin (sulphasalazine) is available as the plain 0.5 g. tablet, 0.5 g. EN-tab and as an 0.5 g. suppository. Literature and detailed information on Salazopyrin are available on request.

#### References

1. Gut (1973) 14 923-926
2. Brit. med. J. (1959) 1 387-394
3. Lancet (1965) i 188-189
4. General Practitioner (1972) April 7 p111.

## Salazopyrin—

**to be continued indefinitely**

Salazopyrin is a registered trade mark.

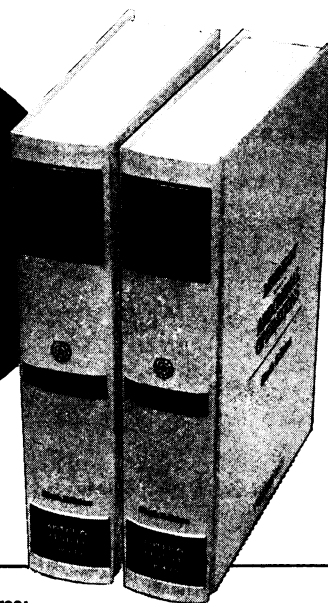
Further information on request from:—

Pharmacia (Great Britain) Ltd.,  
Paramount House,  
75 Uxbridge Road,  
London W5 5SS.  
Telephone: 01-579 0102/7



**Pharmacia**

# NEW EDITION OF A SURGERY CLASSIC... **ABDOMINAL OPERATIONS** Sixth Edition



Edited by **RODNEY MAINGOT, F.R.C.S. (Eng.)**, Honorary Consultant Surgeon, Royal Free Hospital, Royal Waterloo Hospital, London; Southend General Hospital, Essex; Sydney Body Gold Medalist; Former Member, Council, and President, Section of Surgery, Royal Society of Medicine; Editor-in-Chief, British Journal of Clinical Practice. With 97 contributors.

1974

2,240 pages (two-volume set), illus.

For over 30 years, Maingot's **ABDOMINAL OPERATIONS** has been the outstanding work in its field. It has received widespread critical acclaim:

"... an authoritative and comprehensive discussion of abdominal surgery. The book will be useful to all physicians who see patients with intraabdominal disease..." (*Gastroenterology*)

"... a great surgical treatise, ideally suited for all surgeons, young and old, interested in the diseases of the abdominal cavity. The surgical profession can be greatly thankful to the author for this new work..." (*New England Journal of Medicine*)

"This work, which is comprehensive, factual, and profusely illustrated, is a great credit to British and American surgery and should be widely read by surgeons all over the world... It is by far the best work which has so far been published on abdominal operations." (*British Journal of Surgery*)

The new Sixth Edition has been considerably revised and up-dated to keep pace with the advances made in abdominal surgery during the five years since the publication of the Fifth Edition. More than 20 new chapters and chapter sections and more than 600 new illustrations have been added, including several new color plates.

New material covers such subjects as: Fibre-Optic Endoscopy; Total Pancreatectomy; Sphincteroplasty in the Prophylaxis and Treatment of Residual Common Duct Stones; Neoplasms of Liver; Transplantation of the Liver in Human Subjects; Mesh Prosthesis in the Repair of Large Incisional Hernias; Hirschsprung's Disease: Choice of Operation; Endoscopic and Biopsy Examination of the Colon.

With 111 chapters grouped into 15 sections according to the site of the surgery, this new edition of **ABDOMINAL OPERATIONS** will maintain the same high standards of quality as its predecessors.

Price: (2-vol. set) £42.90 SBN:8385-0041-2

#### Outstanding features:

- An editor of the stature of Rodney Maingot, who not only organizes the entire work and carefully edits each chapter, but contributes a great deal of his own writing.
- Ninety-seven of the most prominent abdominal surgeons as contributors.
- Over 1,500 illustrations, with drawings by the outstanding medical artists in the world.
- A complete and explicit account of the technique of all the approved abdominal operations practiced today in Great Britain and the United States.
- A thorough discussion of choice of operation, pre- and post-operative care, difficulties and dangers, complications, and recent progress.

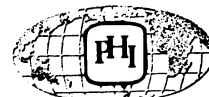
**SECTIONS:** Abdominal Incisions. Stomach and Duodenum. Spleen. Pancreas. Gallbladder and Bile Ducts. Liver. Abdominal Vascular Surgery. Appendix. Peritoneum: Retroperitoneum: Mesentery: Omenta. Hernia. Small Intestine and Colon. Cancer of the Colon. Tumors of the Rectosigmoid, Rectum and Anal Canal. Some Nonmalignant Lesions of the Ano-rectal Region. Special Subjects.

## APPLETON-CENTURY-CROFTS

MEDICAL/NURSING PUBLISHERS



A DIVISION OF



## Prentice/Hall International

Available through your bookseller or send payment with order, for direct postage-free delivery, from:

Dept. PP1,  
INTERNATIONAL BOOK DISTRIBUTORS, LTD.,  
66 Wood Lane End,  
Hemel Hempstead, Herts. HP2 4RG,  
England.



*2 First Class Volumes  
reduced in price  
to clear remaining stock*

**1. TRENDS IN CLINICAL PATHOLOGY**

Essays in Honour of (the late) Gordon Signy

*Royal Octavo Cloth bound 352 pages*

Published in 1970 Price £3.00 – **now reduced to:**  
**£1.50** including postage

**2. SELECTED WRITINGS OF  
SIR ARTHUR HURST 1879-1944**

*Demy Octavo Cloth bound 218 pages*

Published in 1970 Price £2.00 – **now reduced to:**  
**£1.00** including postage

**ORDER NOW from the Publisher**

British Medical Journal, BMA House, Tavistock Square  
London WC1H 9JR

# SCANDINAVIAN JOURNAL OF GASTROENTEROLOGY

Volume 9, No. 5, 1974

## CONTENTS

- Review: J. Myren & L. S. Semb: *New Trends in Diagnosis and Treatment of Upper Gastrointestinal Bleeding* .. .. . 415
- J. Rask-Madsen, A. Bruusgaard, O. Munck, M. D. Nielsen & H. Worning: *The Significance of Bile Acids and Aldosterone for the Electrical Hyperpolarization of Human Rectum in Obese Patients Treated with Intestinal Bypass Operation* .. .. . 417
- F. Höflin & W. van der Linden: *Pneumatosis Cystoides Intestinalis Treated by Oxygen Breathing* .. 427
- A. Berstad, M. Roland, H. Petersen & I. Liavåg: *The Pancreatic Exocrine Secretion in Duodenal Ulcer Patients before and after Selective Proximal Vagotomy of the Stomach* .. .. . 431
- J. Christiansen & L. Hendel: *The Effect of Glucagon on Pentagastrin-Induced Gastric Secretion of Sodium, Potassium, and Calcium in Man* .. .. . 437
- M. Siurala, J. Lehtola & T. Ihamäki: *Atrophic Gastritis and Its Sequelae* .. .. . 441
- D. Gedde-Dahl: *Relation between Gastrin Response to Food Stimulation and Pentagastrin-Stimulated Gastric Acid Secretion in Normal Humans* .. .. . 447
- P. Danö & Kristina Lenz: *External Pancreatic Function Following Three Types of Intestinal Shunt Operation for Obesity* .. .. . 451
- J. Myren & A. Serck-Hanssen: *The Gastroscopic Diagnosis of Gastritis* .. .. . 457
- E. M. Alhava, S. Aukee & P. Karjalainen: *Bone Mineral after Partial Gastrectomy. I* .. .. . 463
- W. Domschke, S. Domschke, W. Rösch, M. Classen & L. Demling: *Failure of Pentagastrin to Stimulate Cyclic AMP Accumulation in Human Gastric Mucosa* .. .. . 467
- O. Dietrichson, E. Juhl, J. O. Nielsen, J. J. Oxlund & P. Christoffersen: *The Incidence of Oxypheisatin-Induced Liver Damage in Chronic Non-Alcoholic Liver Disease. A Controlled Investigation* .. .. . 473
- J. Stadaas, S. Aune & J. F.-W. Haffner: *Effects of Proximal Gastric Vagotomy on Intragastric Pressure and Adaptation in Pigs* .. .. . 479
- H. Triantaphyllidis & J. P. Bader: *Circadian Rhythmicity of the Intestinal Transit in Rats and its Disturbance through Experimental Hyperthyroidism* .. .. . 487
- T. Varkonyi, G. Gergely & V. Varró: *The Ultrastructure of the Small Intestinal Mucosa in the Developing Human Fetus* .. .. . 495
- T. Scherstén, E. Cahlin, J. Jönsson, L. Lindblad & Sv. Nilsson: *Supersaturated Bile — Is it Due to a Metabolic Disorder or to an Impaired Gallbladder?* .. .. . 501
- S. Ritland: *Demonstration of the Abnormal Lipoprotein of Cholestasis, LP-X, by Precipitation with Polyanion* .. .. . 507

Issued 20 August 1974

UNIVERSITETSFORLAGET  
OSLO