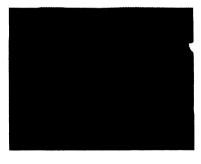


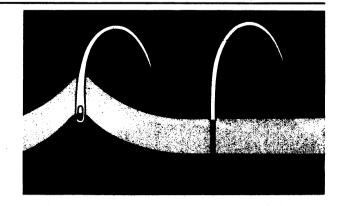
## Canyou put a price on efficiency?



Elderly, overweight Mrs. Simpson. A case where friable tissue will be encountered and where wound security will be at risk. Nevertheless the need to minimise trauma remains and you will need all the help you can get from your sutures. One of the innumerable cases where you cannot balance the cost of suturing against the cost to the patient.

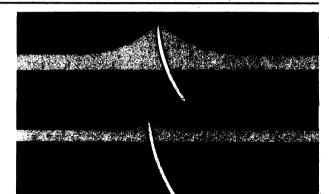
#### **MINIMAL TRAUMA**

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

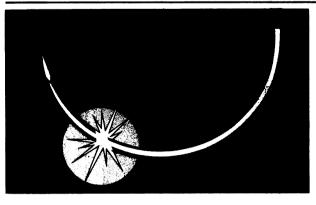
on getting a new sharp needle every time.

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

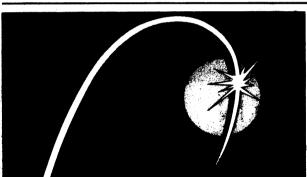
financial terms.

ETHICON eyeless needled sutures in general closure save time...reduce inventory...minimise trauma.



## ETHICON HEAVY TAPERCUT\* NEEDLES

The best qualities of two needles combined in one. An efficient cutting point—to permit ease of penetration in tough or calcified tissue—leading to a round body for minimum trauma.



## ETHICON HEAVY ROUND BODIED NEEDLES

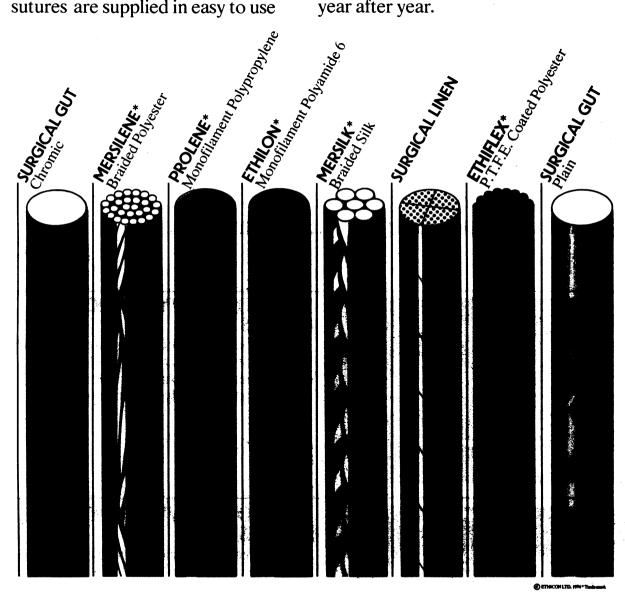
The ideal general closure needle developed from the original Mayo's needle. Easy to handle with good penetration yet with the non-traumatic qualities endowed by a round profile swaged to a single suture.

## 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 nonabsorbable, materials made to the most exacting standards, assuring you of dependability you can count on, case after case, day after day, year after year.



ETHICO N Leadership in wound repair



## **De-Nol.** Unique Uker 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. 1988. 6 Cur. Med. Res. & Opin. Vol. 1. No. 10, 1973 Product Licence 0166, 5024

Each 5ml De-Nol contains 120 mg tri-potassium di-citrato bismuthate calculated as Bi<sub>3</sub> O<sub>3</sub> Further information is available on request. Brocades (Great Britain) Limited, West Byfleet, Surrey. Byfleet 45536



# The single solution

for parenteral nutrition

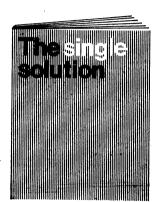
## **Aminoplex 5**

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

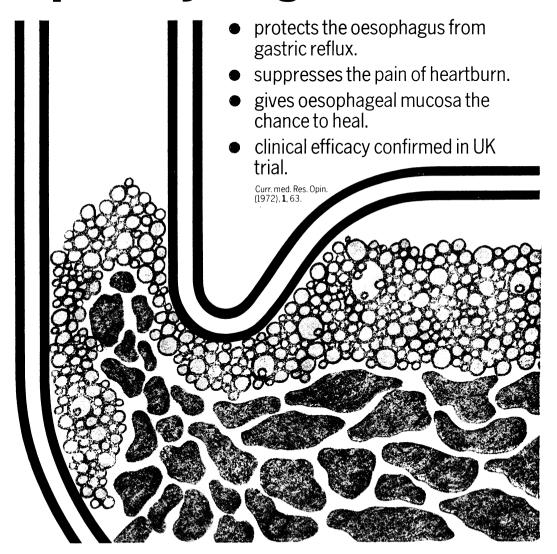
In co-operation with Salvia-Werk G.m.b.H., Homburg/Saar, W. Germany.

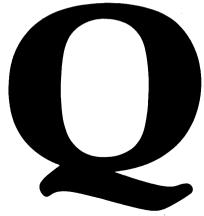
Medical literature available from: Geistlich Sons Ltd., Newton Bank, Long Lane, Chester CH2 3QZ. Telephone Chester 47534-7





# GAVISCON® caps everything in heartburn





# How much Caved-S can an intractable duodenal ulcer patient take?



## For a full year without relapse, 12 tablets a day for up to 16 weeks\*

### The Practitioner

June 1973 Vol. **210** pp. 820~823

\* This dosage regimen was established in a recent trial of Caved-S on patients all with intractable duodenal ulcer and a history of more than six relapses in the year prior to the trial. Of twenty patients receiving 12 Caved-S tablets a day for 16 weeks, 12 had no relapse in a full year's follow-up, and the other 8 had two or one relapse in the follow-up year. All these patients had actually been referred for surgery, but surgery was avoided in all cases. Another similar group of 20 patients received 8 Caved-S tablets a day for 8 weeks - the condition of patients selected was too serious for controls with a placebo. Of this second group 3 had no relapse, 7 up to two relapses, and 10 up to 4 relapses in a year's follow-up.

No significant side effects occurred. Only one patient discontinued treatment, and he later resumed treatment successfully. The authors conclude:

"Caved—S... should be given in high dosage before surgery is attempted in patients with duodenal ulcer who fail to respond to a low dose or other treatments,"

Caved-S
the ulcer fighter

Licence No. 0425/5000
Composition: Liquorice (not more than 3% glycrrhiznic acid) 380 mg., bismuth subnitrate 100 mg., alum. hydrox gel 100 mg., light mag. carb. 200 mg., sod. bicarb. 100 mg., frangula bark 30 mg.; brown tab.

Tillotts Laboratories, 44 Lupus Street, London SW1V 3EB



Caved-S effective and economic in high dosage

When there is an abdantal

proliten

the Clinical Pathology
Laboratory of Searle
Diagnostic can help you to
reach a firm diagnosis
through the use of its
comprehensive, reliable
and fast assay service.

## Assays for the gastroenterologist include

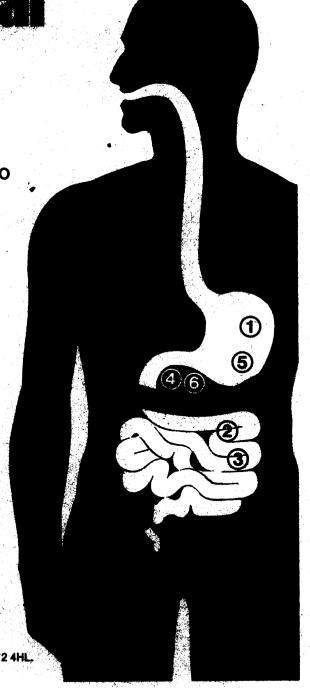
- **①** GASTRIN
- (2) VITAMIN B<sub>12</sub>
- ③ FOLIC ACID
- (4) INSULIN
- **6** ENZYMES
- **6** GLUCOSE TOLERANCE

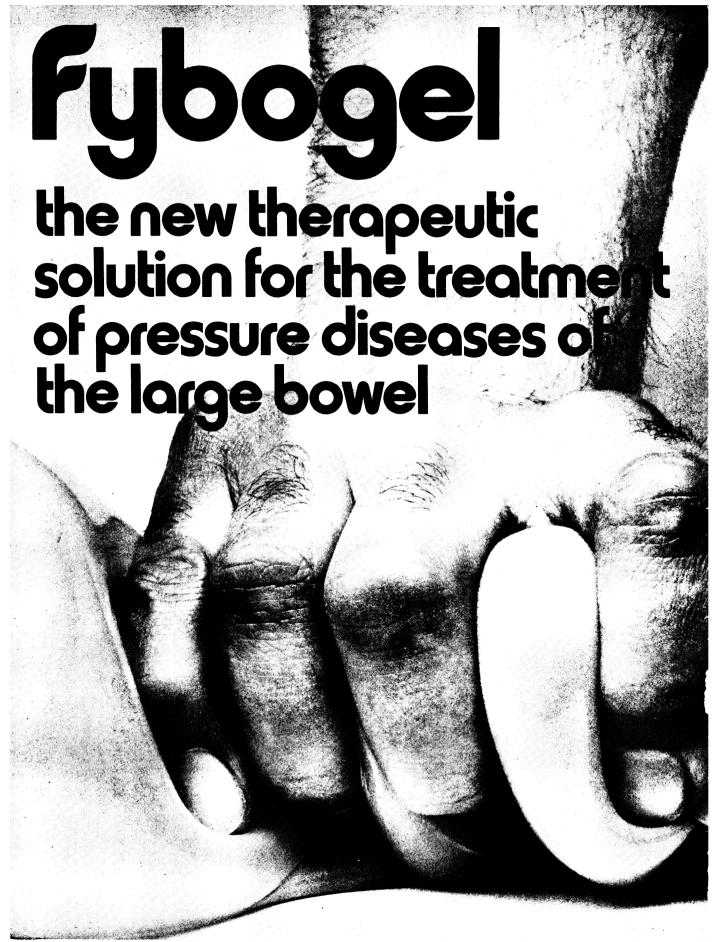
For full details of the assay services offered please write to

SEARLE

DIAGNOSTIC

Lane End Road, High Wycombe, Bucks, HP12 4HL, Telephone: High Wycombe 21124





## 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, resulting in:

less bulk

longer transit time

concentrated stools

raised intracolonic pressure raised intraabdominal pressure

pressure diseases

#### 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.



Bentop 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:



"Barilop is a registered trade mark.



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. NOXY



**Geistlich** Chester

## SCANDINAVIAN JOURNAL OF GASTROENTEROLOGY

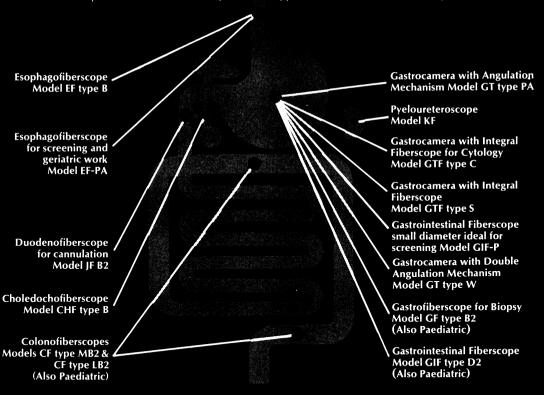
Volume 9, No. 2, 1974

#### **CONTENTS**

Review: J. Christiansen: Primary Hyperparathyroidism and Peptic Ulcer Disease 111
E. Schrumpf, M. Roland & I. Liavåg: Serum Gastrin and Gastric Acid Secretion before and after Proximal Gastric Vagotomy
E. Schrumpf & J. Stadaas: Effect of Gastric Distention on Motility and Plasma Gastrin Concentration before and after Secretin Administration
E. Schrumpf & J. Myren: Effect of Atropine on Plasma Concentration of Gastrin in FastingSubjects 123
J. Stadaas, E. Schrumpf & J. F. W. Haffner: The Effect of Gastric Distention on Gastric Motility and Serum Gastrin in Acutely Vagotomized Pigs
F. Lindahl, B. Lund, B. Boas & A. Schmidt: Effect on the Diuresis of Simultaneously Applied Infusions of Hypotonic Liquid into the Portal Vein and Hypertonic Liquid into the Superior Vena Cava 133
K. M. Das, M. A. Eastwood, J. P. A. McManus & W. Sircus: The Role of the Colon in the Metabolism of Salicylazosulphapyridine
F. Stadil & J. F. Rehfeld: Effect of Insulin Injection on Serum Gastrin Concentrations in Duodenal Ulcer Patients and Normal Subjects
H. Marcussen & G. Bendixen: Circulating Antibodies and Leucocyte Migration Inhibition to Colon-Associated Antigen in Ulcerative Colitis and Crohn's Disease
S. J. Konturek, T. Radecki & P. Thor: Comparison of Endogenous Release of Secretin and Cholecystokinin in Proximal and Distal Duodenum in the Dog
P. Danö & K. Lenz: Change of Bile Acid Metabolism and Absorption of Vitamin B <sub>12</sub> after Intestinal Shunt Operation in Obesity
P. Danö & O. Vagn Nielsen: Effect of Three Types of Intestinal Shunt Operation on Gastric Secretion in Obesity
O. Kronborg, T. Pedersen, F. Stadil & J. F. Rehfeld: The Effect of Beta-Adrenergic Blockade upon Gastric Acid Secretion and Gastrin Secretion during Hypoglycaemia before and after Vagotomy 173
M. Kristensen, G. Koudahl, K. Fischerman & S. Jarnum: High Dose Prednisone Treatment in Severe Ulcerative Colitis
L. Sjödin & S. Miura: Secretin-Induced Inhibition of Acid Secretion before and after Vagal Denervation of Canine Gastric Pouches
U. Knutson & L. Olbe: Gastric Acid Response to Sham Feeding before and after Resection of Antrum and Duodenal Bulb in Duodenal Ulcer Patients
G. Koudahl, M. Kristensen & K. Lenz: Bypass Compared with Resection for Ileal Crohn's Disease 203
B. I. Hirschowitz & G. Hutchison: Step-Dose Compared to Separate-Dose Response Gastric Secretion with Histamine and Pentagastrin in Dogs – A Kinetic Analysis
E. Juhl, F. Quaade & H. Baden: Weight Loss in Relation to the Length of Small Intestine Left in Continuity after Jejunoileal Shunt Operation for Obesity

Issued 26 March 1974

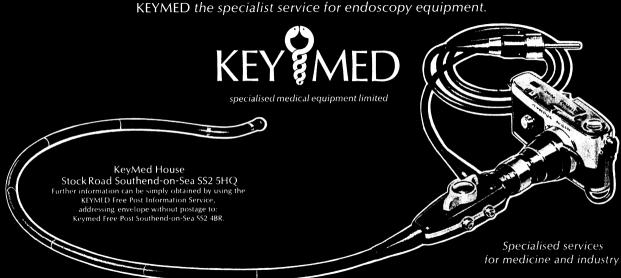
UNIVERSITETSFORLAGET OSLO



## if gastroenterology interests you take a closer look

KEYMED boasts the most comprehensive fund of expertise in fiberoptic endoscopy.

Olympus instruments: Olympus, world leaders in fiberoptic endoscopes – cover more specialities than any other, with the finest instruments. The first – and only range of accessories designed specifically for endoscopists – the endoscopy trolley, cleaning unit, security storage cupboard, etc. all by Keymed.



XII Gut June 1974

# Duogastrone is receiving full recognition



In recent years, increasing use of the fibroscope has confirmed what clinical papers\* have been saying for some time—Biogastrone and Duogastrone are highly effective, specific ulcer-healing agents. What is more—both gastric and duodenal ulcers have been seen to heal more rapidly than with other treatments. And because they eliminate the need for long-term treatment with antacids or anticholinergics, these preparations make economic, as well as therapeutic sense.

\*more than 40 English language papers have been published on the clinical use of carbenoxolone.

## BIOGASTRONE

Carbenoxolone sodium tablets heal gastric ulcers

## **DUOGASTRONE**

Carbenoxolone sodium capsules heal duodenal ulcers



Further information is available from Berk Pharmaceuticals Limited Shalford, Surrey, England.



The Queen's Award to Industry 1972 to Biorex Laboratories Limited for Technological Innovation in the Development and Production of the drug carbenoxolone sodium for the treatment of ulcers. Made under licence from Biorex Laboratories London.

British Patent numbers 843133, 1093286 \*Registered trade mark.

#### The preferred steroid

Cortenema is the first suspension of hydrocortisone to be presented for use as a retention enema.

For local treatment of ulcerative colitis, hydrocortisone is preferable to prednisolone.

\*It produces the desired therapeutic effect with less risk of systemic side effects due to absorption.

#### Ready-to-use unit dose

Cortenema is presented as a one-piece disposable unit made up of a soft plastic bottle with a lubricated nozzle. Each bottle contains a unit dose – 60 ml of solution (equivalent to 100 mg hydrocortisone as alcohol).

#### One-squeeze instillation

No holding up, no rolling up. One slow, steady squeeze of the Cortenema bottle is sufficient to discharge the entire dose into the rectum.

No regurgitation

The nozzle of the Cortenema bottle incorporates a non-return valve to prevent regurgitation of the enema.

#### Easier for the patient

Cortenema is now the most convenient enema available for self-administration in ulcerative colitis

It is more acceptable to the patient, much easier to apply and therefore increases the probability of successful therapy.

\*Reference: Brit. med. J. (1960), 1, 464.

### CORTENEMA

the new hydrocortisone retention enema

ON'S FEZE INSTINATION OF THE PROPERTY OF THE P

Full information is available on request. Bengue & Company Limited, Alperton, Wembley, Middlesex HAo ITX.

Manufactured under Licence from Rowell Laboratories Inc. Baudette. Minnesota. U.S.A.

#### Tutorials in Postgraduate Medicine Volume 4

#### THE SMALL INTESTINE

#### Edited by

#### BRIAN CREAMER MD, FRCP

This further volume in the popular Tutorials in Postgraduate Medicine Series covers normal anatomy and physiology, methods of investigation and the pathophysiology of the malabsorption syndromes. Specific diseases, infections and infestations are discussed and there is a full section on paediatric disorders of the small intestine. Tropical sprue, cholera and kwashiorkor are dealt with in some detail. The

whole orientation is from the clinician's point of view and the physiological and pathological descriptions are presented in this light.

It has been aimed at the house officer to senior registrar audience and it is hoped that senior staff in all disciplines may find it useful on selected topics.

320 pages 70 illustrations £4.50 net



William Heinemann Medical Books Ltd 23 Bedford Square, London WC1B 3HT

## The Cell and Cancer

The Proceedings of a Symposium organized by the Royal College of Pathologists

Edited by A. R. Currie

Experimental alteration of the phenotype of animal cells in vivo The cell—Molecular pathology of the cancer cell Human genetic markers as tracers of tumour histogenesis Cell hybridization and cancer The mitotic cycle and cell population control Some studies on early embryonic development relevant to the study of cancer Ligand-induced redistribution of membrane macromolecules: some possible implications for cancer Death in normal and neoplastic cells Lysosomes in cancer cells The neoplastic cell—The effects of steroid hormones and carcinogens on the interaction of membranes with polysomes Effects of tumour viruses on cell growth Hormones and neoplasia Tumour immunity—The lymphoid system and experimental neoplasias The role of macrophages in tumour immunity The role of circulating antibody in the control of metastases Tumour differentiation—Differentiation in breast cancer Tumours of the lymphoreticular system: nomenclature, histogenesis and behaviour Enzymes and histological differentiation of tumours Tumour-associated products—Nature and significance of the antigens associated with human gastrointestinal tumours Clinical value of tumour-associated antigens Tumour-associated hormonal products

Price £2.25 (U.S.A. \$6.75) including postage

The Publisher, BRITISH MEDICAL JOURNAL, B.M.A. House, Tavistock Sq., London WC1H 9JR

是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就

# Host-Virus Reactions with Special Reference to Persistent Agents

The Proceedings of a Symposium organized by the Royal College of Pathologists

Edited by George Dick

Host-virus relationships with special reference to Newcastle disease and serum hepatitis
A. P. WATERSON

Persistent infections—Persistent infection of the mouse with the virus of lymphocytic choriomeningitis F. Lehmann-grube ● Serum hepatitis as a persistent infection YVONNE E. COSSART ● The natural history of long-incubation period hepatitis F. O. MacCallum ● Cytomegalovirus: a cause of persistent latent infection H. STERN ● Persistent infection by adenoviruses H. G. PEREIRA ● Feline leukaemia W. JARRETT

Latent infections—Varicella-zoster and related viruses K. McCarthy ● EB virus in relation to tumours B. G. Achong ● The EB virus in relation to infectious mononucleosis R. N. P. SUTTON ● Oncogenic herpesvirus infections of animals P. M. BIGGS ● Subacute sclerosing panencephalitis JOHN H. CONNOLLY

Slow infections—Spongiform virus encephalopathies D. CARLETON GAJDUSEK ● Isolation and characterization of the subacute spongiform virus encephalopathies of man: Kuru and Creutzfeldt-Jakob disease CLARENCE J. GIBBS JR and D. CARLETON GAJDUSEK ● Creutzfeldt-Jakob disease PETER M. DANIEL ● Transmissible mink encephalopathy: pathogenesis and nature of the aetiological agent R. M. BARLOW ● Scrapie—a personal view I. H. PATTISON ● Maedi-visna PÁLL A. PÁLSSON ● Immune responses in persistent virus infections A. C. ALLISON ● Amyotrophic lateral sclerosis, Parkinson's disease, and the amyotrophic lateral sclerosis-Parkinsonism-dementia complex on Guam: A review and summary of attempts to demonstrate infection as the aetiology CLARENCE J. GIBBS JR and D. CARLETON GAJDUSEK ● The possible viral aetiology of disseminated sclerosis F. CATHALA and P. BROWN

Panel discussion on slow infections—Membrane hypothesis of scrapie G. D. HUNTER ● Systems of virus survival K. B. FRASER ● The nature of the scrapie agent TIKVAH ALPER

Price £2.00 (U.S.A. \$6.00) including postage

This publication can be ordered now from

The Publishing Manager, BRITISH MEDICAL JOURNAL, B.M.A. House, Tavistock Square, London WC1H 9JR

# 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

## INTERNATIONAL MEDICAL JOURNALS IN ENGLISH

## THE JOURNAL OF CARDIOVASCULAR SURGERY

Official Journal of the International Cardiovascular Society Bi-monthly publication

Annual subscription: \$27.00

#### THE JOURNAL OF SPORTS MEDICINE AND PHYSICAL FITNESS

Official Journal of the 'Fédération Internationale de Médecine Sportive' Quarterly publication

Annual subscription: \$24.00

## ITALIAN MEDICAL JOURNALS IN ENGLISH

THE JOURNAL OF NEUROSURGICAL SCIENCES

Official Journal of the Italian Society of Neurosurgery Quarterly publication

Annual subscription: \$27.00

#### PANMINERVA MEDICA

The Journal of the Italian Medical Association Monthly Review of Italian Medicine

Annual subscription: \$14.00

THE JOURNAL OF NUCLEAR BIOLOGY AND MEDICINE

Official Organ of the Italian Society of Biology and Nuclear Medicine Quarterly publication

Annual subscription: \$20.00

#### **EUROPA MEDICOPHYSICA**

Official Journal of the European Federation of Physical and Rehabilitation Medicine and of the Italian Society of Physical and Rehabilitation Medicine Quarterly publication

Annual subscription: \$20.00

published by

## EDIZIONI MINERVA MEDICA

corso Bramante 83-85 - 10126 Torino - Italy