

# *The Journal of the Royal College of Physicians of London*

This Journal is concerned with the integration of scientific disciplines in the practice of medicine and, by providing a wide ranging commentary on the growing points of medicine, it is an essential complement to the specialised journals.

## CONTENTS OF VOLUME 6, No. 2

Sir Ernst Chain	Thirty Years of Penicillin Therapy
H. P. Lambert	Antibiotics in Acute Respiratory Disease
Rosalinde Hurley	Penicillin Treatment in Obstetrics and Gynaecology
Louis Weinstein	Infective Endocarditis: Past, Present and Future
Allen W. Mathies	Penicillins in the Treatment of Bacterial Meningitis
A. E. Wilkinson	Problems in the Treatment of Venereal Disease: Bacterial Resistance: Allergy
J. P. M. Tizard	The Use of Penicillins in Neonatal and Paediatric Practice
Jay P. Sanford	Generalised Gram-negative Bacillary Infections
W. Brumfitt	Penicillin and Related Antibiotics: Gram-negative Infections: Urine
R. E. O. Williams	Relation of Antibiotic Treatment to Natural Response to Infection
F. W. O'Grady	Chemoprophylaxis in Medicine and Surgery
Sir Richard Doll and M. C. Pike	Trends in Mortality among British Doctors in Relation to their Smoking Habits

---

Editor:	A. Stuart Mason, M.D., F.R.C.P.
Publication:	Published quarterly in October, January, April and July
Subscription:	£4 per annum (including postage)
All inquiries to Editorial Office:	Royal College of Physicians of London, 11 St. Andrew's Place, Regent's Park, London, NW1 4LE
Publisher:	Pitman Medical, Pitman House, 39 Parker Street, London, WC2B 5PB

---

## Regional Postgraduate Institute for Medicine and Dentistry Newcastle upon Tyne

### VOCATIONAL TRAINING FOR GENERAL PRACTICE

Applications are invited from recently qualified medical graduates (including women graduates) for 3-year courses of training starting in July, 1972. Two programmes are offered, one based on Newcastle upon Tyne, the other on Teesside.

Each comprises three stages:

1. A 6-month appointment in a teaching general practice.
2. Successive 6-month appointments in 4 of the following specialties: Obstetrics, Paediatrics, Medicine, Psychiatry, Emergency Medicine and (on Teesside only) a combined ENT, Skin and Eyes.
3. A final 6-month appointment in a teaching general practice.

Every effort will be made where appropriate, to devise flexible schemes for women doctors, and in this connection any previous experience of women doctors will be taken into account.

Regular weekly seminars and visits augment practical experience and cover major aspects of general practice with particular reference to the examination of M.R.C.G.P. In addition experience for the D.C.H. and D.Obst.R.C.O.G. examinations is provided. The courses described in the *B.M.J.* of 2 January, 1971, are now well established with 34 trainees in post. Salaries are at the Trainee Assistant and Senior House Officer Scale (£2184—£2472).

Further details are available from:

**FOR NEWCASTLE**  
Dr Andrew Smith,  
Lecturer in Family Medicine,  
Department of Family & Community Medicine,  
The Medical School,  
Newcastle upon Tyne NE1 7RU.

**FOR TEESSIDE**  
Dr Aubrey Colling,  
25 Bridge Road,  
Stockton on Tees,  
Teesside.

# The Beecham Penicillins

.

Beecham research has produced an outstanding range  
of semi-synthetic penicillins including :

<b>Penbritin*</b>	(ampicillin)	<b>Floxapen*</b>	(flucloxacillin)
<b>Orbenin*</b>	(cloxacillin)	<b>Pyopen*</b>	(carbenicillin)
<b>Celbenin*</b>	(methicillin)	<b>Broxil*</b>	(phenethicillin)
<b>Ampiclox*</b>			
(ampicillin and cloxacillin)			

BRL also produce Maxolon\*(metoclopramide) — a modifier of gastric motility.

Full information on all products is available on request.

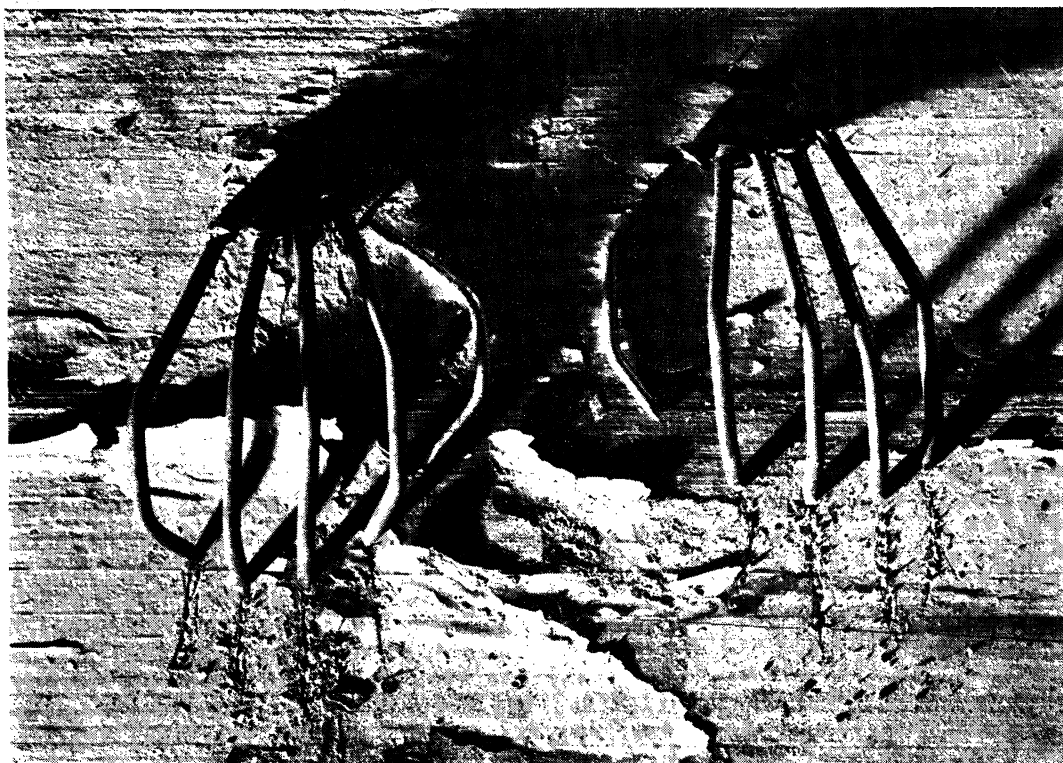


Beecham Research Laboratories Brentford England

\*regd.



Instead of just scratching the surface of the irritation problem



# Vallergan – orally

## Antipruritic

'Vallergan' reduces the itch in dermatitis and eczema.

## Antihistaminic

'Vallergan' reduces reaction and irritation in urticaria and other allergic skin conditions.

## Sedative

'Vallergan' reduces sleep loss by virtue of a potent sedative action, ideal for the restless patient.

Full information is available on request

'Vallergan' is a trade mark for preparations of trimeprazine tartrate manufactured by May & Baker Ltd Dagenham Essex RM10 7XS



**M&B**

**May & Baker**



MA 9185



**Tanderil<sup>®</sup>**  
**Geigy**

**Helps  
arthritic  
joints  
to move  
again  
without  
pain**

*4 major  
benefits of Tanderil  
antirheumatic therapy*

*Intense Analgesic activity*

*Significant reduction of  
morning stiffness*

*Improved joint mobility*

*Reduced joint swelling*

**Availability**

*Tanderil is available as coffee-  
coloured, sugar-coated tablets  
containing 100 mg. and as  
suppositories containing 250 mg.  
4-butyl-2-(4-hydroxyphenyl)-1-  
phenylpyrazolidine-3,5-dione  
monohydrate (Oxyphenbutazone  
B.P.)*

*Detailed literature describing any  
product will be supplied on request*

**Geigy Pharmaceuticals,  
Hurdfield Industrial Estate  
Macclesfield Cheshire**

# **ARE NOT TWO CHILDREN ENOUGH?**

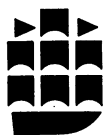
No doubt you are already referring suitable candidates for **VASECTOMY**.

Would you find a leaflet describing the operation helpful to put in your waiting room or to hand to interested couples?

If so, may we send you some? There is no charge for these.

Please send requests to:

The Hon. Director,  
Crediton Project,  
West Longsight,  
Crediton, Devon.



# CHURCHILL LIVINGSTONE

## TEXTBOOK OF MEDICAL TREATMENT

Edited by STANLEY ALSTEAD, ALASTAIR MACGREGOR and RONALD H. GIRDWOOD  
1971 Twelfth Edition 708 pages 36 illustrations. £4.25

'The reason for its popularity is not far to seek. It is written by clinicians and carefully edited so that the emphasis throughout is on what the man in practice requires. Its aim is to provide the clinician—whether consultant or general practitioner—with a sound, reliable and up-to-date account of methods of treatment which have proved of value'.—*Practitioner*.

## CLINICAL GYNAECOLOGY

WALLACE BARR

1971 260 pages 141 illustrations £3.00

*Clinical Gynaecology* is a guide for those who wish to learn the practice of clinical gynaecology. Emphasis is given to diagnosis, and to the increasing trend in gynaecology which stresses the importance of medical management in preference to the surgical approach which has hitherto been dominant. Chapters on Anatomy, Physiology and Development, while valuable for reference, have been relegated to the end of the book. Within recent years the advent of laparoscopy and of Sonar have done much to banish the guesswork from gynaecology. These new techniques are described and their use is incorporated in the text.

## PHYSIOLOGY FOR PRACTITIONERS

IAN C. RODDIE

1971 208 pages £1.50

'One could hardly expect the physiology of every clinical trick to be explained, but the field covered is very wide. A few of the topics included, mentioned to whet one's appetite, are the renin-angiotensin theory, the capacity function (as distinct from the transport function) of the venous system, synaptic transmission, brown fat, posture control, energy balance failure, how skeletal muscles are organized and why arterioles offer more resistance than capillaries. Endocrinology and the regulation of reproduction receive full consideration also'.—*Practitioner*.

## RADIOLOGY FOR GENERAL PRACTITIONERS AND MEDICAL STUDENTS

DAVID SUTTON

1971 Second Edition 110 pages 82 illustrations £1.25

'All the more common investigations are clearly displayed and described and the more difficult procedures made to appear not so desperate as is often imagined. The pictures are excellent. This small volume should prove invaluable, and find an honoured place on the doctor's bookshelf'.—*Journal of the Royal College of General Practitioners*.

## CALLING THE LABORATORY

Edited by W. A. R. THOMSON

1971 Third Edition 160 pages 6 illustrations £1.50

'*Calling the Laboratory* embodies a series of articles which appeared in *The Practitioner* on the laboratory investigation of clinical material. The main object of these articles is to show how the laboratory can be of service. There is also due emphasis on proper methods of obtaining specimens. The range covered is wide, including tests for pregnancy, infertility, and alcoholic intoxication as well as methods used in bacteriology, haematology, and chemical pathology'.—

*British Medical Journal*.

# CHURCHILL LIVINGSTONE

Teviot Place Edinburgh

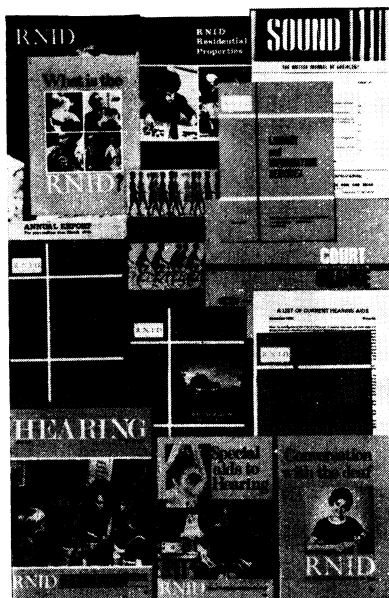
# YOUR DEAF PATIENTS

can rarely be cured and there comes a time when you can do no more than commiserate.

It is then that the R.N.I.D. might be able to help. Tell them to write to us or come and see us.

We have our own residential homes, hostels, a training centre for maladjusted deaf boys, a personal welfare service, many booklets and publications, one of the biggest deaf Libraries in the world. Technical Departments with anechoic chamber and sound measuring equipment. All freely at your or their service.

All of the R.N.I.D. Publications, including Special Aids to Hearing, Conversation with the Deaf, Clinical Aspects of Hearing, Highway Code for Children, a monthly magazine, Hearing which covers all aspects of deafness are available on request.



## ROYAL NATIONAL INSTITUTE FOR THE DEAF

105 Gower Street, London, WC1E 6AH Tel: 01-387 8033

Patron: The Duke of Edinburgh K.G.

### DARTFORD HOSPITAL MANAGEMENT COMMITTEE

# Dartford Vocational Trainee Scheme for General Practice

Applications are invited for places in the 1st October, 1972 intake to the Dartford Vocational Trainee Scheme for General Practice. The Scheme is based on the Dartford District Hospital (Joyce Green Hospital and West Hill Hospital).

Trainees will be appointed to the Senior House Officer grade.

Training will consist of 6 months in General Practice, 18 months in hospital posts and a final year in General Practice. Trainees will qualify for the Vocational Training Grant, on completion of the course.

The Hospital posts will consist of the following:—

<b>Obstetrics &amp; Gynaecology</b>	<b>—6 months</b>
<b>Psychiatry with Geriatrics</b>	<b>—6 months</b>
<b>Paediatrics</b>	<b>—3 months</b>
<b>Elective Period</b>	<b>—3 months</b>

There will be special emphasis placed on Psychiatry, Psycho-Geriatrics and Community Care; and the Psychiatry appointment will enable the trainee to sit for the Dip. Psych. Med. Part I. The whole Scheme is recognized for the M.R.C.G.P. Married Trainees will be offered the tenancy of a modern house near the hospital for the full period of training. For single practitioners, accommodation will be provided for the full period of training in the hospital medical staff quarters.

Application forms and further information can be obtained from and returned to the Group Secretary, Dartford Hospital Management Committee, Bow Arrow Hospital, Dartford, Kent.

# Migril masters millions of migraines

- The leading anti-migraine preparation for over eight years
- Ergotamine is potentiated by caffeine
- Acts between initial warning and the full-blown attack
- Contains its own anti-emetic (cyclizine)
- Treats all symptoms of the attack

Each MIGRIL\* Ergotamine Compound Tablet contains Ergotamine tartrate, BP 2mg Cyclizine hydrochloride, BP 50mg Caffeine hydrate, BP 100mg

\*Trade Mark



**Wellcome**

Full information is available on request.

Burroughs Wellcome & Co. (The Wellcome Foundation Ltd.) Dartford, Kent, DA1 5AH.





# Madam prefers Esbatal



"Seventy-five per cent of patients spontaneously complained of various degrees of tiredness on methyldopa, as against 10 per cent on bethanidine (ESBATAL) and 17 per cent on guanethidine."<sup>(1)</sup>

"Side-effects are fewer and milder...."<sup>(2)</sup>

"The lower incidence of side-effects, and the more rapid response to change in

dosage makes bethanidine (ESBATAL) a more satisfactory drug."<sup>(3)</sup>

"Thus bethanidine (ESBATAL) not only on grounds of cost but also because of its therapeutic effectiveness has a strong claim to be considered as today's first choice of drug treatment of severe hypertension."<sup>(4)</sup>

1 Brit med J, (1968), 1, 135. 2 Brit med Abst, (1967), 7, 309. 3 Brit med J, (1971), 1, 99. 4 Brit med J, (1968), 1, 313.

Full information about ESBATAL\* (bethanidine sulphate) is available on request.



**Wellcome**

Burroughs Wellcome & Co.  
(The Wellcome Foundation Ltd.),  
Dartford, Kent. DA1 5AH

\*Trade Mark



## ESBATAL

**the effective antihypertensive with fewer side-effects**

**whatever he calls it—  
'lumbago'  
'strained back'  
'rheumatism'  
'ricked back'  
etc etc**

**Whatever *he*  
calls it, *your*  
diagnosis will  
probably be an acute  
musculoskeletal disorder.**

**'The terms "lumbago" and "sciatica"  
are time-honoured as being expressive  
of symptoms but they do not merit the  
status of a diagnosis.'**

**Low back pain and sciatica.**

***Update, 1970, 2, 1023 (Aug)***

## **'Indocid' can help**

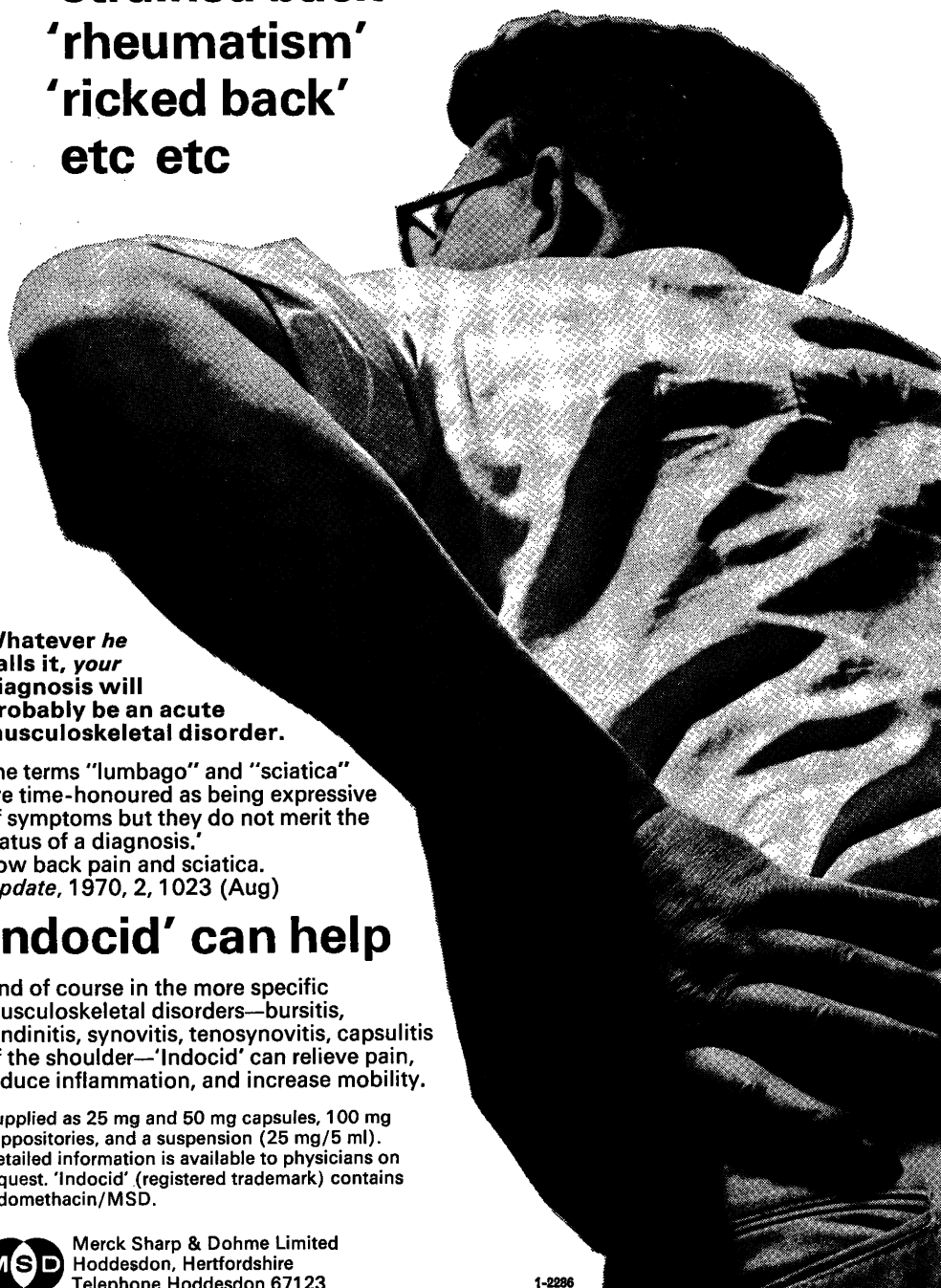
**And of course in the more specific  
musculoskeletal disorders—bursitis,  
tendinitis, synovitis, tenosynovitis, capsulitis  
of the shoulder—'Indocid' can relieve pain,  
reduce inflammation, and increase mobility.**

**Supplied as 25 mg and 50 mg capsules, 100 mg  
suppositories, and a suspension (25 mg/5 ml).  
Detailed information is available to physicians on  
request. 'Indocid' (registered trademark) contains  
indomethacin/MSD.**



**Merck Sharp & Dohme Limited  
Hoddesdon, Hertfordshire  
Telephone Hoddesdon 67123**

1-2286



**“Significantly  
superior  
to diazepam”**

Curr. Therap. Res., (1971) 13: 561

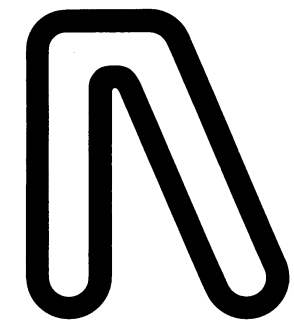
**INTEGRIN**  
capsule 10mg

unlike  
I  
the  
dist

**INTEGRAL**  
capsule 10mg

the 'fundamental' treatment for a

**other tranquillizers,  
integrin combats  
basic biochemical  
urbanance associated  
with anxiety.**



**g**

**anxiety**

## ● Found effective in 90% of patients

In recent G.P. studies improvement was shown in 9 out of 10 patients within 2 weeks. In double-blind comparisons with chlordiazepoxide, Integrin gave relief to nearly 10% more patients.

## ● Gives more profound relief from anxiety

Seventy eight patients, most of whom were already on tranquillo-sedatives, were switched to Integrin. Their average anxiety-rating dropped to less than one third of its previous level.

In another trial, Integrin gave complete—as opposed to partial—relief from anxiety within 4 weeks to as many as 35% of patients: nearly twice the rate of chlordiazepoxide.

## ● Lifts any depressive overlay

In contrast to the tranquillo-sedatives, Integrin actually enhances mood and restores a normal sense of well-being.

## ● Fast action—fast clinical response

Integrin answers the need for a faster acting tranquillizer. Clinical trials show that up to 90% of patients improve within the first week of treatment.

---

drowsiness not a serious problem

---

virtually free from toxicity

---

one single strength capsule with simple dosage

---

no reports of dependence

---

relieves depressive overtones

---

no effect on reaction-time at normal dosage

---

well tolerated even at 10 times normal dosage

---

# INTEGRIN

capsule 10mg

## THE 'FUNDAMENTAL' TREATMENT FOR ANXIETY

### *Indications:*

Acute and chronic anxiety states and psychosomatic conditions whether or not accompanied by depressive overlay; tension, apprehension, agitation and sleep disturbances.

### *Dosage:*

The usual adult dose is one 10mg capsule three times daily, with a further capsule at bedtime if required. In certain cases up to 60mg daily may be needed. Should a milder effect be required the midday dose may be omitted.

### *Side Effects:*

Even in high doses, Integrin is well tolerated, with only minor, often transient, side effects. Some patients may experience some drowsiness. Dry mouth and dizziness have also been reported.

### *Precautions:*

Alcohol or other tranquillizers may potentiate the effect of Integrin and patients intending to drive should be made aware of this. Where MAO inhibitors have been used, 2-3 weeks should elapse before Integrin is started.

### *Safety Margins:*

No substantiated reports of toxicity have been received, even where patients have taken up to the equivalent of 56 capsules in 24 hours. Neither dependence nor withdrawal symptoms have been reported.

### *Presentation:*

Containers of 100 capsules. Each grey/green capsule contains 10mg oxypertine.

### *Basic NHS Cost:*

One week's treatment (1 capsule 10mg t.d.s.) is 36p

Integrin is a registered trade mark.

Full information is available from

Winthrop Laboratories, Surbiton-upon-Thames, Surrey.

a product of **WINTHROP** research

# New assisted passage scheme

The formula which really assists and maintains free mucus flow in bronchial conditions—that is new **LINCTIFED\* EXPECTORANT**.

**LINCTIFED EXPECTORANT:**  
loosens thick tenacious sputum;  
decreases mucosal congestion;  
controls irritating, unproductive cough.

\*Trade mark

Available in two forms—

**LINCTIFED EXPECTORANT** and  
**LINCTIFED EXPECTORANT PAEDIATRIC**  
containing guaiphenesin, pseudoephedrine,  
triprolidine and codeine in a balanced  
formulation. **LINCTIFED EXPECTORANT**  
controls cough and clears the way for  
easier breathing.

Full information available on request.

## **LINCTIFED EXPECTORANT** **LINCTIFED EXPECTORANT PAEDIATRIC**



Burroughs Wellcome & Co. (The Wellcome Foundation Ltd.) Dartford, Kent

“...not only are the two primary pathogens, *Strep pneumoniae* and *H influenzae*, sensitive, but so are the secondary invaders such as *klebsiella* which often replace them after antibiotic treatment.”<sup>1</sup>

“...clearly superior to either of the other treatments...”<sup>2</sup>

“...indeed one cannot remember any other drug performing so well...”<sup>3</sup>

“...one is struck by the tremendous success rate, certainly superior to any antibacterial we have tested...”<sup>3</sup>

“It rapidly cleared purulent sputum with improvement in all 50 cases.”<sup>4</sup>

“Of the easily administered primary treatments for urinary tract infection, this combination is probably the best.”<sup>1</sup>

SEPTRIN® Tablets, Adult Suspension, Paediatric Suspension and Paediatric Tablets contain trimethoprim and sulphamethoxazole.

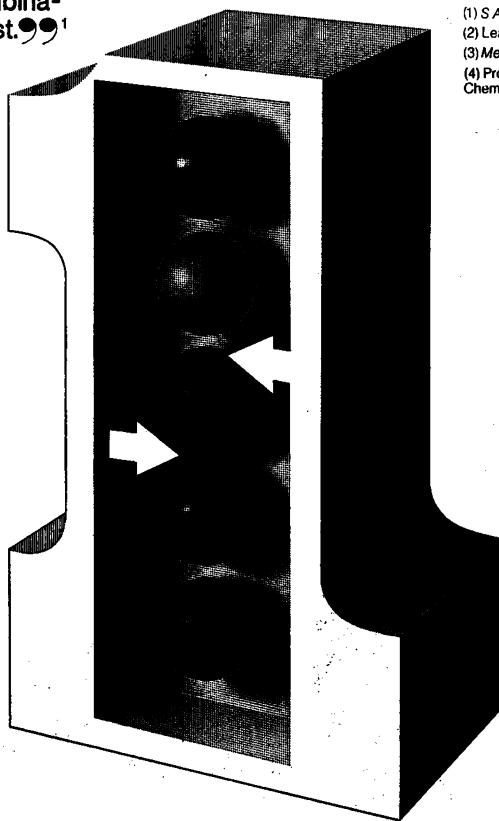
References to the role of the trimethoprim: sulphamamide combination in treating bronchitis and urinary infections

(1) *S Afr med J*, (1970) **44**, Supplement (August) 12.

(2) Leading Article, *Brit med J*, (1969) **1**, 525.

(3) *Med J Austr* (1971), **1**, 526.

(4) Proceedings of the V International Congress of Chemotherapy, (1967), **1**, 1. (A1 - 5a/3) 293.



# SEPTRIN

## eradicates infection by a double blockade of bacterial metabolism



\*Trade Mark

Full information is available on request.  
Wellcome Burroughs Wellcome & Co. (The Wellcome Foundation Ltd.) Dartford, Kent, DA1 5AH.





**WESTERN REGIONAL COMMITTEE  
FOR POSTGRADUATE MEDICAL  
EDUCATION**

**Seminar on the Epidemiology of  
Communicable Diseases**

A seminar on the epidemiology of communicable diseases will be held in Ruchill Hospital, Glasgow, NW, from 17 to 21 April, 1972.

The programme is designed for medical personnel in health departments, laboratory workers, infectious diseases physicians, general practitioners and other persons interested in the field of communicable diseases. Meetings will be held from 09.30 till late afternoon, Monday to Friday and will include, lectures, discussions and practical exercises.

The course fee is £30.

The number of places is strictly limited and early application is advised. Residential accommodation will be available, if required.

Further particulars and application forms may be obtained from the Dean of Postgraduate Medicine, The University, Glasgow, G12 8QQ.

**ARUNDEL, SUSSEX**—Retirement vacancy in three man practice available 1 July. Purpose built central surgery, appointment system, visiting consultant, full ancillary staff and S.R.N., plus attached nurse, midwife and health visitor. Exclusive use of cottage Hospital, full diagnostic facilities at nearby modern district hospital with excellent post-graduate centre. Varied Clinical Assistantships available.

Dr Jelly, The Surgery, Arundel, Sussex.

**NATIONAL ASSOCIATION FOR  
MENTAL HEALTH**

*Family Psychiatry for Family Doctors*  
Current trends in Psychiatry.

New developments in the mental health field.

The NAMH offers week-end courses, recognised by Postgraduate Medical Federation for small groups.

**Director**—Malcolm Pines, FRCP, DPM, Senior Lecturer in Psychotherapy, Hon. Psychiatrist, St. George's Hospital Medical School.

**Basic Course**—10–12 March, 1972  
(closing date, 25 February).

**Advanced Course**—10–12 November, 1972.

**Further Details:** N.A.M.H., 39 Queen Anne Street, London W1M 0AJ.

**VACANCY FOR TRAINEE GENERAL PRACTITIONER.** South Warwickshire rural group practice, centred on small country town, within two hours of London, Oxford and Birmingham, has a vacancy for a trainee. Full ancillary staff, including practice nurses employed. Appointment system. Ample opportunities for leisure activities and for study, including short hospital, L.H.A. and other attachments, and regular attendance at R.C.G.P. training course. N.H.S. salary (£2184–£2760, depending on previous hospital experience) and car allowance payable—car essential. Furnished bungalow available at reasonable rent.—Dr Healy, Craven Lane, Southam, Leamington Spa.

**TRARALGON MEDICAL GROUP**

There are two (2) vacancies for **GENERAL PRACTITIONERS** in this medical group, as long term assistants with or without view. One-fifth equal share partnership. Excellent new premises, records, hospital and ancillary facilities, with scope for developing special interest, particularly surgery, obstetrics or general practice research. Four weeks annual leave, two weeks study leave, optional long service leave every five years, with good roster, minimal evening surgery and home visiting. Accommodation available. Salary by arrangement according to experience. Further details from Dr C. Bridges-Webb, Deaking St, Traralgon, Victoria, 3844. Australia.

**CLASSIFIED ADVERTISEMENTS**

Classified advertisements are welcomed and should be sent to: *The Journal of the Royal College of General Practitioners*, Classified Advertisement Department, 5 Bentinck Street, London W1M 5RN.

The charge for this service is 40p per line plus 20p if a box number is required. Fellows, members and associates of the Royal College of General Practitioners may claim a ten per cent reduction.

The inclusion of an advertisement in this *Journal* does not imply any recommendation and the Editor of the *Journal of the Royal College of General Practitioners* reserves the right to refuse or stop the insertion of any advertisement.