

# The Journal of Laryngology and Otology

EDITED BY

WALTER HOWARTH

ASSISTANT EDITOR

R. SCOTT STEVENSON

WITH THE COLLABORATION OF

G. H. BATEMAN V. E. NEGUS R. G. MACBETH

## Contents

|   |               |
|---|---------------|
| THE USE OF SYSTEMIC AUREOMYCIN AND PENICILLIN IN<br>THE TREATMENT OF CHRONIC NASAL INFEC-<br>TION . . . . .   | P. F. KING    |
| THE MECHANISM OF THE COCHLEA . . . . .  | R. THOMAS     |
| STAPEDIAL FIXATION AND OTOSCLEROSIS: THE DIF-<br>FERENTIAL DIAGNOSIS . . . . .  | N. ASHERSON   |
| CLINICAL RECORDS—   |               |
| PRESERVATION OF HEARING AFTER REMOVAL<br>OF THE STAPES . . . . .  | G. H. BATEMAN |
| A CASE OF SUCCESSFUL RESTORATION OF THE<br>HEARING BY FENESTRATION IN SPITE OF<br>DAMAGE TO THE MEMBRANOUS EXTERNAL<br>SEMICIRCULAR CANAL . . . . . | G. H. BATEMAN |
| A CASE OF CREEPING PERIOSTITIS . . . . .  | I. S. THOMSON |
| CLINICAL NOTE—  |               |
| BRONCHOGRAPHY BY CRICO-THYROID PUNCTURE . . . . .   | BEN COHEN     |
| GENERAL NOTES   |               |

London

Headley Brothers Ltd

109 Kingsway WC2

Monthly, 7/6 net post free

Annual Subscription £3/3/0 net

# The Journal of Laryngology and Otology

(Founded in 1887 by MORELL MACKENZIE and NORRIS WOLFENDEN)

EDITED BY

WALTER HOWARTH

ASSISTANT EDITOR

R. SCOTT STEVENSON

WITH THE COLLABORATION OF

G. H. BATEMAN      V. E. NEGUS      R. G. MACBETH

1. Original Articles are accepted on the condition that they have not been published elsewhere.

2. Manuscripts should be typewritten, on one side only of the paper, and well spaced.

The Harvard system of recording references should be used, e.g. GREEN, C., and BROWN, D. (1951) *J. Laryng. and Otol.*, 65, 33.

It is most important that authors should verify *personally* the accuracy of every reference before submitting a paper for publication.

3. Galley proofs and engraver's proofs of illustrations are sent to the author. Corrections, which should be kept to a minimum, must be clearly marked, and no additional matter added.

4. The *Journal* bears the cost of illustration blocks up to the value of £2 for each article, but any expense above this will have to be borne by the author.

5. Orders for reprints should be sent when returning galley proofs, and for this purpose special forms are supplied.

6. Authors of original communications on Oto-Laryngology in other journals are invited to send a copy, or two reprints, to the *Journal of Laryngology*. If they are willing, at the same time, to submit their own abstract (in English, French, Italian, or German) it will be welcomed.

7. Editorial communications may be addressed to THE EDITOR, *Journal of Laryngology*, c/o HEADLEY BROTHERS LTD, 109 Kingsway, London WC 2.

8. The annual subscription is three guineas sterling, post free, and is payable in advance.

9. Single copies will be on sale at 7s. 6d. each; copies of parts up to Vol. LXIII may be purchased at 4s. each.

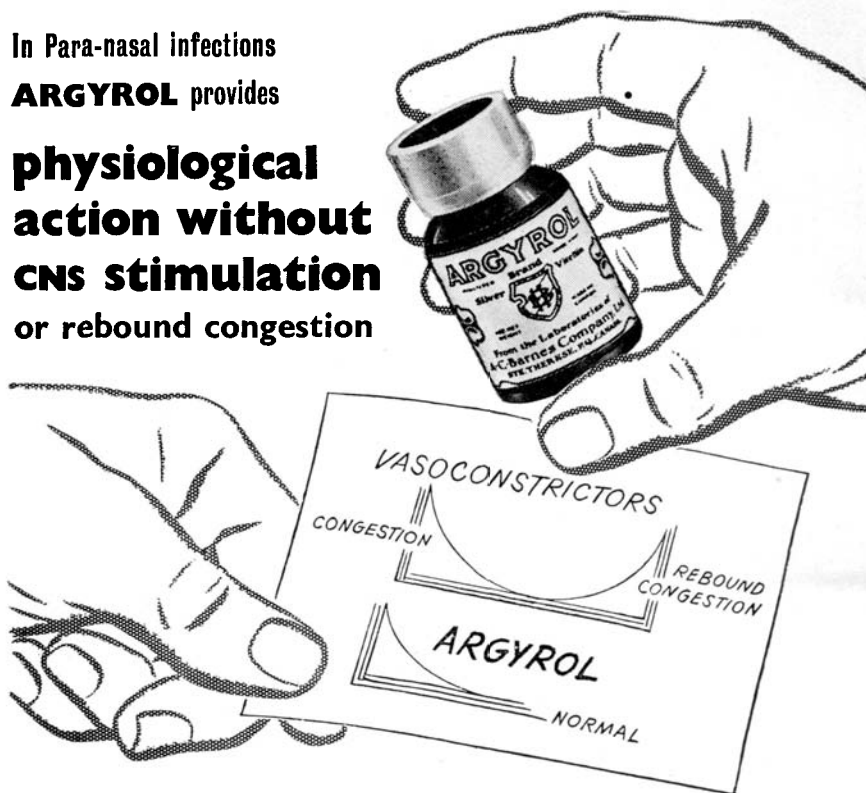
10. All subscriptions, advertising and business communications should be sent to the publishers, HEADLEY BROTHERS LTD, 109 Kingsway London WC 2.

#### *United States of America*

Orders for this *Journal* may be sent either through a local bookseller, or to Messrs. G. E. STECHERT & Co., 31-33 East 10th Street, New York, or they may be sent direct to the publishers, HEADLEY BROTHERS LTD, 109 Kingsway London WC2, England.

Please mention *The Journal of Laryngology* when replying to advertisements

In Para-nasal infections  
**ARGYROL** provides  
**physiological  
 action without  
 CNS stimulation  
 or rebound congestion**



● A return to normal function by the decongestive, demulcent and bacteriostatic actions of ARGYROL is achieved without the side effects and rebound so frequent with many vasoconstrictors. In the solution of para-nasal problems, the ultimate advantages of using ARGYROL are readily apparent.

**The ARGYROL Technique**

1. The nasal meatus . . . by 20 per cent ARGYROL instillations through the nasolacrimal duct.
2. The nasal passages . . . with 10 per cent ARGYROL solution in drops.
3. The nasal cavities . . . with 10 per cent ARGYROL by nasal tamponage.

**Its Three-fold Effect**

1. Decongests without irritation to the membrane and without ciliary injury.
2. Definitely bacteriostatic, yet non-toxic to tissue.
3. Stimulates secretion and cleanses, thereby enhancing Nature's own first line of defence.



**Decongestion and Relief without Rebound ● Decongestion without Dysfunction  
 —the medication of choice in treating para-nasal infection.**

\* Argylol is a registered trade mark, the property of the makers  
 A. C. BARNES COMPANY, NEW BRUNSWICK, N.J.

**Sole distributors in U.K.—FASSETT & JOHNSON LTD., 86 CLERKENWELL RD., LONDON, E.C.1**

Please mention *The Journal of Laryngology* when replying to advertisements



## AMPLIVOX MODEL 61 THE CLINICAL AUDIOMETER OF INTERNATIONAL REPUTE

"Messrs. Amplivox were among the first firms to produce an audiometer in this country, and their larger model is one of the best instruments of the kind now made in the world at a competitive price."—The LANCET, 23-12-50.

- Eleven exact test frequencies 125-12,000 c.p.s.
- Simplified hearing loss dial. The same set of figures is read for both bone and air conduction at all frequencies, and for speech.
- Bone conduction tests can be made from 125-4,000 c.p.s.
- Masking Tone calibrated in decibels, permitting accurate control of masking.
- Double Air receivers enable test tones to be switched instantly from ear to ear.
- Speech test circuit monitors speech level, permitting accurate measurement of hearing loss for speech.
- Loudness Balance Control establishes presence of recruitment in monaural deafness.
- Automatic voltage compensator.

Recruitment Test Set accessory establishes presence of recruitment by amplitude modulation, enabling each ear to be tested independently.

Speech Turntable and English-made Harvard Spondee records also available.

Full details are available from the manufacturers who will gladly arrange demonstrations if required.



*The Basic Instrument of Modern Otology*

**ACCURATE • COMPLETE • SIMPLE TO OPERATE**

**AMPLIVOX LTD., 2 BENTINCK ST., LONDON, W.1 (Welbeck 2591)**

Please mention *The Journal of Laryngology* when replying to advertisements

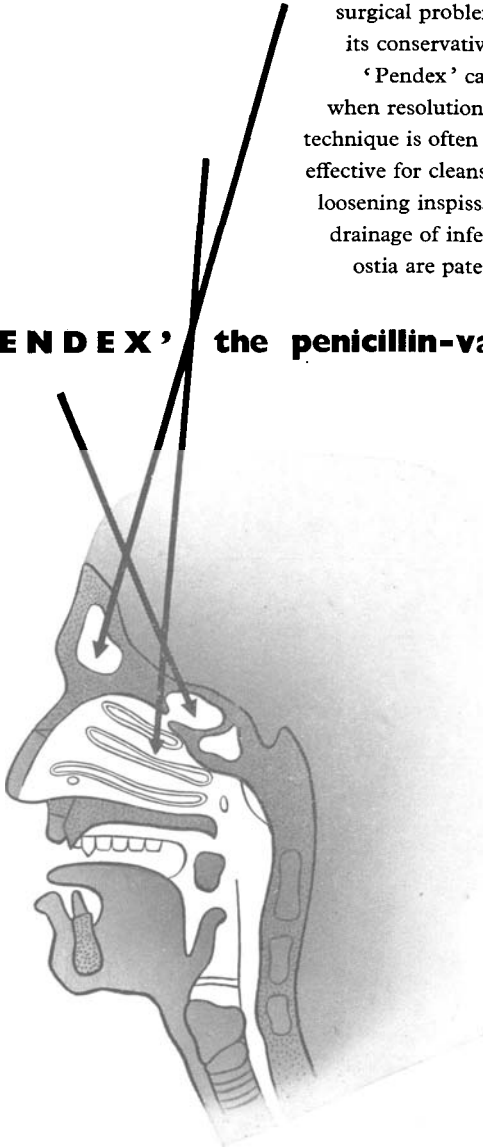
**Effective local treatment of sinusitis . . .**

Sinusitis is now regarded as a medical rather than a surgical problem and many authorities recommend its conservative treatment.

'Pendex' can be used for sinus irrigation, but when resolution is delayed the Proetz\* displacement technique is often of great assistance. This method is effective for cleansing the mucosa of the nasal sinuses, loosening inspissated secretions, and bringing about drainage of infected sinuses provided the natural ostia are patent and the mucosa is not polypoid.

**'PENDEX' the penicillin-vasoconstrictor**

aids drainage from the sinuses without impairing ciliary activity, and ensures an adequate concentration of penicillin at the site of infection.



**'PENDEX'**

is available—on prescription only—in 15 ml. (½-oz.) bottles.  
Detailed information on 'Pendex' is available on request.

**MENLEY & JAMES, LIMITED, Coldharbour Lane, London, S.E.5**  
for *Smith Kline & French International Co.,*  
owner of the trade mark 'Pendex'

\* **Proetz, A. W., (1946).** Displacement Method of Sinus Diagnosis and Treatment, St. Louis and London: H. K. Louis & Company.

FXP92

Please mention *The Journal of Laryngology* when replying to advertisements

## CONTENTS

|  | PAGE |
|--|------|
| THE USE OF SYSTEMIC AUREOMYCIN AND PENICILLIN IN THE TREATMENT OF CHRONIC NASAL INFECTION. P. F. King (London) . . . . .   | 529  |
| THE MECHANISM OF THE COCHLEA. R. Thomas (York) . . . . .   | 543  |
| STAPEDIAL FIXATION AND OTOSCLEROSIS: THE DIFFERENTIAL DIAGNOSIS. N. Asherson (London) . . . . .  | 552  |
| CLINICAL RECORDS—  |      |
| Preservation of Hearing after removal of the Stapes. G. H. Bateman (London) . . . . .  | 570  |
| A Case of Successful Restoration of the Hearing by Fenestration in spite of Damage to the Membranous External Semicircular Canal. G. H. Bateman (London) . . . . . | 572  |
| A Case of Creeping Periostitis. I. S. Thomson (Aberdeen)   | 574  |
| CLINICAL NOTE—   |      |
| Bronchography by Crico-thyroid Puncture. Ben Cohen (London) . . . . .  | 576  |
| GENERAL NOTES . . . . .  | 581  |

## BINDING

### Journal of Laryngology & Otology

Subscribers wishing to have their Journals bound can do so by sending them to the Publishers.

Volumes are strongly bound in whole dark blue buckram cases, with gold lettering on spine. The cost of binding is 25s. per volume, including postage.

Some missing parts can be supplied at 7s. 6d. each, or the whole volume, complete in the above binding, for 88s.

Publishers' cases can be supplied for 10s., including postage.

**HEADLEY BROTHERS LTD, 109 KINGSWAY LONDON WC 2**

Please mention *The Journal of Laryngology* when replying to advertisements