

# The Journal of Laryngology and Otology

EDITED BY

WALTER HOWARTH

ASSISTANT EDITOR

G. H. BATEMAN

WITH THE COLLABORATION OF

V. E. NEGUS R. G. MACBETH

## Contents

THE PRINCIPLES OF PLASTIC SURGERY OF THE SOUND- CONDUCTING APPARATUS . . . . .	FRITZ ZÖLLNER ✓
FUNCTIONAL SURGERY OF CHRONIC OTORRHOEA . . . . .	L. PIETRANTONI and E. BOCCA ✓
BACILLUS ACIDOPHILUS IN THE THERAPY OF CHRONIC INFLAMMATIONS OF THE MIDDLE EAR . . . . .	KRUNA TOMIĆ-KARVIĆ and DJORDJE NEMANIĆ
THE EAR AS A MEDICO-LEGAL PROBLEM. . . . .	AHMAD EL-HAKEEM
ACRYLIC-IMPLANTS IN DORSAL LINE RECONSTRUCTION AND TIP SUPPORT OF THE NOSE . . . . .	HAJEK ELCHANAN FR.
CLINICAL RECORDS—	
TRAUMATIC MENINGO-LABYRINTHITIS . . . . .	J. A. DE CAMPOS HENRIQUES
ACUTE MYELOID LEUKÆMIA PRESENTING AS ACUTE FRONTAL SINUSITIS . . . . .	J. D. K. DAWES and C. I. LEVENE
CLINICAL NOTE—	
THE BINAURAL BEAT PHENOMENON . . . . .	J. FULFORD JARVIS
SOCIETIES' PROCEEDINGS—	
ROYAL SOCIETY OF MEDICINE—SECTION OF OTOLGY	✓
GENERAL NOTES	

London

### Headley Brothers Ltd

109 Kingsway WC2



# The Journal of Laryngology and Otology

(FOUNDED in 1887 by MORELL MACKENZIE and NORRIS WOLFENDEN)

EDITED BY  
WALTER HOWARTH

ASSISTANT EDITOR  
G. H. BATEMAN

WITH THE COLLABORATION OF  
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. Captions to illustrations should be typed on a separate sheet and sent at the same time as original photographs etc.

The Harvard system of recording references should be used, e.g. GREEN, C., and BROWN, D. (1951) *J. Laryng.*, 65, 33. Abbreviations of Journals should follow the style recommended in *World Medical Periodicals*, published by World Health Organization 1952.

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 extra matter added. Proofs should be returned within 5 days.

4. Illustration blocks are provided free up to the limit of £5 per article; beyond this authors are expected to pay half the cost. Coloured illustrations will be charged in full to authors.

Blocks will normally be held by the Printers for three years after which they will be destroyed. Any author who has borne a part of the cost of his blocks is entitled to have these returned to him, but a request for this must be sent within three years of the appearance of the article, to HEADLEY BROTHERS LTD., 109 Kingsway London, WC2.

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, WC2.

8. The annual subscription is three guineas sterling (U.S.A. \$10) 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, WC2.

#### *United States of America*

Orders for this *Journal* may be sent through local bookseller, or to STECHERT-HAFNER, INC., 31-33 East 10th Street, New York, or direct to the publishers, HEADLEY BROTHERS LTD. 109 KINGSWAY LONDON, WC2, England.

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

# *The most popular Hearing Aids*

**Our first all transistor hearing aid was supplied in March 1954; since then, we believe that we have made more all-transistor instruments than any other manufacturer in Great Britain.**

Our success has been due to:

- ★ Better performance and quality of reproduction than we have ever achieved before.\*
- ★ A range of models which enable us to deal equally successfully with perceptive cases requiring Automatic Volume Control, and exceptionally severe cases of deafness for whom very large amplification and power output are needed.
- ★ Reliability coupled with negligible running costs.

\* *National Institute for the Deaf Technical Report No. 15, March, 1955*

Our instruments are widely distributed throughout Great Britain and overseas. Prices in Great Britain and Eire, from 39 gns.; Valve Aids from 27 gns.

**MULTITONE ELECTRIC COMPANY LIMITED**

*(Signatories to the National Institute for the Deaf Agreement)*

**25 DOVER STREET · LONDON · W1 (TELEPHONE: HYDE PARK 9977)**

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



**Broad spectrum antibiotic**

The word "antibiotic" was first used in 1889. Vuillemin, introducing it, said: "The conception is so simple that no one has ever thought of giving it a name". Since then, antibiotics have been produced from fungi, lichens, algae and bacteria. An outstanding member of the bacterial group is *tyrothricin*, which forms the basis of **TYROSOLVEN** antibiotic lozenges. It is effective against a wide spectrum of oral bacteria, and relieves superficial mouth and throat infections.

**ACTIVE CONSTITUENTS:**  
Tyrothricin 1 mg., benzocaine 5 mg.

**PACKING:**  
Packs of 20 lozenges and dispensing pack of 250 at 15/- not subject to Purchase Tax.

**Tyrosolven**

No Warner preparation has ever been advertised to the public.  
WILLIAM R. WARNER & Co. Ltd.  
Power Road, London, W.4.

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



## *A New Speech Audiometer*

This instrument is made in accordance with the general specification laid down in a Paper by J. J. Knight and T. S. Littler: "The Technique of Speech Audiometry and a Simple Speech Audiometer with Masking Generator for Clinical Use" (*Journal of Laryngology and Otology*, Vol. LXVII, No. V, May 1953). It comprises:

- 1: A 3-Speed Record Player.
- 2: The main unit, as illustrated, containing a High Fidelity 10 watt Amplifier, Monitoring Meter, Attenuator covering  $-2\frac{1}{2}$  db. to  $+105$  db. with respect to threshold in  $2\frac{1}{2}$  db. steps and a White Noise Generator with an output of 0 to 100 db. controlled in 10 db. steps which is fed to a single earphone.
- 3: A 12 inch loudspeaker in wooden cabinet of appropriate size with an attachment for positioning the patient's ear 12 inches from it.

*Manufactured and Supplied by*

**MULTITONE ELECTRIC COMPANY LIMITED**

*(Signatories to the National Institute for the Deaf Agreement)*

**25 DOVER STREET · LONDON · W1 (TELEPHONE: HYDE PARK 9977)**

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



## PETERS AUDIOMETERS

The SPD/2 Clinic Audiometer (illustrated) and the simpler SPD/3 Consulting Audiometer combine the advantages of both continuous and fixed frequency instruments. They each provide a continuous frequency range with continuous threshold compensation so that all hearing loss readings for air and bone conduction at any desired frequency are taken from the same zero reference level. In addition the continuous variability of the attenuator, makes it completely silent.

The Clinic Audiometer incorporates facilities for performing almost all known audiometric tests while the Consulting Audiometer fulfils normal clinical requirements.

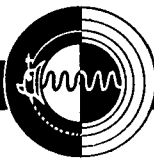
Speech audiometric accessories and a Peepshow for the testing of young children are available for both instruments. Please write for a descriptive brochure.

*London Representatives:—Acousticon, 122 Wigmore St., W.1.*

*Representatives in almost all countries*

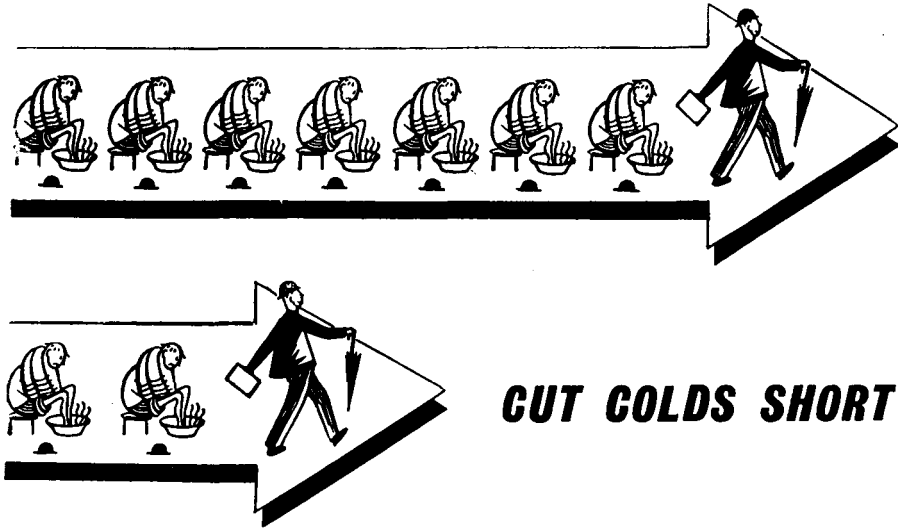
# ALFRED PETERS & SONS LTD

89 ARUNDEL ST.



SHEFFIELD 1.

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



## **CUT COLDS SHORT**

Just because little can be done to prevent the common cold, there is no reason why the secondary infections that so frequently follow it should be allowed full liberty to prolong the ill effects. If given at the first sign of a cold 'Sulfex' intranasal therapy controls these secondary invaders, curtailing the course of the illness, and lessening the risk of more serious sequelae.

**'SULFEX'**

**Vasoconstriction in minutes . . .**

**. . . bacteriostasis for hours**

*Issued in 1-oz. and 8-oz. bottles*

*For cost to N.H.S., see latest M. & J. list sent out July, 1955*



**SMITH KLINE & FRENCH INTERNATIONAL CO.**

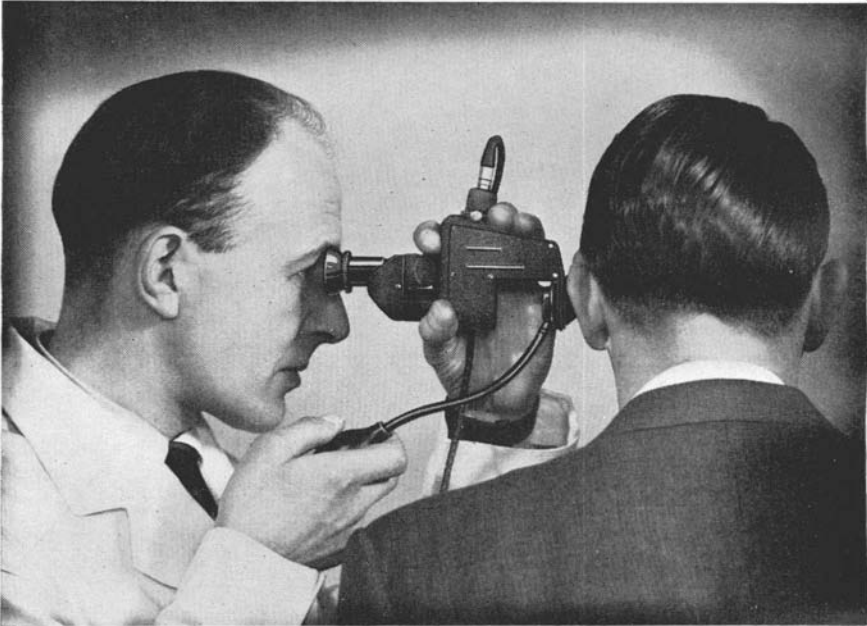
represented by **Menley & James, Ltd.**, Coldharbour Lane, London, S.E.5 Tel: BRixton 7851

**SKF103\***

*'Sulfex' is a registered trade mark. Samples available on request*

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

**THE  
HALLPIKE-BLACKMORE  
MONOCULAR  
EAR MICROSCOPE\***



Pat. appl. for

**THIS** new instrument represents an important contribution to otology. It facilitates accurate clinical diagnosis and operative work of high precision.

- Intense light from 12 watt, silvered, pre-centred lamp.
- Unique dazzle-free optical system provides a critically defined image of the entire tympanic membrane at optimum  $\times 6$  magnification.
- Variable field of view controlled by iris diaphragm in eyepiece to ensure total exclusion of reflexions from speculum walls.
- Ample space for insertion of operating instruments.
- Complete in carrying case with built-in transformer to permit use of the instrument on ward rounds, in consulting-rooms or theatre.

\**J. Laryng.* (1953), 67, 108.

**39 WIGMORE STREET  
LONDON W.1**



**617 S. 52nd STREET  
PHILADELPHIA 43**

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, English made P.B. and Harvard Spondee Records available.

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



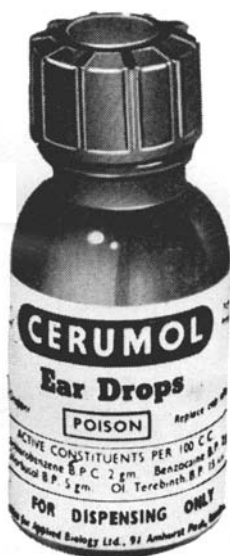
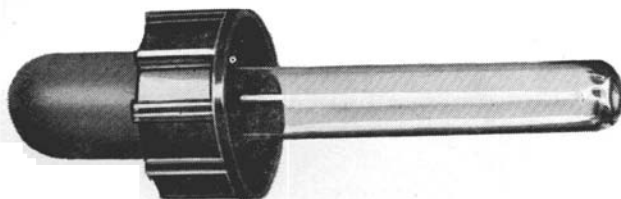
*The Basic Instrument of Modern Otology*

**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

## An easier way of removing EAR WAX



Hitherto, the removal of wax from the external auditory meatus has commonly necessitated two attendances by the patient—first for diagnosis and prescription of a suitable loosening agent—the second, two or three days later, for syringing. Now, by the use of Cerumol Ear Drops, wax can be removed, in the majority of cases in one visit. A few drops of Cerumol are instilled into the ear, and, while another patient is being seen to, the soft cerumen dissolves and the harder wax disimpacts. The resultant débris can then be cleared by gentle syringing. Only when the wax plug is abnormally hard, is it necessary for the administration of Cerumol to be prolonged and the patient told to return for syringing at a later date. In many cases, Cerumol can be instilled by patients in their own home and, as the wax has frequently been found to come out of its own accord, further visits are unnecessary. Cerumol is anti-bacterial, efficient, and harmless to the lining of the external auditory meatus or to the tympanic membrane. Accepted for use in a large number of hospitals and general practices, Cerumol is included in Category No. 4 of the M.O.H. classified list of Proprietary Preparations, and may therefore be prescribed on N.H.S. form E.C.10.

**CERUMOL** **EAR DROPS**  
Regd TRADE MARK

*Samples of Cerumol will gladly be sent to members of the Medical Profession, on application to the Distributors:*

**TAMPAX LIMITED**

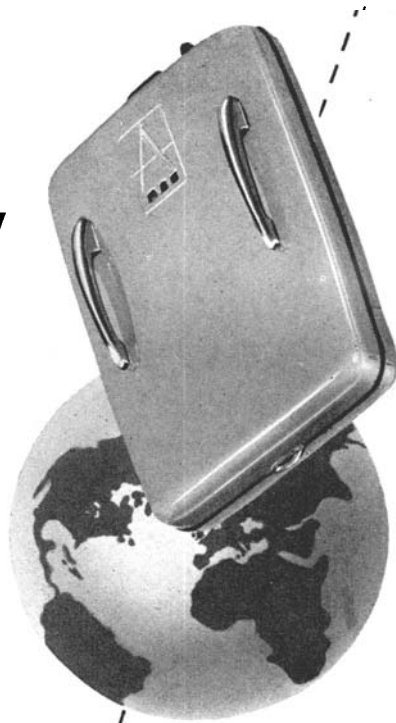
Medical Department, Belvue Rd., Northolt, Greenford, Middx. Tel: WAX 2244-7  
 A Product of the Laboratories for Applied Biology Ltd., London, N.16.

**PACKS** for Surgery Use: 10 c.c. vial—separate dropper included (Basic N.H.S. price 2/8d.) For Hospital Use: 2 oz. and 10 oz. bottles.

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

*The finest  
Hearing Aid  
in the  
World*

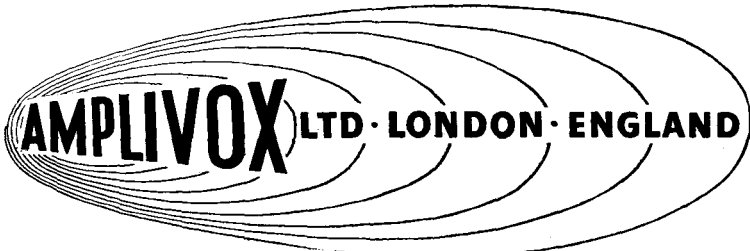
*is made in  
England by Amplivox*



★ **VERY WIDE RANGE OF FREQUENCY RESPONSE**  
The advanced circuit design of the Amplivox "A" series ensures an exceptionally wide frequency response with a correspondingly high standard of clarity of sound reproduction unequalled in any other hearing aid manufactured either in Europe or in America

★ **VERY WIDE RANGE OF ADJUSTMENTS FOR INDIVIDUAL FITTING**  
The Amplivox "A" series models are outstanding for their range of

adjustments, designed to meet all types of hearing loss. The fitting facilities of the instruments include selective amplification of high and low notes and automatic volume compression. A 3-volt battery can be used in place of the standard 1.5 volt battery to provide extra gain and amplification for the very deaf. In design and performance Amplivox Hearing Aids lead the world



47/48 New Bond Street, London, W.1 Hyde Park 9888-9  
WORLD-WIDE DISTRIBUTION AND SERVICE

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



## CONTENTS

	PAGE
THE PRINCIPLES OF PLASTIC SURGERY OF THE SOUND-CONDUCTING APPARATUS. Fritz Zöllner (Freiburg, Germany) . . . . .	637
FUNCTIONAL SURGERY OF CHRONIC OTORRHŒA. L. Pietrantoni and E. Bocca (Milan) . . . . .	653
BACILLUS ACIDOPHILUS IN THE THERAPY OF CHRONIC INFLAMMATIONS OF THE MIDDLE EAR. Kruna Tomić-Karović and Djordje Nemanić (Zagreb) . . . . .	657
THE EAR AS A MEDICO-LEGAL PROBLEM. Ahmad El-Hakeem (Cairo)	662
ACRYLIC-IMPLANTS IN DORSAL LINE RECONSTRUCTION AND TIP SUPPORT OF THE NOSE. Hajek Elchanaan Fr (Haifa) . . . . .	673
CLINICAL RECORDS—	
Traumatic Meningo-Labyrinthitis. J. A. de Campos Henriques (Lisbon) . . . . .	677
Acute Myeloid Leukæmia presenting as Acute Frontal Sinusitis. J. D. K. DAWES and C. I. LEVENE (Newcastle-upon-Tyne) . . . . .	681
CLINICAL NOTE—	
The Binaural Beat Phenomenon. J. Fulford Jarvis (Nairobi)	685
SOCIETIES' PROCEEDINGS—	
Royal Society of Medicine—Section of Otology . . . . .	687
GENERAL NOTES . . . . .	692

For Advertisement space in this Journal apply to:  
**HEADLEY BROTHERS Ltd, 109 Kingsway London WC2**

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