

The Journal of Laryngology and Otology

EDITED BY
G. H. BATEMAN

ASSISTANT EDITOR
LIONEL TAYLOR

Contents

Malignant Disease of the Nasopharynx	J. D. K. DAWES, D. G. HARKNESS, H. F. MARSHALL and P. J. VAN MIERT	211
Malignant Diseases of the Paranasal Sinuses in Nigeria	S. P. SINGH and F. D. MARTINSON	239
Oesophageal Fistulae Caused by Swallowed Foreign Bodies	ABDEL SALAM EL BARBARY, HASHEM FOAD and AHMED FATHI	251
Granuloma Gangraenescens	I. VATHY and A. SÁFRÁN	261
Neonatal Nasal Septal Deformities	W. S. PEASE	271
Specially Processed Heterogenous Bone and Cartilage Transplants in Nasal Surgery	GRAEME M. CLARK	275
Clinical Records—		
Primary Malignant Melanoma of the Larynx and Pharynx	ESA E. J. VUORI and MARTTI HORMIA	281
Oesophago-bronchial Fistula	D. DAYAL and A. P. SINGH	289
Case of Metastasis in the Temporal Bone from a Carcinoma of the Breast	H. MORUS JONES	293
Three Cases of Functional Deafness in the Same Family	JAAKKO S. LUMIO, TAPANI JAUHAINEN and KYLLIKKI GELHAR	299
General Notes		

Headley Brothers Ltd

Ashford, Kent

Annual Subscription £5/5/0 net, U.S.A. \$15

Monthly, 12/6 net, post free

The Journal of Laryngology and Otology

(FOUNDED in 1887 by MORELL MACKENZIE and NORRIS WOLFENDEN)

EDITED BY

G. H. BATEMAN

ASSISTANT EDITOR
LIONEL TAYLOR

1. Original articles which have not been published elsewhere are invited and should be sent to the Editor. They are considered for publication on the understanding that they are contributed to this *Journal* solely. Reproduction elsewhere, in whole or in part, is not permitted without the previous written consent of the Author and Editor and the customary acknowledgment must be made.

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 will normally be held by the Printers for three years, after which they will be destroyed. Any author 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., The Invicta Press, Ashford, Kent. Coloured illustrations will be charged to authors, unless a special grant is authorized by the Editor.

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

6. Editorial communications may be addressed to THE EDITOR, *Journal of Laryngology*, c/o HEADLEY BROTHERS LTD., The Invicta Press, Ashford, Kent.

7. The annual subscription is five guineas sterling (U.S.A. \$15) post free, and payable in advance.

8. Single copies will be on sale at 12s. 6d. each; copies of parts up to Vol. LXIII which are available may be purchased at 7s. 6d. each.

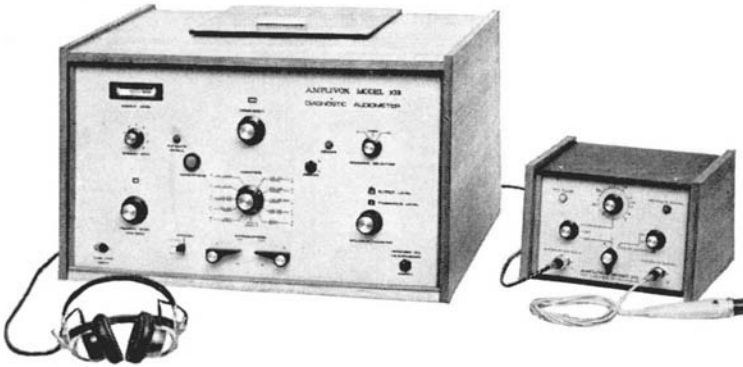
9. All subscriptions, advertising and business communications should be sent to the publishers, HEADLEY BROTHERS LTD., The Invicta Press, Ashford, Kent.

United States of America

Orders for this *Journal* may be sent through local booksellers, or to STECHERT-HAFNER, INC., 31-33 East 10th Street, New York, or direct to the publishers, HEADLEY BROTHERS LTD., The Invicta Press, Ashford, Kent, England.

© *Journal of Laryngology and Otology*, 1969

Announcing . . . an Audiometer of exceptional distinction



THE **AMPLIVOX** MODEL 103 DIAGNOSTIC AUDIOMETER

to ISO Specification R389:1964

A sophisticated design for the comprehensive evaluation of hearing acuity and the differential diagnosis of hearing impairments:

- * Easy-to-use controls for all tests from simple clinical to advanced research levels
- * Narrow band masking for pure tone, wide band white noise for speech
- * Unique masking threshold indicator
- * Plug-in Adaptor for SISI and Lüscher Tests
- * Unique Patient's Signal assists subject's concentration
- * Photo-electric switching for noise-free operation
- * Twin channel facilities with multiple switching for dozens of tests
- * Plug-in circuit boards for ease of service
- * Output for free field audiometry

Please write for technical literature

AMPLIVOX

Hearing Centres, Ltd
Beresford Avenue, Wembley, Middx. Tel: 01-902 8991

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

Specifically designed for you and your patients. Precision-engineered, functionally-built equipment for the Ear, Nose and Throat and other Specialists.

S.M.R. keeps you and your patients' comfort and satisfaction in mind. Whatever your needs . . . whether they be for one unit or a completely equipped treatment room, you are assured of the finest . . . a room that reflects professional good taste.



Picture shows what can be done with small treatment room areas. The rooms are complete from the compact treatment unit to the physician's stool. Yet, this equipment fits easily and functionally into a small area. This is just one of many room arrangements available from S.M.R.



STAINLESS STEEL POLISH

SMR Stainless Steel Polish cleans and preserves with superior results — ends fingerprints, watermarks and surface stains.

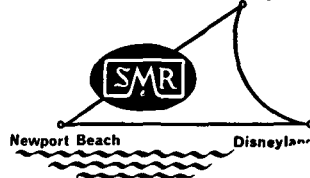
22 oz. economy size . . . \$2.50

SURGICAL MECHANICAL RESEARCH INC.

P.O. Box 1185, Newport Beach, Calif. 92663

FACTORY DIRECT SALES

Knott's Berry Farm



Please send for our new catalog
Direct factory sales, F.O.B. Newport Beach, Calif.

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

**WHEN A HEARING AID
IS RECOMMENDED**

**REFER YOUR PATIENTS
TO THE EXPERTS—**

AMPLIVOX

Hearing Aids

A wide selection of hearing aids always available from the world's manufacturers. We are the exclusive agent in the United Kingdom and Eire for Dahlberg, U.S.A., in addition to Amplivox.

Ear Defenders

All types of ear defenders available at all branches.

Medical Acoustic Division

Audiometers, Acoustic Booths, Group and Speech Training Hearing Aids. We are the exclusive agent for the United Kingdom and Eire for Tracor, U.S.A.

FOR YOUR PATIENTS' GREATEST SATISFACTION SPECIFY
AMPLIVOX HEARING CENTRES, THE ONLY COMPANY IN THE
WORLD MANUFACTURING AND SUPPLYING A COMPLETE
RANGE OF EQUIPMENT FOR THE PREVENTION, TESTING
AND ALLEVIATION OF DEAFNESS

AMPLIVOX HEARING CENTRES

80 NEW BOND STREET, LONDON, W.1. TEL.: 01-493 9888

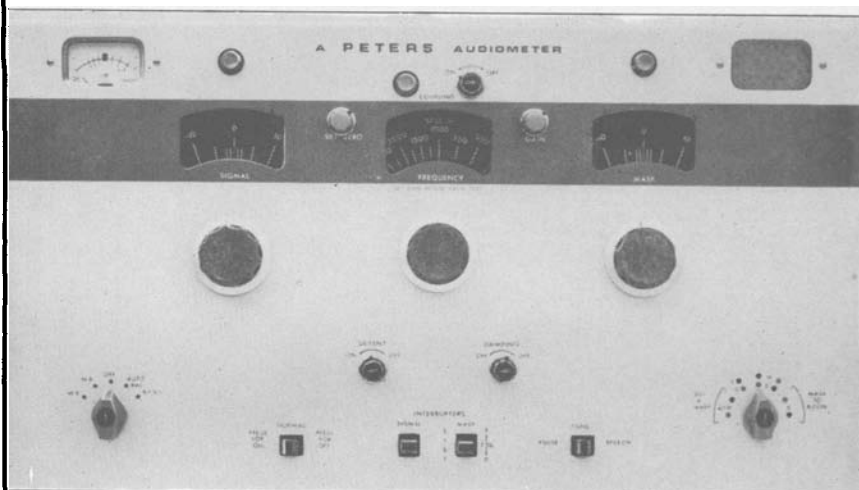
Branches at:

London · Birmingham · Bournemouth · Bristol · Cardiff · Dublin
Edinburgh · Glasgow · Leeds · Liverpool · Manchester · Newcastle · Wembley

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

PETERS AP/5 CLINIC AUDIOMETER

WITH SYNCHRONOUS MASKING



This new clinic audiometer of very advanced design offers:

- A continuous frequency range with continuously variable attenuation accurate and readable to less than 1 db.
- Synchronous masking. A new, accurate and speedier masking technique, which is semi-automatic.
- Narrow band masking for pure-tone measurements and white noise for speech.
- Automatic loudness balance switching.
- The SISI Test, the Rainville B.C. Test, automatic pulsing.
- Full speech facilities.
- Interchangeable slide and plug in sub-chassis.
- Operator checks of output and threshold.

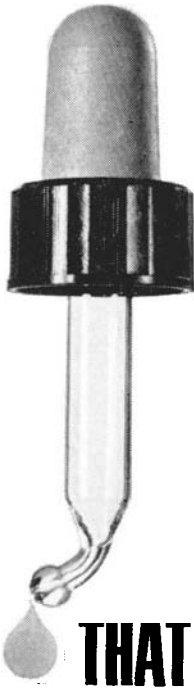
Five additional features are offered by the still more advanced
PETERS AP/6 CLINIC AUDIOMETER

Both audiometers can be used with the "PETERS" automatic
BÉKÉSY ACCESSORY

write for full details to:

ALFRED PETERS AND SONS LTD
GELL STREET SHEFFIELD 3

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



THE DROP THAT SOOTHES AND CLEARS THE INFECTED EAR

'Otosporin' rapidly destroys virtually *all* bacteria commonly found in ear infections, reduces irritation, inflammation and pain. 'Otosporin' brand Drops contain polymyxin B sulphate, neomycin sulphate and hydrocortisone in a bland suspension designed to facilitate penetration. Issued in bottles of 5 ml.

'OTOSPORIN'

Full information is available on request.



Burroughs Wellcome & Co. London
(The Wellcome Foundation Ltd.)

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

Refer your patients to

Ingrams

INDEPENDENT HEARING AID SUPPLIERS

*Ingrams have the
different makes
to choose from*

LONDON 2 Shepherd Street, London, W.1. Hyde Park 9041
(2 minutes from Green Park)

BIRMINGHAM 20 Auchinleck Sq, Broad St, Birmingham, 15. Midland 4314
(In the Five Ways Shopping Centre)

BRIGHTON 5 Duke Street, Brighton, 1, Brighton 28699
(First turning off West Street)

CROYDON 11 Essex House, College Road, Croydon. Croydon 4663
(Opposite the Technical College)

MANCHESTER Mansfield Chambers (Rooms 21 & 22), Blackfriars 4104
17 St. Anne's Square, Manchester, 2. (STD Code
(Off Deansgate) 061-834 4104)

...and in **SCOTLAND** it's **BONOCHORD-INGRAMS**...

ABERDEEN 461 Union Street, Aberdeen. Aberdeen 29632
(Near Holborn Junction)

EDINBURGH 17 Stafford Street, Edinburgh. Caledonian 1942
(Corner of Alva Street)

GLASGOW 38 Bath Street, Glasgow, C.2. Douglas 7710
(Next door to Glasgow Corporation
Transport Office)

Domiciliary visits in EVERY part of the country.

INGRAMS FOR THE LARGER RANGE OF HEARING AIDS—

Subscribers to the Code of Ethics of the Hearing Aid Industry Association.

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



P. C. WERTH LTD. Contractors to H.M. Government
and Local Authorities

*Specialist Supply, Maintenance, Calibration Services for Audiological
Test and Teaching Equipment*

17 STRATFORD PLACE, OXFORD ST., LONDON W1N 0DH

Telephone: 01-629 5559

*Clinical, Diagnostic, Screening and Bekesy Audiometers. Acoustic Impedance Apparatus.
Stereo Auditory Trainers. Visible Speech Apparatus. Artificial Mastoid, etc.*

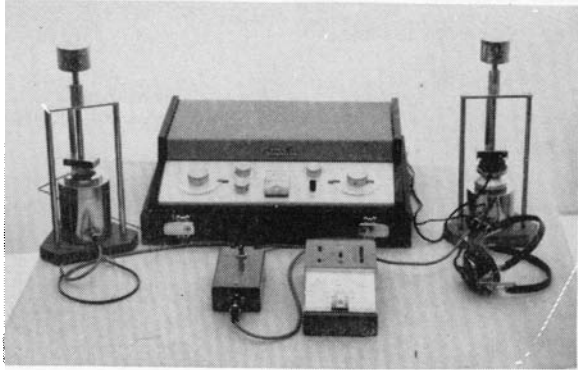
Kamplex set-up for Audiometer Calibration

Featuring Kamplex Artificial Mastoid and Artificial Ear.

Kamplex Sound Level Meter is linked to a special Calibration Unit.

Operation Selector and connecting cables.

Ideally suitable for all audiometric installations to achieve the necessary high degree of calibration.



THE LARYNGOSCOPE

A Monthly Journal
devoted to the disease of
EAR, NOSE AND THROAT

*Official organ for the American Laryngological
Rhinological and Otological Society*

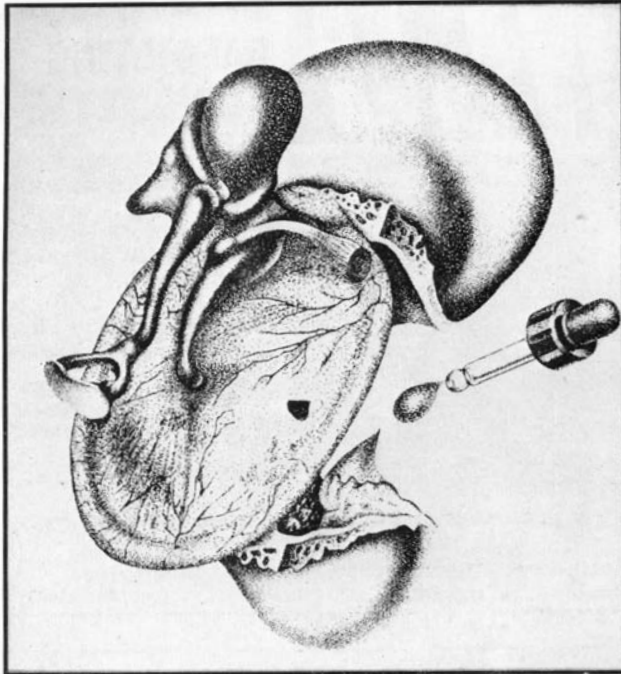
Price \$18.00 per year Canada \$19.00 per year
Foreign \$19.00 per year

ESTABLISHED 1896

THEODORE E. WALSH, M.D.
EDITOR

517 SOUTH EUCLID AVENUE
SAINT LOUIS MO. 63110.

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



Any earache, any age new AUDAX Ear Drops relieves pain in minutes

AUDAX* formulation is unique providing choline salicylate—a very effective local analgesic anti-inflammatory and anti-pruritic agent with its own spectrum of anti-microbial action together with a penetrant to assure direct contact with the painful area.

analgesic, antimicrobial
anti-inflammatory, anti-pruritic

AUDAX Ear Drops are indicated in the following clinical conditions - acute and chronic otitis media, acute and chronic otitis externa, inflammation in the external auditory canal, and for the relief of pruritus and pain of boils and furuncles in the external auditory canal.

AUDAX Ear Drops contain no sensitising or irritant constituents.

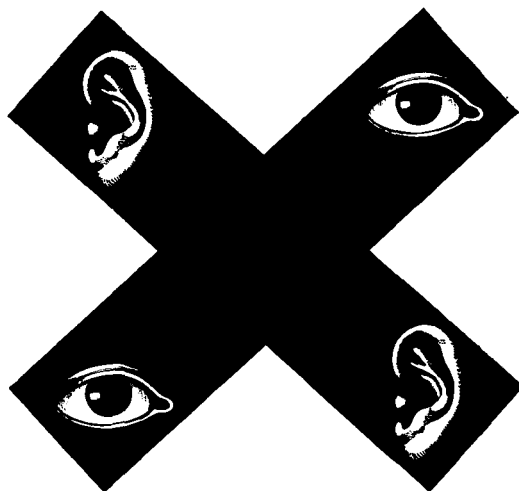


Full information on request
H R Napp Limited, Watford, England

*AUDAX is a regd. trade mark. A new product of Napp Group Research—dedicated to Physician and Patient.

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

eliminate the cross infection risk



Opulets
sterile, single dose
eye and ear preparations

To overcome the risk of contamination in eye and ear infections, Opulets have been developed as sterile, single dose eye and ear drop tubes and ointment capsules. Each is packed in a film sachet and sterilized by gamma radiation, ensuring effective sterilization with no loss of activity – the strict criteria of efficacy and safety being met in full.

After each application, these single dose units are discarded, eliminating cross infection risks – each treatment administered by either medical staff or the patient is thus under the most sterile conditions possible in practical medicine.

Opulets provide the lowest unit price available compared with all other preparations of a similar nature. Presentations available at present are:

Atropine Eye Ointment

Atropine Sulphate BP 0.5% w/w.

Chloramphenicol Eye and Ear Drops

Chloramphenicol BP 0.5% w/v.

Chloramphenicol Eye and Ear Ointment

Chloramphenicol BP 1.0% w/w.

Fluorescein Eye Drops

Fluorescein Sodium BP 1% w/v

Hydrocortisone/Neomycin Eye and Ear Ointment

Hydrocortisone Acetate BP 1.5% w/w

Noemycin BP 0.5% w/w.

Physostigmine Eye Drops

Physostigmine (Eserine) Sulphate BPC 0.5% w/v.

Sulphacetamide Eye Drops

Sulphacetamide Sodium BP 10% w/v.

Sulphacetamide Eye Ointment

Sulphacetamide Sodium BP 6% w/w.

full descriptive technical literature is available on request

Pharmax Limited Thames Road Crayford Kent



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