The Journal of Laryngology and Otology

EDITED BY

WALTER HOWARTH

ASSISTANT EDITOR G. H. BATEMAN

WITH THE COLLABORATION OF Sir V. NEGUS R. G. MACBETH

Contents

ON THE NATURE AND VICISSITUDES OF THE ACCESSORY AIR SPACES OF THE MIDDLE EAR	A. Tumarkin
THE PRESENT PLACE OF THE LARYNGO-FISSURE OPERATION	T. A. Howie
THE CHANGING ASPECT OF NASAL DISEASE	Ј. н. отту
SECRETORY OTITIS MEDIA	G. H. BATEMAN
CLINICAL RECORD—	
A REPORT ON OTITIS EXTERNA	A. E. Dossetor
Societies' Proceedings—	
ROYAL SOCIETY OF MEDICINE—SECTIONS OF LARYNGOLOGY AND OTOLOGY	

London

Headley Brothers Ltd

109 Kingsway W C2

The Journal of Laryngology and Otology

. (FOUNDED in 1887 by MORHLL MACKENZIE and NORRIS WOLFENDEN)

EDITED BY WALTER HOWARTH

ASSISTANT EDITOR G. H. BATEMAN

WITH THE COLLABORATION OF Sir V. 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, G., 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,

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.

The deaf child

For 23 years we've specialised in making group hearing-aid equipment and individual hearing aids with a range of characteristics wide enough to help any child who *can* be helped by sound amplification.

Particulars of the latest Range of Individual and Group Aids—believed to be the largest in existence—will be gladly sent to Medical Officers of Health, Educational Authorities and Schools.

multitone

HEARING AIDS

MULTITONE ELECTRIC COMPANY LIMITED

25 Dover Street, London, w.1. Telephone: HYDe Park 9977

Signatories to the National Institute for the Deaf Agreement

CBC 5 M



INVALUABLE AIDS TO DIAGNOSIS

THE RANGE of the internationally known Peters audiometers is designed to meet all audiometric requirements, from those of a large Clinic to audiometric tests in schools.

In addition to a large speech audiometer for free-field work the range includes three pure-tone audiometers:

The SPD/2 Clinic Audiometer illustrated above, a most comprehensive instrument providing many facilities for advanced techniques. The SPD/3 Consulting Audiometer designed to meet all normal audio-

metric needs.
The SPD/1 Portable (Basic Diagnostic) the most recent addition

to the range, which ideally fills basic requirements in a portable form.

All three instruments offer a single zero reference level for all measurements, the Peters patented continuously variable attenuator and provision for simple speed audiometry. All are made to the same high standard, differing only in the facilities which they offer.

For the convenience of specialists all these instruments are available for demonstration at the ACOUSTICON Showrooms or, on request, at the specialist's consulting room or hospital.



Literature and any information on request:

122 Wigmore Street, London, W.1. Telephone: Welbeck 0935 St. Ann's Arcade, 12 St. Ann's Square, Manchester.

Telephone: Blackfriars 2109

128 Hope Street, Glasgow, C.2. Telephone Central 4634

ALPRED PETERS AND SONS LIMITED, VICTORIA WORKS, GELL STREET, SHEFFIELD, 3

POST-TONSILLECTOMY COMFORT

Immediate pain relief—Speedier Convalescence

The pain of traumatized tissues following tonsillectomy, demands its own relief—and points the need for analgesia that quickly reaches the irritated area. ASPERGUM provides 'salivary analgesia' through the simple act of chewing - it brings pain-relieving acetylsalicylic acid into intimate and salicylic acid, permitting frequent prolonged contact with the tonsillar Particularly suitable for children.

region, seldom reached even intermittently by gargling. The rhythmic stimulation of muscular action also aids in relieving local spasticity & stiffness: more rapid tissue repair is promoted. Each pleasantly flavoured chewing gum tablet provides 3½ grains acetylsalicylic acid, permitting frequent use.

and welcome aid to patient-comfort

Ethically promoted in packages of 16 tablets and moisture proof bottles of 36 and 250 WHITE LABORATORIES LTD., 428, SOUTHCROFT ROAD, LONDON, S.W.16

THE LARYNGOSCOPE

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

Official organ for the American Laryngological, Rhinological and Otological Society

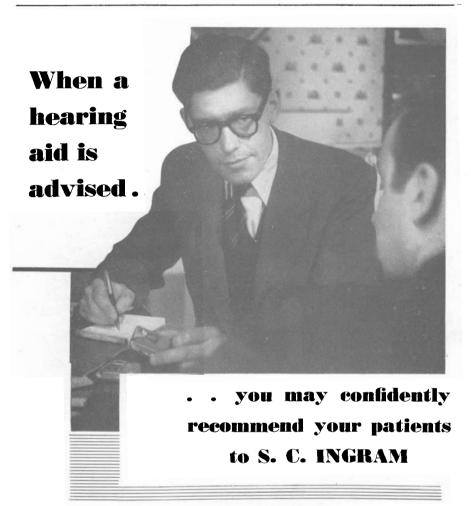
Price \$14.00 per year

Canada \$13.00 per year

MAX A. GOLDSTEIN, M.D. FOUNDER

THEODORE E. WALSH, M.D. EDITOR

640 SOUTH KINGSHIGHWAY SAINT LOUIS 10, MO.



- ★ They can try the different makes of hearing aids
- ★ They get impartial advice on all makes of hearing aids
- ★ Their personal needs are given individual and continued attention
- ★ A full report on each fitting recommended is sent to the patient's ear specialist
- ★ They can compare at one consultation the different makes one with another

S. C. INGRAM Independent Hearing Aid Consultant

On the approved List of the National Institute for the Deaf

2 SHEPHERD STREET, SHEPHERD MARKET, LONDON, W.1 Hyde Park 9042

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.

- 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.I (Welbeck 2591)

CONTENTS

	PAGE
On the Nature and Vicissitudes of the Accessory Air Spaces of the Middle Ear. A. Tumarkin (Liverpool)	211
THE PRESENT PLACE OF THE LARYNGO-FISSURE OPERATION. T. A. Howie (Glasgow)	249
The Changing Aspect of Nasal Disease. J. H. Otty (Bradford)	257
SECRETORY OTITIS MEDIA. G. H. Bateman (London)	261
CLINICAL RECORD— A Report on Otitis Externa. A. E. Dossetor (Newmarket) .	271
Societies' Proceedings—	
Royal Society of Medicine—Sections of Laryngology and Otology	276
GENERAL NOTES ,	294

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