

January 1956 ✓

Vol. LXX No. 1

Hom

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 ACTION OF THE MAMMALIAN OLFACTORY ORGAN (SEMON LECTURE)	LORD ADRIAN ✓
THE CALORIC TESTS	C. S. HALLPIKE ✓
ON THE USE OF BLOWN PLASTIC INSERTS IN MASTOID CAVITIES	G. GORDON MOWAT ✓ AND BERNARD HIGGINS
CLINICAL RECORDS—	
A CASE OF CONGENITAL SUBGLOTTIC STENOSIS	G. H. BATEMAN AND ✓ M. O. CARRUTHERS
NEURILEMMOMA (SCHWANNOMA) OF THE RETRO- SILLAR REGION	JOHN D. ARNEAUD ✓
FIBROUS DYSPLASIA OF THE SKULL	FRANCIS BAUER AND ✓ A. SUTCLIFFE KERR
GENERAL NOTES	

London
Headley Brothers Ltd
109 Kingsway WC2

Annual Subscription £3/3/0 net, U.S.A. \$10
<https://doi.org/10.1017/S0022215100952580> Published online by Cambridge University Press

Monthly, 7/6 net post free

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

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.



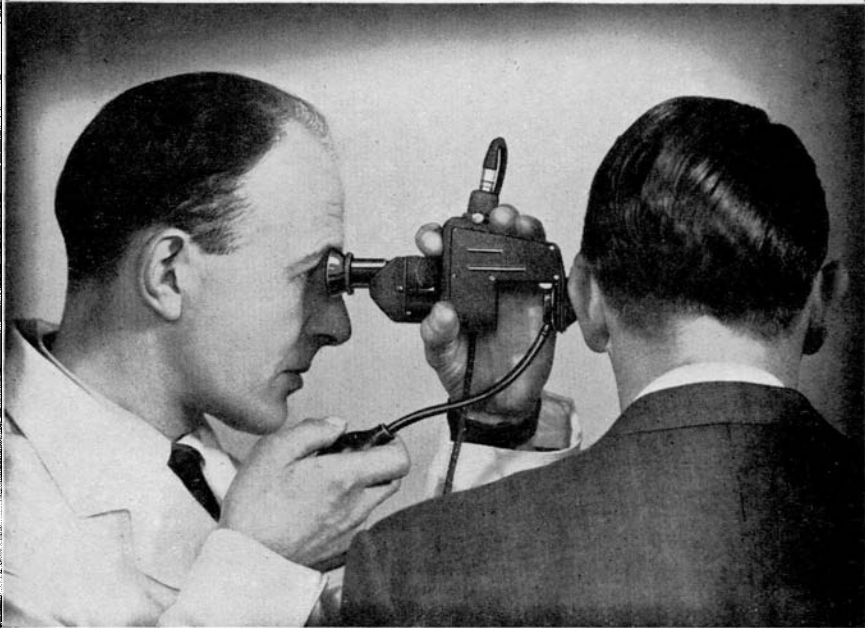
The Basic Instrument of Modern Otology

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

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



Patt. 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

*The finest
Hearing Aid
in the
World*

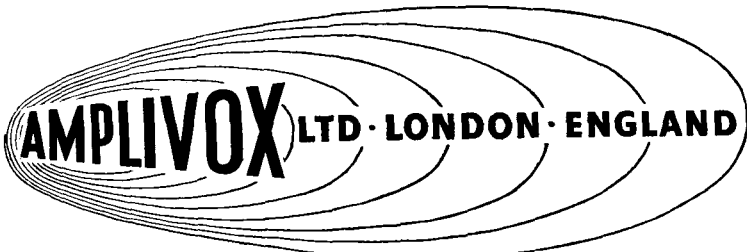
*is made in
England by Amplivox*



★ **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

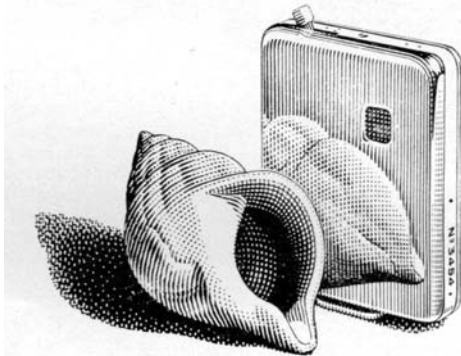
"PLAIN TALKS" No. 4.

PLAIN TALK

about *transistor* hearing aids

how much should you pay?

A good transistor aid costs money. For transistors are new and it takes a good deal of expensive research and experiment to get the best out of them. Because the quality of such work varies from place to place, transistor aids differ too. Cut out this development work and you can make some sort of a transistor aid for . . . well, almost any figure you care to name. The Multitone aids sell at as low a price as is possible if you are to get the full advantage of all that transistors can do for you. If you don't, there is small advantage in changing from your present valve aid. What can transistors do, rightly used? The best answer is a demonstration (entirely free from high-pressure salesmanship) at your nearest Multitone Centre. Why not write to us today for the address.



multitone
HEARING AIDS

MULTITONE ELECTRIC COMPANY LIMITED
25 Dover St., London, W.1. Tel: Hyde Park 9977
Signatories to the National Institute for the Deaf Agreement

CRC 4

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

HEARING AID ADVERTISING

On the facing page we reproduce the fourth of a series of "Plain Talks about Transistor Hearing Aids". This advertisement has already appeared in some of the leading National and Provincial newspapers in the United Kingdom. This and subsequent advertisements have been designed to help the public in the choice and use of a hearing aid. We have always been opposed to the sensational type of hearing aid advertising and we hope the quiet sincerity of these advertisements will be both effective and helpful.

We have the largest range of transistor aids available. These are widely distributed throughout Great Britain and overseas. Prices in Great Britain and Eire from 39 guineas. Valve aids from 27 guineas.

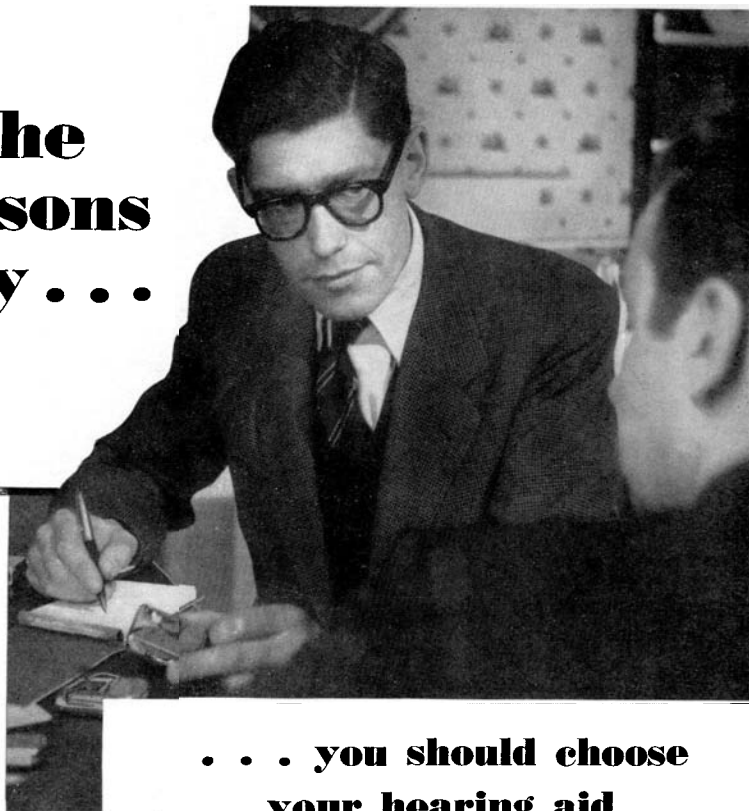
multitone

H E A R I N G A I D S

MULTITONE ELECTRIC COMPANY LIMITED
25, Dover St., London, W.1. Telephone: Hyde Park 9977
Signatories to the National Institute for the Deaf Agreement

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

5 of the reasons why . . .



. . . you should choose
your hearing aid
from **S. C. INGRAM**

- ★ You can try the different makes of Hearing Aids
- ★ You get impartial advice on all makes of Hearing Aids
- ★ Your personal needs are given individual and continued attention
- ★ You have our personal guarantee of satisfaction as well as the manufacturers' warranty
- ★ You can compare at one consultation the different makes one with another

MAKE AN APPOINTMENT NOW

There is no obligation, no consultation fee. If you cannot come to us, we will be pleased to call on you. Evening appointments up to 9 p.m.

write or telephone the INDEPENDENT Hearing Aid Consultants:

S. C. INGRAM & Co., 2 Shepherd St., Shepherd Market, London, W.1

HYDE PARK 3316

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

INSTITUTE OF LARYNGOLOGY AND OTOLOGY

(University of London)

330/332 GRAY'S INN ROAD, LONDON, W.C.1

BASIC SCIENCES CLASS (whole-time) with facilities for dissection for Part 1 D.L.O. students, commences 27th February, 1956. Fee £21.

ADVANCED REVISION CLASS for Final F.R.C.S. students, commences 6th February, 1956.
Arranged as part-time course (mostly evenings) to meet circumstances of students holding appointments. Fee £21.

WEEK-END COURSES—

FUNDAMENTALS OF ULTRASONICS (in conjunction with the Imperial College of Science & Technology).
27th, 28th and 29th January, 1956.
Intended for medical practitioners, physicists and others interested in this particular branch of science. Fee £3:3:0.


PATHOLOGY of the ear, nose and throat.
24th and 25th February, 1956.
Intended for practising pathologists and oto-rhinolaryngologists and senior trainees. Fee £3:3:0.

ENDOSCOPY—16th, 17th and 18th March, 1956.
Intended for practising members and senior students of the Specialty. Fee £5:5:0.

AURAL SURGERY—20th, 21st and 22nd April, 1956.
Intended for practising members and senior students of the Specialty. Fee £5:5:0.

Detailed syllabus obtainable from the Dean.

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



active in all seasons

Seasonal illnesses come and go, but there is no season of the year when Tyrosolven Antibiotic-Anaesthetic Lozenges are not a valuable addition to the range of drugs used in throat infections. Tyrothricin, the active principle in Tyrosolven, is effective against a wide spectrum of bacterial flora — haemolytic streptococci, enterococci, vibrioform and fusiform bacilli, and spirochaetes; there are therefore few common mouth infections they will not relieve. Tyrosolven also contains benzocaine, an effective analgesic.

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

Tyrosolven

*Tyrosolven has never been
advertised to the public.*

William R. WARNER & CO. LTD.,
Power Road, London, W.4.

*Packing:
Packs of 20 lozenges;
dispensing packs of 250
supplied to chemists at 16/8.*

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.

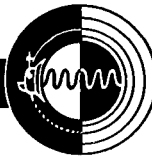
Speech audiometric accessories and a Peepshow for the testing of young children are available for both instruments. Please write for a descriptive brochure.

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

CONTENTS

	PAGE
THE ACTION OF THE MAMMALIAN OLFACTORY ORGAN (SEMON LECTURE). Lord Adrian (Cambridge)	1
THE CALORIC TESTS. C. S. Hallpike (London)	15
ON THE USE OF BLOWN PLASTIC INSERTS IN MASTOID CAVITIES. G. Gordon Mowat and Bernard Higgins (Bolton)	29
CLINICAL RECORDS—	
A Case of Congenital Subglottic Stenosis. G. H. Bateman and M. O. Carruthers (London)	36
Neurilemmoma (Schwannoma) of the Retrotonsillar Region. John D. Arneaud (Jamaica)	40
Fibrous Dysplasia of the Skull. Francis Bauer and A. Sutcliffe Kerr (Liverpool)	44
GENERAL NOTES	50

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