

The Journal of Laryngology and Otology

EDITED BY
G. H. BATEMAN

ASSISTANT EDITOR
LIONEL TAYLOR

Contents

WALTER GOLDIE HOWARTH 1879-1962

THE EFFECTS OF NOISE ON HEARING T. ABDEL ALIM and
E. ESSAMMAA

ON THE CAUSE OF PRESBYACUSIS—A CASE OF UNEQUAL
PRESBYACUSIS OF BOTH EARS A. J. PHILIPSZOOM

ANOMALIES OF THE OSSICULAR CHAIN. . . . J. H. NEAME

VERTIGO IN CHILDHOOD M. SPENCER HARRISON

COMPARISON OF THE BACTERIA FOUND IN THE EAR AND
NASOPHARYNX IN ACUTE OTITIS MEDIA . . . R. A. McNEILL

TUBERCULOUS MASTOIDITIS—A REVIEW OF EIGHT CASES . . . D. H. CRAIG

CLINICAL RECORDS—

UNUSUAL FOREIGN BODY LARYNX R. L. GUPTA and
C. S. ANAND

INFECTED SUBDURAL EFFUSION FOLLOWING OTO-
GENIC MENINGITIS J. McG. JACKSON

A CASE OF A DENTIGEROUS CYST CAUSING CHRONIC
ANTRAL INFECTION D. J. DURCAN and
H. B. HOLDEN

GENERAL NOTES

London

Headley Brothers

109 Kingsway WC2

Annual Subscription £4/4/0 net, U.S.A. \$13

Monthly, 10/- net post free

ADVERTISEMENTS

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 acknowledgement 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 are provided free up to the limit of £10 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, 109 Kingsway, London, WC2.

5. Orders for reprints must 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, 109 Kingsway, London, WC2.

8. The annual subscription is four guineas sterling (U.S.A. \$13) post free, and is payable in advance.

9. Single copies will be on sale at 10s. od. each; copies of parts up to Vol. LXIII which are available may be purchased at 7s. 6d. each.

10. All subscriptions, advertising and business communications should be sent to the publishers, HEADLEY BROTHERS, 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, 109 KINGSWAY, LONDON, WC2, England.

© *Journal of Laryngology and Otology*, 1962

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



**IN
ALLERGIC
RHINITIS—
SEASONAL
OR
PERENNIAL**

PERIACTIN

CYPROHEPTADINE HYDROCHLORIDE

Regd.

**ANTIHISTAMINE AND ANTISEROTONIN
offers more certain relief**

Laboratory and clinical studies indicate that serotonin, as well as histamine, may play a part in producing allergic manifestations. Some confirmation is given to this concept by the clinical results obtained in allergy with 'Periactin', an agent having "parallel" antihistamine and antiserotonin activity. 'Periactin' offers more complete anti-allergic and antipruritic therapy than simple antihistamines.

'Periactin' is available as white, half-scored tablets containing 4 mg. cyproheptadine hydrochloride, in bottles of 100 and 500. Full information on 'Periactin' is available on request.

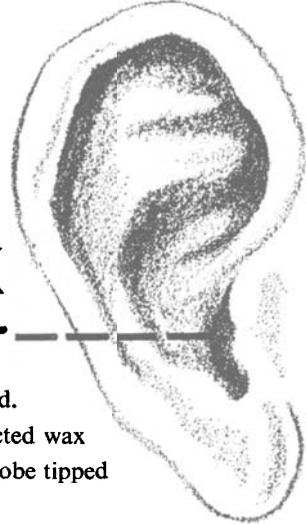
MADE IN ENGLAND BY



MERCK SHARP & DOHME LIMITED, HODDESDON, HERTS

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

THE MODERN WAY WITH EAR WAX



Only five drops of Cerumol are needed.
In 10—30 minutes the softened or disimpacted wax
can usually be removed with a probe tipped
with cotton wool, or by gentle syringing.

The results that have been obtained in hospitals
and general practices throughout the country
confirm that Cerumol is safe and reliable and is the
modern way of dealing with ear wax. It avoids
discomfort to the patient, inconvenience to the
doctor and saves time for everyone. Indeed, in most
cases patients can easily instil the drops themselves.
The loosened wax then runs out of its own accord
and further visits to the surgery are unnecessary.



CERUMOL

REGD. TRADE MARK

Active constituents per 100 ml: p-dichlorobenzene
B.P.C. 2 G., Benzocaine B.P. 2.7 G., Chlorbutol B.P.
5 G., Ol. Terebinth 10 ml.

Pack for surgery use—dropper vial. Basic
N.H.S. cost 2/8. Hospital Pack—2 oz. bottles.

Literature will be gladly supplied on request.

LABORATORIES FOR APPLIED BIOLOGY LTD.
91 AMHURST PARK, LONDON, N.16. Telephone: STAmford 2252/3



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



**STOP
RUNNING
NOSES**
in hay fever and
other pollinoses

Triominic

WANDER

'Triominic' Timed-release Tablets *stop* rhinorrhoea, nasal congestion, sneezing, in seasonal allergies *orally*—through their systemic antihistamine *plus* decongestant actions.

Each Tablet contains:

Phenylpropanolamine-HCl 50 mg.

Mepyramine maleate B.P. 25 mg.

Pheniramine maleate 25 mg.

Also available: 'Triominic' Syrup for children and for adults requiring greater flexibility of dosage. Each teaspoonful is equivalent to $\frac{1}{2}$ 'Triominic' Tablet.

Dosage: 1 Timed-release Tablet 6 to 8-hourly. Syrup to be taken 3 to 4-hourly; 1 fl. dr. = $\frac{1}{2}$ Tablet.

Basic N.H.S. Price: 50 Tablets 7/-; 2 fl. oz. Syrup 2/6.

A. Wander Limited
42 Upper Grosvenor Street
London W.1.



M421

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

APPLIED AUDIOLOGY FOR CHILDREN

By

D. M. C. DALE
B.A., Dip. Ed.(N.Z.),
Ph.D.(Manchester)

*Principal, School for Deaf
and Partially Deaf Children,
Kelston, Auckland, New Zealand*

This is a down-to-earth, practical book with much to offer otologists, workers in audiology clinics, and all who come in contact with children who have defective hearing.

The description and administration of pure tone and speech tests of hearing are carefully considered for children of different ages and all degrees of deafness. The author discusses and clearly illustrates in diagrams and graphs the production and physical characteristics of speech sounds. He considers the relationship between the frequency components of speech sounds, the audiogram of the patient, and the frequency response of the hearing aid.

In the latter half of the book the author deals with factors which affect the reception of speech by hearing aid users and suggests practical measures by which children can be enabled to hear the most intelligible and continuous pattern of sound that their residual capacity to hear permits.

Sept. 1962 about 164 pages
about 79 illustrations
6 tables

SPEECH REHABILITATION OF THE LARYNGECTOMIZED

By

JOHN C. SNIDECOR,
Ph.D., F.A.S.H.A.

Professor of Speech, University of California, Santa Barbara, California

*With additional chapters by
JOEL JAY PRESSMAN,
EVELYN ROBE FINK-
BEINER, E. THAYER
CURRY, ALAN C.
NICHOLS, and JOHN O.
ANDERSON*

For physician, speech therapist, and research student . . . for all the varied and dedicated practitioners who work with those who would "speak again"—THE FIRST COMPLETE BOOK ON PROBLEMS OF THE LARYNGECTOMEE.

Each contributor is well known for substantial research in his own area of specialization. Maintaining a conservative, scientific viewpoint, they discuss

- Surgical rehabilitation with special reference to sub-total laryngectomy
- Location, nature, and use of the pseudoglottis
- Rate, pitch, loudness and quality in œsophageal speech
- Who learns to speak again
- The artificial larynx

(A Monograph in American Lectures in Speech and Hearing edited by ROBERT WEST, M.D.)

March 1962 204 pages
\$8.00 34 illustrations

You'll be interested also in these NEW BOOKS

- **ECZEMA: Its Nature, Cure, and Prevention** by Arthur Bobroff, *Univ. of Washington, Seattle.* Oct. '62
- **DELAYED HYPERSENSITIVITY IN HEALTH AND DISEASE** by Alfred J. Crowle, *Univ. of Colorado.* July '62, 144 pp., 15 il., \$6.00
- **PHOTOGRAPHIC ILLUSTRATION FOR MEDICAL WRITING** by Donald J. Currie and Arthur Smailowski, *both of St. Michael's Hospital, Toronto.* Sept. '62
- **RADIATION THERAPY IN THE MANAGEMENT OF CANCERS OF THE ORAL CAVITY AND OROPHARYNX** by Gilbert H. Fletcher and William S. MacComb. *Physics Section by Robert J. Shalek and Marilyn Stovall. All of Univ. of Texas M.D. Anderson Hospital and Tumor Institute.* Jan. '62, 408 pp., 346 il., \$16.50
- **RHINOSCLEROMA** by Francisco Kerdel-Vegas and Jacinto Convit, *both of Universidad Central de Venezuela; Bernard Gordon and Mauricio Goihman, both of Vargas Hosp. All of Caracas, Venezuela.* Dec. '62
- **THE NOSE, PARANASAL SINUSES, AND EARS IN CHILDHOOD** by Donald F. Proctor, *The Johns Hopkins Univ.* Nov. '62
- **RECRUITING TEACHERS FOR THE DEAF** by Joseph S. Rudloff, *San Diego, Calif.* Aug. '62, 76 pp., 30 tables, \$4.25
- **ELECTRON MICROSCOPY OF HUMAN SKIN AND ORAL MUCOUS MEMBRANE** by Alvin S. Zelickson, *Univ. of Minnesota.* Nov. '62

CHARLES C THOMAS · Publisher
301-327 East Lawrence Avenue
Springfield · Illinois · U.S.A.

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

NO COST OR OBLIGATION!

**Appraise the New Zenith Portable
DIAGNOSTIC AUDIOMETER
on a 10-day professional trial**



- Listed by the American Academy of the O and O.
- Truly portable; 8½ lbs.
- Fully transistorized
- Battery powered
- Easy to operate
- Widely accepted in the U. S.

***Conduct the tests yourself or
let us make them for you—RIGHT IN YOUR OFFICE!***

Now . . . to acquaint you with the latest Zenith development in audiometers, we'll deliver the new Zenith ZA-100T to your office for your professional appraisal. Completely portable, fully transistorized and battery powered, the Zenith ZA-100T can be carried anywhere with ease . . . used anywhere for actual diagnostic testing of hearing loss.

Zenith ZA-100T offers top output accuracy; improved complex masking. Neat carrying case and handle. No tubes to replace. Batteries last up to 120 hours.

See for yourself, or let us show you how the ZA-100T performs these important clinical tests:

1. Pure tone air in either headphone
2. Pure tone air in either headphone with masking in the opposite headphone
3. Pure tone bone
4. Pure tone bone with masking in headphone
5. Audiometer Weber test
6. Audiometer Rinné test

CALL OR WRITE Mr. Adam R. Ramsey. Phone: GROsvenor 4901-3 • 13-14 Queen St., Mayfair, London, W. 1

SEND LITERATURE

Mr. Adam R. Ramsey, Zenith Hearing Aid Centre, 13-14 Queen St., Mayfair, London, W. 1

Please mail additional information on the New Zenith Portable Diagnostic Audiometer.



NAME _____
 ADDRESS _____
 CITY _____ DISTRICT _____

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

'PETERS' NEW CLINIC AUDIOMETER

FOR PURE-TONE AND SPEECH



CONSIDER THESE FEATURES :

- A continuous frequency range with continuous automatic threshold compensation.
- Twin continuously variable attenuators accurate to 1 db.
- Narrow band masking of pure tones plus insert receiver.
- Manual or automatic completely silent interruption.
- Loudness Balance and Difference Limen Recruitment Tests.
- High Fidelity Speech Circuit with Accessories for Free Field Speech Audiometry.
- Full Spectrum of White Noise for Masking Speech.
- Completely Transistorised for reliability.

The Westrex Company Limited, who are leading suppliers of Deaf Education Equipment, have a nationwide servicing organisation. In the immediate future their engineers in the field will be co-operating in the speedy servicing of all "Peters" audiometers in Great Britain.

Write for a descriptive brochure giving full details of this magnificent instrument and ask for a demonstration from either :

WESTREX COMPANY Ltd.
152 COLES GREEN ROAD, LONDON, N.W.2

ALFRED PETERS & SONS Ltd.
VICTORIA WORKS, GELL STREET, SHEFFIELD 3

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

* For the widest
possible choice
of hearing aids
at lowest prices

RELY ON SHIPTON'S

Shipton's are independent suppliers of a superb range of hearing aids which are selected from the finest available in the world. Your patients can compare the various makes and receive a genuinely impartial, thoroughly competent service.

At Shipton's, all aids are carefully selected to meet with Specialists' findings and are carefully fitted to individual requirements. Prices are generally below those of competitive instruments.

Domiciliary visits throughout the country are part of the Shipton Service for those of your patients outside London.

E. SHIPTON & CO. *(Hearing Aids)* **LTD.**

4 Dering Street (off Oxford Street, near
New Bond Street), LONDON, W.1

Telephone: HYDe Park 1221

**YOU CAN RELY
ON SHIPTON'S
SERVICE**

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



*“Strike, but
hear me”*

Themistocles

And the reply was $\mu\alpha\rho\upsilon\delta\iota\alpha$ which is hardly surprising when you consider that in that helmet he could hardly have heard him anyway.

Fortunately, few, if any, patients wear Grecian helmets these days and most are delighted to have the name of an independent hearing aid consultant of impeccable reputation murmured tactfully into their ears.

Today more people than ever before can benefit from a carefully selected aid. But careful selection is important. INGRAMS, the Independent Suppliers, have twenty-six different makes – the largest selection in the country – for patients to choose from. Couple this with expert impartial advice and a high reputation and you have the reason why so many E.N.T. Specialists refer their patients to Ingrams.

INGRAMS

The Independent Hearing Aid Consultants

2 SHEPHERD STREET, LONDON, W. 1

*Domiciliary
visits
in any part
of the country*

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

**First clinical audiometer
to provide
100% accurate audiograms**



AMPLIVOX MODEL 82

world's most fully-developed clinical audiometer

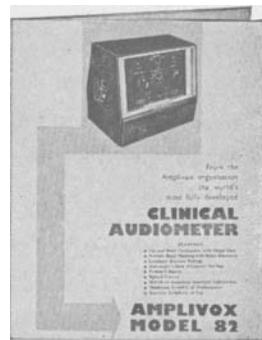
It is now known that the disc type of earphone, used in conventional audiometers for air conduction testing and the application of masking noise, transfers the sound by bone conduction to the opposite ear at a level only 40 dB below the signal level. This means that up to 50% of audiograms taken at the present time with other audiometers may be invalid.

The Amplivox Model 82 Audiometer provides, for the first time, the means of taking accurate audiograms in cases of severe unilateral deafness through the provision of narrow band masking applied by insert earphone. This new masking technique is of special significance in bone conduction audiometry.

In addition to the exclusive narrow band masking feature, the Model 82 provides loudness balance test facilities, and *all* the other tests essential to proved pure tone audiometry.

AMPLIVOX LTD

Medical Acoustic Division
80 New Bond St, London W.1. Tel: HYDe Park 9888



**SEND FOR THIS
DESCRIPTIVE
BROCHURE**

Containing full information on
the latest audiometric techniques
in air and bone conduction.

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

CONTENTS

	PAGE
WALTER GOLDIE HOWARTH 1879-1962	575
THE EFFECTS OF NOISE ON HEARING. T. Abdel Alim and E. Essammaa (Cairo)	579
ON THE CAUSE OF PRESBYACUSIS—A CASE OF UNEQUAL PRESBY- ACUSIS OF BOTH EARS. A. J. Philipszoon (Amsterdam)	593
ANOMALIES OF THE OSSICULAR CHAIN. J. H. Neame (London)	596
VERTIGO IN CHILDHOOD. M. Spencer Harrison (Market Rasen)	601
COMPARISON OF THE BACTERIA FOUND IN THE EAR AND NASOPHARYNX IN ACUTE OTITIS MEDIA. R. A. McNeill (Belfast)	617
TUBERCULOUS MASTOIDITIS—A REVIEW OF EIGHT CASES. D. H. Craig (Belfast)	623
CLINICAL RECORDS—	
Unusual Foreign Body Larynx. R. L. Gupta and C. S. Anand (Gwalior, India)	639
Infected Subdural Effusion following Otogenic Meningitis. J. McG. Jackson (Newcastle-upon-Tyne)	641
A Case of a Dentigerous Cyst Causing Chronic Antral Infection. Dermot J. Durcan and Harold B. Holden (London)	644
GENERAL NOTES	649

ARCHIVES OF OTOLARYNGOLOGY

Chief Editor:

GEORGE E. SHAMBAUGH, JR.
40 South Clay Street, Hinsdale, Ill.

The ARCHIVES OF OTOLARYNGOLOGY is published monthly by the American Medical Association and is an official publication of the Association.

The yearly rate of the ARCHIVES OF OTOLARYNGOLOGY is: United States, U.S. Possessions, and Canada, one year, \$8.00; two years, \$12.00; all other countries, one year, \$10.00; two years, \$16.00.

Subscription orders should be addressed to: American Medical Association, 535 North Dearborn Street, Chicago 10, Illinois.