

The Journal of Laryngology and Otology

EDITED BY
G. H. BATEMAN

ASSISTANT EDITOR
LIONEL TAYLOR

Contents

COCHLEAR PATHOLOGY IN HUMANS WITH STIMULATION DEAFNESS	MAKOTO IGARASHI, HAROLD F. SCHUKNECHT, and EUGENE N. MYERS
TEMPORALIS FASCIA USED FOR CLOSURE OF ATTIC CAVITIES AND PERFORATIONS OF THE TYMPANIC MEMBRANE	J. ATKINS ✓
INTRACRANIAL PNEUMOCOELE	M. HOROWITZ
THE TREACHER COLLINS SYNDROME	A. G. D. MARAN
CONGENITAL MIDDLE-EAR DEAFNESS WITH ANOMALIES OF THE FACE	WILLIAM G. EDWARDS
UNUSUAL CASES OF POSITIONAL VERTIGO OF THE SO-CALLED BENIGN PAROXYSMAL TYPE	A. BOFFI
THE ANATOMY OF CANCER	M. LEDERMAN
CLINICAL RECORDS—	
CEREBELLAR ABSCESS	WILFRED LEACH
NEUROLEMMOMA OF THE SEVENTH NERVE WITH INTRA-CRANIAL EXTENSION	J. MCAULIFFE CURTIN and J. P. LANIGAN
EFFECT OF INJECTING "DIONOSIL" INTO THE SOFT TISSUES OF THE NECK	J. RANSOME
ANGULAR VEIN THROMBOPHLEBITIS	K. P. FERRIS
RECURRENT PYOGENIC MENINGITIS DUE TO AN OSTEOMA OF THE FRONTAL SINUS	J. SIEGLER
GENERAL NOTES	

London

Headley Brothers

109 Kingsway WC2

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 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 five guineas sterling (U.S.A. \$15) post free, and payable in advance.

9. 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.

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*, 1964

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

CONTENTS

	PAGE
COCHLEAR PATHOLOGY IN HUMANS WITH STIMULATION DEAFNESS . Makoto Igarashi, Harold F. Schuknecht and Eugene N. Myers (Boston, Massachusetts)	115
TEMPORALIS FASCIA USED FOR CLOSURE OF ATTIC CAVITIES AND PER- FORATIONS OF THE TYMPANIC MEMBRANE. J. Atkins (Edinburgh)	124
INTRACRANIAL PNEUMOCCELE. M. Horowitz (Liverpool)	128
THE TREACHER COLLINS SYNDROME. A. G. D. Maran (Edinburgh)	135
CONGENITAL MIDDLE-EAR DEAFNESS WITH ANOMALIES OF THE FACE. William G. Edwards (London)	152
UNUSUAL CASES OF POSITIONAL VERTIGO OF THE SO-CALLED BENIGN PAROXYSMAL TYPE. A. Boffi (Buenos Aires)	171
THE ANATOMY OF CANCER. M. Lederman (London)	181
CLINICAL RECORDS—	
CEREBELLAR ABSCESS. Wilfred Leach (London)	209
NEUROLEMMOMA OF THE SEVENTH NERVE WITH INTRA-CRANIAL EXTENSION. J. McAuliffe Curtin and J. P. Lanigan (Dublin)	212
EFFECT OF INJECTING "DIONOSIL" INTO THE SOFT TISSUES OF THE NECK. J. Ransome (London)	220
ANGULAR VEIN THROMBOPHLEBITIS. K. P. Ferris (London)	224
RECURRENT PYOGENIC MENINGITIS DUE TO AN OSTEOMA OF THE FRONTAL SINUS. J. Siegler (Liverpool)	226
GENERAL NOTES	229

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 \$15.00 per year Canada \$15.50 per year
Foreign \$16.00 per year

MAX A. GOLDSTEIN, M.D.
FOUNDER

THEODORE E. WALSH, M.D.
EDITOR

640 SOUTH KINGSHIGHWAY
SAINT LOUIS 10, MO.

FELLOWSHIP IN OTOLOGY AVAILABLE

April 1st, 1964

Excellent academic background required.

Must be interested in research work, studying, operating and instructing residents in otology at University of Tennessee and John Gaston Hospital. Apply in writing to Memphis Foundation of Otology, 22 North Pauline. Memphis 5, Tennessee, U.S.A. Enclose résumé, transcripts, and letters of recommendation.

For advertisement space in this Journal
apply to:

HEADLEY BROTHERS LTD.
109 Kingsway London WC2

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

ORBENIN^{Reg.}

SODIUM CLOXACILLIN

ORAL PENICILLIN ACTIVE AGAINST THE 'HOSPITAL STAPHYLOCOCCUS'

Orbenin is highly bactericidal to both resistant and sensitive staphylococci, and also to other Gram positive organisms such as streptococci and pneumococci.

Dosage: 500mg. orally (capsules or syrup) 6-hourly.
Orbenin may also be given by Intramuscular injection.

Orbenin is a product of British research at
BEECHAM RESEARCH LABORATORIES



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



**'Audi
partem
alteram'**

St. Augustine

Fifteen hundred years ago, St. Augustine advised his readers to "hear the other side." Today, your patients with a hearing problem will welcome the same advice from you. Just mention Ingrams.

Ingrams can help your patients to "hear the other side," for they do not represent any one manufacturer and are thus able to give completely impartial advice about hearing aids.

Ingrams help your patient to choose from twenty-six different makes. This is the largest selection in the country—and some of the most modern aids are exclusive to Ingrams.

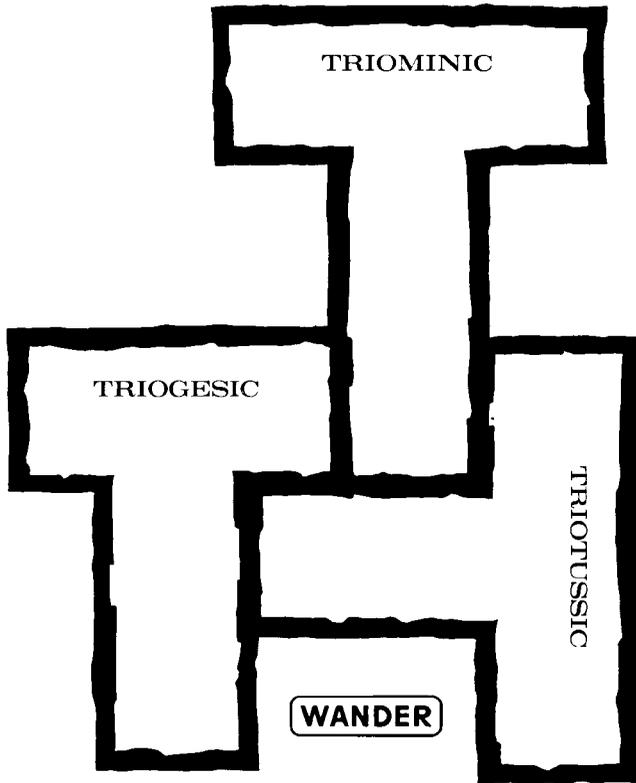
This is why you, like so many E.N.T. Specialists, can confidently advise your patients to hear the full story from Ingrams *before* they buy a hearing aid.

INGRAMS

THE INDEPENDENT HEARING AID CONSULTANTS

2 SHEPHERD STREET, SHEPHERD MARKET, LONDON, W.1

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



Triominic
for oral relief of
rhinorrhoea and
nasal congestion

Formula per
Timed-Release Tablet
Phenylpropanolamine-HCl 50 mg.
Mepyramine maleate B.P. 25 mg.
Pheniramine maleate 25 mg.
S2. Part 1

Formula per 4 ml. Syrup
Phenylpropanolamine-HCl 12.5 mg.
Mepyramine maleate B.P. 6.25 mg.
Pheniramine maleate 6.25 mg.
[1 teaspoonful (4 ml.) = ½ Tablet]
S2. Part 1

Triotussic
for colds
complicated
by cough

Formula per
Timed-Release Tablet
'Triominic' 25 mg.
Noscapine 20 mg.
Terpin hydrate B.P.C. 90 mg.
Paracetamol B.P. 160 mg.
S2. Part 1

Formula per 4 ml. Suspension
'Triominic' 25 mg.
Noscapine 20 mg.
Terpin hydrate B.P.C. 90 mg.
Paracetamol B.P. 160 mg.
[1 teaspoonful (4 ml.) = 1 Tablet]
S2. Part 1

Triogesic
for relief of
painful sinus and
aural congestion

Formula per Tablet
'Triominic' 25 mg.
Paracetamol B.P. 500 mg.
S2. Part 1

Formula per 4 ml. Suspension
'Triominic' 12.5 mg.
Paracetamol B.P. 250 mg.
[1 teaspoonful (4 ml.) = ½ Tablet]
S2. Part 1

Literature and samples gladly sent on request

M431A

A. WANDER LIMITED · 42 UPPER GROSVENOR ST · LONDON W.1

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

A CHOICE SELECTION IN LARYNGOLOGY AND OTOLGY

**BIOPHYSICS OF
THE EAR**

By **F. L. Dittrich**, *Univ. of Geneva, Geneva, Switzerland*. This work is the first in the literature to treat the delicate problem of biophysics of the ear. *Will occupy an important place in the library of the otologist*—bringing to his attention the latest experimental research so uniquely applicable to the diagnosis and treatment of ear diseases. *Oct. '63, 136 pp., 73 il. (Amer. Lec. Biochemistry & Biophysics edited by W. Bladergroen), \$6.75*

**MANAGEMENT OF
ORAL
EMERGENCIES**

By **Daniel M. Laskin**, *Univ. of Illinois, Chicago, Ill.* A complete guide to oral emergencies. Covers oral and facial pain; swelling due to infection, trauma and allergy; traumatic injuries to teeth, jaws and adjacent soft tissues; oral surgical complications; operative and postoperative hemorrhage; aspiration of foreign bodies; and reactions to local anesthetic and postinjection complications. *Jan. '64, 128 pp., 52 il. 6 tables, \$5.50*

**AN INTRODUCTION
TO RESPIRATORY
CYTOLOGY**

By **Winifred Liu**, *Youngstown Hospital Association, Youngstown, Ohio*. The title of this book spells out exactly the author's intention . . . to introduce cytotechnology students to the study of respiratory cytology through a review of anatomy, histology and physiology of the respiratory system including the pleura. *Written in the simplest of language . . . amply illustrated. Jan. '64, 120 pp., 97 il., \$5.75*

**AUDIOLOGICAL
EVALUATION
OF THE
PEDIATRIC
PATIENT**

By **Maurice H. Miller and Ira A. Polisar**, *both of State Univ of New York, Brooklyn, N.Y.* Emphasis is on various diagnostic techniques for hearing evaluations. The personnel, equipment, and physical plant for proper performance of these procedures are described. Detailed case histories illustrate the contributions made by various procedures. *Feb. '64, about 184 pp., 8 il. (Amer. Lec. Speech & Hearing edited by Robert West)*

**THE
TEMPOROMANDIBULAR
JOINT**

Second Edition

By **Bernard G. Sarnat**, *Cedars of Lebanon and Mount Sinai Hospitals, Los Angeles, Calif. (With 9 Contributors)*. Includes chapters on evolution, functional anatomy, prenatal development, histophysiology, the mandibular condyle and growth of the face, pathology, roentgenography, and dental and surgical treatment. Of particular interest to the ear, nose and throat surgeon. *March '64, about 264 pp., 99 il.*

**EAR, NOSE AND
THROAT FOR THE
GENERAL
PRACTITIONER**

By **Albert P. Seltzer**, *Univ. of Pennsylvania, Philadelphia, Pa.* Especially prepared to show by example how diseased conditions in widely different parts of the body have either their primary origin or a secondary relationship in abnormal conditions in the ear, nose and throat cavities and of their nearby tissues. *Of particular interest to medical students entering the field of ear, nose and throat. Feb. '64, about 248 pp.*

CHARLES C THOMAS • PUBLISHER 301-327 East Lawrence Avenue **SPRINGFIELD • ILLINOIS • USA**

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

New Battery-Operated Audiometer



The **AMPLIVOX** Model 90 transistor audiometer with **Bone Conduction & Masking**

Ideal for hospitals, hearing aid clinics, consulting rooms, industrial medical departments, schools, etc., when a full clinical instrument (such as the Amplivox Model 82) is not essential but where bone conduction measurements with masking are often required to supplement the air conduction audiogram.

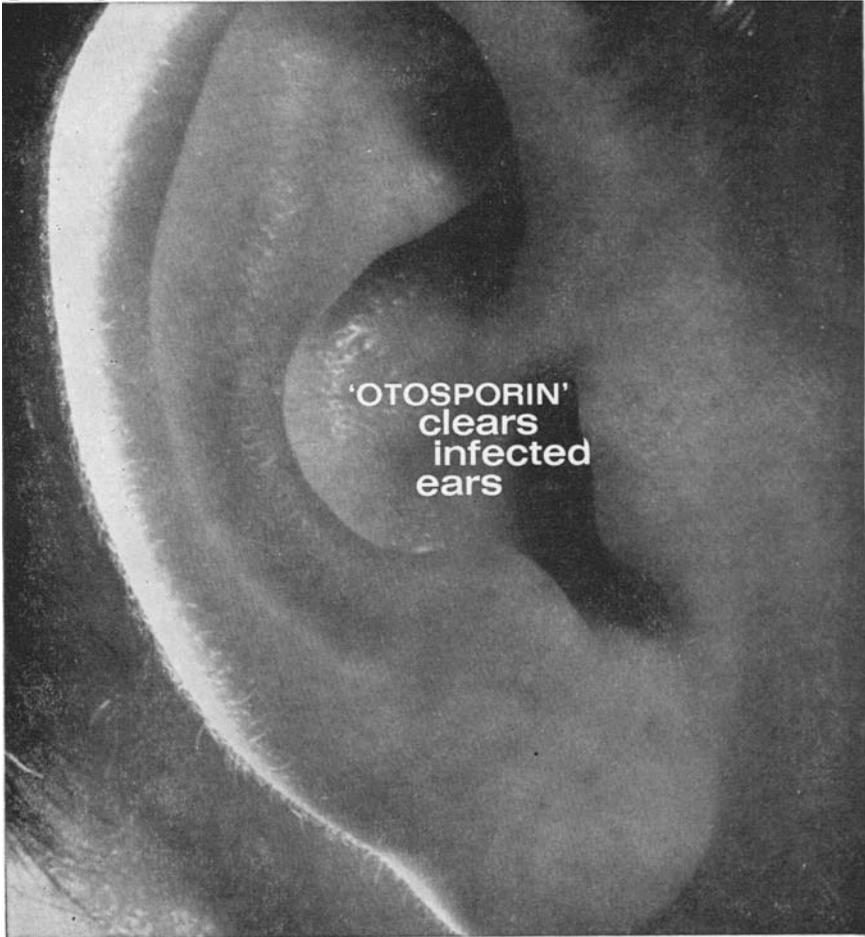
- * Nine frequencies for air conduction 250-8000 c/s
- * Seven frequencies for bone conduction 250-4000 c/s
- * White noise masking up to 70 dB in 10 dB increments
- * Independent of mains supply
- * British Standard calibration
- * Maximum intensity 100 dB re BS
- * Positive battery check ensures constant output accuracy
- * Weighs only 14 lb
- * Equally suitable for rapid screening OR individual diagnostic audiometry



This new Audiometer is housed in a durable fibreglass cabinet, 12" x 10" x 8½", with roller blind shutter to panel and storage compartment, eliminating extra carrying case.

SEND FOR TECHNICAL LEAFLET describing this outstanding addition to the Amplivox range:
Amplivox Limited, Medical Acoustic Division, 80 New Bond St., London W1

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



'OTOSPORIN'

The modern method of treatment in otitis externa, chronic suppurative otitis media, and infected mastoid cavities, is 'Otosporin' Drops. 'Otosporin' is an aqueous suspension containing neomycin and polymyxin B which are together effective against practically all the bacteria found in ear infections. In addition, it contains hydrocortisone to reduce inflammation and swelling, thereby providing easier access for the antibiotics.

'OTOSPORIN' BRAND **Drops** ISSUED IN BOTTLES OF 5 ml.



BURROUGHS WELLCOME & CO. (THE WELLCOME FOUNDATION LTD.) LONDON

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