

Alom

The Journal of Laryngology and Otology

EDITED BY
G. H. BATEMAN

ASSISTANT EDITOR
LIONEL TAYLOR

Contents

MALIGNANT TUMOURS OF THE EAR	M. LEDERMAN ✓
OTOGENIC BRAIN ABSCESS. A STUDY OF EIGHTY CASES	W. J. NEWLANDS ✓
THE PROBLEM OF NOISE IN THE ROYAL NAVY AND ROYAL MARINES	SURGEON LIEUTENANT- COMMANDER R. R. A. COLES, R.N., and J. J. KNIGHT ✓
HEALING OF EXPERIMENTAL PERFORATIONS OF THE TYMPANIC MEMBRANE	MILES TAYLOR and R. M. H. McMINN ✓
EXOGENOUS COLLAGEN IN THE CLOSURE OF TYMPANIC MEMBRANE PERFORATIONS. A PRELIMINARY REPORT	BENGT SALÉN and INGEBORG SIMBACH ✓
CLINICAL RECORDS—	
MYRINGOPLASTY—A CRITICAL STUDY	W. A. SULTANA ✓
A CASE OF NEURILEMMOMA OF THE TONGUE	D. R. CHHATBAR ✓
PHENYLEPHRINE. A VASOCONSTRICTOR FOR USE DURING HALOTHANE ANAESTHESIA	H. A. CONDON ✓
THE OUTSTANDING AURICLE	M. SPENCER HARRISON ✓
CORRESPONDENCE	
GENERAL NOTES	

London
Headley Brothers
109 Kingsway WC2

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 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 booksellers, or to STECHERT-HANER, INC., 31-53 East 10th Street, New York, or direct to the publishers, HEADLEY BROTHERS, 109 KINGSWAY, LONDON, WC2, England.

© *Journal of Laryngology and Otology*, 1965

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

CONTENTS

	PAGE
MALIGNANT TUMOURS OF THE EAR. M. Lederman (London) . . .	85
OTOGENIC BRAIN ABSCESS. A STUDY OF EIGHTY CASES. W. J. Newlands (Edinburgh)	120
THE PROBLEM OF NOISE IN THE ROYAL NAVY AND ROYAL MARINES. Surgeon Lieutenant-Commander R. R. A. Coles (Alverstoke), R.N. and J. J. Knight (London)	131
HEALING OF EXPERIMENTAL PERFORATIONS OF THE TYMPANIC MEMBRANE. Miles Taylor and R. M. H. McMinn (London)	148
EXOGENOUS COLLAGEN IN THE CLOSURE OF TYMPANIC MEMBRANE PERFORATIONS. A PRELIMINARY REPORT. Bengt Salén and Ingeborg Simbach (Sweden)	159
CLINICAL RECORDS—	
MYRINGOPLASTY—A CRITICAL STUDY. W. A. SULTANA (Malta)	166
A CASE OF NEURILEMMOMA OF THE TONGUE. D. R. Chhatbar (Crewe)	170
PHENYLEPHRINE. A VASOCONSTRICTOR FOR USE DURING HALOTHANE ANAESTHESIA. H. A. Condon (London)	175
THE OUTSTANDING AURICLE. M. Spencer Harrison (Lincoln)	178
CORRESPONDENCE	185
GENERAL NOTES	186

NEW, UNIQUE AND IMPORTANT

For the very first time a fully automatic unit is being made available for a CLINIC Audiometer, making the combined units into a true BEKESY Audiometer.

This automatic accessory is being made for the PETERS SPD/5 CLINIC AUDIOMETER, which has a continuous frequency range and continuously variable attenuation. The result is therefore a true Bekesy audiometer.

It can be attached to or detached from the audiometer in under one minute so that the two units together offer the facilities of an advanced clinic audiometer or Bekesy audiometry at will.

It can be fitted to any existing SPD/5 Audiometer.

Please send for details to:—

ALFRED PETERS & SONS LIMITED,

51 Gell Street, Sheffield 3

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



PENBRITIN

is outstanding in the treatment
of Urinary Tract infections ...

... because it satisfies the criteria more
completely than other antibacterial agents:

- High activity against the infecting organisms
- Bactericidal action
- High urine level
- Effective tissue level

that is why Penbritin achieves
outstanding clinical success rates
in Urinary Tract infections

Oral dosage: 500mg (2 capsules) 8 hourly.



Penbritin (regd) (ampicillin) is a product of British research at
BEECHAM RESEARCH LABORATORIES

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

Recommended Reading in Laryngology and Otology

ROENTGENOGRAPHY AND ROENTGENOLOGY OF THE MIDDLE EAR AND MASTOID PROCESS by Lewis E. Etter, *Univ. of Pittsburgh, Pittsburgh, Pa.* With the collaboration of Lawrence C. Cross and Merle J. Stuart, both of *Western Psychiatric Institute, Pittsburgh, Pa.* An atlas-type presentation of a complete study of the middle ear and mastoid process. *The six positions demonstrated include the lateral oblique (Schüller or Runström) position, Mayer's axial view, Owen's modification of Mayer's view, Stenvers' PA oblique view, Chamberlain-Towne AP oblique view, and the basal or submentovertical view.* The author shows how each position can be prepared and duplicated using conventional x-ray equipment. 65, 168 pp. (8½ × 11), 127 il., \$9.75

NEUROLOGICAL ASPECTS OF AUDITORY AND VESTIBULAR DISORDERS. *Eleventh Annual Scientific Meeting of the Houston Neurological Society. Compiled and edited by William S. Fields and Bob R. Alford, Baylor Univ., Houston, Texas. (16 Contributors).* Sixteen internationally known scientists and clinicians integrate current developments in research with those of clinical medicine. Their reports will be of particular interest to *otologists, audiologists, neurologists, and neurosurgeons.* Each section contains new information and careful appraisal of diagnostic and therapeutic procedures. Attention is focused on both new and recently modified surgical techniques. '64, 400 pp., 210 il., \$12.50.



THE TEMPOROMANDIBULAR JOINT (2nd Ed.) edited by Bernard G. Sarnat, *Cedars of Lebanon and Mount Sinai Hospitals, Los Angeles, Calif. (9 Contributors).* The Second Edition—**thoroughly revised and brought up to date**—includes new chapters on evolution, embryological development, roentgenology, and surgery. Emphasis throughout is on accurate diagnosis and the means for attaining this aim. *Advantages and disadvantages of various methods of treatment are considered.* "Maxillofacial surgeons and orthodontists will find this book invaluable. Within its pages is the present sum and total knowledge of the temporomandibular joint and its relation to the growth and development of the face." —*Surgery*, '64, 282 pp., 249 il., \$12.50

THE HUMAN LARYNX by Mervin C. Myerson, *Cedars of Lebanon and Hollywood Presbyterian Hospitals, Los Angeles, Calif.* Offers concise, comprehensive coverage of all phases of the larynx and its diseases. Some unorthodox views on management of contact ulcer and granulomatous polyp are presented. A new feature is introduced in the discussion of laryngeal manifestations of systemic disease. *Cancer of the larynx* is thoroughly covered in keeping with the added importance this subject has come to occupy. More than usual attention is allotted to such subjects as acute epiglottitis, keratosis and leukoplakia, mycoses, neuroses, and benign tumours. '64, 408 pp., 191 il., 17 tables. \$14.50

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

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



Staphylococci

cannot live with



Orbenin

Orbenin is recommended for the immediate treatment of all Hospital Staphylococcal infections

Orbenin, an oral penicillin stable to penicillinase, is bactericidal to resistant and sensitive staphylococci



Orbenin (regd.) (cloxacillin sodium) is a product of British research at
Beecham Research Laboratories

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

“The discovery of a...harmless means of effectively reducing the viscosity of sputum...would be a considerable advance in the management of patients with a variety of chest diseases...”

(Editorial, Brit. med. J., i:930, 1962)

airbron

20 PER CENT ACETYLCYSTEINE SOLUTION

TRADE MARK

the **first** mucodissolvent

- supersedes enzymes and detergents*
- produces true chemical lysis on contact*
- liquefies both mucoid and purulent secretions*
- successfully used in a wide range of conditions*



THE BRITISH DRUG HOUSES LTD. LONDON N.1.

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

“N-acetyl-L-cysteine has proved to be the most effective agent to date for the liquefaction of mucoid and purulent secretions, apparently regardless of their character or origin.”

(*J. thorac. cardiov. Surg.*, 44:330, 1962)

UNIQUE MODE OF ACTION

The active constituent of AIRBRON is acetylcysteine, a derivative of the naturally occurring amino acid, L-cysteine. It acts by opening up the disulphide bonds present in mucus, dramatically reducing the viscosity.

COMPARISON WITH EARLIER AGENTS

In vitro measurement of sputum viscosity, comparing AIRBRON with an enzyme, saline solution and detergent, have been made. These show that AIRBRON produces both a more pronounced and a more prolonged reduction of sputum viscosity than these other agents.²

USE IN TRACHEOSTOMY CARE

According to one investigator³, the advantages of using acetylcysteine in tracheostomy care are that:

- * Plugging of tracheostomies by secretions is avoided
- * Traumatic bronchitis due to very frequent and vigorous suction is avoided
- * The need for bronchoscopies to remove secretions is obviated
- * Secondary pulmonary infections are avoided

In addition to tracheostomy care, AIRBRON may well have many other uses in laryngology and otology.

AIRBRON may be given by nebulization or by direct instillation into the tracheo-bronchial tree. It is supplied in ampoules of 10 and 30 ml., each in boxes of 3.

REFERENCES

- | | |
|--|--|
| <ol style="list-style-type: none"> 1. <i>Ann. N.Y. Acad. Sci.</i>, 106:298, 1963 2. Paper read at the meeting of the American Medical Association, Chicago, June 1962 3. <i>J. thorac. cardiov. Surg.</i>, 44:330, 1962 4. <i>Amer. Rev. resp. Dis.</i>, 90:111, 1964 5. <i>Dis. Chest</i>, 46:66, 1964 | <ol style="list-style-type: none"> 6. <i>J. Pediat.</i>, 62:31, 1963 7. <i>Sth. med. J.</i>, 56:1271, 1963 8. <i>Amer. Rev. resp. Dis.</i>, 87:775, 1963 9. <i>Amer. Rev. resp. Dis.</i>, 89:284, 1964 |
|--|--|

Full literature and file card available on request

403 B 3345

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

The Hallpike Operating Headlamp



This Operating Headlamp has been based on designs and experimental constructions put at our disposal by Mr. C. S. Hallpike, F.R.C.S., F.R.S., of the Otological Research Unit, Medical Research Council, at the National Hospital, Queen Square.

Its lightweight optical system incorporates a heat absorbing filter and projects, at a convenient working distance, a brilliant homogeneous circle of light of 65 mm. diameter. This may be reduced to 12 mm. by means of a built-in iris diaphragm.

Location of the reflector between the surgeon's eyes ensures that his visual axes lie very close to the light beam, thus providing good optical penetration when working in small narrow-neck cavities.

- Convenient screw adjustment for fibre/polythene headband.
- Adjustable "over-band" for increased comfort during long operations.
- Fully adjustable support strut for maximum rigidity of optical system.
- Convenient finger grips for removal of headlamp.
- Vertical and angular adjustment of lamp unit, with positive locking action.
- Pre-centred, compact filament, 6 v. 18 watt lamp.
- Iris diaphragm control, with removable sterilizable sleeve.
- Control knob, with sterilizable sleeve, for adjustment of mirror angle and lateral rotation of lamp.



KEELER

**21-27 MARYLEBONE LANE
WIGMORE STREET
LONDON, W.1**

TELEPHONE: WELBECK 8512

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

NEW
SYSTEMIC
HAEMOSTATIC

Dicynene

ethamsylate

ENSURES
A CLEAR FIELD
FOR SURGERY



Clinical studies of DICYNENE have shown its efficacy in the prevention and treatment of haemorrhage due to the rupture of small vessels. DICYNENE exhibits low toxicity. The drug is well tolerated and there are no known contra-indications. For further details write to BAXTER LABORATORIES LTD., High Wycombe, Bucks. Tel. High Wycombe 4612

 **BAXTER**

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

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 \$16.00 per year Canada \$16.75 per year
Foreign \$17.00 per year

ESTABLISHED 1896

THEODORE E. WALSH, M.D.
EDITOR

517 SOUTH EUCLID AVENUE
SAINT LOUIS MO. 63110.

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

When
the patient
needs a
hearing aid—
**whom do
you recommend?**

INGRAMS, of course,
the firm with the different makes
to choose from.

INGRAMS, 2 Shepherd Street, London, W.1

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



Servo-Motor device

for Zeiss
operating
microscopes

Simply by pressing a foot
control the microscope can
be focused either upwards
or downwards leaving
both hands free for
manipulation purposes.

Full details
from sole suppliers

Degenhardt & Co Ltd
Carl Zeiss House
20/22 Mortimer Street
London W1
Langham 6097 (9 lines)

Scottish enquiries to

Degenhardt & Co
(Scotland) Ltd
22 Burnbank Gardens
Glasgow NW
Douglas 0520

Degenhardt

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

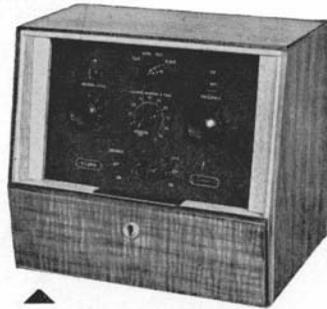
ONLY **AMPLIVOX**

provides a *complete* audiometric service!



Transistor Audiometers

with air conduction or air and bone conduction with masking, for hospitals, schools, consulting rooms, industrial medical departments, screening programmes, etc.



Clinical Audiometers

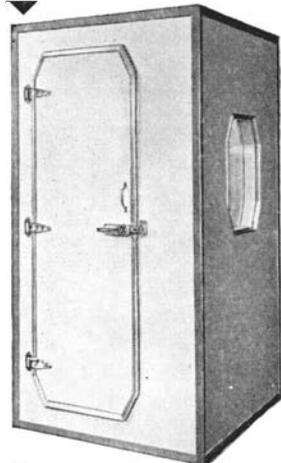
with narrow band masking for the highest accuracy and extended resolution.

Audiometer Booths

for ideal testing conditions in hospitals, clinics, factories. Standard and special sizes available.



Industrial Audiometry
Speech Audiometers
Speech Training Equipment
Loop Amplifiers, etc.



PLUS An efficient and speedy **calibration service**

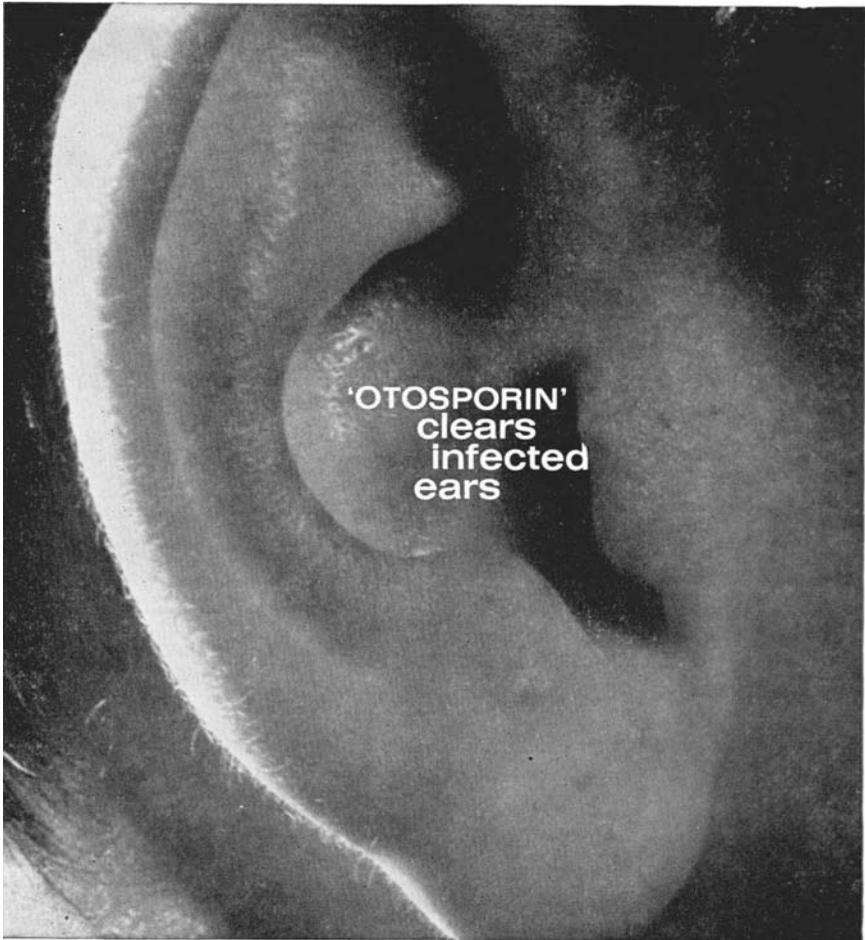
please write for technical literature to meet your needs

AMPLIVOX

HEARING ADVISORY SERVICE LTD.

80 New Bond Street, London, W.1. Tel: HYDe Park 9888

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