Vol. LXV. No. 5

The Journal of Laryngology and Otology

EDITED BY WALTER HOWARTH

ASSISTANT EDITOR R. SCOTT STEVENSON

WITH THE COLLABORATION OF G. H. BATEMAN V. E. NEGUS R. G. MACBETH

Contents

THE INFLUENCE OF HEREDITY ON THE PNEUMATIZA- TION OF THE TEMPORAL BONE	Носн
THE NERVE SUPPLY OF THE LARYNGRAL MUSCLES .	A. 1
TROTTER'S SYNDROME AND ASSOCIATED LESIONS .	N
CLINICAL RECORDS-	
TUBERCULOSIS OF THE MIDDLE EAR. TREAT-	
MENT WITH STREPTOMYCIN	Α.
THE LEECH AS AN ENDO-PARASITE	J. F. (
A CASE OF CENTRAL ABDUCTOR PARESIS OF THE	
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

A. R. DINGLEY

WILLIAM SCHWARTZ F. WILLIAMS

ASHERSON

). MITCHELL

W. S. SOMMERFELD

Societies' Proceedings— The North of England Oto-Laryngological Society

ABSTRACTS-

GENERAL THE EAR THE NASAL SINUSES The Pharynx and Nasopharynx The Œsophagus Miscellaneous

GENERAL NOTES

London Headley Brothers Ltd 109 Kingsway WC2

Monthly, 7/6 net post free

Annual Subscriptions £3/3/0 net

ADVERTISEMENTS

The Journal of Laryngology and Otology

(Founded in 1887 by MORELL MACKENZIE and NORRIS WOLFENDEN)

EDITED BY

WALTER HOWARTH

ASSISTANT EDITOR R. SCOTT STEVENSON

WITH THE COLLABORATION OF V. E. NEGUS R. G. MACBETH G. H. BATEMAN

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. The Harvard system of recording references should be used, e.g.

GREEN, C., and BROWN, D. (1951) J. Laryng. and Otol., 65, 33. 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 additional matter added.

4. Blocks illustrating articles are normally paid for by the *Journal*. Authors may, however, be required at the Editor's discretion, to contribute towards the cost of these in cases where this is particularly heavy.

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 W C 2.

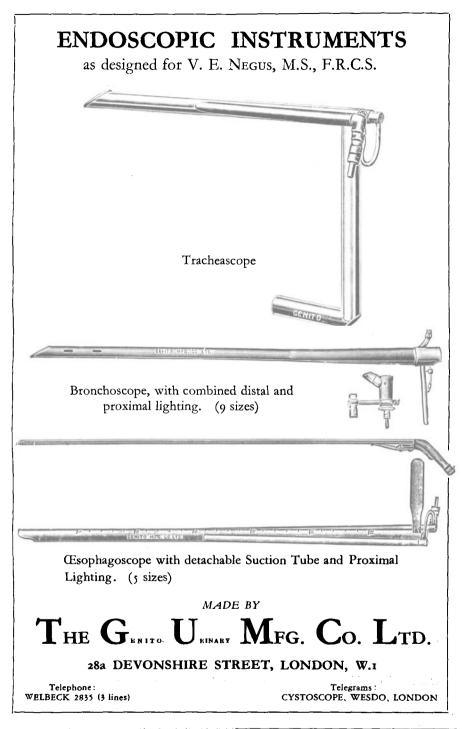
8. The annual subscription is three guineas sterling, post free, and is payable in advance.

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 either through a local bookseller, or to Messrs. G. E. STECHERT & Co., 31-33 East 10th Street, New York, or they may be sent direct to the publishers, HEADLEY BROTHERS LTD, 100 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 and Englishmade Harvard Spondee records also 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)

PRESCRIBE THE EASY EFFECTIVE METHOD

When spraying, the patient can hold his head in a natural position, yet the solution spreads throughout the nasal cavity, assuring thorough treatment. Effective dropper-application, on the other hand, requires a complicated posture technique which patients are apt to neglect in home treatment.



 These illustrations, which are based on X-ray research, clearly demonstrate the advantages of the atomizer as compared with the dropper
The AEROGRAPH Co., Ltd., Lower Sydenham, London, S.E.26 Sole Distributors of DeVilbiss Products in the United Kingdom. Telephones: Sydenham 6060—B Lines.

NOW READY

THE ACOUSTIC METHOD

DeVilbiss

ATOMIZERS

For the Training of the Deaf and Hard-of-Hearing Child

By MAX A. GOLDSTEIN, M.D., LL.D.

This Volume contains 244 pages; 50 illustrations

Textile Leather (Waterproof) Binding

\$3.00 Postage Prepaid

Twelve chapters, including Evolution of the Acoustic Method — Definition and Principles of the Acoustic Method — The Practice of the Acoustic Method — The Pupil: (1) The Deaf Child; (2) The Hard-of-Hearing Child; (3) The Pre-School Deaf Child — The Teacher — Case Recording — Tests of Hearing — Audiometers — The Audiogram — Hearing Aids — Tactile Training — Anatomy of the Ear.

Published by THE LARYNGOSCOPEPRESS640 South KingshighwaySt. Louis, Mo.

ADVERTISEMENTS



Please mention The Journal of Laryngology when replying to advertisements

v



BINDING

Journal of Laryngology & Otology

Subscribers wishing to have their Journals bound can do so by sending them to the Publishers.

Volumes are strongly bound in whole dark blue buckram cases, with gold lettering on spine. The cost of binding is 25s. per volume, including postage.

Some missing parts can be supplied at 7s. 6d. each, or the whole volume, complete in the above binding, for 88s.

Publishers' cases can be supplied for 10s., including postage.

HEADLEY BROTHERS LTD, 109 KINGSWAY LONDON W C 2

CONTENTS

THE INFLUENCE OF HEREDITY ON THE PNEUMATIZATION OF THE TEMPORAL BONE. Hugh William Schwartz (Halifax,	PAGE
Nova Scotia)	317
THE NERVE SUPPLY OF THE LARYNGEAL MUSCLES. A. F. Williams (Manchester)	343
TROTTER'S SYNDROME AND ASSOCIATED LESIONS. N. Asherson (London)	349
	542
CLINICAL RECORDS— Tuberculosis of the Middle Ear. Treatment with Strepto-	
mycin. A. R. Dingley (London)	367
The Leech as an Endo-Parasite. J. F. O. Mitchell (Edinburgh)	370
A Case of Central Abductor Paresis of the Vocal Cords. W. S. Sommerfeld (Affulah, Israel)	373
Societies' Proceedings-	
The North of England Oto-Laryngological Society	378
Abstracts-	
General Bollettino della Societa Italiana di Fonetica sperimentale, Fonetica biologica, Foniatria, Audiologia, 1950	389
Ear	390
The Maintenance and Improvement of Hearing in Radical Mastoid Surgery. Joseph A. Sullivan; Cholesteatomatous Cysts Secondary to Incomplete Removal of the Cholesteatomatous Matrix. Joseph W. Begley, Jr. and Henry L. Williams	
Nasal Sinuses	390
Unilateral Pansinal Mucocele Simulating a Malignant Neoplasm : Report of a Case. Walter P. Anthony and Henry L. Williams	
Pharynx and Nasopharynx	390
Neoplasm of the Nasopharynx, Piero Scevola; Tonsillectomy and Adenoid- ectomy, and Poliomyelitis. Alden H. Miller; Multiple Plasmocytomata in the Region of the Upper Air Passages. R. Maurer; Experimental Studies on the Penicillin Treatment of Chronic Tonsillitis. P. Biesalski	
Œsophagus	392
Miscellaneous	392
Hearing and Speech Problems in Children: Observations and Use of Electro- encephalography. Richard E. Marcus; Modern Trends of Surgery and Treat- ment in Otolaryngology. W. H. Johnston; Protein Metabolism in Surgical Patients. I. S. Radvin and Nicholas S. Gimbel; Some Problems of the Common Cold. Arthur L. Bloomfield	
General Notes	394

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