March 1973

Vol. LXXXVII No. 3

Jon

The Journal of Laryngology and Otology

EDITED BY SIR GEOFFREY BATEMAN

> ASSISTANT EDITOR JOHN BALLANTYNE

Contents

Surgical treatment of Ménière's disease	•	G. D. L. SMYTH and J. E. T. BYRNE	205
Ménière's disease and plasmatic hyperosmolarity	+	D. CELESTINO and G. IANNETTI	229
Vestibular analysis in streptomycin ototoxicity		T. J. WILMOT	235
Vestibular analysis in vestibular neuronitis .		T. J. WILMOT	239
Tuberculous otitis media - , , , ,		T. PALVA, A. PALVA and J. KÄRJÄ	253
Wider application of prolonged nasotracheal intul	ba-		00
tion	•	C. E. Bos, R. N. P. BERKOUITS and W. H. STRUBEN	263
Anomalies of the middle-ear muscles	1.79	J. L. W. WRIGHT and B. ETHOLM	281
Clinical records-			
Remission in Wegener's granulomatosis , .		C. ARVANITAKIS	289
Kaposi's sarcoma of tonsil		K. B. RAIKUNDALIA	295
Tinnitus in Paget's disease with external carotid li	ga-		
tion , , , , , , , ,		R. Gibson	299
Benign lymphoma (Castleman) - Angionodu			
hyperplasia of cervical lymph node		K. Jokinen, M. Korhonen	
Bilateral macrostomia as an isolated deformity		and K. DAMMERT DONALD B. HAWKINS,	303
Bhaterai macrostomia as an isolated delorinity		JOHN W. MILES	
Adenoid cystic carcinoma of the ear canal		and DAVID C. SELTZER M. M. L. ARORA, YOGINDER N. MEHRA	309
	and	T. K. BHATTACHARYYA	315
General notes			321

Headley Brothers Ltd Ashford, Kent

Annual Subscription Levelshed online by Cambridge University Press

Monthly, f. 1 net, post free

The Journal of Laryngology and Otology

(FOUNDED in 1887 by MORELL MACKENZIE and NORRIS WOLFENDEN)

EDITED BY SIR GEOFFREY BATEMAN

ASSISTANT EDITOR

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 writter 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), *Journal of Laryngology and Otology*, 65, 33. The titles of all Journals should be given without abbreviation.

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 will normally be held by the Printers for three years, after which they will be destroyed. Any author 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., The Invicta Press, Ashford, Kent. Coloured illustrations will be charged to authors, unless a special grant is authorized by the Editor.

5. Orders for reprints must be sent when returning galley proofs, and for this purpose special forms are supplied.

6. Editorial communications may be addressed to THE EDITOR, Journal of Laryngology, c/o HEADLEY BROTHERS LTD., The Invicta Press, Ashford, Kent.

7. The annual subscription is £8 (eight pounds sterling) post free; U.S.A. \$23 post free, and payable in advance.

8. Single copies of current or back numbers (when available) will be on sale at f_{1} (including postage) each.

 All subscriptions, advertising and business communications should be sent to the publishers, or subscription agents.

HEADLEY BROTHERS LTD.

The Invicta Press, ASHFORD, Kent.

C Journal of Laryngology and Otology Ltd., 1973

AMPLIVOX 84 The successor to the world's most widely used clinical Audiometer.



Take a look at all the advantages you get with this superb audiometer.

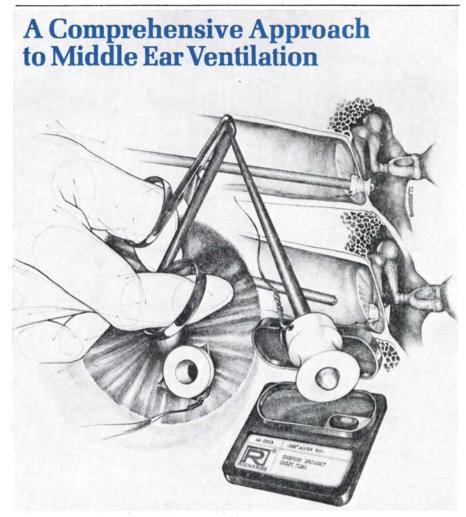
- Pure tone at eleven frequencies—now including 750 Hz
 Bone conduction at eight frequencies
- Narrow band masking via insert and headphones Automatic presentation
- ISO specification
- Trimpot calibration
- Continuously variable second channel for ABLB (Fowler) recruitment test
- Tone decay test
- Illuminated patient's signal

PLUS Calibrated speech audiometry via microphone or tape.

Write now for illustrated brochure to:

AMPLIVOX HEARING CONSERVATION LTD

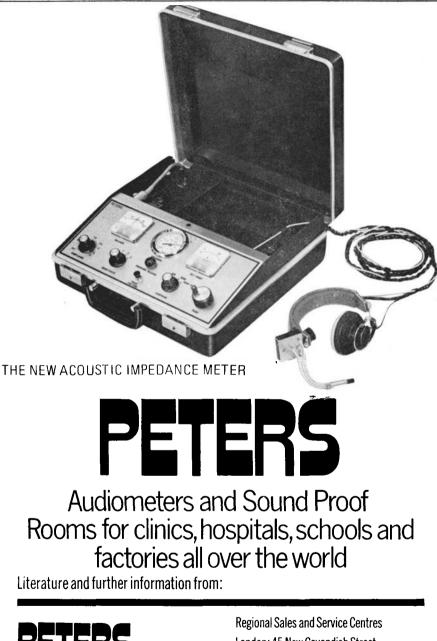
Beresford Avenue, Wembley, Middx. HAO 1RU. Phone: 01-902 8991



Whether performed in the office or at surgery, routine middle ear ventilation can very well become time-consuming and inconvenient if the implants are difficult to handle and identify, if sterile technique is in question or if the preferred size and style of tube is not available.

Designing and crafting middle ear ventilation tubes, such as the hand finished Shepard Grommet illustrated, is only the first step in Richards efforts to provide the physician a quick, sure means of completing his procedure without difficulty. The availability of tubes in the sizes, materials and configurations preferred, precision inserting instruments in three tube sizes and asafeguard system of reusable sterile packaging and identification are exclusive features that conserve valuable time and help to insure the desired result when Richards middle ear ventilation tubes are specified.

> RICHARDS MANUFACTURING COMPANY, INC. 1450 BROOKS RD., MEMPHIS, TENN. 38116, A.C. 901 • 396-2121 RICHARDS SURGICAL S.A. RUE DES BEGONIAS NO. 4 1170 BRUSSELS, BELGIUM RICHARDS SURGICAL CALLED. 130 EAST DRIVE BRAMALEA, ONTARIO



London: 45 New Cavendish Street, London W1 Telephone 01-935 2604

South West England: 7 St. Augustine's Parade, Bristol BS1 4 HX Telephone 0272 20737

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

Head Office: 55 Clarkehouse Road, Sheffield S10 2LE Telephone 0742 64434

SUDAFED nasal decongestant

The efficacy of SUDAFED as a decongestant has recently been demonstrated:

"In a double blind trial, oral pseudoephedrine (60 mg) was shown to produce a significant increase in maximal nasal flow..."

Europ J clin Pharmacol, (1971) 3, 182

Unlike many decongestants SUDAFED* does not cause drowsiness because it contains no antihistamine. SUDAFED leaves your patient breathing clearly and thinking clearly.

Each SUDAFED tablet contains 60 mg of pseudoephedrine hydrochloride.

Also available: SUDAFED Elixir containing 30 mg pseudoephedrine hydrochloride in each 5 ml.



*Trade Mark

Full information is available on request. Calmic Limited, Medical Sales Division (The Wellcome Foundation Ltd.) Berkhamsted, Herts.



Cine adapter with automatic diaphragm setting

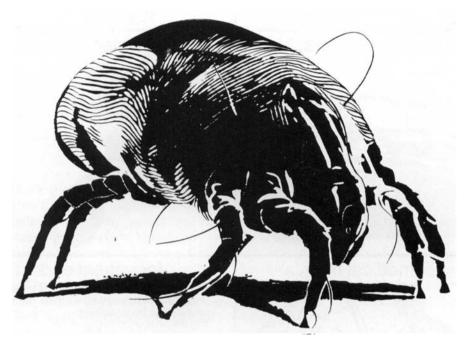
The new cine adapters for the Beaulieu 16mm and Super 8mm cameras makes cinephotography with all ZEISS operation microscopes easier, faster and safer. All factors for the diaphragm setting, such as primary magnification on the film, obect illumination, film speed and exposure frequency, are automatically adjusted.

Full details from the sole UK agents for Carl Zeiss of West Germany Degenhardt & Co Ltd 31/36 Foley St London W1P 8AP 01-636 8050 (15 lines)

CARL ZEISS German	y Degenhardt

"Dermatophagoides...

a very potent allergen to which very many asthma patients have become sensitized¹"



The house dust mite, D. farinae, is approximately 300 microns in length.

specific hyposensitisation with



MITE FORTIFIED HOUSE DUST

produced good results in 83% of patients²

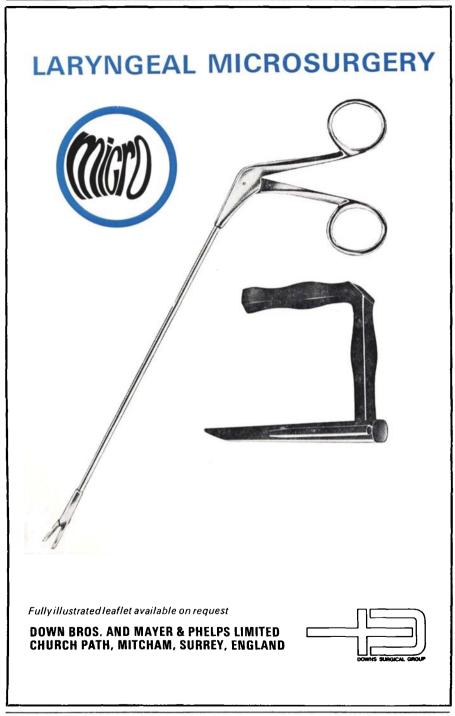
Full information is available on request

ALLPYRAL is a trade mark

DOME LABORATORIES, DIVISION OF MILES LABORATORIES LTD., THE STOKE COURT, STOKE POGES, SLOUGH, BUCKS, TEL: FARNHAM COMMON 2151

1 Acta Allergologica (1969), XXIV, 115 2 Annals of Allergy (1971) 29,578 DM539

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



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 \$25.00 per year Canada \$27.00 per year Foreign \$27.00 per year

ESTABLISHED 1896

The

Canadian

nf

Otolaryngology

Journal

Joseph H. Ogura, M.D. Editor

222 PINE LAKE ROAD, COLLINSVILLE, ILLINOIS 62234

Quarterly --- Bilingual.

Annual subscription Canada and U.S.A. \$16.00 (trainees \$10.00), elsewhere \$17.00.

Subscription requests to Dr. P. W. Alberti, Editor, New Mount Sinai Hospital, 550 University Avenue, Toronto 2, Ontario, Canada.

Advertising information: Mr. W. G. Tiffin, 2 Tremont Crescent, Don Mills, Ontario, Canada.

For advertisement space in this Journal

apply to

HEADLEY BROTHERS LTD. Ashford, Kent

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



clears both fungi and bacteria in ear infections

- * Antibacterial
- * Antifungal
- * Anti-inflammatory
- *Anti-pruritic
- * Penetrant-to ensure rapid tissue contact
- Availability 8ml bottle + dropper

Full information is available on request



Oto-, Rhino-, Laryngology

Important, up-to-date, and scientifically accurate abstracts of reports from the world's biomedical literature dealing with Oto-, Rhino-, Laryngology are brought to your desk in this monthly publication.

First published in 1948, Oto-, Rhino-, Laryngology currently contains some 4,750 abstracts each year.

MAIN CHAPTER HEADINGS

- SKULL
 FACE AND LIPS
 MOUTH
 TONGUE
 SALIVARY GLANDS
 NECK
 PHARYNX
 ESOPHAGUS
 LARYNX
 TRACHEA
 BRONCHI, LUNGS, MEDIASTINUM
 OLFACTORY SYSTEM
 EXTERNAL NOSE
 NASAL CAVITY
- 14. NASAL CAVITY
- 15. NASAL SEPTUM

 16. NASOPHARYNX
 17. NASAL SINUSES
 18. EXTERNAL EAR
 19. MIDDLE EAR
 20. INTERNAL EAR
 21. OTOSCLEROSIS
 22. MENIERE DISEASE
 23. FACIAL NERVE
 24. VESTIBULAR SYSTEM
 25. CEREBELLOPONTINE ANGLE TUMORS
 26. HEARING
 27. SPEECH
 28. PHONIATRICS

29. ANESTHESIA

Specimen copies are available on request.

Annual Subscription Rate: U.S. \$50.00/£20.95. Sterling/Dfl. 180,00

EXCERPTA MEDICA

Herengracht 119-123, Amsterdam, The Netherlands

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

ALERGIC RHINTIS A completely fresh approach

The unique way in which sodium cromoglycate prevents asthmatic reactions has been the subject of over 150 clinical trials. Prompted by this success, more recent investigators have shown that, in the form of RYNACROM, sodium cromoglycate has a similar protective effect on the nasal mucosa and can provide year-round prophylaxis in allergic rhinitis²





RYNAUTON is not a decongestant, anticholinergic, antihistamine or steroid. Its action is unlike any other form of treatment.

In the face of challenge – pollen, house dust, feathers, pets, etc – RYNA-CROM (sodium cromoglycate) prevents the degranulation of those cells which normally rupture and release histamine and inflammatory agents. Thus regular insufflation of RYNACROM provides continuous prophylaxis from a condition which, hitherto, has been difficult to control symptomatically and even more difficult to prevent. A number of patients who



have failed to respond to other forms of treatment have greatly benefited from RYNACROM!

RYNACROM does not produce inconvenient side effects associated with conventional therapy.

References 1. Practitioner 1972 208 671 2. J Laryngol & Otol 1972 86 725

Further information is available from



FISONS LIMITED-PHARMACEUTICAL DIVISION Loughborough, Leicestershire, England



xi

