March 1994

# The Journal of Laryngology and Otology





Founded in 1887 by Morell Mackenzie & Norris Wolfenden

#### **Edited by NEIL WEIR**

Assistant Editors CAROL WENGRAF, RICHARD RAMSDEN, PETER RHŶS EVANS, DAVID PROOPS, VALERIE LUND, HENRY GRANT, ANDREW JONES & GUY KENYON

Book Review and Abstracts Editor JOHN B. BOOTH

**Emeritus Advisor in Pathology IMRICH FRIEDMANN** 

Advisors in Pathology BRIAN MANNERS, CHRISTOPHER MILROY, KENNETH MACCLELLA? LESLEY SMALLMAN

Advisor in Audiology LINDA LUXON

Advisors in Radiology GLYN LLOYD & PETER PHELPS

Advisors in Statistics ANTHONY HUGHES & PETER KELLY

Production Editors GILLIAN GOLDFARB & INGA McKENZIE

Vol 108 No 3

### The Journal of Laryngology and Otology

(Founded in 1887 by MORELL MACKENZIE and NORRIS WOLFENDEN)

Edited by NEIL WEIR

Assistant Editors CAROL WENGRAF, RICHARD RAMSDEN, PETER RHŶS EVANS, DAVID PROOPS, VALERIE LUND, HENRY GRANT, ANDREW JONES & GUY KENYON Book Reviews and Abstracts Editor JOHN B. BOOTH

#### Production Editors GILLIAN GOLDFARB & INGA McKENZIE

INSTRUCTIONS FOR AUTHORS

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. Normally an original main article should not exceed 7500 words.

Longer articles or theses will be considered for publication as Supplements, at the expense of the authors or their

2. Manuscripts should be typewritten in duplicate on one side of the paper only (A4 297×210 mm) and double spaced, with wide margins.

Begin each component on a new page in the following sequence: title page, abstract, text, acknowledgements, references, tables and legends.

(a) Abstract—This should contain not more than 150 words and include a statement of the problem, the method of study, results and conclusions; a 'summary' section should not be included in the main manuscript.

(b) Key Words—only those appearing as Medical Subject Headings (MeSH) in the supplement to the Index Medicus may be used; where no appropriate word(s) are listed those dictated by common sense/usage should be supplied.

(c) Text—Suggested outline—(1) introduction, (2) materials and methods, (3) results, (4) discussion, (5) conclusion.

(d) Tables are adjuncts to the text and should not repeat material already presented.

(e) Illustrations—Two sets of illustrations, one with each copy of the manuscript, must be submitted and all authors should remember that the single column width is 80mm. One set of illustrations should, therefore, not exceed this width and they should ensure that the essential features are illustrated within this dimension.

Coloured illustrations will be charged to authors, unless a special grant is authorized by the Editor.

Written permission from the publisher must be provided to the *Journal* in order to republish material with copyright elsewhere and also from the senior author where necessary.

(f) Measurements must be in metric units, with Système Internationale (SI) equivalents given in parentheses.

(g) **References**—For *Journal* articles, The Harvard system of recording references should be used, e.g. Green, C. and Brown, D. (1951) The tonsil problem. *Journal of Laryngology and Otology* **65**: 33–38. A paper written by more than two authors should be abbreviated in the text, e.g. Green *et al.* (1951), but *all* the authors should be given in the list of references. The titles of all Journals should be given without abbreviation. **References should be listed in alphabetical order**; use of the Vancouver system will not be accepted.

For single-author books, the following style should be used: Green, C. (1951) *The tonsil problem,* 2nd Edition, vol. 1, Headley Brothers Ltd., Ashford, Kent, pp 33–38.

For papers in multi-author books with one or more editors, the reference should include the title of the chapter and the names of the editors, together with the number of the edition as eg: Brown, D. (1951) Examination of the ear. In *Diseases of the Ear, Nose and Throat.* 2nd Edition. (White, A., Black, B., eds.), Headley Brothers Ltd, Ashford, Kent, pp 33–38.

It is most important that authors should verify personally the accuracy of every reference before submitting a paper for publication. The names of authors cited in the References should be given in alphabetical order.

(h) Drugs—The proper names of drugs must be used. One reference can be made to the brand name if it is felt to be important to the study.

(i) Meetings—If the manuscript was presented at a meeting, the place where it was held, and the date on which it was read

must be included and should appear at the foot of the title page.

(j) Financial disclosures—In the submission letter to the Editor, the authors must list all affiliations with or financial involve-

ment in, organizations or entities with a direct financial interest in the subject matter or material of the research discussed in

(k) Declaration. Each manuscript must be accompanied by a letter of declaration to be signed by each author to confirm

that they have seen, read and approve the contribution bearing their name.

(I) Rejections—All manuscripts which are rejected will no longer be returned to the authors. Those submitting papers should, therefore, ensure that they retain at least one copy and the reference numbers, if any, of the illustrations. The only exception to this will be those manuscripts with colour illustrations which will be returned automatically by

(m) Facsimile (FAX). All authors should send a Facsimile number whenever possible to speed communication; this particularly applies to those outside the United Kingdom. Manuscripts with no visual illustrations (X-rays/pathology) may be sent by

- 3. Page proofs are sent to authors for corrections, which should be kept to a minimum; they must be clearly marked, and no extra matter added. Proofs should be returned within 5 days.
- 4. Orders for reprints must be sent when returning page proofs, and for this purpose special forms are supplied.
- 5. Editorial communications may be addressed to The Editor, Journal of Laryngology and Otology, c/o Headley Brothers Ltd., The Invicta Press, Ashford, Kent TN24 8HH or sent by FAX (0483 451874).
- 6. The annual subscription is £95.00 Institutions & Libraries US\$190.00; £85.00 Individuals US\$170.00; £45.00 Registrars, Residents and Interns. (Those in training should submit a certificate from The Head of the Department giving details of their appointment; those who qualify must supply their home address for mailing direct). Claims to be made for missing issues within 6 months of each publication date.
  - 7. Single copies of current or back numbers (when available) will be on sale at £12.00 each (including postage).
  - 8. SUPPLEMENTS published at 'irregular' intervals with subscription, available separately on request.
  - 9. All subscriptions, advertising and business communications should be sent to the publishers, or subscription agents.

#### HEADLEY BROTHERS LTD.

THE INVICTA PRESS, ASHFORD, KENT. © Journal of Laryngology and Otology Ltd., 1994 ISSN 0022-2151

Second class postage paid Rahway, N.J.

Postmaster: Send address corrections to The Journal of Laryngology and Otology, c/o Mercury Airfreight International Ltd. Inc., 2323 Randolph Avenue, Avenel, N.J. 07001. Frequency of Publication: Monthly

# The AD 25 DIAGNOSTIC AUDIOMETER

# from Kamplex®



The latest addition to the Kamplex range incorporates many of the more popular features found on the best selling ADI in a lightweight low cost package.

The attractive low profile design and easy-to-read back-lit display makes this a perfect desktop audiometer. Air Conduction, Bone Conduction and Narrow-band masking in 5dB steps are available together with an extremely useful talk-through facility.

Superbly engineered for reliability and portability (with the optional case), the AD25 also offers an automatic test facility A patient's audiometric results whether recorded manually or automatically may be stored and later recalled.

\*Auto Threshold complies with ISO 8253, Audiometric Test Methods

- Robust and Portable (with optional carrying case)
  - AC/BC/Narrow-Band Masking
    - Pure, Warble and Pulsed Tones

- Clear, easy to read Back-lit Display
  - Automatic Test Facility (Conforms to ISO 8253)
    - Results Storage and Recall Capability
      - Insert Masking

## P.C.WERTH LTD

Audiology House, 45 Nightingale Lane, London SW12 8SP Telephone: 081-675 5151 Fax: 081-675 7577 https://doi.org/10.1017/slnstrument @ivisions|@irectrluinety@ah-676g5t5l/ersity Press

# Month after Month, Cover to Cover The BEST in Otolaryngology

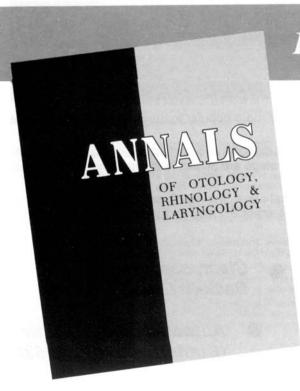
# Laryngoscope FOUNDED IN 1896

J. Gershon Spector, M.D. Editor

10 So. Broadway • Suite 1401 St. Louis, MO 63102



U.S. \$110.00 per year Outside U.S. \$135.00 per year Institutional Rate: U.S. \$150.00 per year • Outside U.S. \$175.00 per year



• MONTHLY ISSUES • SUPPLEMENTS

• PEER REVIEWED • CLINICAL AND RESEARCH
• IMAGING CASE STUDIES • PATHOLOGY CONSULTATIONS

LETTERS TO THE EDITOR • BOOK REVIEWS

## **INVEST IN YOURSELF**

OFFICIAL JOURNAL OF THE
AMERICAN LARYNGOLOGICAL ASSOCIATION

#### 1994 ANNUAL SUBSCRIPTION RATES

 RESIDENT\*
 INDIVIDUAL\*
 INSTITUTIONAL

 US
 □ \$52.00
 □ \$ 99.00
 □ \$148.50

 FOREIGN
 □ \$64.00
 □ \$119.00
 □ \$168.50

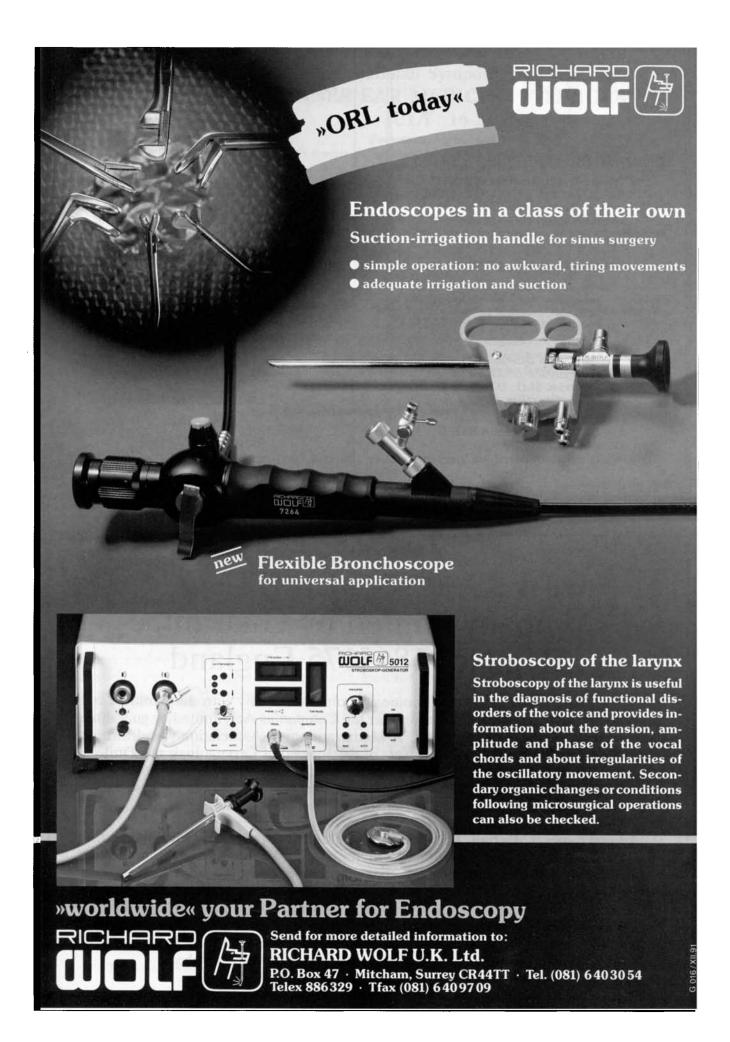
\*Individual, resident, and student subscriptions must be in the individual's name and must be billed to and paid for by the individual.

# NEW SUBSCRIBERS RECEIVE 2 ISSUES FREE WITH PAID SUBSCRIPTION



Mail to or call:
ANNALS PUBLISHING CO
4507 LACLEDE AVENUE
ST LOUIS, MISSOURI 63108
(314) 367-4987
FAX (314) 367-4988







#### Twentieth International Workshop

ON TISSUE-INTEGRATED IMPLANTS IN CRANIOFACIAL REHABILITATION AND AUDIOLOGY

by The Unit for Craniofacial Implants Department of Otolaryngology, Sahlgren's Hospital University of Göteborg, Sweden

#### October 5–7, 1994

This three-day workshop will include:

Principle aspects of osseointegration Live surgery with participants in OR Bone Biology and Interface Zone

Patient demonstrations The Bone Anchored Hearing Aid Laboratory procedures for

Practical training for the surgical

craniofacial prosthesis

Workshop Directors: Anders Tjellström, M.D., Ph.D. Gösta Granström, M.D., D.D.S., Ph.D. Kerstin Bergström, CDT.

For further information contact: Anders Tjellström, M.D., Ph.D., Department of Otolaryngology, Sahlgren's Hospital, University of Göteborg, Göteborg, Sweden.

Tel: int - 46-31-603504

Fax: int - 46-31-416734

For Advertisement Rates and Space in this Journal apply to

> The Advertisement Manager

## THE JOURNAL OF LARYNGOLOGY AND OTOLOGY

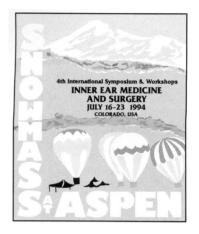
**Headley Brothers Limited** The Invicta Press Ashford Kent TN24 8HH

Tel: (0233) 623131

# J.L.O. (1984) LIMITED Company limited by Guarantee Reg No: 1865175 England

In 1984, The Journal ceased to become a Limited Company with shareholders and instead became a registered charity under the Companies Act, limited by guarantee and without having a share capital. A Memorandum of Association was drawn up and the Association acquired the assets of the Journal of Laryngology and Otology Limited. Former shareholders were invited to become members of the Association and all those who undertook to do so, gave a Guarantee that should the association need to be wound up, they would contribute a sum not exceeding £20.

Annual General Meeting. This is normally held each year in early November, and it is to the Members of the Assocition that invitations are issued. Any individual paying a full subscription who would like to become a member of the Association is asked to write to the Editor, c/o Headley Brothers, confirming that he or she will make such a guarantee of £20 if the occasion were to arise. Applications for membership may be made at any time. It is hoped that more full subscribers will take up this offer and attend the Annual General Meeting so that there can be a more lively exchange of views between them, and the Editorial staff and publishers.



Organized by the Prosper Meniere Society

#### 4<sup>th</sup>International Symposium & Workshops INNER EAR MEDICINE & SURGERY JULY 16-23 1994

Snowmass/Aspen Colorado USA

Co-Sponsors: International Meniere's Disease Research Institute-IMDRI and the Colorado Neurological Institute (CNI) at Swedish Medical Center, Englewood, CO USA

#### **GUESTS OF HONOR**

UGO FISCH, MD Zurich, SWITZERLAND HOWARD P. HOUSE, MD Los Angeles, CA USA BRIAN F. McCABE, MD Iowa City, IA USA ANDREW MORRISON, FRCS London, England UK

Call for Papers

TOPICS: Viral Immune Inner Ear Disease \*Middle Ear/Inner Ear Endoscopies & Lasers \*Imaging of the Inner Ear, Vestibular Aqueduct & 8th Nerve \* Diagnostic Electrocochleography (ECoG) \*Intraoperative ECoG Monitoring \*Otoacoustic Emissions(OAE) \*Innovative Approaches in Neurotology \*Inner Ear Fluid Dynamics & Pathophysiology \*Diagnosis & Natural History of Meniere's Disease \*Endo-lymphatic Hydrops \*Perilymph Fistulas & Leaky Ears \* NonDestructive Inner Ear Surgery \*Vestibular Nerve Section & Labyrinthectomy \*Cochlear Implants

\* George E. Shambaugh, Jr. MD: Study Group for Inner Ear ImmuneAllergic Disorders & Hydrops Meeting Coordinators: Jane Wells, Apryl Salz or Kay Mack.

MAIL: I. Kaufman Arenberg, MD. Executive Director/Program Chairman

#### **IMDRI**

300 E. Hampden Ave., Suite 401, Englewood Colorado 80110 USA PHONE: (303) 788-4230 or (303) 781-7223. FAX: 303/788-4234.

#### THE **BRITISH ACADEMIC** CONFERENCE IN OTOLARYNGOLOGY

#### Manchester 9 - 14th July 1995

Master: Mr Andrew W Morrison, FRCS

The next conference will be held in the University of Manchester Institute of Science and Technology. Distinguished invited international contributors will present and discuss recent developments in otolaryngology, head and neck surgery. Main topic sessions will include:

- Sensorineural deafness
- Skull base surgery
- Chronic rhinosinusitis
- Phoniatrics and voice surgery
   Carcinoma of the larynx
- Controversies in Head and Neck Surgery
- Controversies in Otology
- Facial plastic surgery

- Otitis media with effusion
- ORS main topic session
- Controversies in Rhinology
- Facial palsy

Instructional Sessions will be held in small seminar groups, and there will be six Mini-Symposia:

Allergy

- Cochlear and osseointegrated implants
- Education and training in ENT Swallowing, aspiration and dysphagia
- Molecular biology and ENT
- Electrophysiology in ENT

There will be temporal bone dissection demonstrations, a continuous programme of video films, and both Scientific and Trade Exhibitions, together with a full social programme for delegates and spouses. Further details and a copy of the Preliminary Notes may be obtained from the Conference Secretary:

Ms Barbara Komoniewska

British Association of Otolaryngologists

The Royal College of Surgeons of England, 35 – 43 Lincoln's Inn Fields, London WC2A 3PN, England Telephone: 071 404 8373 Facsimile: 071 405 0318



Recurrent vertigo under control means that patients can continue with their normal daily activities.

With non-sedative Serc-16, driving can be a part of that way of life — because new evidence has shown that even high doses of Serc (72mg tds) did not impair driver

Prochlorperazine (5mg tds), however, caused a significant deterioration in driving skills, of which the drivers themselves were unaware.1

The way ahead is now clear for your patients with recurrent vertigo -R Serc-16 1 tds.

NON-SEDATIVE

Serc-16

# THE WAY AHEAD IN RECURRENT VERTIGO

due to Ménière's syndrome

duphar

P. 1 v.d.