

The Journal of Laryngology and Otology

EDITED BY
G. H. BATEMAN

ASSISTANT EDITOR
LIONEL TAYLOR

Contents

GLANDULAR FEVER	T. M. L. PRICE
GLANDULAR FEVER	BRIAN PICKARD
PREVENTION OF CORROSIVE STRICTURE OF THE ESOPHAGUS IN THE RAT	RONALD A. MCNEILL and R. B. WELBOURN TERENCE CAWTHORNE and WILLIAM EDWARDS J. PEPYS J. I. MUNRO BLACK
THE RESPIRATORY SYSTEM IN HEALTH AND DISEASE .	D. W. STUART ✓
IMMUNOLOGICAL ASPECTS OF RESPIRATORY DISEASE .	ISKANDER H. GIRGIS
CHRONIC RESPIRATORY SUPPURATION IN CHILDREN .	
SURGERY IN CANCER OF THE CERVICAL ESOPHAGUS PLASTIC TUBE REPLACEMENT	H. W. H. SHEPPERD
BLOOD SUPPLY OF THE UVULA AND ITS SURGICAL IMPORTANCE	C. C. H. DALE M. M. ALTMAN and D. GUTMAN M. L. BHATIA, S. C. MISRA and J. PRAKASH
CLINICAL RECORDS—	D. WORGAN
ANDROGENIC HOARSENESS	FRANCIS BAUER
A CASE OF SUPPURATIVE PAROTITIS	W. J. NEWLANDS
ECHINOCOCCUS OF THE PAROTID GLAND	
LARYNGEAL MANIFESTATIONS IN ACROMEGALY .	
UNILATERAL CHOANAL ATRESIA ASSOCIATED WITH A RHINOLITH	
TROPIC ULCERATION OF THE ALA NASI FOL- LOWING TRIGEMINAL DENERVATION	
XANTHOMATOSIS WITH INVOLVEMENT OF THE PHARYNX	
SOCIETIES' PROCEEDINGS—	
ROYAL SOCIETY OF MEDICINE—SECTION OF LARYNGOLOGY	
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 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 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, 109 Kingsway, London, WC2. 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. 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-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*, 1966

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

CONTENTS

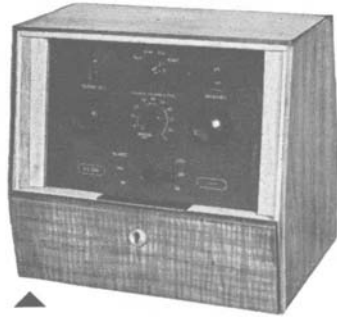
	PAGE
GLANDULAR FEVER. T. M. L. Price (London)	339
GLANDULAR FEVER. Brian Pickard (London)	344
PREVENTION OF CORROSIVE STRICTURE OF THE ŒSOPHAGUS IN THE RAT. Ronald A. McNeill and R. B. Welbourn (Belfast)	346
THE RESPIRATORY SYSTEM IN HEALTH AND DISEASE. Terence Cawthorne and William Edwards (London)	359
IMMUNOLOGICAL ASPECTS OF RESPIRATORY DISEASE. J. Pepys (London) .	373
CHRONIC RESPIRATORY SUPPURATION IN CHILDREN. J. I. Munro Black (Newcastle upon Tyne)	379
SURGERY IN CANCER OF THE CERVICAL ŒSOPHAGUS: PLASTIC TUBE REPLACEMENT. D. W. Stuart (North Staffordshire)	382
BLOOD SUPPLY OF THE UVULA AND ITS SURGICAL IMPORTANCE. Iskander H. Girgis (Cairo)	397
CLINICAL RECORDS—	
ANDROGENIC HOARSENESS. H. W. H. Shepperd (Bangor, Northern Ireland)	403
A CASE OF SUPPURATIVE PAROTITIS. C. C. H. Dale (London)	406
ECHINOCOCCUS OF THE PAROTID GLAND. M. M. Altman and D. Gutman (Haifa, Israel)	409
LARYNGEAL MANIFESTATIONS IN ACROMEGALY. M. L. Bhatia, S. C. Misra and J. Prakash (Lucknow, India)	412
UNILATERAL CHOANAL ATRESIA ASSOCIATED WITH A RHINOLITH. D. Worgan (London)	418
TROPIC ULCERATION OF THE ALA NASI FOLLOWING TRIGEMINAL DENERVATION. Francis Bauer (Liverpool)	422
XANTHOMATOSIS WITH INVOLVEMENT OF THE PHARYNX. W. J. Newlands (Edinburgh)	426
SOCIETIES' PROCEEDINGS—	
ROYAL SOCIETY OF MEDICINE—SECTION OF LARYNGOLOGY	433
GENERAL NOTES	435

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.

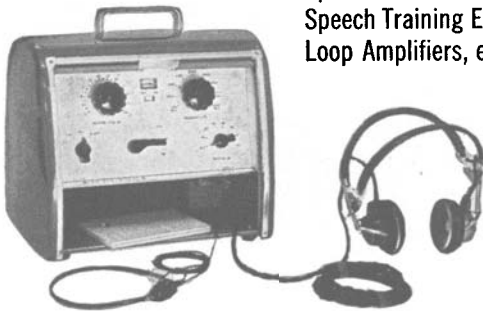


Clinical Audiometers

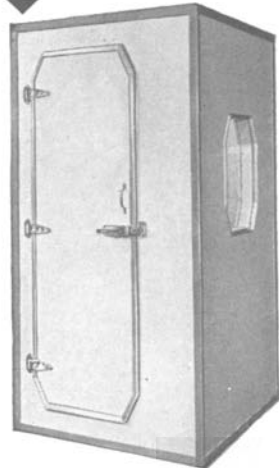
with narrow band masking for the highest accuracy and extended resolution.

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*

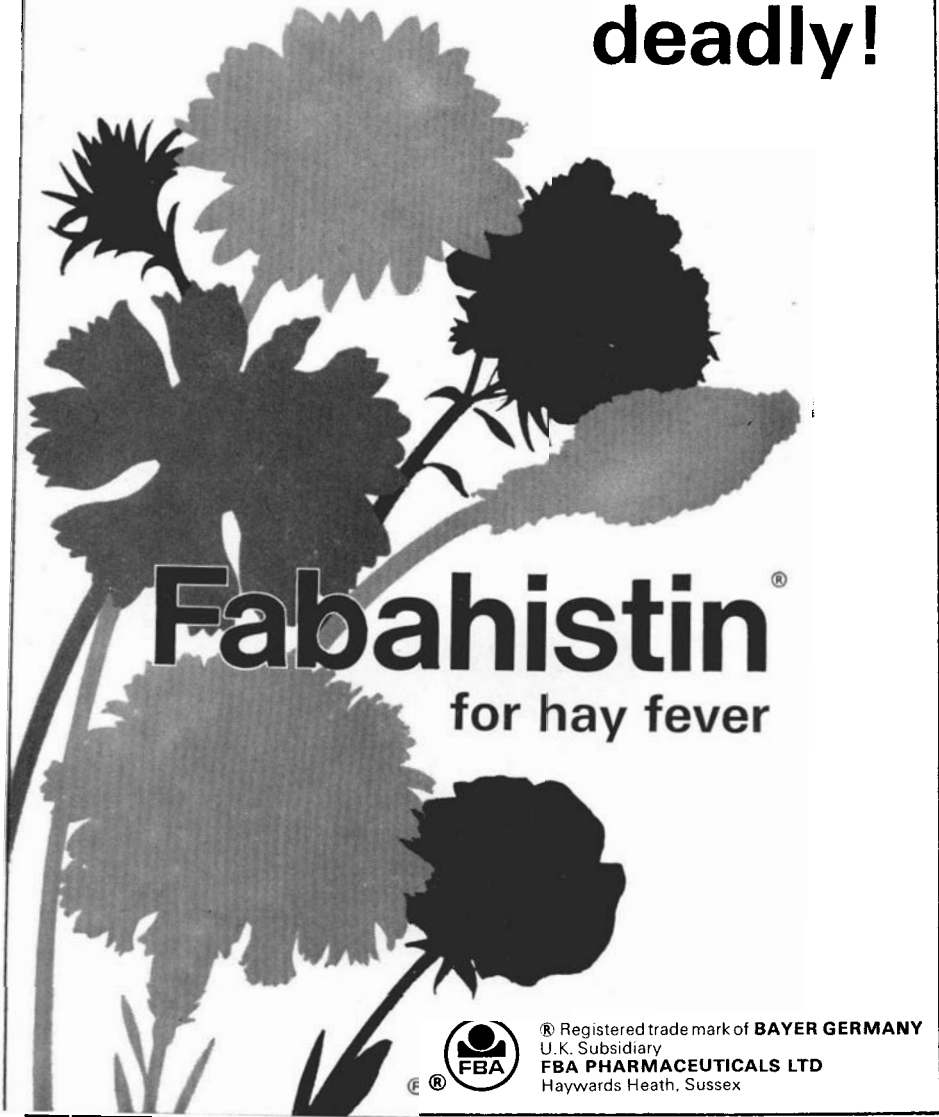
AMPLIVOX

HEARING ADVISORY SERVICE LTD.

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

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

when everything in the garden's —
deadly!



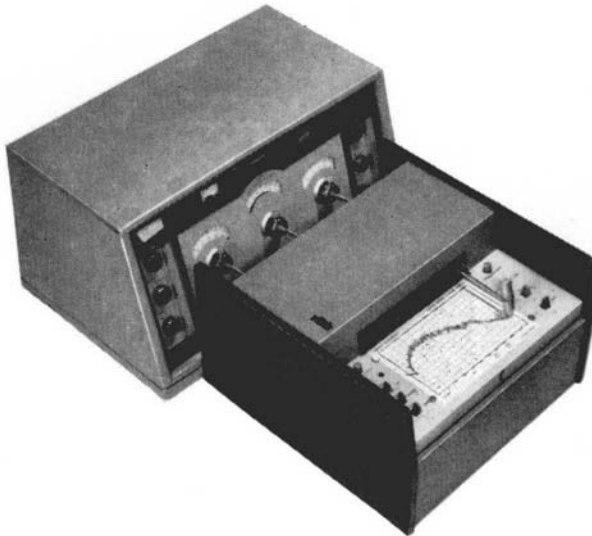
Fabahistin[®]
for hay fever



® Registered trade mark of **BAYER GERMANY**
U.K. Subsidiary
FBA PHARMACEUTICALS LTD
Haywards Heath, Sussex

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

BÉKÉSY ACCESSORY



For the very first time a fully automatic unit is being made available for a Clinic Audiometer, making the combined units into a true BÉKÉSY 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 Békésy 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 Békésy audiometry at will.

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

Please write for full details and demonstration to:

ALFRED PETERS & SONS LIMITED
51 GELL STREET, SHEFFIELD 3

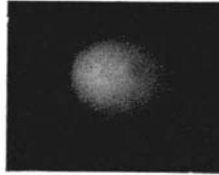
Please mention *The Journal of Laryngology and Otology* when replying to advertisements

Now ...
Rule Out
Mononucleosis
In 2 Minutes

INTERPRETATION OF READINGS



⊕ READING
AGGLUTINATION



⊖ READING
NO
AGGLUTINATION

with new **DENCO-IM Test**

rapid slide test for the detection of infectious mononucleosis

- rapid, simple procedure – results in 2 minutes
- 99% accuracy reported, with no instance of false negative¹
- employs standardized, specially treated erythrocytes – more specific for infectious mononucleosis than raw sheep-cell procedures
- specificity and accuracy so high that the need for differential tests may be eliminated¹
- negative results conclusive – virtually rule out mononucleosis
- all materials ready to use, stable for at least one year

"The test had further advantages aside from its great specificity. It did not require the inactivation of complement, nor did it require fresh sheep cells."¹

Supplied: DENCO-IM Test-40 Tests (including controls) Contents: 1 bottle DENCO-IM Reagent 2 ml., 1 bottle positive control 1 ml., 1 bottle negative control 1 ml., 1 panelled glass slide 1. Hoff, G., and Bauer, S.: A New Rapid Slide Test for Infectious Mononucleosis—(1965): J. Amer. Med. Ass., **194**, 351.

DENVER LABORATORIES LIMITED, 12 CARLISLE ROAD, LONDON, N.W.9

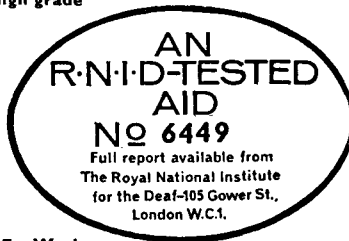
LINGO



AUDITORY TRAINING UNIT

PROFESSIONAL MODEL

- ★ Robust Construction—high grade components
- ★ Portable, Battery Operated
- ★ Modern transistor circuitry
- ★ Versatile with many facilities
- ★ Improved Performance
- ★ Treble and Bass Tone Controls
- ★ Loop Drive
- ★ Reasonably priced—£55 Ex. Works



For further details please write to:

G. C. JOHNSON,
LEYTON INSTRUMENT CO. LTD.,
54 ALBERT ROAD,
GAVERSHAM,
READING, BERKS.
 Telephone: READING 72295

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 \$18.00 per year Canada \$19.00 per year
 Foreign \$19.00 per year

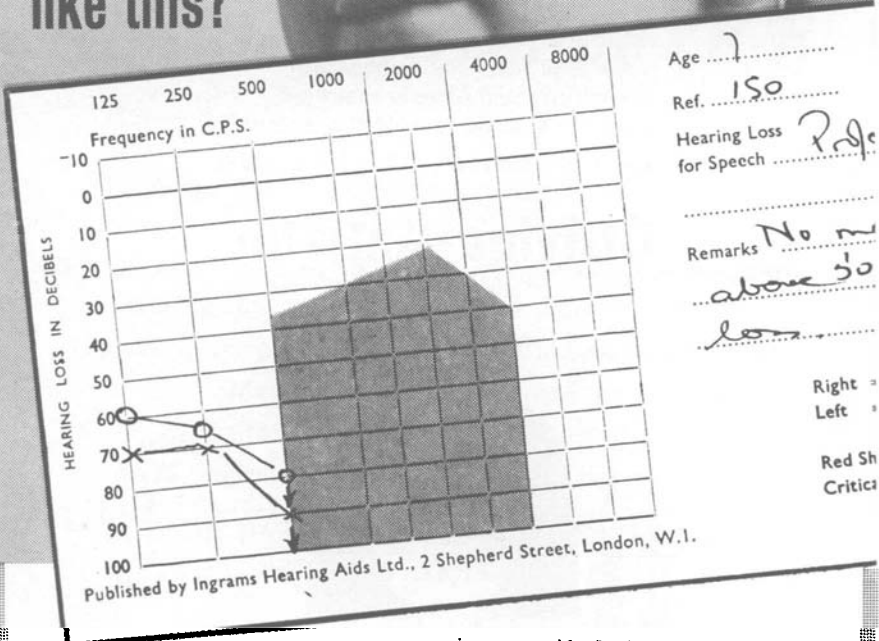
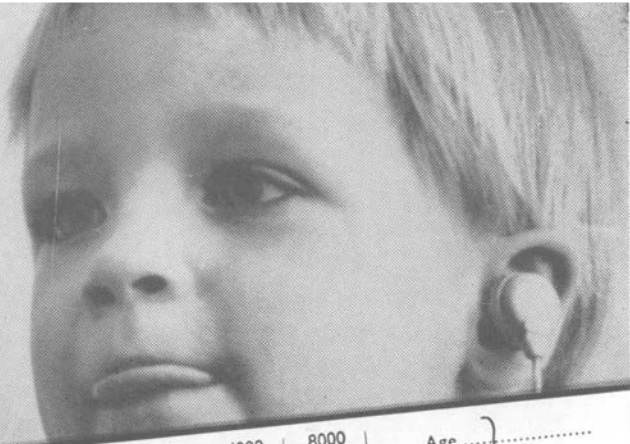
ESTABLISHED 1896

THEODORE E. WALSH, M.D.
 EDITOR

517 SOUTH EUCLID AVENUE
 SAINT LOUIS MO. 63110.

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

What do you do about a case like this?



Now, for the profoundly deaf child and the adult with a severe fragmentary loss—a completely new hearing aid. Available only from Ingrams, the new Zenith 'Vocalizer' enables hearing correction to be maintained down to frequencies previously beyond the scope of all but desk appliances. Because of its low frequency response (the 'Vocalizer' actually amplifies down to one hundred cycles), it can prove helpful for children and adults with some residual hearing for low frequencies but a total loss for the medium high frequencies. It incorporates new facili-

ties to provide for Loop Listening at the same time that the child can hear his own voice for speech training. Because the 'Vocalizer' is light yet robust, he can continue to use the same aid at home as he uses at school.

WRITE TO INGRAMS, sole agents for Zenith hearing aids throughout Britain, who will gladly provide full details of this and any other hearing aid from their comprehensive range of 26 different makes. Even if the case seems hopeless—Ingrams could have the answer. You can refer your patient to Ingrams with confidence.

Ingrams

**CLEARLY
 BETTER HEARING**

2 Shepherd Street, Shepherd Market, London W1. Telephone: HYD 9041

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

For the longest-
lasting, gentlest
relief of
HAY-FEVER

A combination of a long-acting yet gentle decongestant with a topically-effective antihistamine, to provide prompt and sustained relief in all seasonal and perennial nasal allergies. One application at bedtime will usually maintain clear nasal airways until the morning.

Nasal Spray or Drops: $\frac{1}{2}$ fl. oz. Basic NHS price 3s.8d.

Otrivine[®]-Antistin[®]

xylometazoline hydrochloride 0.05% antazoline sulphate 0.5%



C I B A

OA/I

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

***WHEN A HEARING AID
IS RECOMMENDED
ONLY AMPLIVOX
OFFERS THIS
HEARING AID SERVICE***

The design and manufacture of a complete range with individual fitting facilities.

Best of other makes in addition to Amplivox aids—Amplivox hearing aids are ONLY available from Amplivox.

Highest degree of training of any hearing aid organisation.

Master Hearing Aid evaluations.

Expert follow-up and rehabilitation advice.

15 branch offices with while-you-wait service.

FOR YOUR PATIENTS' GREATEST SATISFACTION
SPECIFY AMPLIVOX

AMPLIVOX

World's most experienced and complete hearing service

AMPLIVOX HEARING ADVISORY SERVICE
80 NEW BOND STREET
LONDON, W.1

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

The references speak volumes for **PENBRITIN**

Summary of Clinical Papers

Infections	Number of Papers	Indications	Infecting Organisms	Authors' Dosage Schemes		Number of Patients	Results Fully Reported		
				Dose Range	Duration (days)		Cured or Much Improved	Improved	Failure
Respiratory	17	Chronic Bronchitis (Routine Dosage).	Mainly H. influenzae and pneumococci.	250-500mg. q.i.d.	5-20	221	122	74	25
	3	Chronic Bronchitis (High Dosage).	Mainly H. influenzae and pneumococci.	1g. q.i.d.	7-21	44	29		15
	21	Pneumonia, Acute Bronchitis, Tonsillitis, etc.	Various Gram-positive and Gram-negative.	250mg.-1g. q.i.d.	up to 30	451	342	60	36
Urinary	12	Acute.	Various Gram-positive and Gram-negative.	1-3g. daily	3-42	202	156	13	31
	26	Chronic and Post-operative.	Various Gram-positive and Gram-negative.	1-6g. daily	5-84	453	220	82	137
Gastro-Intestinal	14	Typhoid (Acute).	S. typhi.	250mg.-2g. q.i.d.	3-36	81	40	23	12
	13	Typhoid (Carriers).	S. typhi.	250mg.-2g. q.i.d.	7-90	54	32	1	7
	6	Paratyphoid.	S. paratyphi B	500mg.-2g. q.i.d.	5-14	102	58	6	11
	3	Dysentery.	Shigella, Balantidium coli.	250mg.-1g. q.i.d.	5-16	38	37	1	
	22	Enteritis, Cholangitis & Cholecystitis, Colitis.	Mainly Salmonella and Shigella.	250mg.-2g. q.i.d.	4-28	257	193	21	34
Skin and Soft Tissue	9	Abscesses and Wound Infections.	Various Gram-positive and Gram-negative.	500mg.-1g. q.i.d.	4-15	25	13	7	5
	17	Bolls, Carbuncles, Whitlows, etc.	Gram-positive.	250mg.-1g. q.i.d.	up to 14	230	191	32	7
	5	Otitis Media.	Mainly Gram-positive.	250-500mg. q.i.d.	up to 8	18	16		2
Venereal Disease	7	Gonorrhoea.	N. gonorrhoea.	1g. (single dose) OR 1g. b.d. 1-1.5g. daily		684	487		52
	2	Other Bacterial Urethritis.	Not specified.	1-1.5g. daily	3-8	45	36		9
Miscellaneous	8	Meningitis.	Streptococci Meningococci H. influenzae and other Gram-negative.	Dosages used were dependent on age, organisms and route of administration.		75	58	12	5
	14	Osteomyelitis, Septicaemia and Bacterial Endocarditis.	Various Gram-positive and Gram-negative.	250mg.-1.5g. q.i.d. (various routes)	up to 56	37	22	5	10
						3,011	2,052	337	398

2,787

Over 400 publications from 29 countries endorse Penbritin (Ampicillin) as a broad-spectrum antibiotic. Its outstanding success rate in respiratory diseases, infections of the urinary and gastro-intestinal tracts, skin and soft tissues, venereal diseases and typhoid may be attributed to its high activity and bactericidal action.



Availability: capsules, paediatric tablets, syrup and vials for injection.

Usual Dosage: 250mg. to 500mg. q.i.d. In severe cases and in certain conditions the dosage should be increased.

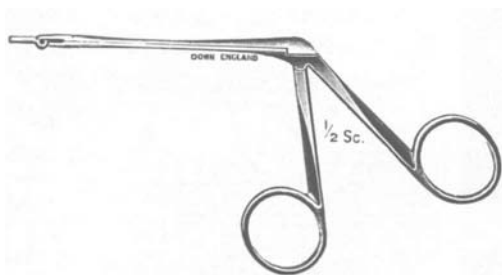
The black and red capsule contains 250mg. ampicillin B.P.



PENBRITIN (regd.) a product of British research
Beecham Research Laboratories



ENLARGED VIEW



**FULLER'S TEFLON
PISTON HOLDING**

and

INTRODUCING FORCEPS

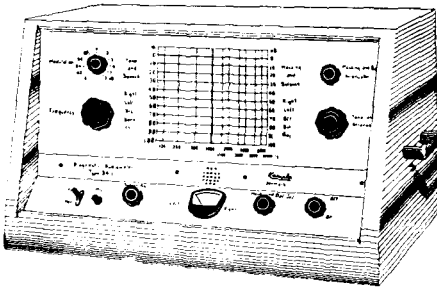
DOWN BROS. AND MAYER & PHELPS LTD
CHURCH PATH, MITCHAM, SURREY, ENGLAND

In Canada
410 Dundas Street West, Toronto, 2B, Canada

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

KAMPLEX AUDIOMETRIC EQUIPMENT

AUDIOMETERS



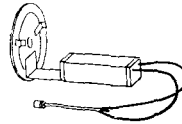
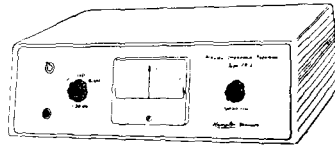
CLINIC AUDIOMETER DA1

- SCREENING PORTABLE TA16
- DIAGNOSTIC PORTABLE TA15
- CLINIC AUDIOMETER DA1
- DOUBLE CHANNEL DA2
- AUTOMATIC AUDIOMETER AB1

ACOUSTIC IMPEDANCE
APPARATUS ZA2

PNEUMOMETER ZP1

SKIN RESISTANCE
APPARATUS RA4



SOUND LEVEL METER GA6

VISIBLE SPEECH APPARATUS

AUDITORY TRAINERS

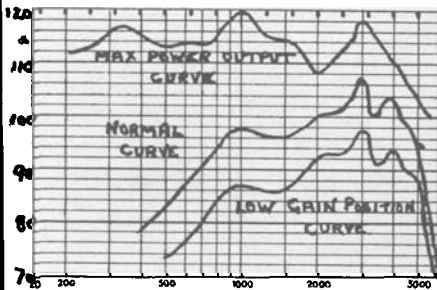
Write for full catalogue and detailed descriptions to:

ALFRED PETERS & SONS LTD
51 GELL STREET, SHEFFIELD 3

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

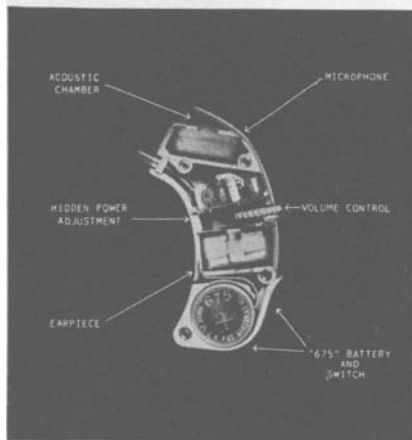
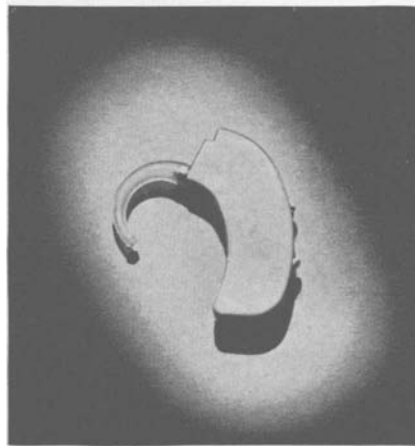
In cases of PERCEPTIVE DEAFNESS whenever a Hearing Aid is indicated let your patients test the MULTITONE PERCEPTOR

A New small Post-Aural Aid of British design and manufacture. The unique Multitone method of mounting the microphone at the top of the unit in an acoustic chamber facing *forward* produces direct **FRONTAL RECEPTION** of astonishingly wide frequency response.



Frequency Response 500 - 5000 cps. Maximum Amplification (at 3000 cps) 46 dB. Maximum power output (1000 cps) 120 dB.

Arrangements can be made for your patients to test the Perceptor without charge or obligation. For information please contact



**MULTITONE ELECTRIC CO LTD · 12-20 UNDERWOOD STREET
LONDON N1 · TELEPHONE: CLERKENWELL 8022**

'Otosporin' for ears and ears and ears..

'Otosporin' drops rapidly destroy virtually *all* organisms commonly found in infections of the ear, reduce irritation, inflammation and pain.

'Otosporin'^{brand} Drops

contain polymyxin B sulphate, neomycin sulphate and hydrocortisone. 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