

# The Journal of Laryngology and Otology

EDITED BY  
G. H. BATEMAN

ASSISTANT EDITOR  
LIONEL TAYLOR

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# The Journal of Laryngology and Otology

(FOUNDED in 1887 by MORELL MACKENZIE and NORRIS WOLFENDEN)

EDITED BY

G. H. BATEMAN

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LIONEL TAYLOR

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*Arslan. Proc. Fifth Int. Congress Oto-Rhino-Laryngol.*, Amsterdam, 1953.

*Proc. roy. Soc. Med.*, 1958, 51, 617.

*J. Laryng.*, 1960, LXXIV, 628.

*Ibid.*, 1960, LXXIV, 730.

*Ibid.*, 1961, LXXV, 345.

*Ibid.*, 1962, LXXVI, 299.

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