

# The Journal of Laryngology and Otology

EDITED BY  
G. H. BATEMAN

ASSISTANT EDITOR  
LIONEL TAYLOR

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EDITED BY

G. H. BATEMAN

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LIONEL TAYLOR

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

*Ibid.*, 1960, LXXIV, 730.

*Ibid.*, 1961, LXXV, 345.

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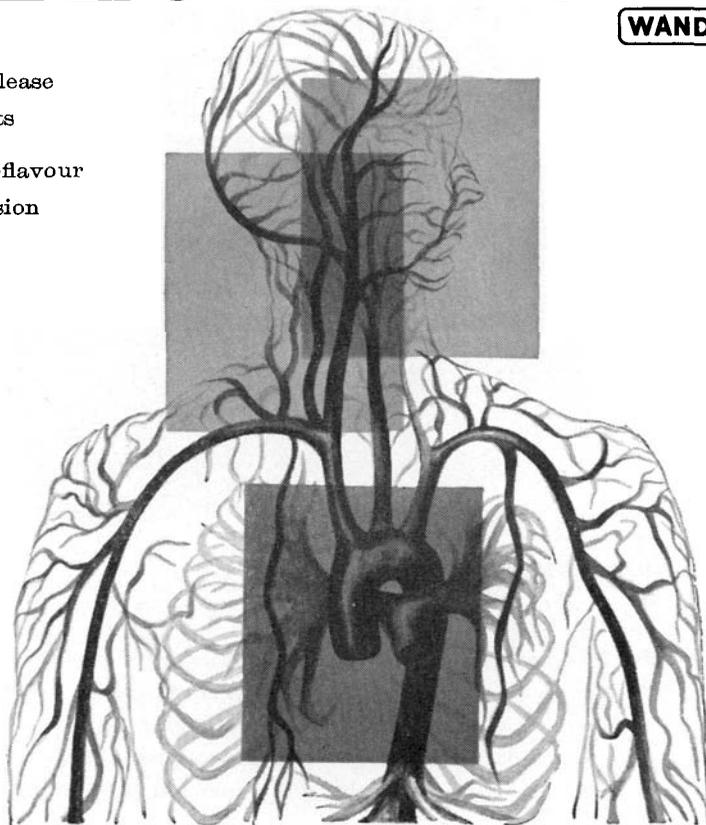
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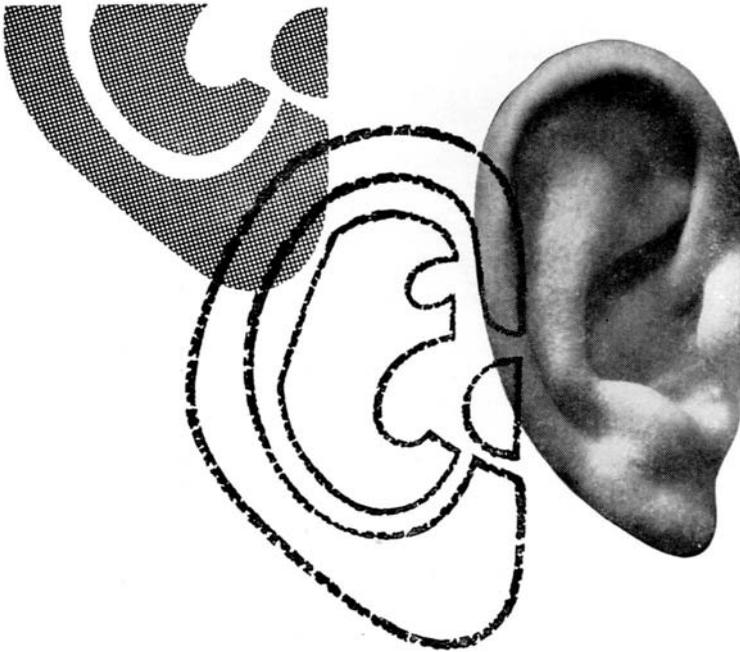
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