



OCTOBER 1974

THE
aeronautical
JOURNAL



THE ROYAL AERONAUTICAL SOCIETY

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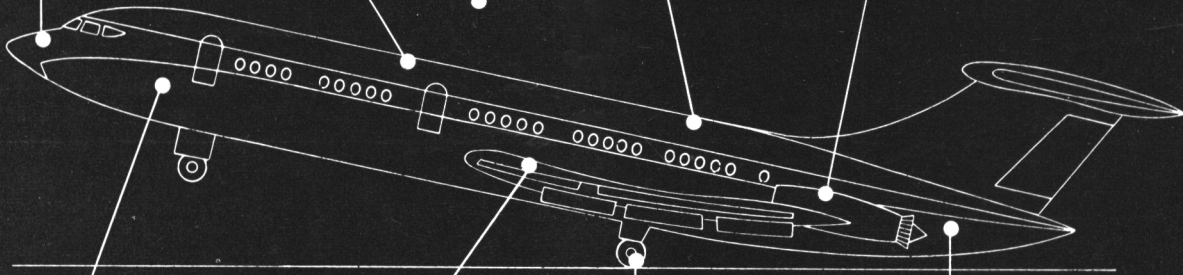
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Coming this year
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Coming this year
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Coming this year
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Coming soon —
Rolling friction

Coming this year
Roughness drag

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Cover picture:

The Airbus Industrie A.300 B4 shown can be regarded as one of the third generation of jet-engined airliners with significant performance increments, in terms of fuel requirements and maintainability, over its predecessors. Mr. Ian Chichester-Miles, in his paper in this issue, remarks that the improvement (in the order of 30%) is largely due to the advances in engine technology as exemplified by the introduction of high bypass ratio turbofans. Other areas in which improvements have been made include aerodynamic efficiency (mainly in terms of cruise lift/drag ratio) and in airframe and engine maintenance.

I. Chichester-Miles

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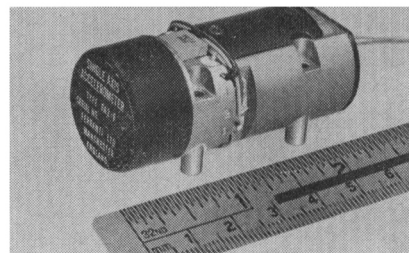
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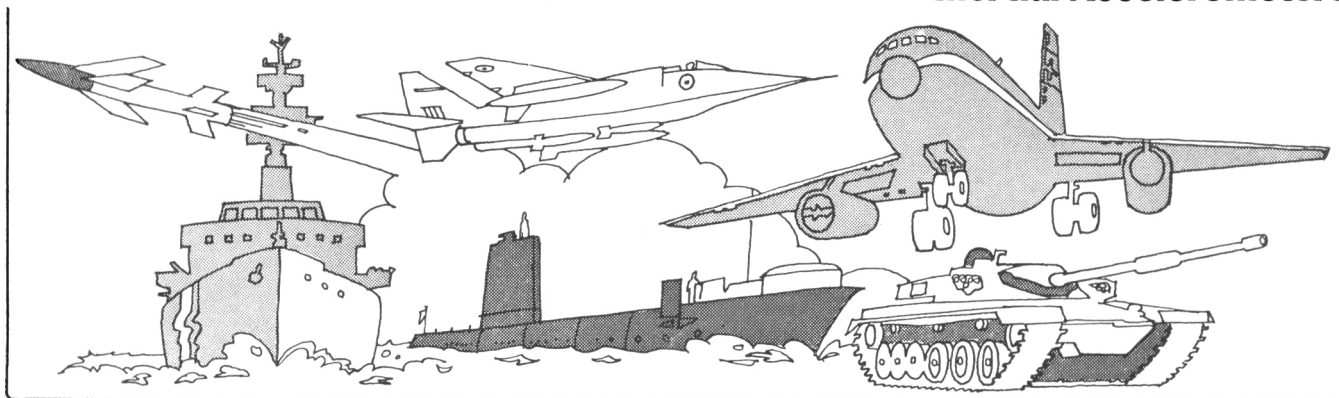
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