

The Journal of

**THE HELICOPTER
ASSOCIATION OF
GREAT BRITAIN**

CONTENTS include

Vibration Problems associated with the Helicopter
O L L Fitzwilliams

All Weather Operation of Helicopters

(Part I) Engineering Aspects by P A Hearne

(Part II) Piloting Aspects by J W Reid

LONDON
4, THE SANCTUARY,
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Vol 11 No 3 JUNE, 1957



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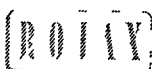
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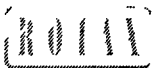
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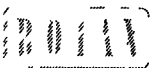
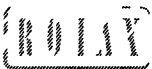
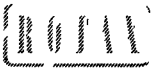
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Powered by two Gazelles

The twin rotor Bristol 192 is powered by two 1 300 s h p N Ga 2 free turbine GAZELLES mounted vertically and with an emergency rating (applicable to single engine operation) of 1 650 s h p. The GAZELLE can be installed in any position between vertical and horizontal.

Powered by two Elands

This Fairey Rotodyne convertible helicopter is powered by two 3 500 e h p ELAND propeller turbines each with an auxiliary compressor mounted co-axially at the rear which supplies compressed air to combustion chambers at the rotor tips for vertical flight.



Powered by two Elands

The 5-blade rotor of the new Westland Westminster helicopter will be powered by two 3 500 e h p ELANDS. Because of its higher power, low cost and ease of maintenance, the ELAND offers new standards of economy for both the airline operator and the air traveller.



Powered by one Gazelle

A single 1 450 s h p N Ga 13 GAZELLE powers the single rotor Westland Wessex in production for the Royal Navy. This rugged engine is designed to work for long periods between overhauls and to withstand the heavy demands of Service operation.



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The opinions expressed in papers read before the Association and in the discussions also recorded in this Journal are not necessarily those of the Executive Council or of the Association as a whole

CONTENTS

	<i>Page</i>
VIBRATION PROBLEMS ASSOCIATED WITH THE HELICOPTER	
By O L L FITZWILLIAMS	110
DISCUSSION	144
ALL WEATHER OPERATION OF HELICOPTERS	
Part I Engineering Aspects	
By P A HEARNE	156
Part II Piloting Aspects	
By J W REID	170
DISCUSSION	177
NOTICES	188

OBJECTS OF THE ASSOCIATION

The objects of the Association are to collect compile and disseminate information of a technical and semi technical nature pertaining to Helicopters and all other types of Rotating Wing Aircraft. The Association aims to work in close co operation with existing Aeronautical Bodies on matters affecting its objects and it may act as an Advisory Body in the promotion of legislation calculated to be of benefit to the development of Rotating Wing Aircraft.

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