

The Journal of

THE HELICOPTER
ASSOCIATION OF
GREAT BRITAIN

CONTENTS include

Ground Resonance of the Helicopter
By R M Howarth and C H Jones

The Helicopter Association Brains Trust

Helicopter Research By F O Hara

Naval Helicopter Squadron Honoured in
Malaya

LONDON

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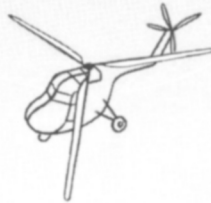
Vol. 7. No. 4. APRIL 1954



Helicopter

MAIN & TAIL

Rotor Blades



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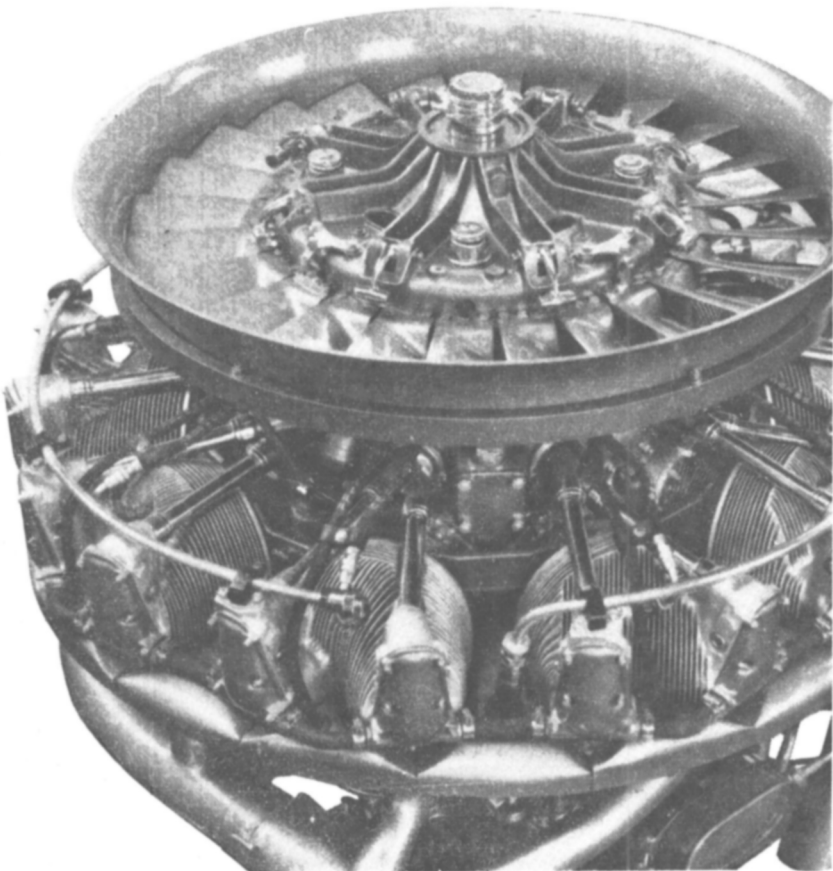
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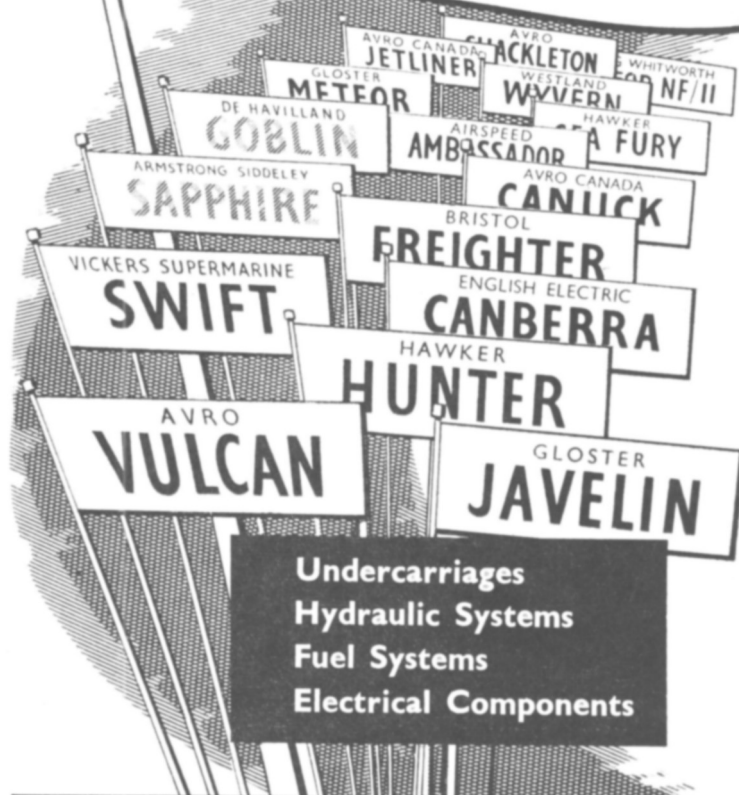
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The Alvis Leonides Helicopter Engine, a 520 b.h.p. 9-cylinder air-cooled radial engine. Weight complete 645 lb. Power/weight ratio 1.24 lb. (0.562 kg.) per b.h.p. Overall diameter 41.5 in. (105 cm.). In quantity production for the Bristol 171 and 173, also in extensive use by the Royal Navy in the Westland Dragonfly.

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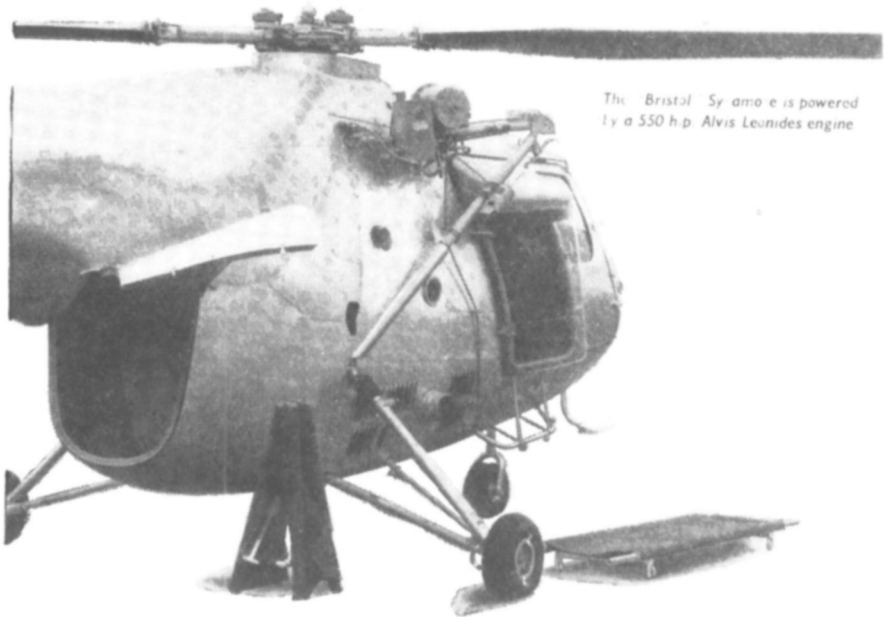
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OBJECTS OF THE ASSOCIATION

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

SYCAMORE

The Mark 4 Sycamore is a unique helicopter in that it has inbuilt provision for several operational roles (1) a powered winch is fitted for rescue work (2) two stretcher patients can be accommodated within the cabin and tended in flight by a medical orderly (3) with the stretchers folded and stowed in the 20 cu ft baggage compartment the cabin will seat five people (4) a ventral sling permits the lifting of awkward loads over short distances (5) spraying equipment can be fitted for crop treatment



The Bristol Sycamore is powered by a 550 h.p. Alvis Leonides engine

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