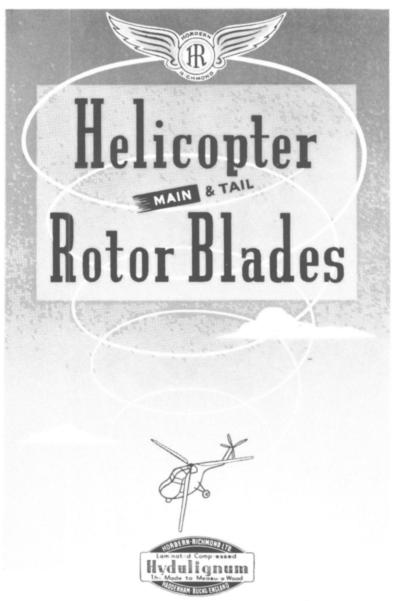
The Journal of

THE HELICOPTER ASSOCIATION OF GREAT BRITAIN

LONDON
LONDONDERRY HOUSE,
19 PARK LANE, LONDON, W 1
Vol 4 No 4 JAN -FEB -MARCH, 1951



HORDERN-RICHMOND

LIMITED

HYDULIGNUM WORKS HADDENHAM, BUCKS, ENGLAND TELEPHONE AYLESBURY 1100, 1102 TELEGRAMS WINSTIX HADDENHAM, BUCKS



The Westland-Sikorsky S.51 Helicopter fitted with the Alvis Leonides engine



LEONIDES

ALVIS LIMITED, COVENTRY, ENGLAND

898A



On February 19th, 1910, The Bristol Aeroplane
Company Limited was founded The Box Kite—first
production aircraft—began a record of nearly 200
Bristol types Fighter, Bulldog, Blenheim, Beaufort,
Beaufighter and Brigand are a few aircraft names which,
with Jupiter, Pegasus, Hercules and Centaurus engines,
have made Bristol a name world renowned in
aviation The Bristol Aeroplane Company Limited
points with pride to a forty year record of steady
progress achieved largely by the encouragement of
individual thought and enterprise among its workers

THE Bustol AEROPLANE COMPANY LIMITED ENGLAND

The Journal of

THE HELICOPTER ASSOCIATION

OF GREAT BRITAIN

Editorial Offices Londonderry House 19 Park Lane, London W 1 Tel Grosvenor 1771

VOL. 4 No. 4 January-February-March 1951 PRICE 10/6 President J G Weir CMG CBE FR Ae S CONTENTS THE COUNCIL Chairman N J G Hill A M I Mech E A R Ae S PageVice Chairman R N Liptrot CBE BA SOME PRESENT AND FUTURE J A J Bennett DSc MA
Ph D DIC F R Ae S
F F Crocombe BSc DIC
A C G I F R Ae S
O L L Fitzwilliams B A
H Grinsted C BE B Sc
F C G I F R Ae S ASPECTS OF HELICOPTER PILOTING 137 By CAPTAIN J S FAY R Hafner R Hafner
A McClements A R T C
A M I Mech E
H Roberts Ph D B Sc D I C
A F R Ae S A M I Mech E
N E Rowe C B E F R Ae S
D I C B Sc A C G I
J S Shapiro Dipl Ing
A F R Ae S
W Stewart B Sc FIRST HALF OF A SYMPOSIUM ON VIBRATIONS IN HELICOPTERS W Stewart B Sc G C Turner A F C L S Wigdortchik A F R Ae S SOME OPERATIONAL ASPECTS OF HELI-COPTER VIBRATION Hon Secretary Major J W Richardson By A McClements, ARTC, MIMECHE 183 Hon Treasurer G C Turner AFC Hon Editor
H Roberts Ph D B Sc D I C
A F R Ae S A M I Mech E A Brief Survey of Characteristic Hon Assist Editor VIBRATION SOURCES IN HELICOPTERS C C Cooper Assist Secretary Miss Sheila MacPhee By J SHAPIRO, AFRACS 192 Messrs W B Keen & Co Offices DISCUSSION 196 Londonderry House
19 Park Lane London W 1
Tel Grosvenor 1771 Publications Advertisement Manager Tel S H Pilton Croydon 5970

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

