

The Journal of

THE HELICOPTER
ASSOCIATION OF
GREAT BRITAIN

LONDON:
FINSBURY CIRCUS HOUSE,
BLOMFIELD STREET, E.C.2
Vol. I. No. I.

ACCLES & POLLOCK

*Makers and Manipulators of
AIRCRAFT TUBES
in carbon alloy and stainless steels*

ALVIS LIMITED



HOLYHEAD ROAD, COVENTRY
Telephone : Coventry 5501

W. T. BOOTH LTD.

EXPERIMENTAL
WOODWORK

10. HIGH ST., HAMPTON WICK
KINGSTON-ON-THAMES
KINGston 5671-2

BRITISH AVIATION INSURANCE CO., LTD.

3/4, LIME STREET, LONDON, E.C.3



**BRITISH AVIATION SERVICES
LIMITED**
ONE GREAT CUMBERLAND PLACE, W.1

BRITISH EUROPEAN AIRWAYS

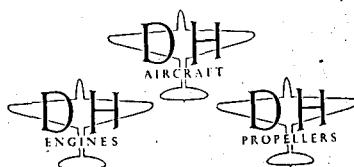


THE KEY TO EUROPE

Pioneers of Rotating Wing Aircraft



SOUTHAMPTON ENGLAND



DE-HAVILLAND

**SPECIFY
DUNLOP**
Tyres • Wheels • Brakes

FOLLAND AIRCRAFT LTD.



HAMBLE, SOUTHAMPTON

SPACE RESERVED FOR

**THE FAIREY
AVIATION CO., LTD.**

The Journal of
**THE HELICOPTER ASSOCIATION
OF GREAT BRITAIN**

THE COUNCIL: H. A. Marsh, A.F.C., A.F.R.Ae.S. (*Chairman*); J. A. J. Bennett, D.Sc., F.R.Ae.S.; C. G. Pullin, F.R.Ae.S., M.I.Mech.E.; F. F. Crocombe, B.Sc., F.R.Ae.S.; R. A. C. Brie, A.F.R.Ae.S., A.F.I.Ae.S.; H. M. Yeatman, M.A.(Cantab.), A.F.R.Ae.S.; A. Carpmael, A.I.A.E.; N. J. G. Hill, A.M.I.A.E., A.R.Ae.S.; S/Ldr. F. J. Cable, R.A.F.; G. C. Turner, A.F.C.; F/Lt. J. E. Harper, A.F.C., R.A.F.; R. Hafner; R. N. Liptrot, G.B.E., B.A.(Cantab.); O. L. L. Fitzwilliams, B.A.(Eng.) Cantab.; B. H. Arkell, A.R.Ae.S. *Hon. Sec.*: M. J. B. Stoker; *Hon. Treas.*: G. C. Turner; *Auditors*: Messrs. W. B. Keen & Co., Finsbury Circus House, Blomfield Street, London, E.C.2.

ISSUED QUARTERLY. July—Aug.—Sept., 1947. PRICE: 6/-.

CONTENTS

	<i>Page</i>
PREVIOUS LECTURERS	2
EDITORIAL	
(From THE CHAIRMAN.)	3
CALENDAR—WINTER SESSION 1947/8	4
SOME PROBLEMS OF HELICOPTER OPERATION AND THEIR INFLUENCE ON DESIGN	
By Wing Cdr. REGINALD BRIE, A.F.R.Ae.S.	5
(Preceded by Introduction by THE CHAIRMAN.)	
LIMITATIONS IN HELICOPTER DESIGN	
By J. A. J. BENNETT, D.Sc., F.R.Ae.S.	24
(Preceded by Introduction by THE CHAIRMAN.)	
ANNUAL GENERAL MEETING	
Report and Chairman's Speech	44
The First Dinner	47
ANNOUNCEMENTS	
Membership	iii
Editorial and Publishing	48

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.