

Journal

of

THE ROYAL AERONAUTICAL SOCIETY

AUGUST 1961

CONTENTS

NOTICES

UPPER ATMOSPHERE RESEARCH—A SYMPOSIUM

Introduction SIR HARRIE MASSEY
Skylark J. F. HAZELL
The Scientific Programme of Skylark R. L. F. BOYD

Meteorological Measurements in the

Upper Atmosphere G. D. ROBINSON
Range Instrumentation Problems H. J. HIGGS

Future Possibilities E. C. CORNFORD
Summary of Discussion BERYL E. BEADLE

THE CERTIFICATION OF CIVIL TRANSPORT
ROTORCRAFT WITH PARTICULAR REFERENCE
TO MULTI-ENGINES
H. E. LE SUEUR

THE ROYAL AERONAUTICAL SOCIETY:
THE FIRST FIFTY YEARS—1874

J. LAURENCE PRITCHARD

TECHNICAL NOTES

The Production of Peaked Velocity Profiles—P. G. MORGAN and A. SAUNDERS. Correction to M. VASUDEVAN and W. JOHNSON (July).

THE BRANCHES

GRADUATES' AND STUDENTS' SECTION

THE LIBRARY REVIEWS REPORTS

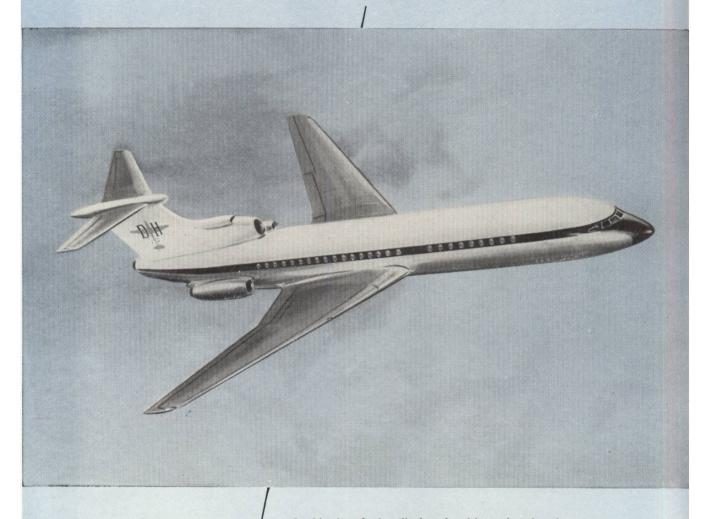
TWELVE SHILLINGS AND SIXPENCE MONTHLY

4 HAMILTON PLACE LONDON WI

HOBSON CONSTANT SPEED ALTERNATOR DRIVES

are now specified for the

D.H. TRIDENT JET AIRLINER



As Specialists in precision engineering, we invite your enquiries concerning projects to which our comprehensive engineering facilities can usefully be applied

In this aircraft, described as the ultimate in subsonic speed combined with the best possible operating economy, the entire electrical generating capacity is dependent upon its constant speed drives, so that reliability and a long life between overhauls are of vital importance. Designed specifically for civil aircraft duties, HOBSON Constant Speed Alternator Drives achieve these essential qualities by their novel construction permitting the use of a transmission oil pressure of only 500 p.s.i. In addition, a unique pump off-loading system reduces the pump transmission pressure to 50 p.s.i. when the aircraft is cruising. The ingenuity and reliability inherent in this design also characterise the following additional HOBSON equipment now specified for the same aircraft:— FUEL BOOSTER PUMPS FUEL FLOW PROPORTIONERS · TRAILING EDGE FLAP OPERATING SYSTEMS · LEADING EDGE DROOP OPERATING SYSTEMS

 $H \cdot M$

Hobson

LIMITED · FORDHOUSES · WOLVERHAMPTON