

The Aeronautical Journal RAeS February 1972

BAZZOCCHI, DR. E.

**Technical aspects of the Schneider Trophy and the world speed record for seaplanes**

*The Schneider Trophy and the competition for the world speed record for seaplanes made an exceptional contribution to the development of aircraft technology in the period 1914–1934. The paper analyses the results and studies the aircraft that took part in the competitions, together with those that, for various reasons, did not take part but contributed to the general development.*

*Float shapes are compared, the engine cooling and fuel systems are examined and experiments with special fuels discussed.*

The Aeronautical Journal RAeS February 1972

MATHEWS, CHARLES W.

**Orbiting Space Stations**

*The paper describes the concept of a research and applications facility permanently operating in earth orbit. A brief outline of the Skylab missions is given. The station is planned to be continuously manned and is designed to provide an effective place to work and a pleasant place to live. The kinds of investigation presently envisioned are discussed and include activities in the physical and life sciences, applications, technology and operations. In addition, the specialised capabilities within the space station are described.*

The Aeronautical Journal RAeS February 1972

GREENE, K. R.

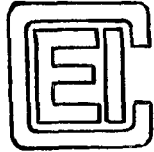
**Hybrid computation in aeronautical engineering**

*This paper contains a discussion of the use of hybrid computation for helicopter simulations. Particular attention is paid to the nature of the integration processes involved and a new hybrid approach to integration is explained. This technique extends the useful range of application of hybrid computation in aeronautical and other engineering disciplines.*

The Aeronautical Journal RAeS February 1972

**Agricultural Aviation Symposium—Day-to-day problems**

*Four papers given at a symposium on Agricultural Aviation—Day-to-day Problems. "The Design of Agricultural Aviation Aircraft" by D. Lockspeiser; two papers on "The Farmers' Point of View" by F. P. H. Huntington and J. R. Walgate; "Ground Organisation of Aerial Crop Spraying" by P. Perrow.*



# 1971 Survey of Professional Engineers

## DO YOU KNOW ALL THE ANSWERS?

- ★ What's happening to engineers' salaries?
- ★ How do engineers assess fringe benefits?
- ★ Has unemployment hit the profession?
- ★ Where do engineers work?
- ★ Are engineers moving into management?
- ★ Graduate or non-graduate—does it matter?
- ★ How many take further profession-training courses?

The CEI Survey of Professional Engineers has the up-to-date answers plus a lot more information you can't afford to miss

make sure there's a copy on your desk

## ORDER NOW

Publication date: 20th December Price: £2.50

Copies from:

The Council of Engineering Institutions,  
2 Little Smith Street, London SW1P 3DL

or

Royal Aeronautical Society,  
4 Hamilton Place, London W1V 0BQ

# CARPETS

for aircraft, passenger reception, airline offices, flying clubs, etc.

All leading makes of Branded Carpets  
**WILTONS • AXMINSTERS • TUFTED • ORIENTALS**  
at Highly Competitive contract prices

Expert fitting service and free delivery throughout UK

Over £200,000 stocks in our London showrooms

Private individuals in the aircraft industry may purchase from us at up to 30% DISCOUNT

**DODSON BULL CARPET CO. LTD.**

Please write to Dept. R.A.S. LONDON: 5 & 6, Old Bailey, EC4 7JD. Tel: 01-248 7971. BIRMINGHAM: 164, Edmund St., B3 2HB. Tel: (021) 236 5862. BOURNEMOUTH: 268, Old Christchurch Rd., BH1 1PH. Tel: 21248. BRISTOL: 2-3, Royal London House, Queen Charlotte St., BS1 4EX. Tel: 28857. LEEDS: 12, Great George St., LS1 3DW. Tel: 41451. MANCHESTER: 55-61, Lever St., M1 1DE. Tel: (061) 236 3687/8/9. NEWCASTLE-upon-TYNE: 90-92, Pilgrim St., NE1 6SG. Tel: 21428/20321. WESTCLIFF-on-SEA: 495, London Rd., SS0 9LG. Tel: Southend 46569. BRIGHTON: 2-5, North Rd., BN1 1YA. Tel: Brighton 66402.  
Open: 9.00-5.30 Mon-Fri. Sat. 9.00-12.00 (Manchester 9.00-4.00)

**FOR SALE:** one Pye fixed station type PTC 2702 MRP 5 watts two Pye mobile stations type PTC 2107 MRP 5 watts purchased 1960. Modified for use on VHF aeronautical band. Complete with aerial and in full working order. Write or phone Mr. G. H. Cooper, The Nuclear Power Group Ltd, Radbrooke Hall, Knutsford, Cheshire. Tel: Knutsford 3800.

Advertisements for inclusion in this section are charged at ordinary displayed advertisement rates. (Page £110,  $\frac{1}{2}$  page £70,  $\frac{1}{4}$  page £50. Odd sizes are charged at £8 psci (min 3 in) part of inch counting as full inch.)

Where size is not specified on order, the advertisement will be set to nearest appropriate standard size. Where type sizes and styles are not specified on copy, copy will be laid out and set in accordance with the usual House setting styles.

Orders and copy should be sent to the **Advertisement Offices**, The Aeronautical Journal of the Royal Aeronautical Society, 184 Fleet Street, London EC4, by the 18th of the preceding month.

**Remittances**—Cheques and postal orders should be made payable to the Aeronautical Journal of the Royal Aeronautical Society, 184 Fleet Street, London EC4.

The Society reserves the right to decline any copy or advertisement at its discretion and accepts no responsibility for delay in publication or for clerical or printer's errors, although every care is taken to avoid mistakes.



## The battlefield workhorse of the seventies

**THE WESTLAND LYNX** designed from the outset with all the qualities required of a general purpose army support helicopter . . . reliability, robustness, simpler and cheaper maintenance, high performance and high manoeuvrability and control response.

The new, advanced design rotor system, gives the Lynx a high degree of evasive manoeuvrability at low level, in all weathers, over difficult terrain.

Produced jointly by Westland and Aérospatiale for the Armed Forces of Britain and France, the Lynx has high speed capability which makes it particularly suitable for the following roles.

- **Troop transport**  
Gives high speed mobility
- **Air to ground strike**  
A wide variety of anti-tank missiles can be carried
- **Logistic support**  
External freight hook gives logistic load support capability
- **Reconnaissance**  
Fitted with all weather navigation system and surveillance aids
- **Airborne command post**  
Capacity for extensive communications equipment
- **Casualty evacuation**  
Roomy cabin allows easy stretcher installation



**Westland Helicopters**

Yeovil, England

**Aérospatiale**

2a20, Av. Marcel Cachin,  
93 la Courneuve, France



*Partners in European Co-operation*