

TRAINING SIMULATORS — A USER'S FORUM

Wednesday 20th April 1983

The Flight Simulation Group of the Society is to hold a one-day symposium on Training Simulators. It is to be a user's forum on the current state-of-the-art in flight simulation. Topics will cover recent military experience from Britain, America and Germany. New British and American licensing requirements will be reviewed. Short papers are planned to allow the maximum time for questions and discussion from delegates.

PROGRAMME

Registration from 0900 hours onwards. Commencement 0930 hours.

SESSION 1 — Chairman, Capt W. A. Wooden, CAA.

0930 Introduction.

0935 Simulation today — an industry-wide review; David Velupillai, *Flight International*.

0945 Future CAA approval of flight simulators for use in civil aviation in the UK, CAP453; Capt A. A. Clark, CAA.

1005 Experience in meeting FAA Phase 3 requirements; G. V. McCulloch, United Air Lines.

1025 Discussion.

1050 *Coffee*

1120 Towards an industry standard for ground station data in simulation; W. R. Parker, BA.

1140 Visual systems — a buyer's view; K. J. Staples, RAE.

1200 Discussion.

1230 *Refreshments* in the Society's Library.

SESSION 2 — Chairman, M. E. J. Hickmott. The Singer (UK) Co Ltd.

1400 To war in a box — the Sea Harrier simulator; Lt Cdr E. J. Beardsmore, RN.

1420 A new look at the role of simulators in the US Air Force training system — an emerging position; Col C. D. Eliason, Human Resources Laboratory, USAF.

1440 Performance measurement requirements in the design of an instructional support system for operational training simulators; Dr W. L. Waag, Human Resources Laboratory, USAF.

1500 Discussion.

1530 *Tea*

1600 The Tornado simulator in service — a German Air Force view; Lt Col Renner, German Air Force.

1620 The Tornado simulator in service — an RAF view; Wg Cdr Kerr, RAF.

1640 Discussion.

1730 Close.

REGISTRATION FORM

The Lectures Secretary
The Royal Aeronautical Society
4 Hamilton Place
London W1V 0BQ
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TRAINING SIMULATORS — A USER'S FORUM
Wednesday, 20th April 1983
VAT No 238 5678 23

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Non-members are invited to discuss membership of the Society with its attendant lower registration fees.

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THE RESPECTIVE APPROACHES TO SAFETY IN THE DESIGN AND OPERATION OF SHIPS AND AEROPLANES

Friday 22nd April 1983

Merchant shipping and civil aviation have a clear common drive to generate profit for constructors and operators from the business of transporting passengers and goods expeditiously and safely. The aim of this joint one-day symposium, organised by The Royal Institution of Naval Architects and The Royal Aeronautical Society, is to present the respective approaches and draw out for discussion the comparisons and contrasts. The hope is to promote mutual understanding and fruitful cross-fertilisation. The symposium will be held at The Royal Aeronautical Society, 4 Hamilton Place, London W1V 0BQ.

PROGRAMME

Registration 0900 hours onwards. Commencement 0930 hours.

0930 Introductory remarks, H. H. Pearcey, Chairman, Joint Aero-Marine Group.

SESSION 1 — Chairman, Dr J. Cowley, Surveyor General, Department of Trade.

0935 Background to the task, the framework and achievements.

Maritime: Dr R. Goodman, Head of Hull Structures, Lloyds' Register of Shipping.

Aviation: J. Chaplin, Director-General, Airworthiness, CAA.

Comparisons and Contrasts: Dr K. G. Wilkinson, Aviation Consultant, formerly Deputy Chairman of British Airways.

Questions.

1100 *Coffee*

SESSION 2 — Chairman, B. Hildrew, Managing Director, Lloyds' Register of Shipping.

1115 Design and construction for safety.

Aeroplanes: Dr W. J. Strang, Deputy Technical Director, BAe.

Ships: M. Meek, Head of Ship Technology, British Shipbuilders.

Comparisons and Contrasts: Prof J. B. Caldwell, University of Newcastle-upon-Tyne.

Discussion.

1315 *Lunch*

SESSION 3 — Chairman, Sir Adam Thomson, Chairman, BCal.

1415 Safety in operations.

Ships: R. Maybourn, Director and General Manager, B.P. Shipping Co Ltd.

Aeroplanes: Capt H. Hopkins, Flight Operations Consultant.

Comparisons and Contrasts: Prof J. A. H. Paffett, University of Wales, Institute of Science and Technology.

Discussion.

1615 *Tea*

SESSION 4

1630 Panel discussion:

1. Some general questions addressed, e.g. have we got the right balance between the regulatory constraints and commercial competitiveness?
2. What is the flow of knowledge, experience, ideas between military and civil? What is the role of R&D?
3. Thoughts for follow-up action.

1730 Close.

REGISTRATION FORM

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4 Hamilton Place
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THE RESPECTIVE APPROACHES TO SAFETY IN THE DESIGN AND
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Friday, 22nd April 1983
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KREMER WORLD SPEED COMPETITION SYMPOSIUM

Wednesday 4th May 1983

The Man Powered Aircraft Group of the Society is to hold a one-day symposium on the forthcoming Kremer World Speed Competition. Topics will cover the rules and regulations for the competition, means of solving the problem of storing energy, and the characteristics of aircraft types which may be developed to compete. Each paper is planned to be of 20 minutes duration and a further 10 minutes will be allowed for discussion. The symposium will be followed at 1800 hours by the Man Powered Aircraft Group AGM.

PROGRAMME

Registration from 1100 hours onwards. Commencement 1130 hours.

Chairman, Maurice Brennan, FRAeS.

1130 Opening statement; Maurice Brennan, FRAeS.
Competition rules and regulations; Martyn Pressnell, MRAeS.

1230 *Lunch*

1400 The Kremer World Speed Competition — "The Challenge"; Rear Admiral Nick Goodhart, FRAeS.
Stored energy solutions; Dr Keith Sherwin, MRAeS.
Aircraft characteristics; Professor Geoff Lilley, FRAeS.
Man powered aircraft, past, present and future; Ron Moulton, Associate.
Summary of symposium; Charles Joy, FRAeS.

1730 *Tea*

1800 AGM

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