

The chart shows part of the electromagnetic spectrum and indicates the positions of the commonest radar bands.

SIMULATORS WIN FIRST ORDER



Pilot control position for the new generation of simulators.

MARCONI DATA SYSTEMS has signed the first contract for the supply of its new generation radar simulator. The customer is the Finnish Air Force.

The Division's simulators have three main roles: the training of civil and military air traffic controllers, intercept controller training, and the evaluation of new procedures. They utilize purpose-designed peripherals and programs to generate dynamic, realistic signals corresponding to one or more radars. The computer is from the GEC 4100 range.

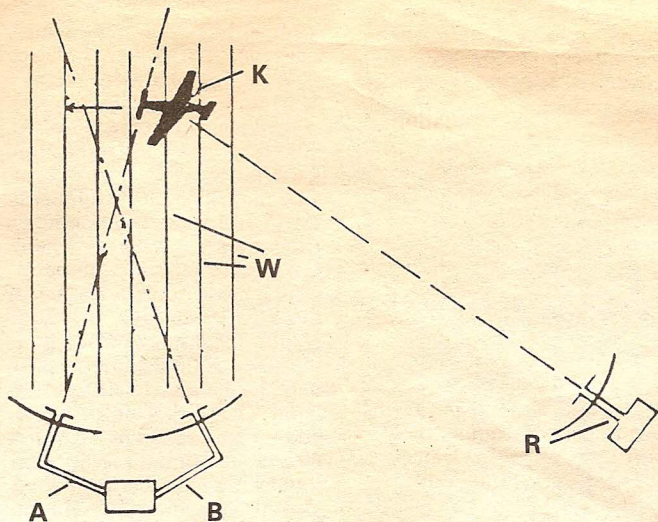
The simulated radar signals are presented to the trainees in the normal way, on p.p.i. displays as 'blips' and/or symbols. The trainees' communications channels connect not with live aircraft pilots but to simulator 'pilots', each of which can control up to four simulated aircraft. The simulator

'pilots' operate VDUs in response to the trainee controller's commands to manoeuvre the aircraft in a desired way. The VDU also provides the 'pilot' with the display of the current flight parameters so that required information can be passed back to the controller.

Make your point . . . write to the Editor, News and Views, Marconi Radar, Public Relations, Portakabin DA, Writtle Road, Chelmsford.

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transmissions from metal objects like gas-holders or aircraft. After the regular TV service started in 1936, 'ghost images' were reported in the *Wireless World* of 15.9.38 and 19.1.39.

The latter article even gave a formula so that the range of the aircraft could be calculated if two viewers made simultaneous observations.

P.B. Helsdon

Refresher

The system's programs allow the user to specify all the geographical, meteorological, aircraft and radar performance parameters that would, in the real situation, have an effect on the information presented to the trainee controller. Exercises can be generated to suit all needs from initial training to advanced refresher courses. Exercises can also be recorded for later replay and analysis.

Although the Finnish contract is the first for the new generation of equipments, similar systems supplied by the company are in service with the Royal Air Force, to whom we are the sole supplier, and other air forces around the world. Enthusiastic demonstrations by the RAF of their Marconi simulators were a major influence on the Finnish Air Force's decision.

professions. Therefore the most effective way of expanding the pool of engineering ability is to increase the participation of women.

1984 was designated WISE year (Women Into Science and Engineering). Last October, as our contribution to the year, Marconi Radar Systems, GEC Research Laboratories and Marconi Communication Systems ran a three day "Introduction to Engineering" course for lower sixth form girls called 'WISE UP'.

The enthusiasm and potential that the 40 girls on the course showed (25 of whom are now seriously considering reading engineering at university), has encouraged us to run a bigger and better course this summer.

'WISE UP '85' will take place on the 1st to 3rd July at Marconi Staff Development Centre, Arbour Lane, Chelmsford. This year's course is aimed at 5th form girls who have just completed their maths and science 'O' levels. During the three days, an industrial visit, films and informal discussions with the female engineers who run the course, help dispel the 'greasy spanner' image of engineering.

Taxing

A taxing 'design and make' project helps the girls appreciate the teamwork, decision-making and creative aspects of the industry. These activities, coupled with careers advice, aim to let the girls on the course make an informed choice about following an engineering career. Those who show interest are offered a 'follow-up' service when they return to school.

This year's course offers 50 places to 5th form girls attending schools in the Mid-Essex Education Authority area. Posters and application forms should be appearing in schools soon, but anyone wanting to find out more is welcome to contact us on the numbers given below.

Janet Stringer Ext:2150
Karen Peters Ext: 2214

DIARY NOTES

FULL DETAILS of Marconi Athletic and Social Club events are posted on notice boards. Some of the forthcoming attractions are:

- April 29: Camera Club, 8.00pm.
- May 2: Modern Dance Section, 7.30pm.
- May 2: Wine Tasting and discussion group, 8.00pm.
- May 3: Friday night is music night, with Alan Jewell, 8.00pm.
- May 5: Family bingo, 8.00pm.
- May 9: Modern dance section 7.30pm.
- May 10: Disco, light show, cabaret, 8.00pm.

Christian Fellowship

I FELT it timely to write and express the Fellowship's appreciation of the facilities and support received from the Company, particularly with regard to accommodation for our meetings, use of notice boards, and the columns of *News and Views*. Also to enclose a copy of our programme (right).

T.J. Ellis
(Chairman, Marconi Christian Fellowship)

- May 7 Prayer and Fellowship
- May 13 Jesus — The Way, Truth and Life—Nyal Davies
- May 20 Communication during medical crisis
A Consultant Physician
- May 28 AGM

- June 3 Prayer and Fellowship
- June 10 Understanding God (Pt.1) — Angus Johnson
- June 17 Understanding God (Pt.2) — Angus Johnson
- June 24 Jesus — The Good Shepherd — Nyal Davies
- Venue: See notice boards 'D' and 'E' Building (South) on morning of meeting.
- Times: 12.30 to 13.15.