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INDUSTRY International

Products

Company News

Fibre-optics linescan recorder A
versatile, high-performance linescan
recorder capable of vertical deflection has been introduced by Honeywell. Using a fibre-optics-faced c.r.t. for minimum spot size, it provides high-resolution recordings of output from line-scanning infra-red, video, radar and ultrasonic systems.
In the instrument, Model 1856, a c.r.t. is used to generate and deflect a light spot across 6in-wide recording paper or film at a controlled speed. Its intensity is modulated by the amplitude of the input signal, fibre optics being used to transmit the light from the inner phosphor to the sur-face of the recording medium. With a spot size of less than 0-005in and a bandwidth of 10MHz, about 50 line pairs per centimetre can be resolved.

Integrated circuit inductor A re-search associate assigned by the US National Research Council to the Marshall Space Flight Centre has developed a "gyrator" that shows promise of revolutionising electrical inductors.

Dr Erwin Hochmair, assistant pro-fessor of electronic engineering at Technische Hochschule in Vienna, designed an integrated circuit that "acts like an inductor." The circuit is about the size of the head of a pin, is mounted on a silicon chip, and the first model develops 0-2 Henry.
When fully developed, the gyrator can be used in any circuits in which inductors have been used in the past, it is claimed. Dr Hochmair said, "The silicon monolithic circuit, on one chip, used in the gyrator is of the metal-oxide-semiconductor type. Either P-channel or complementary MOS cir-cuits are used, the latter variety affording the highest inductance." He has applied for patents on both types.

RAF video processing order The MoD Procurement Executive has placed an order with Cossor Elec-tronics Ltd, Harlow, Essex, for the supply and installation of decoding equipment at two ATC Radar Units controlled by the RAF. This brings the total value of Cossor CVP 100 series video processing equipment ordered this year for the RAF to more than £500,000.
Delivery and installation of the equipment to air-defence radar sites at Boulmer, Northumberland, and Bishops Court, in Northern Ireland, are scheduled for the late summer and autumn.

The CVP 100 series equipment, used in conjunction with IFF systems, is similar to that supplied by Cossor to

A company test volunteer being vibrated on a Derritron VPI80LS electro-magnetic vibrator at the Institute of Sound and Vibration Research at the University of Southampton. The laboratory is studying the effects of vibra-tion on visual performance and particularly the threshold for the effect of vibration on visual acuity. This is an extension of field trials recording tri-axial vibration at the base of the pilot seat in a Scout helicopter

three other air-defence radar sites. The inclusion of light pens is one of the differences in configuration of the latest equipment.

PEOPLE AN D POST S

Mr M. C. A. Holt has been elected
to the board of The Fairey Co Ltd as financial director.

AMF International Ltd has ap-pointed Mr Marco Delco as sales manager of the company's European Time Controls Division.

Mr Frederick W. Herr has been named manager of the Display Instru-ment Department for the Instrument Division of Lear Siegler Inc.

The MEL Equipment Co Ltd has appointed Mr S. J. Robinson as chief commercial engineer in the largest of MEL's divisions, Defence Systems. The directors of Bristol Street Group Ltd have appointed Mr Albert L. Wrigley as a director Of their subsidiary company, L. A. Rumbold Ltd, manufacturers of air-craft seating.

Mr S. Hinchliff, a director of Dowty Group Ltd, has been appointed a deputy chairman of the company. Mr R. F. Hunt, also a deputy chairman of the company, has responsibility for all the group's aviation companies.

WHO'S SELLING WHAT

The Instrument Division of Lear Siegler Inc has been awarded a $605,225 (£242,000) failure-free war-ranty contract by the US Navy on LSI's Model 2171PA twin-gyro plat-form. The contract provides a guaran-teed maintenance programme on the twin-gyro platform for failure-free operation for l,500hr or six years. . . . DETA, the Mozambique airline, has placed an order with Redifon Flight Simulation Ltd for a Boeing 737-2B1 digital flight simulator. The contract is worth approximately £650,000. . . . Electronic Communications Inc, of St Petersburg, Fla, has sold 18 radio communication systems to the Govern-ment of Greece. . . . Redifon Telecom-munications Ltd has won a £63,000 order to supply HF SSB radio receivers to the Civil Aviation Divi-sion of the New Zealand Ministry of Transport for the use in ATC net-works. ... A £106,000 Ministry of Defence order for oscilloscopes has been won by Cossor Electronics Ltd of Harlow, Essex. The oscilloscope— designated CT 531—is commercially available as the Cossor CDU 150, and is priced at £520.

IN BRIEF

Amalgamated Wireless (Austral-asia) Ltd have appointed Marconi Instruments Ltd as distributor in Britain for the sale and service of their telecommunications test instru-ments.

Repairs to spoiled areas along expansion joints to the main concrete runway at Luton Airport have recently been undertaken by Luton Corporation. The main contractors are Sydney Green & Sons (Contractors) Ltd, Henley-on-Thames, and the work, which was carried out throughout the night over a three-week period, involved breaking out to 2in (50mm) deep along each side of the transverse joints to a minimum total width of I8in (457mm) and filling with mastic asphalt I