ERRATUM

A fast multiple coincidence circuit

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High temperature alloys. Henry Wiggins and Co. Ltd., Birmingham 16. Design data on the entire range of Nimonic alloys, including preliminary details of the recently introduced creep-resisting material Nimonic 100, are contained in the latest edition of The Nimonic Alloys. Extensive revisions have been made in this booklet in the light of creep and fatigue test results obtained since the earlier edition was published. For example, 10,000 hour creep data for Nimonic 90 and 95 are included and the fatigue properties of Nimonic 80A at 700°C and 750°C are indicated by means of Gerber diagrams. Other information given on the Nimonic alloys includes the specified compositions, hardness ranges, physical properties, recommended heat treatments, short-time high-temperature tensile properties and results of torsion tests.

Lubrication using molybdenum disulphide. Rocol Limited, Ibex House, London, E.C.3. Several publications give details of a range of lubricants called "molybdenised lubricants." These consist of combinations of molybdenum disulphide with oils, greases, water, soaps, solvents, silicones, diesters and other fluids. It is claimed that molybdenum disulphide is resistant to heat, oxidation, light and all common solvents and chemicals. It has a low coefficient of friction, resists extreme pressures, shears readily and bonds to ordinary engineering metals and plastics.


Noble metal thermocouples. Johnson, Matthey and Co., Ltd., 73-83 Hatton Garden, London, E.C.1. A thirty-six page booklet entitled Noble metal thermocouples, by H. E. Bennett, briefly surveys methods of high-temperature measurement and the development of the thermocouple. It also deals with applications of the platinum metal thermocouple, with particular reference to its use in the steel industry, and with methods of calibration. A further section covers the properties of the platinum-group metals and their alloys in relation to the problems of temperature measurement; in addition, information is given on the principal causes of deterioration of thermocouples under the heads: effect of strain, effect of prolonged heating at high temperatures and contamination. A bibliography and index are included.

Waveguide components. Hilger and Watts Ltd., Hilger Division, 98 St. Pancras Way, Camden Road, London, N.W.1. Literature is available which describes a range of waveguide components for the 8 to 10 mm waveband—the "Q band." The components are based on standard guide size WG22 with internal dimensions of 0.280 by 0.140 in. They include wavemeters and reference cavities, standing-wave indicators, attenuators, directional couplers, waveguide switches, isolators, crystal holders, and thermistor mounts, in addition to lengths of drawn or precision electroformed guide. They are normally fitted with U.K. standard pressurized, screwed-ring connectors with plain flanges, but choke flanges or U.S.-type flanges are available as alternatives.

Optical glass. Chance Brothers Limited, Glass Works, Smethwick 40, Birmingham. Catalogue O.S.16 contains comprehensive specifications of various types of optical glass. The new types of glass included in this catalogue are barium crown, barium flint, extra dense flint, double extra dense flint, borate flint, special barium crown, special barium flint.

Microwave equipment. Elliott Brothers (London) Ltd., Elstree Way, Borehamwood, Hertfordshire. Further leaflets have been issued which give details of microwave equipment for the 3-2 cm waveband. The equipment includes a precision, standing-wave indicator, a rotary attenuator and a monitor diode. A leaflet describing a monitor diode for the 10 cm waveband is also available.

Errata

There are two small errors in the figures used to illustrate "A fast multiple coincidence circuit" by B. Collinge, A. W. Merrison and D. Eccleshall, published in the February 1956 issue of this Journal.

Fig. 2. The junction of R14 and R15 should be joined to the junction of R16 and C4.

Fig. 4. The resistor connected to the −200 V line should be marked 10 kΩ.

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