EWING, SIR (JAMES) ALFRED, K.C.B., cr. 1911; C.B., 1907; M.A., Hon. LL.D. (Edin. St. Andrews), Hon. D.Sc. (Durham), F.R.S., M. Inst. C.E., Principal and Vice-Chancellor of the University of Edinburgh since 1916; Hon. Fellow of King's College, Cambridge; b. Dundee, 27th Mar. 1855; 3rd s. of late Rev. James Ewing; m. 1st 1879, Anne (d.1909), d. of late T.B. Washington, Claymont, West Virginia; one s. one d.; 2nd, 1911, Ellen Lina, d. of late Dr. J. Hopkinson, F.R.S.; one s. Educ.: High School, Dundee; University of Edinburgh. Engaged in Engineering work till 1878; was Professor of Mechanical Engineering at the Imperial University, Tokyo, Japan; 1878-83; Prof. of Engineering at Univ. College, Dundee, 1883-90; Professor of Mechanism and Applied Mechanics in the Univ. of Camb. 1890-1903; Director of Naval Education, 1903-16; Member of Explosives Committee, 1903-6; Member of Ordnance Research Board, 1906-8; awarded Royal Medal for Researches in Magnetism, 1895; Rede Lecturer, Camb., 1904. Publications: papers on scientific subjetcs, especially on magnetism and the physics of metals, in Transactions of the Royal Society and elsewhere; Treatise on Earthquake measurement, 1883; Magnetic Induction in Iron and other Metals, 1891; The Steam Engine and other Heat Engines, 1894; The Strength of Materials, 1899; The Mechanical Production of Cold, 1908. Recreations: walking and mountaineering. Address: 16 Moray Place, Edinburgh. Clubs: Athanaeum; University, Edinburgh.

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