

YA2003.65

Items relating to The Lea Recorder Co. Ltd., Metropolitan-Vickers Electrical Co. Ltd., Associated Electrical Industries, and miscellaneous papers

Archival history: No provenance

System of arrangement: The collection has been arranged into 4 series reflecting the different companies. The series have been arranged in chronological date order.

Scope and content: The collection consists of 44 items and contains catalogues and descriptive leaflets, reports, articles and journals dating from 1924-1972

Series 1: The Lea Recorder Company Limited

Item	Date	Description
2003.65/1/1	c.1929-1933	Lea Recorders for measuring boiler feed water, condensed steam, coal consumption etc; catalogues from Steam Users section S
/2	1933-1935	Lea Recorders for measuring water supplies, sewage etc in connection with V notches, weirs and flumes; catalogues from Civil Engineering section C
/3	c.1939	'The Standing-Wave Flume' reprint of lecture by J.W. Horner of The Lea Recorder Co. Ltd.

Series 2: Metropolitan-Vickers Electrical Company Limited

Item	Date	Description
2003.65/2/1	1924	Reliability in Materials: a brief account of the methods employed in the Research Laboratories of the Metropolitan-Vickers Electrical Company Limited for maintaining the quality of materials used in the construction of electrical machinery and apparatus
/2	1929	High Voltage Switchgear; catalogue
/3	1929	'The Modern Tramcar' by G.H. Fletcher, Chief Engineer, Traction Motor Dept. Enclosed: Tramway Controllers Type OK-B,

		descriptive leaflet
/4	1929 Sep	'The Protection of Alternating Current Generators' reprinted from 'The Metropolitan-Vickers Gazette'
/5	1930 Jul	'The Protection of 3-Phase Transmission Lines and Feeders' reprinted from 'The Journal of the Institution of Electrical Engineers'
/6	1933	Metal-clad Switchgear; catalogue
/7	1933	Electromagnetic Research and Testing Equipment; a Portable Four Element Oscillograph; descriptive leaflet
/8	1933 Apr	Steam Turbine Installation; catalogue Enclosed: Steam Turbo Sets & Auxiliaries; leaflet
/9	1934	Type SF Industrial and Mining Iron-Clad Oil-Break Draw-Out Switchgear; catalogue
/10	1934	20,000 kVA Synchronous Condensers for the Victoria Falls and Transvaal Power Company
/11	1935	'Sound Repair of Steel Castings by Welding' by A.M. Roberts, paper read at the Welding Symposium
/12	1935	'Application of Electric Welding in the Fabrication of Plant and machinery' by J.A. Dorrat, paper read at the Welding Symposium
/13	1936	Self-Contained Turbo-Generators; catalogue
/14	1937	Relays for Transformer Protection types PB-F, PBA-F, PB-H and PB-NA; descriptive leaflet
/15	1937	'High Voltage Research and Testing Equipment, A Large Outdoor Impulse Generator' by F.S. Edwards, reprinted from 'The Metropolitan-Vickers Gazette'
/16	1937	'A 2,000-kV Impulse Generator' by F.S. Edwards, reprinted from 'Engineering'
/17	1937	'Flanged Pipe Joints for High Pressures and

		Temperatures' by R.W. Bailey, reprinted from 'Engineering'
/18	1938	Electric Welding; brochure
/19	1938	Induction Pattern for Reverse Power Relays types NA and NB
/20	1938	'Relief of Internal Stress in Castings' by L.E. Benson, reprinted from 'The Metropolitan-Vickers Gazette'
/21	1938	Automatic Synchronising Equipment; descriptive leaflet
/22	1938	A Guide to the Interpretation of Oscillographic Records
/23	c.1938	Translay Balanced Protective System for A.C. Feeders and Transformer-Feeders using unsheathed pilot wires; descriptive leaflet
/24	1939	Control Equipment for Power Station Auxiliary Motors; brochure
/25	1939	Induction Pattern for Protective Relays
/26	1939	Metrovick Ripplay Centralised Control; descriptive leaflet
/27	1941	Bridging The Gap, A brief outline of some of the activities of the Research Organisation of Metropolitan Vickers Electrical Company Limited
/28	1959	'Some Aspects of Steam Turbine Governing' based on paper presented at meeting of Canadian Electrical Association, Jan 1957

Series 3: Associated Electrical Industries

Item	Date	Description
2003.65/3/1	c.1950s	Propulsion Turbines for Blue Funnel Cargo Liners; catalogue
/2	c.1956	Turbo-Generators, Hydrogen Cooled and Water Cooled; information booklet

/3	1957	'Modern Methods of Excitation for Large Generators' by A.H. Gray & D.R. Fenwick in 'Metropolitan-Vickers Gazette'
/4	1959	Fluorocarbons; catalogue from AEI Radio & Electronic Components Division
/5	1959	'Mechanical and Electrical Protection of Turbine-Generators' by H.A. Kirby & D.R. Fenwick, and 'Electrical Protection of Turbine-Generators' by C. Ryder; articles reprinted in 'Metropolitan-Vickers Gazette'
/6	1961	'Development in Reheat Steam Turbines' by J.C. London from article in 'AEI Engineering'
/7	1963 Jun	Gala Sports Day programme

Series 4: Miscellaneous

Item	Date	Description
2003.65/4/1	1935	Industrial Physics Conference on Vacuum Devises in Research and Industry; catalogue of the exhibition in Manchester by The Institute of Physics
/2	1948-1949	OIL the Journal of the M.O.R. Group of Companies; vol. 1 no. 1 and vol.1 no.6
/3	1949 Jul	Massey-Harris Limited, Manchester: 'Growth' the official Massey-Harris magazine volume 1, issue 2
/4	1950 Apr	'Practical Television' television monthly magazine, volume 1, issue 1
/5	1951	Building a Petroleum-Chemicals Plant, booklet with papers describing the building of a petroleum-chemicals plant at Manchester, Petrocarbon Limited
/6	c.1972	The General Electric Company Limited: Anti-report