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FRIDAY JUNE 14 1968 THE TIMES

Explosives R. and D. Centre open first time since 1945

THE EXPLOSIVES Research and Development Establishment at Waltham Abbey was opened to the press by the Ministry of Techno-logy for the first time yesterday since its foundation in 1945.

An increasing proportion of E.R.D.E.'s work is now devoted to non-military applications as well as the development of explosives and propellants.

propellants. One group in the Establishment has been working on the development of new polymers in connexion with large flexible storage containers used for flexible barges and pillow tanks hav-ing stuck or stitched joints in the proofed fabric skin. These joints and the fabrics themselves are found to age rapidly under certain conditions. E.R.D.E. has prepared polymers with

predetermined properties by controlling their chemical structures. Considerable progress has been made by the introduction of asbestos and other fibres into plastics. Breaking strengths have been increased by up to 200 per cent, and the flex modulus by 500 per cent. This work is of particular importance to makers of air-cushion vehicle skirts, solid rubber tyres for tracked vehicles, and aircraft arrester tapes.

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JAMES CHEWTON