1. Record Nr. UNINA9910140297303321 Autore Thompson Richard J Titolo Crystal clear: the struggle for reliable communications technology in World War II [Place of publication not identified], : IEEE Press, 2007 Pubbl/distr/stampa 0-470-05129-9 **ISBN** 9780470051290 940.54/1273 Disciplina Soggetti World War, 1939-1945 - Communications Oscillators, Crystal Quartz crystals History & Archaeology History - General Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Bibliographic Level Mode of Issuance: Monograph Note generali Nota di contenuto Introduction: "We were heavily armed, and we had crystals" -- From wire to wireless: the development-- and acceptance-- of tactical radio -- Crystal control-- the great gamble -- The Signal Corps lays the foundation -- Nothing else to do but grind crystals -- Riding the "Flat Wheel Limited"-- overseeing a mass production industry -- Supplying a mass production industry-- the civilian government steps in -- "The whole radio crystal program of the Armed Services depends upon the

success of the procurement program in Brazil. Nothing must be allowed to interfere with it" -- "God made lots of small crystals" -- The aging crisis-- stopgap measures -- The aging crisis-- physics to the rescue! -- "Without crystals, you have radio; with them, communications" --Appendix 1: Crystal-controlled equipment -- Appendix 2: Crystal manufacturers.