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Nota di contenuto	The International Geophysical Year program of the United States - Joseph Kaplan -- Antarctic research during the International Geophysical Year - H Wexler -- Antarctic geography - Paul A Siple -- Antarctic photogeography - John Roscoe -- The Weddell Sea area - Finn Ronne -- Objectives of Antarctic glaciological research - Robert P Sharp -- Antarctic climatology and meteorology - H Wexler, Morton J Rubin -- Antarctic stratigraphy and structure - William E Davies -- On the petrology of Antarctica - Duncan Stewart -- Some problems of Antarctic submarine geology - Maurice Ewing, Bruce C Heezen -- Geomagnetic disturbances - E O Hulburt -- Clues to ionospheric conditions in the Southern Auroral Zone - A H Shapley -- The Aurora Australis and related phenomena - E H Vestine -- Cosmic ray experiments derived from recent U.S. Antarctic expeditions - JA Simpson -- Antarctic fauna and some of its problems - Carl R Eklund -- Botanical research essential to a knowledge of Antarctica - George A Llano.
Sommario/riassunto	Includes papers on geographic, meteorological, geological, and structural aspects of Antarctica. Also includes discussions on the upper atmospheric physics and the flora and fauna of Antarctica.