Record Nr. UNINA9910810365603321 Autore Frankel Henry R. <1944-> **Titolo** The continental drift controversy. Volume 3 Introduction of seafloor spreading / / Henry R. Frankel [[electronic resource]] Cambridge:,: Cambridge University Press,, 2012 Pubbl/distr/stampa **ISBN** 1-139-36564-9 1-107-22590-6 1-280-64735-3 9786613633408 1-139-37817-1 1-139-02541-4 1-139-37531-8 1-139-37674-8 1-139-37960-7 1-139-37132-0 Descrizione fisica 1 online resource (xvi, 476 pages) : digital, PDF file(s) Disciplina 551.1/36 Soggetti Continental drift - Research - History - 20th century Academic disputations - History - 20th century Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Title from publisher's bibliographic system (viewed on 05 Oct 2015). Note generali Includes bibliographical references and index. Nota di bibliografia Nota di contenuto Cover; THE CONTINENTAL DRIFT CONTROVERSY: Volume III: Introduction of Seafloor Spreading: Dedication: Title: Copyright: Contents; Foreword; Acknowledgments; Abbreviations; Introduction; 1: Extension and reception of paleomagnetic/paleoclimatic support for mobilism: 1960-1966; 1.1 Introduction; 1.2 Dott reexamines the Squantum Tillite: 1.3 Comparisons of paleomagnetic and paleoclimatic evidence: the 1959 Newcastle symposium and its 1961 publication Descriptive Palaeoclimatology; 1.4 Reviews of Descriptive Palaeoclimatology; 1.5 Speculations on mechanism in the early 1960s 1.6 The 1962 anthology Continental Drift and MacDonald's review of it1.7 Blackett turns to paleoclimatology; 1.8 Deutsch proposes

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Sommario/riassunto

Resolution of the sixty-year debate over continental drift, culminating in the triumph of plate tectonics, changed the very fabric of Earth science. This four-volume treatise on the continental drift controversy is the first complete history of the origin, debate and gradual acceptance of this revolutionary theory. Based on extensive interviews, archival papers and original works, Frankel weaves together the lives and work of the scientists involved, producing an accessible narrative for scientists and non-scientists alike. This third volume describes the expansion of the land-based paleomagnetic case for drifting continents and recounts the golden age of marine geology and geophysics. Fuelled by the Cold War, US and British workers led the way in making discoveries and forming new hypotheses, especially about the origin of oceanic ridges. When first proposed, seafloor spreading was just one of several competing hypotheses about the evolution of ocean basins.