1. Record Nr. UNINA9910790352103321 Autore Frankel Henry R. <1944-> **Titolo** The continental drift controversy. Volume 4 Evolution into plate tectonics / / Henry R. Frankel [[electronic resource]] Cambridge:,: Cambridge University Press,, 2012 Pubbl/distr/stampa **ISBN** 1-139-36630-0 1-107-23119-1 1-280-77361-8 9786613684387 1-139-37889-9 1-139-09593-5 1-139-37603-9 1-139-37204-1 1-139-37746-9 1-139-38032-X Descrizione fisica 1 online resource (xix, 675 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 Monografia Livello bibliografico Title from publisher's bibliographic system (viewed on 05 Oct 2015). Note generali Cover; THE CONTINENTAL DRIFT CONTROVERSY; Dedication; Title; Nota di contenuto Copyright; Index Resolution of the sixty-year debate over continental drift, culminating Sommario/riassunto 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 fourth volume explains the discoveries in the mid 1960s which led to the rapid acceptance of

seafloor spreading theory and how birth of plate tectonics followed

soon after with the geometrification of geology. Although plate tectonics did not explain the cause or dynamic mechanism of drifting continents, it provided a convincing kinematic explanation that continues to inspire geodynamic research to the present day.