Alaska earthquake of 1964, earthquake that occurred in south-central Alaska on March 27, 1964, with a moment magnitude of 9.2. It released at least twice as much energy as the San Francisco earthquake of 1906 and was felt on land over an area of almost 502,000 square miles (1,300,000 square km). The Great Alaska Earthquake of 1964; Hydrology, Parts A and B. Committee on the Alaska Earthquake of the Division of Earth Sciences National Research Council. Published by Washington, D. C.: National Academy of Sciences (1968). When you buy books using these links the Internet Archive may earn a small commission. Benefits of donating. When you donate a physical book to the Internet Archive, your book will enjoy. 