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Traditions in the Seventeenth and Eighteenth Centuries"; "Civil Engineering Development as a Prerequisite to Earthquake Engineering"; "5 The First Seismologists and Earthquake Engineers: The Nineteenth Century"; "Robert Mallet, the First Earthquake Engineer"; "Japan in the Meiji Period"; "The University of Tokyo" "John Milne: The Foremost Early Seismologist" "Ayrton, Perry, Ewing, Knott, Gray, and Mendenhall"; "Development of Seismology Outside of Japan"; "Intensity, an Early Tool of Seismologists and Engineers"; "Understanding Faults and the Generation of Earthquakes"; "Steel and Reinforced Concrete Join the Traditional Construction Materials"; "Moment-Resisting Frames, Braced Frames, Walls, and Diaphragms"; "Construction Vocabulary in Place, but Lacking Syntax"; "The Lack of Quantitative Measures of Seismic Loads"; "Static Analysis of a Dynamic Phenomenon" "The Many Unsolved Problems" "6 1900-1940: Poised for Further Development but Lacking Essential Analytical Tools"; "Earthquake Engineering in Japan"; "Developing Surficial Seismology"; "Research and Practice Initiatives after the 1906 San Francisco Earthquake"; "The 1908 Messina Reggio Earthquake"; "1910 Cartago, Costa Rica, Earthquake: An Early Recognition of the Vulnerability of Unreinforced Masonry"; "The 1923 Kanto, Japan, Earthquake: The First Test of Seismically Analyzed and Designed Buildings" "Seismologists Develop the First Estimates of Future Earthquakes: Where, How Big, and How Often"

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