

Science Library Mini Exhibition
**"Great Earthquake and Seismology
 —A Century old of the Great Kanto Earthquake—"**
 The first term: Yokohama Earthquake · Nobi Earthquake)
Display Material List

I. Yokohama Earthquake

Broke out at 0:50 am on February 22, 1880. M5.5-6.0. Hypocenter: Yokohama.

In the wake of the Yokohama earthquake, the Seismological Society of Japan was founded with the purpose of "The progress and diffusion of seismology", "Presentation on seismology", "Contribution to the development of science in Japan", and "Exchanging knowledge and cooperation with related academic societies in Japan and overseas."

This conference was the world's first academic society specializing in seismology.

展示資料	
I - ①	Transactions of the Seismological Society of Japan, vol. 1 [1880] <ul style="list-style-type: none"> ● Johon Milne "Seismic Science in Japan" part 1, p. 3-34 ● Johon Milne "The Earthquake in Japan of February 22nd, 1880" part 2, p. 1-116
I - ②	Transactions of the Seismological Society of Japan, vol. 2 [1880] <ul style="list-style-type: none"> ● James A. Ewing "On a New Seismograph for Horizontal Motion" p. 45-49
I - ③	Transactions of the Seismological Society of Japan, vol. 3 [1881] <ul style="list-style-type: none"> ● Thomas Gray "On a Seismograph for Registering Vertical Motion" p. 137-139 ● James A. Ewing "A Seismometer for Vertical Motion" p. 140-142
I - ④	東洋學藝雜誌, 第3巻 [1885] <ul style="list-style-type: none"> ● 小藤文次郎 "地震考説" p. 97-104 ● 小藤文次郎 "土地昇降ノ説" p. 193-204
I - ⑤	日本地震学会報告, 第1冊 [1884] / 日本地震学会報告, 第2冊 [1885] <ul style="list-style-type: none"> ● ジョン・ミルン "明治十三年二月日本地震の記" 第1冊, p.65-109 ● ジョン・ミルン "地震観測論" 第2冊, p. 1-25 ● トーマス・グレイ "上下動地震計" 第2冊, p. 39-42
I - ⑥	橋本万平, 地震学事始: 開拓者・関谷清景の生涯, 朝日選書237, 朝日新聞社 [1983]

II. Nobi Earthquake

Occurred at 6:38 am on October 28, 1891. M8.0. Hypocenter: Neodani, Nishineo village, Motosu District, Gifu prefecture.

After the Nobi Earthquake, the Imperial Earthquake Investigation Committee founded under the jurisdiction of the Ministry of Education from June 27, 1892 to November 13, 1925. This Committee researched Earthquake mechanism and things like that.

展示資料	
II - ①	東洋學藝雜誌, 第9巻 [1892] <ul style="list-style-type: none"> ● 小藤文次郎 "濃尾大地震ノ震源" p. 147-158
II - ②	Seismological journal of Japan, vol. 17 [1893] <ul style="list-style-type: none"> ● Johon Milne "A Note on the Great Earthquake of October 28th, 1891" p. 127-151
II - ③	震災豫防調査會報告, 2号 [1894] <ul style="list-style-type: none"> ● 大森房吉 "余震 (After-shock) ニ於キテ" p. 103-139
II - ④	震災豫防調査會報告, 21号 [1898] <ul style="list-style-type: none"> ● 大森房吉 "地震動ノ強度ト被害トノ關係調査報告" p. 45-50
II - ⑤	John Milne, Earthquakes and other earth movements, 4th ed. The international scientific series, v. 56, K. Paul, Trench, Trübner [1898]
II - ⑥	John Milne, Seismology The international scientific series, v. 85, K. Paul, Trench, Trübner [1898]
II - ⑦	震災豫防調査會報告, 28号 [1899] <ul style="list-style-type: none"> ● 大森房吉 "明治二十四年十月二十八日濃尾大地震ニ關する調査" p. 79-96
II - ⑧	Publications of the Earthquake Investigation Committee in foreign languages, vol. 1 no. 4 [1900] <ul style="list-style-type: none"> ● F. Omori "Note on Great Mino-Owari Earthquake of Oct.28th, 1891" p. 13-24 ● H. Nagaoka "Elastic Constants of Rocks and the Velocity of Seismic Waves" p. 47-67

II - ⑨	Publications of the Earthquake Investigation Committee in foreign languages, no. 18 [1904] <ul style="list-style-type: none"> ● F. Omori "Note on the Relation between Earthquakes and Changes in Latitude" p. 13–21 ● F. Omori "Note on the Lunar-daily Distribution of Earthquakes" p. 27–40 ● A. Imamura "On the Transit Velocity of the Earthquake Motion Originating at near distance" p. 97–115
II - ⑩	震災豫防調査會報告, 49号 [1905] <ul style="list-style-type: none"> ● 大森房吉 "地震ト緯度變化ノ關係ニ就キテ" p. 9–16
II - ⑪	The journal of the College of Science, Imperial University of Tokyo, Japan = 東京帝國大學紀要. 理科, vol. 21 [1906] <ul style="list-style-type: none"> ● S. Kusakabe "Frequency of After-shocks and Space Distribution of Seismic Waves" p. 1–19
II - ⑫	Bulletin of the Imperial Earthquake Investigation Committee, vol. 2 no. 2 [1908] <ul style="list-style-type: none"> ● F. Omori "Notes on the Secondly Causes Earthquakes" p. 101–135 <div style="text-align: right;">  E-Journal Available </div>
Non-display	気象集誌, 第28年第1号 [1909] <ul style="list-style-type: none"> ● 寺田寅彦 "地震ノ頻度ト勾配トノ關係ニ就テ" p. 1–11 <div style="text-align: right;">  E-Journal Available </div>
II - ⑬	震災豫防調査會報告, 88号丙 [1920] <ul style="list-style-type: none"> ● 大森房吉 "東京將來の震災に就きて" p. 24–26

【References】

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- 泊次郎. 日本の地震予知研究130年史: 明治期から東日本大震災まで, 東京大学出版会 [2015]
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- 北原糸子. 関東大震災: 写真集, 吉川弘文館 [2010]