

EARTHQUAKES.

In April, 1903, a Milne seismograph belonging to the Seismological Committee of the British Association was transferred from Oahu College to the magnetic observatory. The pendulum points north, thus recording east-west motion.



	Period of pendulum.	Sensitive-ness.		Period of pendulum.	Sensitive-ness.
January, 1919, to January, 1920.....	S. 18	" 0.40	June and July, 1920.....	S. 18	" 0.40
February to May, 1920.....	18	.48	August to December, 1920.....	18	" 0.40

Register of earthquakes.

No.	Date.	P		S		L		M		C		F		Maximum amplitude
		h	m	h	m	h	m	h	m	h	m	h	m	
	1919													
2121	Jan. 1	1	45.4	1	55.2	2	08.3	2	22.3	2	42			6.3
2122	Jan. 1	3	07.6			3	14.5	3	15.0	3	28	7	18	17+
2123	Jan. 5	20	17.4			20	38.0	20	44.0	20	47	21	12	0.4
2124	Jan. 6	22	32.7	22	40.0	22	46.9	22	55.0	22	58	25	30	4.0
2125	Jan. 7					12	41.1	12	47.8			12	53	0.1
2126	Jan. 8					2	37.0	2	43.2			2	47	0.1
2127	Jan. 8					6	54.0	6	58.8			7	06	0.1
2128	Jan. 8					22	11.1	22	15.5			22	24	0.1
2129	Jan. 11					10	00.9	10	10.2			10	31	0.2
2130	Jan. 17					12	17.5	12	21.0			12	25	0.2
2131	Jan. 27					21	53.0	21	53.4			22	42	0.2
2132	Jan. 29					3	23.0	3	23.3	3	24	3	29	0.2
2133	Jan. 31					23	55.7	24	02.5			24	16	0.2
2134	Feb. 5	20	22.0			20	29.5	20	38.5	20	43	21	03	0.2
2135	Feb. 9	13	03.4			13	15.5	13	20.0			13	43	0.1
2136	Feb. 9	15	43.6			15	56.0	16	00.5	16	04	16	09	0.1
2137	Feb. 12	12	57.9			13	05.0	13	11.2	13	35	13	53	0.4
2138	Feb. 12	21	03.7			21	11.0	21	18.0	21	25	21	48	0.3
2139	Feb. 22	4	32.7			4	39.8	4	47.0	5	01	5	34	0.2
2140	Mar. 1					14	09.0	14	13.5			14	17	0.2
2141	Mar. 2	3	51.8	3	59.1	4	14.5	4	19.0	4	27	6	25	2.6
2142	Mar. 2	12	09.1	12	17.1	12	32.0	12	37.0	12	39	14	41	3.9
2143	Mar. 4					8	48.0	8	50.0			8	53	0.1
2144	Mar. 5					20	17	20	21.5			20	30	0.1
2145	Mar. 9	3	42.6	3	50.8	4	03	4	09.7	4	12	6	10	0.9
2146	Mar. 10	21	38.7			21	55	22	05			22	08	0.1
2147	Mar. 14					15	06	15	09.7			15	23	0.1
2148	Mar. 16	7	44.0	7	53.9	8	06	8	16.8	8	26	8	54	0.6
2149	Mar. 19					11	30.0	11	34.5			11	38	0.1
2150	Mar. 21	1	39.0			1	44.0	1	49.5	1	55	2	02	0.3
2151	Mar. 21	16	27.0	16	29.0	16	30.2	16	35.0	16	38			1.8
2152	Mar. 22	17	55.1	17	58.2	18	00.0	18	03.1	18	10	18	49	0.8
2153	Mar. 22					16	44.0	16	49.2	16	52	17	02	0.2
2154	Mar. 30					11	10	11	15.5			11	30	0.3
2155	Apr. 17	11	31.8	11	38.4	11	49.0	11	54.9	12	03	14	45	2.0
2156	Apr. 17	21	03.9	21	12.5	21	23.5	21	26.1	21	43	23	03	4.0
2157	Apr. 18	21	21.8					21	27.1			22	45	0.9
2158	Apr. 21					13	40.8	13	45.0			14	06	0.1
2159	Apr. 22	3	01.5			3	10.1	3	16.5	3	21	4	12	0.3
2160	Apr. 23	7	21.2			7	24.1	7	24.8			8	00	0.5
2161	Apr. 27					0	46	1	16.5	1	20	1	35	0.7
2162	Apr. 28					7	17	7	22.5			7	38	0.3
2163	Apr. 30	7	26.0	7	32.4	7	35.7	7	41.5			13	02	17+
2164	May 1					5	46	6	51.2	7	00	7	16	0.4
2165	May 1					21	38	21	56.0	22	02	22	14	0.4
2166	May 2	2	15.2	2	22.0	2	25.3	2	34.0	2	41			2.5
2167	May 3	1	01.1			1	08.2	1	23.0	1	29	4	20	12.0
2168	May 4					22	58	23	11.5			23	53	0.1
2169	May 6	4	24.0			4	27.8	4	37.0	4	23	5	20	0.4
2170	May 6	19	50.0	19	56.5									
				19	59.5	20	05.5	20	14.0	21	21	24	47	17+
2171	May 7	{	5 25.1			5	43.4	5	48.3	5	58	10	03	4.5
		{	5 32.1	5	38.2									
2172	May 8					5	12	5	15.5			5	18	0.1



## EARTHQUAKES.

## Register of earthquakes—Continued.

No.	Date.	P		S		L		M		C		F	Maximum amplitude mm.	
		h	m	h	m	h	m	h	m	h	m			
2173	1919 May 8	10	21.9	10	25.7	10	30	10	35	10	40	11	30	0.4
2174	May 8					18	38	18	43.5			18	49	0.2
2175	May 8	19	25.5			19	30	19	31.3	19	40	21	26	0.2
2176	May 16	1	24.9			1	38	1	42.5			1	54	0.
2177	May 18					10	40.5	10	41.0			10	43	0.1
2178	May 19	4	19.2			4	25	4	28.1	4	31	4	52	0.3
2179	May 20	4	33.6									4	45	0.2
2180	May 22	12	04.7			12	08.4	12	09.9	12	18	12	55	0.5
2181	May 23	3	39.8			3	47	3	52.1			4	00	0.2
2182	May 27	17	40.4	17	45.8	17	49.5	17	54	18	04	18	21	0.4
2183	May 28	3	22			3	25	3	30			3	54	0.2
2184	June 1					7	10.5	7	11.8	7	16	7	41	0.3
2185	June 10	20	30.6			20	37	20	44.0	20	50	20	59	0.3
2186	June 15					19	43	19	45.3			19	48	0.1
2187	June 24					19	16	19	26			19	35	0.1
2188	June 26					2	10.5	2	11.9			2	13	0.1
2189	June 28	5	13			5	25.8	5	29.1	5	33	5	54	0.2
2190	June 29	23	25.3	23	34.7	23	45.4	23	49.3	24	02	25	12	0.6
2191	June 30	8	43			9	08.5	9	15.0	9	19	9	51	0.2
2192	July 6	7	15.3	7	23.5	7	33.4	7	35.5	7	39	7	49	0.2
2193	July 7	14	09.2	14	15.3	14	19.0	14	27.1	14	31	14	51	0.5
2194	July 8	21	31.0			22	38.5	22	55.0	22	59	24	12	1.4
2195	July 14	13	50.3			13	59.5	14	05.0	14	07	14	57	0.2
2196	July 16	18	20.9			18	29.4	18	32.5	18	35	19	04	0.3
2197	July 24	2	29.7			3	04.0	3	09.0	3	15	3	31	0.3
2198	July 25	19	13.7			19	21.0	19	26.5	19	28	19	45	0.3
2199	July 31	7	15.0			7	24.1	7	31.0	7	34	8	09	0.4
2200	Aug. 3					18	43	18	48	18	51	19	27	0.1
2201	Aug. 18	17	03.7	17	09.5	17	16.0	17	32.0	17	37	18	10	0.3
2202	Aug. 23					16	36	16	42			16	45	0.1
2203	Aug. 24					5	23.3	5	34.0			5	37	0.1
2204	Aug. 27	5	29.7	5	37.5	5	48.0	5	55.2	6	01	6	55	1.9
2205	Aug. 28					20	16	20	27			20	32	0.1
2206	Aug. 29	6	00.0	6	05.5	6	27.0	6	31.2	6	38	8	32	5.4
2207	Aug. 29	14	02.1	14	08.0	14	14.0	14	19.0	14	21	14	45	0.2
2208	Aug. 31	17	29.4			17	40.0	17	43.0	17	58	20	25	8.8
2209	Sept. 12					14	17.0	14	22.5	14	25			0.2
2210	Sept. 13					12	42.0	12	44.0	12	47			0.2
2211	Sept. 15	3	52.0					3	53.3	3	58	4	04	2.1
2212	Sept. 15	17	50.0			17	52.8	17	58.0	18	00	18	28	0.3
2213	Sept. 18	14	11.3					14	12.0	14	13	14	14	0.3
2214	Sept. 26	9	28.8			9	38.5	9	56.0			10	22	0.3
2215	Sept. 26	19	52.0			20	16.1	20	31.4	20	38	23	53	1.9
2216	Sept. 27					4	10.0	4	15.3	4	18	4	42	0.1
2217	Sept. 29	12	37.0			12	40.0	12	40.8	12	44			0.4
2218	Sept. 29					13	49.2	13	49.7	13	52	14	09	0.1
2219	Sept. 30					7	56.5	7	59.5			8	04	0.1
2220	Oct. 3	9	51.3	9	54.5	10	00.2	10	06.5	10	22	11	36	1.1
2221	Oct. 6					2	04.6	2	08.2			2	19	0.1
2222	Oct. 8	4	50.3	4	58.5	5	09.4	5	22.0	5	29	6	30	0.5
2223	Oct. 10					1	18.3	1	27.0	1	30	2	40	2.0
2224	Oct. 21	21	39.3			21	49.4	21	59.5	22	05	22	50	0.4
2225	Oct. 23	0	43.4					0	44.4	0	46	0	49	0.4
2226	Oct. 23	16	23.5			16	41.0	16	49.0	16	54	20	34	0.1
2227	Oct. 26					19	29	19	36.5	19	42	21	18	0.1
2228	Oct. 27	4	04.9					4	07.2	4	10	4	38	0.1
2229	Oct. 31	19	35.3			19	43.0	19	46.3	20	02	20	10	0.1
2230	Nov. 5	20	36.0			20	43.1	20	47.7	20	54	20	58	0.1
2231	Nov. 6					17	32.0					17	44	0.1
2232	Nov. 18	4	22.9			4	32.6	4	50.3	4	55	5	16	0.3
2233	Nov. 18	23	00.6			23	05.0	23	11.0	23	19	23	26	0.2
2234	Nov. 20	14	19.8	14	27.3	14	38.7	14	42.7	14	48	15	36	2.0
2235	Nov. 23	6	17.7	6	23.8	6	30.5	6	35.0	6	42	7	25	0.7
2236	Nov. 26	8	30.5					8	31.0			8	34	0.2
2237	Dec. 11	23	28.9			23	31.5	23	33.1	23	37	24	15	0.7
2238	Dec. 12	4	00.8	4	04.4	4	09.9	4	16.1	4	18	4	23	0.1
2239	Dec. 14	1	26.3	1	33.8	1	38.5	1	51.1	1	54	2	31	0.3
2240	Dec. 17	23	55.9			24	00.0	24	04.4	24	08	24	34	0.3
2241	Dec. 20	20	01.2			20	16.9	20	23.5	20	34			0.3
2242	Dec. 20	20	58.8			21	22.5	21	27.5	21	36	23	26	1.0

