

No.	Date.	P	S	L	M	C	F	Maximum amplitude
	1920	<i>h m</i>	<i>h m</i>	<i>h m</i>	<i>h m</i>	<i>h m</i>	<i>h m</i>	<i>mm.</i>
2243	Jan. 1	12 21.7	-----	12 34.5	12 46.7	12 53	13 37	0.2
2244	Jan. 1	15 47.0	-----	16 01.5	16 09.5	16 15	16 22	0.1
2245	Jan. 2	-----	-----	13 33.4	13 37.2	13 40	13 45	0.1
2246	Jan. 4	-----	4 39.6	4 50.0	4 54.5	4 57	5 32	0.1
2247	Jan. 7	9 33.0	-----	9 43.0	9 47.0	9 50	-----	0.3
2248	Jan. 12	13 57.7	14 02.4	14 06.6	14 17.7	14 26	14 50	2.1
2249	Jan. 13	23 10.2	-----	23 23.6	23 34.6	23 43	24 19	1.4
2250	Jan. 14	14 49.0	14 56.4	15 05.9	15 16.1	15 34	16 02	0.3
2251	Jan. 21	6 18.5	-----	6 21.0	6 21.7	6 28	6 44	0.2
2252	Jan. 22	21 35.4	21 40.4	21 43.7	21 46.5	21 54	22 40	0.4
2253	Jan. 26	11 35.8	-----	11 52.0	11 55.1	11 57	12 18	0.2
2254	Jan. 30	19 47.2	19 50.0	19 52.7	19 57.5	20 00	20 47	0.8
2255	Feb. 1	13 42.8	-----	13 59.5	14 01.0	14 03	14 14	0.1
2256	Feb. 2	11 32.2	-----	11 44.5	-----	-----	-----	-----
		11 36.4	-----	11 49.3	11 56.5	12 45	15 27	11.2
2257	Feb. 3	7 03.5	-----	7 07.3	7 12.5	7 14	7 26	0.2
2258	Feb. 3	15 21.0	15 24.0	15 28.2	15 33.5	15 37	15 41	0.3
2259	Feb. 3	20 07.3	-----	20 12.3	20 20.0	20 27	20 42	0.1
2260	Feb. 6	9 29.0	-----	-----	9 41.0	-----	9 57	0.1
2261	Feb. 7	15 24.1	15 40.0	15 51.0	15 56.4	16 00	16 51	0.5
2262	Feb. 8	5 59.0	-----	6 20.2	6 26.4	6 38	6 44	0.3
2263	Feb. 9	19 35.9	-----	19 38.6	19 43.0	-----	20 00	0.1
2264	Feb. 10	9 22.3	9 29.0	9 36.0	9 44.3	9 50	-----	1.8
2265	Feb. 10	10 19.3	10 24.4	10 28.0	10 33.1	10 39	11 10	0.6
2266	Feb. 10	22 21.2	22 30.4	22 53.8	22 58.7	23 11	25 15	0.5
2267	Feb. 19	20 22.6	-----	20 29.0	20 31.0	20 34	20 44	0.3
2268	Feb. 22	17 51.5	17 53.5	17 57.0	17 58.0	18 04	18 20	0.6
2269	Feb. 25	23 02.4	-----	23 22.0	23 27.0	23 31	23 39	0.3
2270	Feb. 27	7 27.7	7 33.1	7 36.5	7 43.4	7 57	8 01	0.6
2271	Feb. 27	10 52.7	-----	11 00 0	11 05.9	11 10	11 16	0.4
2272	Mar. 11	12 30.5	-----	12 39.0	12 44.5	12 48	13 03	0.2
2273	Mar. 11	19 02.0	-----	19 04.0	19 10.5	19 13	19 30	0.2
2274	Mar. 12	15 45.0	-----	15 53.7	16 01.5	16 05	16 26	0.3
2275	Feb. 13	4 21.7	4 24.9	4 28.0	4 32.0	4 36	4 52	0.2
2276	Mar. 15	12 21.3	12 24.7	12 30.5	12 34.8	12 40	13 51	1.8
2277	Mar. 20	-----	18 53.3	19 08.9	19 12.6	19 15	20 57	1.5
2278	Mar. 21	1 56.4	2 00.7	2 02.8	2 13.0	2 16	2 37	0.5
2279	Mar. 22	20 17.5	20 20.6	20 23.0	20 29.5	20 36	21 46	1.7
2280	Mar. 23	15 32.8	15 41.5	15 51.1	15 53	-----	16 08	0.1
2281	Apr. 2	1 22.2	1 28.1	1 31.7	1 38.4	1 55	2 32	0.8
2282	Apr. 2	15 29.0	-----	15 45.4	15 51.4	15 58	16 18	0.3
2283	Apr. 6	19 11.6	19 18.6	19 26.9	19 39.2	19 52	20 31	0.7
2284	Apr. 11	23 19.2	23 23.0	23 28.4	23 29.2	23 38	23 57	0.3
2285	Apr. 16	22 44.0	-----	-----	22 55.2	22 58	23 14	0.2
2286	Apr. 19	21 16.6	21 24.1	21 32.7	21 36.5	21 42	21 53	0.1
2287	May 5	8 48.9	-----	8 52.8	8 54.3	8 57	9 16	0.1
2288	May 7	5 52.2	* 6 02.4	6 19.5	6 26.6	-----	-----	0.1
		-----	-----	-----	6 30.8	6 44	8 13	1.1
2289	May 7	21 41.3	21 48.5	21 54.8	22 05.0	22 27	25 12	5.1
2290	May 9	8 21.9	-----	8 24.0	8 30.9	8 39	8 57	0.2
2291	May 10	19 01.5	19 10.9	19 26.7	19 33.3	19 45	20 42	1.4
2292	May 13	1 58.4	2 06.7	2 20.4	2 28.6	2 39	5 32	4.1
2293	May 19	3 33.5	-----	3 54.0	3 58.0	4 00	4 18	0.2
2294	May 20	7 35.2	7 42.0	7 49.5	8 01.8	8 07	10 38	1.2
2295	May 22	-----	-----	17 28.0	17 37.0	17 43	18 09	0.4
2296	May 26	12 36.8	12 38.8	12 41.5	12 47.6	13 12	-----	1.4
2297	June 2	22 17.3	-----	22 23.3	22 27.8	22 33	23 43	0.9
2298	June 5	4 33.4	4 42.6	4 58.6	5 11.6	5 24	8 10	11.2
2299	June 9	11 42.4	11 52.1	12 07.7	12 17.3	12 30	13 12	2.6
2300	June 10	2 50.1	-----	3 03.5	3 21	3 26	3 57	0.2
2301	June 12	15 47.7	-----	15 52.8	15 59	16 05	16 32	0.2
2302	June 15	3 20.6	-----	3 30.1	3 39.6	3 47	4 02	0.6
2303	July 2	18 50.5	18 58.3	19 07.0	19 15.6	19 30	20 26	1.3
2304	July 2	21 49.2	21 59.6	22 16.0	22 25.4	22 30	23 19	0.8
2305	July 6	3 09.2	3 17.0	3 28.0	3 34.0	3 37	4 10	0.5
2306	July 7	-----	-----	18 57.2	19 01.0	19 03	19 17	0.3
2307	July 7	-----	-----	20 28.5	20 33.5	20 41	20 44	0.2
2308	July 20	0 56.0	-----	1 00.0	1 05.0	1 13	1 49	0.2
2309	Aug. 3	-----	20 22.6	20 45.8	20 50.3	21 03	22 45	0.7
2310	Aug. 15	8 25.3	8 32.1	8 39.0	8 49.0	8 54	9 53	3.0
2311	Aug. 17	-----	-----	2 54.0	3 02.5	-----	3 08	0.2
2312	Aug. 20	-----	-----	17 48	-----	-----	20 10	-----

Register of earthquakes—Continued.



No.	Date.	P		S		L		M		C		Maximum amplitude	
		h	m	h	m	h	m	h	m	h	m	mm.	
	1920												
2313	Aug. 25	22	04.5	22	12.9	22	22.0	22	31.7	22	37	23 04	0.8
2314	Aug. 26	23	07.8	23	12.0	23	16.0	23	20.8	23	29	24 45	1.1
2315	Aug. 27	3	48.3	.....	.....	4	05.0	4	09.8	4	16	4 25	0.3
2316	Aug. 29	11	05.3	.....	.....	11	12.3	11	20.8	11	24	11 30	0.5
2317	Sept. 1	.....	.....	.....	.....	3	08.0	3	13.0	3	17	3 22	0.1
2318	Sept. 3	.....	.....	.....	.....	3	42.9	3	45.0	3	53	3 56	0.1
2319	Sept. 8	1	54.4	2	00.6	2	07	2	17.0	.....	.....	.....	1.1
2320	Sept. 9	19	04.8	19	12.3	19	21.0	19	26.8	19	58	22 04	1.7
2321	Sept. 10	22	21.6	.....	.....	22	26.0	22	32.0	22	37	23 12	0.1
2322	Sept. 20	14	48.6	14	56.3	.....	.....	15	10.1	16	26	21 56	35.0
2323	Sept. 21	2	51.4	.....	.....	2	58.6	3	09.2	3	12.5	3 47.2	1.1
2324	Sept. 21	5	21.0	.....	.....	5	31.5	5	36.0	5	41	6 06	0.2
2325	Sept. 21	17	56.9	18	01.0	18	04.0	18	13.3	18	17	19 11	0.4
2326	Sept. 23	5	48.3	5	52.8	5	55.8	6	11.7	6	13.9	6 57	0.2
2327	Sept. 24	.....	.....	22	16.5	22	29.1	22	36.8	22	39	23 30	0.9
2328	Oct. 1	.....	.....	.....	.....	19	16.6	19	22.0	.....	.....	19 29	0.1
2329	Oct. 3	5	35.1	.....	.....	.....	.....	5	35.9	.....	.....	5 59	0.3
2330	Oct. 7	21	03.0	21	17.4	21	35.9	21	43.9	21	50	23 12	0.2
2331	Oct. 8	.....	.....	17	10.0	17	18.0	.....	.....	.....	.....	17 25	0.1
2332	Oct. 10	.....	.....	.....	.....	20	28.8	20	35.0	.....	.....	20 39	0.1
2333	Oct. 15	14	28.6	.....	.....	14	37.4	14	47.7	15	00	15 57	0.3
2334	Oct. 18	8	20.3	8	27.3	8	39.0	8	45.8	8	54	10 30	3.3
2335	Oct. 20	10	13.4	10	23.3	10	38.4	10	59.1	11	11	11 27	0.4
2336	Oct. 20	19	57.1	20	00.0	20	08.0	20	14.8	20	17	20 24	0.1
2337	Oct. 22	11	07.0	11	09.8	11	18.7	11	30.0	11	33	.....	0.2
2338	Oct. 22	12	22.9	12	34.0	12	54.6	13	03.3	13	06	15 03	0.5
2339	Oct. 24	1	48.0	1	54.5	1	59.4	2	01.2	2	13	2 56	0.6
2340	Oct. 28	7	32.0	.....	.....	7	38.2	7	39.6	8	02	9 01	0.4
2341	Oct. 28	13	03.2	13	13.9	13	35.0	13	39.4	13	54	14 10	0.5
2342	Nov. 1	17	11.2	.....	.....	17	21.6	17	33.2	17	42	17 51	0.7
2343	Nov. 6	.....	.....	.....	.....	21	33.5	21	43.0	.....	.....	22 02	0.1
2344	Nov. 16	8	48.5	.....	.....	.....	.....	9	12.5	.....	.....	10 03	0.1
2345	Nov. 29	8	17.3	.....	.....	8	19.7	8	20.5	8	26	8 45	0.5
2346	Dec. 1	14	29.1	.....	.....	14	32.9	14	40.0	14	44	14 59	0.1
2347	Dec. 3	18	31.5	.....	.....	18	42.4	18	45.9	18	47	18 52	0.1
2348	Dec. 5	22	07.7	22	14.2	22	20.0	22	33.5	22	37	23 54	0.1
2349	Dec. 7	15	31.5	.....	.....	15	39.6	15	46.9	16	00	16 22	0.2
2350	Dec. 10	4	51.0	4	58.7	5	12.0	5	19.0	5	21.6	7 55	2.7
2351	Dec. 11	21	34.2	21	42.7	21	52.9	21	58.4	22	05	22 18	0.3
2352	Dec. 13	3	51.9	3	59.6	4	08.5	4	17.7	4	21	5 08	1.1
2353	Dec. 16	12	18.4	12	28.7	.....	.....	13	00.0	15	03	15 49	26.0
2354	Dec. 16	21	25.7	.....	.....	21	34.0	21	42.6	21	47	22 24	0.8
2355	Dec. 17	19	25.8	19	43.5	19	53.0	19	55.8	20	05	21 11	0.3
2356	Dec. 18	10	16.8	10	26.3	10	40.4	10	48.9	10	52	11 22	0.4
2357	Dec. 19	20	22.0	20	28.5	20	36.0	20	56.3	21	05	21 50	0.2
2358	Dec. 25	11	45.5	12	01.1	12	20.0	12	32.6	12	34	12 53	0.6

REMARKS.

- 2121. End overlaps next quake.
- 2122. Waves of large amplitude begin very abruptly.
- 2132. Felt by many persons in the Islands. First part of record a mere haze because of rapid motion of the ground.
- 2137. L doubtful. The waves so tabulated die out before the swell to maximum.
- 2148. L uncertain.
- 2150. P faint and uncertain.
- 2151. P doubtful; may occur earlier.
- 2152. S and L not well defined.
- 2157. Probably local.
- 2160. Another well-defined maximum at 7:47.
- 2163. Maximum amplitude probably 35 mm. Local tidal disturbance.
- 2166. Tremors continue several hours after C.
- 2170. The two phases tabulated as S are abrupt increases of amplitude. The times of phases are not consistent and may be there are the records of two quakes overlapping.
- 2171. The time for P given on the line with S and L is consistent with them. They may be two quakes.
- 2177, 2179. Local.
- 2182. Phases not sharply defined.
- 2189. Waves not clear.

2190. Another maximum at 23:51.9. S is not characteristic; it looks more like L.
2191. P Doubtful.
2193. Phases ill-defined.
2194. P may be microseismic.
2200. Began during daily care of instrument.
2201. Actual maximum (1.6 mm.) at 17:10.6. L uncertain.
2202. Tremors from about 13^h to 20^h.
2206. P is faint. The time given for S may be the beginning of a second shock. L may possibly come as early as 6:20.
2209. Preceded and followed by several hours of tremors.
2210. Followed about 20^m later by several series of waves and about 4 hours of tremors.
2211. Volcanic disturbance on Mauna Loa, Hawaii. Recorded on all three variometers of the magnetograph.
2213. Local, recorded on magnetograph.
2214. Several series of irregular waves.
2215. Secondary maxima at 22:39 and 23:48.
2217. Tremors continue to next quake.
2222. P and L uncertain.
2225. Local shock.
2226. Time marks missing. Times interpolated over a period of 17 hours.
2230. L uncertain.
2232. Time marks missing. Times interpolated over a period of 25 hours.
2234. Well-marked SR₁ at 14:32.0.
2235. Phases uncertain.
2238. Phases uncertain.
2241. Beginning confused by air tremors.
2242. Beginning confused by end of 2241.
2246. Another phase at 4:45.8 may be SR₁.
2247. Beginning and end obscured by tremors.
2248. The phase tabulated as P may be PR₁. - Air tremors at the beginning may hide P.
2250. Phases doubtful. The phase tabulated at L may be S and L may occur as late as 15:13.8.
2252. L is obscured by S waves.
2254. P and L are faint and uncertain.
2256. There appear to be two shocks, the second more severe than the first. The long waves of the second one recur at 14:03.
2261. The phases are well-marked impulses, though not consistent.
- 2264, 2265. The end of one and the beginning of the other overlap.
2266. P faint, L occurs about 5 minutes later than we should expect from the known distance of the epicenter.
2267. P and L uncertain.
2268. Phases well-marked but not consistent.
2269. Several waves of 30 sec. period occur, beginning at 23:14.5.
2276. P and S are sharp impulses of considerable amplitude (2.2 mm. for S), but L is not in harmony with them. There is a small but well-defined motion beginning at 12:17.0.
2277. A distinct phase at 19:02.2 may be SR₁. There is also a marked increase in activity at 19:05.1.
2280. Record faint and phases uncertain.
2281. Phases distinct impulses but not consistent.
2284. Beginning of L probably obscured by S.
2286. P faint. Actual maximum occurs just after S.
2291. L probably obscured by S waves.
2292. P uncertain.
2296. End observed by tremors lasting 6 hours.
2302. Beginning obscured by tremors.
2303. Another phase (probably SR₂) at 19:03.9.
2305. Another well-marked phase (probably SR₁) at 3:21.9. Actual maximum at 3:23.2.
2308. Tremors also at 5:35.6 and 12:51.5.
2309. Another phase at 20:39.8.
2312. Only end portion recorded on account of failure of driving clock.
2319. Driving clock stopped at 2:22.
2322. PR₁ at 14:51.4 and SR₁ at 15:00.8. L can not be distinguished from the S waves.
2330. P faint and uncertain. PR₁ at 21:10.5
- 2335, 2336. Phases not well defined.
2337. End overlaps 2338.
- 2338, 2339, 2340. P faint and uncertain.
2350. L may come as early as 5:07.9.
2353. L not apparent. A phase at 12:34.6 is probably SR₁.
2358. Phases indistinct. Another phase at 12:08.0.

