

PASADENA, LOCAL SHOCKS

No. 1

January, 1934

Date	P.S.T.	Lat.	Long.	Q	M	Remarks
1	17:45	33°35'	118°25'	C	2.5	San Pedro Channel
	23:04	36 05	117 57	C	2	Near Haiwee
2	01:59	33 20	115 35	D	2	San Andreas fault near Salton Sea?
3	07:29	33 34	117 59	A	2	March 10, 1933 source. Felt.*
	11:38			D	2	Riverside, Δ 12 km.
	20:01	33 34	117 59	B	2	March 10, 1933 source
4	01:48	33 47	118 08	B	2	Near Long Beach
	13:53	32 42	115 07	C	4.5	SE of Holtville. Felt at Yuma, Arizona
5	15:08	33 58	118 09	A	3	Near Downey. Felt in Los Angeles, etc.
6	00:51	33 ?	118 ?	D	2.5	San Pedro Channel?
	21:19			E	3	To the south, Pasadena Δ 650 km.?
7	20:32	33 34	117 59	D	2	March 10, 1933 source. Felt.*
	20:34	33 34	117 59	D	2	March 10, 1933 source. Felt.*
8	12:15	33 59	117 38	B	2.5	Vicinity of Chino
	14:17	33 47	118 08	A	2	Near Long Beach
	23:43			D	4	Nevada?
9	02:46	33 05	117 50	C	2	Off coast of San Diego County
	03:40	33 55	117 50	C	2	Near Olinda
	04:48	35 08	120 05	C	3	San Luis Obispo County
	06:10	34 06	117 41	A	4.5	Near mouth of San Antonio Canyon. Felt. About 15 aftershocks recorded during January
	07:44	35 50	117 39	B	3.5	Near Inyokern
10	14:47			C	2	Small shock near Riverside (Δ 14 km. approx)
	16:28			D	4.5	Gulf of California? La Jolla Δ 395 km.?
	16:38	35 00	117 00	C	2.5	Mojave Desert
	16:42			D	4	Aftershock of 16 ^h 28 ^m
11	01:31			D	3	Lower California
	01:56			D	3.5	Aftershock of 16 ^h 28 ^m
	17:26	32 30	115 00	D	4	Volcano Lake district?
	22:57			C	2	Small shock west of Riverside approx. 14 km.
12	05:19	33 35	118 35	D	3	San Pedro Channel?
13	03:55			D	3	Nevada?
	14:26	33 30	116 55	C	3.5	Agua Caliente fault. Felt.
	21:17	33 58	118 35	C	2	Southwest of Los Angeles. Felt
14	04:52	33 34	117 59	D	3	March 10, 1933 source. Felt.*
	15:36			D	4	Gulf of California
15	03:30	33 34	117 59	C	2	March 10, 1933 source. Felt.*
	03:35	33 34	117 59	C	2.5	March 10, 1933 source. Felt.*
	20:59	33 45?	116 40?	C	2	Near Palm Springs?
16	09:50	34 06	117 41	A	2.5	Aftershock of January 9, 06:10
	22:43	34 06	117 41	A	3	Aftershock of January 9, 06:10. Felt.
17	18:14	34 06	117 41	A	4	Aftershock of January 9, 06:10. Felt.
	18:44			D	3	Near head of the Gulf of California
	19:32			D	3	Near head of the Gulf of California
18	06:44			D	2.5	Near head of the Gulf of California
19	15:09	33 35	118 25	C	2.5	San Pedro Channel
20	02:28	33 34	117 59	D	2.5	March 10, 1933 source. Felt*
	13:17	33 37	118 07	B	4.5	San Pedro Channel. Felt
24	00:08	33 30	116 55	B	2.5	Agua Caliente fault
25	06:38	34 45	116 28	B	2.5	Mojave Desert between Newberry and Ludlow
	14:46	33 58	118 20	B	2	Felt in West Los Angeles
	20:31	33 34	117 59	A	2.5	March 10, 1933 source. Felt*

No. 2

PASADENA, LOCAL SHOCKS

January, 1934

Date	P.S.T.	Lat.	Long.	Q	M	Remarks
26	03:38	33°55'	116°10'	B	1.5	Foreshock of 04:21
	04:01	33 55	118 10	B	2	Foreshock of 04:21
	04:21	33 55	118 10	B	2.5	Felt at Bell, etc.
	10:44	34 05	116 20	C	4	Little San Bernardino Mts.
	12:41	34 50	116 40	C	2	Near Newberry
	15:09	33 35	118 10	C	3	March 10, 1933 source. Felt*
	20:05			D	3.5	Nevada
27	20:28	32 00	116 30	C	3	Lower California
29	16:15	33 55	118 00	C	2	March 10, 1933 source?
	19:12			D	4.5	Nevada
30	11:17			D	3	Nevada
	11:24				5.5	Strong at Mina, Nevada
	12:17				6	Main Nevada shock. Approximately 40 aftershocks registered on Pasadena instruments up to January 31 ^d 24 ^h
	20:06	33 58	118 20	C	2	Inglewood fault.
31	13:58	33 33	117 48	B	2	Near Laguna Beach, California

*Reported felt by Martin G. Murray
Huntington Beach, California

PASADENA, LOCAL SHOCKS
February, 1934

Date	P.S.T.	Lat.	Long.	Q	M	Remarks	
1	08:09	34°33'	119°32'	B	3.5	Near Santa Barbara	
	10:34				4.5	Nevada	
	20:06				4+	Nevada	
	21:59				4.5	Nevada	
2	22:50	34 06	117 41	B	2	January 9, 06:10 source	
	17:16				4	Nevada	
	18:33				4.5	Nevada	
3	20:21				4	Nevada	
	06:38				4	Nevada	
	08:31				4.5	Nevada	
4	10:04	33 47	118 08	B	4	Nevada	
	10:34				4.5	Nevada	
	18:20				3.5	Near Long Beach. Felt.	
	03:00				4	Nevada	
6	07:23	33 30	116 50	B	4	Nevada	
	12:33				2.5	Agua Caliente Fault	
	19:10				3+	Arroyo Honda? Fresno County	
7	22:18	33 30	116 30	C	4	Nevada	
	01:27				3+	San Jacinto Fault	
	02:40				4	Nevada	
8	15:07	33 35	118 30	C	4	Nevada	
	03:43				2	San Pedro Channel	
	21:15				2.5	San Andreas Fault near Salton Sea?	
9	21:58	33 47	118 08	B	2	Near Long Beach	
	22:23	33 02	115 58	C	2.5	San Jacinto Fault west of Brawley	
	22:25	33 02	115 58	C	2	San Jacinto Fault west of Brawley	
	01:20	33 42	118 07	A	5.5	Nevada	
	03:09				4	Nevada	
10	02:52				2.5	Off Seal Beach	
	04:36				4.5	Nevada	
11	05:13	32 30	115 20	C	5-	Nevada	
	05:09				D	3.5	Volcano Lake District, Lower California?
	07:15				C	3.5	Felt at El Centro
	07:16				C	2	Near Santa Barbara. See Feb. 1, 08:09
	10:01				C	4	Felt at El Centro
	13:04				B	3	Riverside Δ approx. 22 km.
	20:28				B	2.5	Santa Monica Bay
13	22:01	33 57	118 38		5	Nevada	
	04:39				4.5	Nevada	
	18:07				2.5	Inglewood Fault	
14	09:42	33 46	117 47	B	3+	Near El Modeno, Orange County	
	13:57	33 50	118 05	B	2	Norwalk Fault zone	
	22:03	33 47	118 08	C	2.5	Near Long Beach	
15	14:13	33 30?	119 10?	D	2.5	Outer Santa Barbara Channel?	
	17:55				4.5	Nevada	
16	15:36	33 25	117 10	C	3	Southwest of Temecula	
17	18:49	33 47	118 08	C	2.5	Near Long Beach	
	19:21				4.5	Nevada	
18	14:43			D	3.5	Head of the Gulf of California	
19	01:44	33 34	117 59	B	2	March 10, 1933, source	
	03:59				B	2.5	Near Riverside
	16:53				D	3	Santa Barbara Δ approx. 30 km.
	21:37				5	Nevada	
	23:05				4	Nevada	

No. 4

PASADENA, LOCAL SHOCKS
February, 1934

Date	P.S.T.	Lat.	Long.	Q	M	Remarks
20	02:35	33°28'	116°58'	B	4	San Jacinto Fault zone, near Anza
	03:27	33 23	115 36	B	2.5	San Andreas Fault, east shore of Salton Sea
	12:21				4	Nevada
21	05:57			E	3.5	S.E. of Pasadena 300 km.??
22	00:17	34 23	116 31	C	3	N.E. base of San Bernardino Mts.
	11:40	33 33	117 48	B	2	Near Laguna Beach
23	17:11	34 05	116 28	B	3.5	Little San Bernardino Mts.
24	20:46	32 ?	116 ?	D	3.5	Lower California
28	14:48	33 57	118 23	B	2	Inglewood Fault, S.W. of Inglewood

PASADENA, LOCAL SHOCKS

No. 5

March, 1934

Date	P.S.T.	Lat.	Long.	Q	M	Remarks
1	05:07	36°08'	117°58'	B	2.5	Near Haiwee
	12:25	33 05	115 59	B	3	San Jacinto fault at Carrizo Creek
2	05:17	32	116	D	3	Lower California
	11:40	33 17	116 23	B	3	West of Clark Lake
	13:18	33 05	115 59	B	3.5	San Jacinto fault at Carrizo Creek
	13:30	33 05	115 59	B	4.5	San Jacinto fault at Carrizo Creek. Felt.
3	05:48	33 34	117 59	C	2	Off Newport Beach. Felt.
	07:05	33 37	118 02	B	3.5	Off Huntington Beach. Felt.
	07:17	33 37	118 02	D	2	Aftershock of preceding? Felt.
	12:45	33 38	118 12	B	3	San Pedro Channel
4	00:49			D	2	Probably off Newport Beach
5	14:03	33 00	118 23	C	3	Near San Clemente Island
6	00:52	33 51	118 10	B	2	Near Clearwater
	02:53	35 35	117 05	C	2.5	Garlock fault southern end of Panamint Valley
	13:46	33 49	118 25	C	2.5	Santa Monica Bay
8	00:31	31	115	D	3	Near head of the Gulf of California
	10:13	33 34	117 59	C	2	Off Newport Beach
	12:34	33 59	118 23	B?	2	Near Inglewood?
9	11:42	33 47	118 08	C	2	Near Long Beach
	21:29	33 47	118 08	C	2.5	Near Long Beach
10	00:10			E		Pasadena Δ 700 km. approx.?
	01:52	33 40	118 10	C	2.5	San Pedro Channel
	15:03	33 57	118 38	C	3.5	Santa Monica Bay. Felt.
	17:59	33 00	116 15	C	3	Agua Caliente fault
	20:12	33 00	116 15	C	2.5	Agua Caliente fault
11	18:50			D	3	Lower California
13	08:11	38	118	D	4.5	Nevada
	08:20	38	118	D	5	Nevada
16	04:52	33 43	118 05	B	2.5	Near Seal Beach
	04:54	33 43	118 05	B	2	Near Seal Beach
	04:55	33 43	118 05	B	2.5	Near Seal Beach
17	05:54	34 00	116 20	B	2	Little San Bernardino Mountains
19	02:41	38	118	D	4.5	Nevada. Slightly more distant than usual
20	03:48	36	120	D	3	Felt at Spreckels and Hollister, Calif (CGS)
21	02:01			D	4.5	Gulf of California. Pasadena Δ approx. 500 kms.
23	14:49	38	118	D	4.5	Nevada
24	20:40	34 20	118 55	B	3	Moorpark district, Ventura County
25	07:55	33 42	118 04	B	2.5	Off Bolsa Chica
26	17:35			D	2.5	Probably same as March 20 ^d 03 ^h 48 ^m
28	01:36	38	115	D	4	Nevada, north of Las Vegas
	08:30	34 02	117 19	B	2	Near Riverside
29	10:12	33 42	117 55	B	2	S.E. of Westminster
	13:52	38	115	D	4	Nevada, north of Las Vegas
30	08:26	37 40	115 20	C	4.5	Nevada, north of Las Vegas
	10:51			D	4	Same as preceding
	16:11			D	4.5	Same as preceding
31	00:24?			D	4	Same as preceding
	14:13			D	4	Same as preceding

PASADENA, LOCAL SHOCKS

No. 6

April, 1934

Date	P.S.T.	Lat.	Long.	Q	M	Remarks
1	23:01	32°	115°	D	3.5	Lower California
2	00:05	38	118	D	4.5	Nevada
3	09:53	32	115	D	4	Lower California
	18:08	33 35	116 40	C	2.5	San Jacinto fault
	19:00	33 05	116 00	C	2.5	Imperial Valley
	19:57	33 05	116 00	C	2.5	Imperial Valley
	21:24	32 30	115 30	D	3	Lower California
5	14:34	33 50	118 30	B	2.5	Santa Monica Bay. Felt
6	19:36	33 42	118 07	B	3	Off Seal Beach. Felt (CGS)
7	04:06	33 35	118 00	B	2.5	Off Newport Beach. Felt (CGS)
	05:43	33 10	116 05	C	3	San Jacinto fault west of Salton Sea
	16:45	33 50	118 30	C	2.5	Santa Monica Bay
8	02:14	33 30	116 55	B	3	Agua Caliente fault north of Aguanga
	06:15	33 46	117 47	B	3	Near El Modeno. Felt (CGS)
	06:20				1.5	Probably same as preceding
	06:24				1.5	Probably same as preceding
	09:17	34 00	116 20	C	3	Little San Bernardino Mountains
10	06:45			D	2.5	San Andreas fault vicinity Indian Wells
	13:51	32 27	115 37	C	3.5	Lower California, Agua Caliente fault
	14:05	32 27	115 37	C	3.5	Lower California, Agua Caliente fault
	19:51	33 30	116 10	D	2.5	San Diego County, probably Agua Caliente fault
	22:03	34 20	118 55	B	2.5	Moorpark district, Ventura County
13	02:55	35 05	116 14	B	4	Mohave River Sink
	23:52	32 50	115 41	B	3	San Jacinto fault. Probably shock reported felt at Brawley at 23 ^h 30 ^m (CGS)
15	04:09	38	115	D	5	Nevada
	14:46	33 34	117 59	B	2.5	Off Newport Beach
	16:31	33 43	118 05	B	2.5	Off Bolsa Chica
	19:48	33 42	118 04	B	2	Off Bolsa Chica
	22:37	33 45	118 10	C	2	Near Long Beach. Felt (CGS)
16	04:54	33 45	118 10	C	1.5	Near Long Beach. Felt (CGS)
	10:16			D	4.5	Gulf of California, Pasadena Δ 675 km. approx.
	16:09	33 34	117 59	C	2	Off Newport Beach
	19:03	33 35	117 50	C	2	Near Laguna
	19:50	38	115	D	4	Nevada
17	03:36	33 47	118 08	B	2.5	Near Long Beach
	06:46	38	115	D	4	Nevada
	09:16	33 34	117 59	C	2.5	Off Newport Beach
	10:30	33 34	117 59	C	2	Off Newport Beach
	10:33	33 34	117 59	C	4	Off Newport Beach
	10:46	33 34	117 59	C	1.5	Off Newport Beach
	14:16	33 34	117 59	C	2	Off Newport Beach
	17:46	33 34	117 59	C	2	Off Newport Beach
	18:48	38	118	D	4	Nevada
19	23:38	33 47	118 08	C	3	Near Long Beach
20	17:20	32	115	D	3.5	Lower California
	20:18	33 57	118 08	B	2	Norwalk fault, north of Downey. Felt (P; CGS)
21	06:21	33 34	117 59	B	2	Off Newport Beach
	15:18	39	117	D	4	Nevada
	15:22	39	117	D	4.5	Nevada
22	02:11	34 02	117 19	B	2	Near Riverside
	03:54			D	2	Off Newport Beach ?
	04:33	33 34	117 59	B	2	Off Newport Beach
	14:04	33 34	117 59	B	2	Off Newport Beach
	16:49			D	2	Probably off Newport Beach

PASADENA, LOCAL SHOCKS

No. 7

April, 1934

Date	P.S.T.	Lat.	Long.	Q	M	Remarks
23	08:08	37°	122°	D	4	Felt Santa Cruz County, etc. (CGS)
	13:19	37	121	D	3.5	Felt Spreckels, Hollister (CGS)
	18:10	33 25	118 10	D	2.5	Outer San Pedro Channel
25	08:58			D	2	Off Newport Beach ?
26	04:52	37 10	118 17	B	3	Near Tinomaha
	06:48	33 30	116 29	C	2.5	San Jacinto fault east of Cahuilla
27	02:47	32	116	D	3	Lower California
	10:36	33 23	115 36	C	3.5	East of Salton Sea
30	05:33	33 15	119 10	C	2.5	Vicinity of Buena Vista Lake

PASADENA, LOCAL SHOCKS

No. 8

May, 1934

Date	P.S.T.	Lat.	Long.	Q	M	Remarks
1	12:33	33°47'	117°55'	B	1.5	Approximately 5 km. west of Orange, Calif.
	13:33	33 00	116 15	B	3	Agua Caliente fault southeast of Verruga
2	18:26			D	2	Off Newport Beach?
3	18:06	33 48	118 17	C	2	Near Bixby Slough
	20:37	33 10	116 28	B	3	Agua Caliente fault near Verruga
	23:45	33 47	117 55	C	2	Sec 1 ^d 12 ^h 33 ^m
4	16:04	33 34	117 59	B	2	Off Newport Beach
5	05:18	33 47	118 08	D	2	Near Long Beach?
	20:42	33 52	117 38	B	2	Near Prado
6	12:14	35 50	120 45	B	3.5	Monterey County
	17:39	33 59	118 23	B	2	Inglewood fault, southwest of Los Angeles
	21:03	35 40	119 18	B	3.5	Vicinity of McFarland, Kern County
7	17:06	34 04	117 01	B	2	San Andreas fault east of Redlands
8	01:46	34 04	117 01	B	2.5	" " " " " "
	19:51	33 47	116 40	C	2.5	San Jacinto Mountains
	23:24	33 47	118 08	B	2	Near Long Beach
9	18:48	33 47	118 08	B	3	" " "
	19:28	33 47	118 08	B	2	" " "
10	03:28	34 30	119 35	C	3	Approx. 25 km. northeast of Santa Barbara
	05:10	32 05	116 20	C	3	Lower California
	09:48	33 34	117 59	B	2	Off Newport Beach
11	05:52	33 47	118 08	B	2.5	Near Long Beach
	17:50	34 10	117 05	B	2.5	35 km. northeast of Riverside
	21:33	33 37	118 02	C	1.5	Off Huntington Beach
12	02:51	33 37	118 02	C	1.5?	" " "
13	14:33	33 47	118 08	B	2.5	Near Long Beach. Felt (CGS)
14	05:14	31 00	114 30	D	5.5	Near head of Gulf of Calif. Felt at Yuma, Ariz.
	06:47	32 05	116 20	C	2.5	Lower California
	08:35	32 05	116 20	C	3	" "
15	09:06	33 05	116 10	C	2.5	Agua Caliente fault zone, southeast of Verruga
16	02:23	34 06	117 44	B	2	Near mouth of San Antonio Canyon
18	06:38	33 45	117 35	C	2.5	Southeast of Riverside
	22:37	34 35	120 45	D	3	Off Pt. Arguello? Santa Barbara. $\Delta = 100$ km.
19	03:28	33 34	117 59	C	2	Off Newport Beach
20	01:43	34 04	116 44	B	3.5	San Bernardino Mts., Mill Creek fault.
	05:50	33 34	117 59	C	2	Off Newport Beach
21	19:37	33 12	116 26	B	2.5	East of Verruga. Agua Caliente fault zone.
22	00:52	33 34	117 59	C	1	Off Newport Beach
	22:31	32 20	116 30	D	3	Lower California
23	11:10	33 37	118 02	B	2	Off Huntington Beach
	14:22	33 55	118 20	B	3	Southwest of Los Angeles. Felt
	22:52	34 25	119 45	C	2.5	Near Santa Barbara
24	01:04	34 25	119 45	C	2.5	" " "
	03:18	34 25	119 45	C	2	" " "
	05:09	34 03	116 26	B	2	Little San Bernardino Mts.
	18:28	33 54	117 29	B	2	Near Arlington, Riverside County
25	11:05	33 47	118 08	B	2.5	Near Long Beach
	12:43	33 37	118 25	B	2.5	San Pedro Channel.
	16:19	33 33	118 21	B	2.5	" " "
26	07:46	33 52	117 38	C	2.5	Near Prado
27	19:32	31	114	D	4	Gulf of California
28	09:31	33 30	116 35	C	2.5	San Jacinto fault, vicinity of Cahuilla Valley
	15:12			D	4.5	Gulf of California
	15:20			D	3.5	" " "
	15:21			D	5	" " "
	15:41			D	4?	" " "
29	18:58	34 20	117 04	B	2	San Bernardino Mountains
30	05:04	34 00	116 20	C	2	Little San Bernardino Mountains
	16:11	33 52	117 20	B	2.5	Northwest of Perris, Riverside County
31	21:55	38	118	D	4	Nevada
	23:06	33 42	118 04	B	2	Off Bolsa Chica

PASADENA, LOCAL SHOCKS

No. 9

June, 1934

Date	P.S.T.	Lat.	Long.	Q	M	Remarks
2	10:49			C	2	Near Riverside
	13:15	33°12'	116°10'	C	3	Agua Caliente fault, San Diego County
5	03:47	35 48	120 20	B	3	San Andreas fault, near Parkfield, Monterey Co.
	05:46	35 48	120 20	C	3	" " " " " "
	13:48	35 48	120 20	B	5	" " " " " "
	14:52	35 48	120 20	C	4	" " " " " "
	16:55	35 48	120 20	C	3	" " " " " "
6	08:40	35 48	120 20	C	3.5	" " " " " "
	14:14	40	121	D	4.5	Felt in Plumas and Lassen Counties (CGS)
	14:40	35 48	120 20	C	3.5	Near Parkfield
7	12:51	39	116	D	4	Nevada
	20:30	35 48	120 20	B	5	Near Parkfield
	20:47	35 48	120 20	B	6	" " , damage at and near Parkfield
	21:23	35 48	120 20	C	3.5	" " " " " "
	21:36	35 48	120 20	C	3	" " " " " "
	21:42	35 48	120 20	B	4.5	" " " " " "
	23:50	33 45	119 05	C	2.5	Santa Barbara Channel
8	01:30	35 48	120 20	B	4	Near Parkfield
	07:30	35 48	120 20	C	3.5	" " " " " "
	15:23	35 48	120 20	B	4	" " " " " "
9	04:50	33 47	118 08	B	3	Near Long Beach
	22:47	35 48	120 20	C	3	Near Parkfield
10	00:03	35 48	120 20	B	4.5	" " " " " "
	19:25	35 48	120 20	C	3	" " " " " "
12	02:47	35 48	120 20	C	3.5	" " " " " "
	06:15			D	4.5	To the southeast, probably Gulf of California
	12:27	38	118	D	4	Nevada
	17:50	33 37	118 02	C	2.5	Off Huntington Beach
	20:38	33 43	118 05	B	2	Off Bolsa Chica
14	05:39			1	1	Felt at Huntington Beach
	06:30			1	1	" " " " " "
	06:55	35 48	120 20	C	4	Near Parkfield
	07:54	35 48	120 20	C	4	" " " " " "
	11:26	35 48	120 20	C	4.5	" " " " " "
	14:02	35 48	120 20	C	3.5	" " " " " "
	20:48	35 48	120 20	C	3	" " " " " "
16	15:03	36.5	121	D	4	Felt, Salinas (P)
	18:43	33 09	119 27	B	4	Near San Nicolas Island
17	21:07	38	116	D	4	Nevada
19	03:53	33 34	117 59	C	2	Off Newport Beach. Felt (CGS)
	18:54	32 32	116 11	C	3	Lower California
20	12:28	33 34	117 59	B	2.5	Off Newport Beach
21	18:24	33 34	117 59	C	3	Off Newport Beach. Felt (CGS)
	18:37			D	3.5	Lower California. La Jolla Δ 180 km. approx.
22	00:26	33 34	117 59	C	2	Off Newport Beach. Felt (CGS)
23	02:53	33 02	116 30	C	3.5	Elsinore fault. Felt, Warner Springs, Ramona (CGS)
24	22:08	33 15	116 30	C	3	Agua Caliente fault
25	02:57	33 52	117 38	B	2	Near Prado
	17:22	33 50	116 10	C	3	San Andreas fault, north of Indio
26	07:50	33 47	118 08	B	2	Near Long Beach
27	10:25	33 58	117 33	B	2.5	Near Riverside
	16:15	33 47	118 08	C	3	Near Long Beach. Felt in Long Beach (CGS)
28	05:55	33 40	117 55	C	2	Vicinity of Westminster. Felt (CGS)
30	22:03	35 49	117 39	C	2.5	Inyokern Valley

PASADENA, LOCAL SHOCKS
July and August, 1934

Date	P.S.T.	Lat.	Long.	Q	M	Remarks
July						
1	00:45	33°38'	118°12'	B	2.5	Off San Pedro
	12:58	33 45	118 05	B	2.0	Near Seal Beach
2	10:44	35 48	120 20	B	3	Near Parkfield
3	11:46	36 12	117 43	B	2.5	Near Darwin, Inyo County
5	07:05	32 45	116 25	C	3	San Diego County
	18:36	33 50	118 16	C	2	Inglewood fault near Nigger Slough
6	11:26	33 37	118 02	B	2	Off Huntington Beach. Felt (CGS)
	15:57	35 15	118 15	C	2	North of Mojave
	21:09	33 09	119 27	B	3	Near San Nicolas Island
10	03:36	33 47	118 08	C	1.5	Near Long Beach
12	22:32	35 05	118 40	C	2.5	Southeast of Bakersfield
13	05:56			D	5	Northern California
17	03:38	32	115	D	4	Probably near head of Gulf of California
21	15:46	33 33	117 48	C	2	Near Laguna Beach
	23:18	33 37	116 50	C	3	San Jacinto fault
23	13:59	32 27	115 37	C	3.5	Near Calexico. Felt (P)
24	16:20	33 30	116 55	B	2.5	Northwest of Aguanga, Riverside County
25	15:07	33 38	118 12	B	2	Off San Pedro. Felt (CGS)
29	05:58	33 58	118 30	C	1.5	Santa Monica Bay
	21:19	33 15	116 30	C	3.5	Agua Caliente fault. Felt (P, CGS)
	23:12	34 20	118 20	C	1.5	Northwest of Pasadena
30	02:03	34 20	118 20	C	2	" "
	03:01	33 15	116 30	C	2.5	Agua Caliente fault
31	04:47	33 35	117 22	B	2.5	Elsinore fault, near Elsinore
	21:22	32 27	115 37	C	3	Near Calexico. Felt (CGS)
	21:38	32 27	115 37	C	3	" " Felt (CGS)
August						
2	15:36	33 18	118 05	B	2.5	Outer San Pedro Channel
3	16:18	35 48	120 20	B	3	Near Parkfield
5	06:32	34 18	118 52	B	2	Vicinity of Moorpark, Ventura County
	21:54	34 07	118 45	B	2.5	Santa Monica Mts. near Cornell, L. A. Co.
	22:31	34 07	118 45	B	2	Near Cornell
6	00:33	34 07	118 45	B	2	" "
	15:25	33 57	118 38	B	2	Santa Monica Bay
11	09:20	33 30	116 55	C	2.5	North of Aguanga, Riverside Co. Location doubtful
	13:53	34 23	116 31	C	3	Mojave Desert
12	03:07	33 52	117 38	B	1.5	Near Prado, Riverside Co.
	11:08	33 09	116 35	C	2	Near Verruga, San Diego Co.
	16:57	32 53	117 30	C	2.5	Pacific Ocean off La Jolla. Felt in San Diego
13	19:20	33 08	116 05	C	2.5	San Jacinto fault west of Salton Sea
14	03:29	33 08	116 05	C	3.5	Location uncertain
15	15:55	33 44	116 40	C	2.5	Near Palm Springs
16	11:34	33 54	118 18	B	2	Inglewood fault southwest of Los Angeles
	19:02	34 12	116 58	C	2.5	San Bernardino Mts.
18	07:01	31 40	115 05	C	4.5	Near head of Gulf of California
	08:51	36 24	118 00	C	3	West shore of Owens Lake
	17:09	36 24	118 00	B	3.5	" " " "
	18:54	36 24	118 00	B	3.5	" " " " Felt at Keeler (CGS)
	19:30	36 24	118 00	B	3.5	" " " " " " "
19	09:33	33 52	118 20	C	2.5	S.W. of Los Angeles, Inglewood fault
	10:07	34 06	117 41	B	2.5	Vicinity of Chino
	11:28	34 12	116 21	C	2	Mojave Desert
	18:25	33 57	118 38	C	2.5	Santa Monica Bay
20	03:53	36 24	118 00	C	3	West shore of Owens Lake
21	15:38	33 34	117 59	C	2	Off Newport Beach
	16:26	33 48	118 00	B	2	Vicinity of Stanton, Orange Co.

PASADENA, LOCAL SHOCKS
July and August, 1934

Date	P.S.T.	Lat.	Long.	Q	M	Remarks
August						
23	02:52	36 24	118 00	C	3	West shore of Owens Lake
	03:42	33 05	116 00	C	2.5	San Jacinto fault at Carrizo Creek
	09:43	36 24	118 00	B	3	West shore of Owens Lake
	14:35	34 36	118 34	B	2	R16W T6N. North of Castac
24	23:06	33 34	117 59	B	2	Off Newport Beach. Felt.
25	05:09	38.5	119	D	4	Nevada
	05:51	33 ?	117 ?	D	1.5	Felt near Huntington Beach
	10:52	34 25	119 45	C	2.5	Near Santa Barbara
	19:02	35 34	119 51	B	3	East of Lost Hills
	21:39	33 59	118 23	C	1	Inglewood fault southwest of Los Angeles
26	06:03	33 59	118 23	B	2	" " " " "
	08:03	33 59	118 23	B	2	" " " " "
	10:17	33 59	118 23	B	1	" " " " "
	18:13	33.7	119.0	D	1.5	North of Santa Barbara Island?
27	22:35	33 33	118 20	B	2	San Pedro Channel
	04:36	33 57	117 39	B	3	West of Arlington, Riverside Co.
	07:03	34 48	117 05	B	2	Southwest of Barstow
28	19:53	30	117	D	3.5	Approx. 175 km. south of La Jolla
	10:54	34 06	116 53	C	2	San Bernardino Mts. Location uncertain
29	06:51	33 37	118 02	B	2	Off Huntington Beach
	19:07	33 59	118 23	C	1.5	Location uncertain
	22:18	33 59	118 23	C	2.5	Inglewood fault s.w. of Los Angeles. Felt (CGS)
30	00:18	33 20	116 40	C	2.5	Near Warner's Springs
	04:50	34 04	117 35	B	3.5	Near Cucamonga. Felt (CGS, P)
	05:40	34 04	117 35	B	2	" "
	09:58	33 50	117 50	C	1.5	Near Olive?
31	04:23	33 23	118 18	C	2	Near Avalon, Santa Catalina Island. Blast?
	04:54	34 02	117 19	B	2	Near Riverside. Felt (CGS, P)

PASADENA, LOCAL SHOCKS

No. 12

September, 1934

Date	P.S.T.	Lat.	Long.	Q	M	Remarks
2	01:46	33°42'	118°04'	C	2	Off Bolsa Chica
	02:16	33 25	116 20	C	3	San Jacinto fault west of Salton Sea
	21:45	34 06	116 53	B	2	San Bernardino Mts.
5	22:57	39	118	D	4	Nevada
6	00:55	33 34	117 59	B	2	Off Newport Beach
	01:16	30	113	D	5	Approx. 500 km. southeast of La Jolla
	02:51	30?	113?	D	5	" " " " " "
	03:06	30?	113?	D	4	" " " " " "
	15:24	36 00	120 33	C	3	San Andreas fault near Stone Canyon
	17:33	33 37	118 02	B	2.5	Off Huntington Beach
7	02:02	33 ?	117 ?	C	1.5	Vicinity of Richfields, Orange County?
8	10:04	33 ?	117 ?	C	1.5	Vicinity of Richfields?
	19:56	34 06	116 53	C	2?	San Bernardino Mts. Doubtful location
10	15:25	33 ?	117 ?	C	1.5	Near Richfields? Off Newport Beach?
11	02:44	33 37	118 02	B	2	Off Huntington Beach
12	00:56	33 04	116 39	C	2	Near Julian, San Diego County
	03:29	36 08	118 48	B	3	Near Springville, Tulare County. Felt at Porterville (CGS)
	10:49	33 33	117 48	C	1.5	Off Laguna Beach?
13	00:08	33 47	118 08	C	2	Near Long Beach
	02:36	33 34	117 59	B	3.5	Off Newport Beach. Felt: Huntington Beach, Balboa (CGS)
	10:40	38 ?	118 ?	D	4	Nevada
15	22:12	33 50	119 20	C	2	South of Anacapa Is. Doubtful location
16	06:38	35 50	120 20	C	3.5	Vicinity of Parkfield, Monterey County
	18:18	33 34	117 59	C	2	Off Newport Beach
17	02:21	34 10	118 43	C	2.5	Near Cornell, Los Angeles County
18	14:27	33 55	117 35	B	3	Near Whitewater, Riverside County
20	03:10	37 25	118 20	C	3	Mono County
	17:05	33 52	117 38	B	2	Elsinore fault, near Prado
	17:33	33 42	118 04	B	2	Off Bolsa Chica
	23:06	33 34	117 59	C	2	Off Newport Beach. Felt at Huntington Beach (CGS)
21	22:45	33 55	118 02	C	1	Whittier fault. Location doubtful
22	02:36	33 01	116 20	C	3	Agua Caliente fault, southeast of Verruga
23	07:20	30?	114?	D	4	Near head of Gulf of California
	11:47?	30?	114?	D	4.5	" " " "
	19:20	39	117	D	4	Nevada
24	05:46	33 37	118 02	C	2	Off Huntington Beach
	23:14	39	117	D	4	Nevada
26	05:01	33 10	116 10	C	2.5	San Jacinto fault, east of Salton Sea
27	13:40	32 05	116 40	C	4	Lower California
	23:28	34 59	118 35	B	2	Garlock fault, south of Tehachapi, Kern County
28	08:00	33 15	118 10	C	2.5	Southeast of Catalina Island
	11:13	33 15	118 10	C	2.5	" " " Blast?
29	14:58	33 52	117 38	C	1.5	Near Prado. Doubtful location
30	00:37	35 50	117 39	C	2	Inyokern Valley
	03:39	33 37	118 02	C	2	Off Huntington Beach
	20:54	34 35	116 44	B	2	Mojave Desert south of Newberry
	21:20	33 25	117 30	C	2	Near San Onofre. Doubtful location

PASADENA, LOCAL SHOCKS

No. 13

October, 1934

Date	P.S.T.	Lat.	Long.	Q	M	Remarks
1	11:20	33°14'	116°28'	C	3	Agua Caliente fault near Verruga
	12:15	33 42	117 50	B	3	Near Tustin, Orange County
	15:50	33 34	117 59	B	2.5	Off Newport Beach
2	04:41	32 40	116 30	C	3.5	Near Campo, San Diego County
	06:25	33 57	117 33	B	3	Near Riverside
	12:20	37.6	122.8	D	4	Felt, San Francisco Bay region (P)
	12:30	37.6	122.8	D	4	" " " " " (P)
3	17:37	33 50	117 40	C	2	Near Prado, Riverside County
	19:40	33 50	117 40	B	2.5	" " " "
4	15:47	33 50	117 40	C	2	" " " "
5	11:00	33 57	117 33	B	2	Near Riverside
	20:03	33 37	118 02	B	2.5	Off Huntington Beach. Felt near there (CGS)
6	16:18	34 33	120 47	C	3.5	Off Point Arguello
	18:11	33 37	118 02	C	2	Felt near Huntington Beach (CGS)
7	07:33	33 42	118 05	B	2	Off Bolsa Chica
	20:57	34 30	119 35	C	2	Near Santa Barbara
8	12:08	33 57	117 33	C	1.5	Near Riverside
9	09:57	32 30	116 10	C	3	Lower California
	19:43	32 30	116 10	D	3	" "
10	02:52	34 33	120 47	C	3	Off Point Arguello
	15:03	33 46	118 07	B	2	Near Long Beach
12	01:02	33 45	117 53	C	1.5	Near Westminster. Felt near Huntington Beach (CGS)
	08:44	32	116	D	3.5	Lower California
13	00:22	33 37	118 02	D	1.5	Off Huntington Beach. Felt near there (CGS)
	01:22	33 44	117 23	B	2	Northwest of Elsinore
	06:06	34 49	119 00	B	2.5	San Andreas fault west of Tejon Pass
14	17:02	32	116	D	3	Lower California
	16:20	30	114	D	4	Gulf of California?
	18:00	30	114	D	4	" "
	18:04	30	114	D	4	" "
15	19:59	32 27	115 37	C	3.5	Lower California. Felt at El Centro
16	00:14	33 38	118 10	B	2	San Pedro Channel
	15:12	39?	118?	D	4	Nevada?
17	01:38	33 38	118 24	B	4	San Pedro Channel. Felt generally Venice, Los Angeles, Long Beach area. (P,CGS)
	23:06	33 47	118 18	B	2	Near Nigger Slough
18	02:07	33 46	118 06	B	3	Near Long Beach. Felt Venice, Long Beach, West Los Angeles area (P,CGS)
19	07:39	35 48	120 20	C	3	Near Parkfield, Monterey County
21	18:24	33 00	116 40	C	3.5	Elsinore fault. Felt at Julian and Jamul, San Diego County (CGS)
22	03:59	33 01	116 20	C	3	Agua Caliente fault, San Diego County
	07:23	33 34	117 59	B	2	Off Newport Beach. Felt near Huntington Beach (CGS)
23	10:17	33 46	118 06	C	3	Near Long Beach. Reported felt.
	20:56	32 53	118 15	B	3	Off San Clemente Island
25	18:45	33 59	118 23	B	2.5	Inglewood fault southwest of Los Angeles
	20:14	33 59	118 17	B	2.5	" " . Felt southwestern Los Angeles (P, CGS)
26	23:46	33 34	117 59	C	1.5	Off Newport Beach. Felt near Huntington Beach (CGS)
27	01:39	33 30	116 55	C	2.5	Agua Caliente fault north of Aguanga
	13:46	33 47	118 08	B	3	Near Long Beach
	13:51	33 47	118 08	B	2	" " "
	21:47	33 23	117 05	C	3	Near Palomar Mountain, San Diego County
28	15:13	32 05	116 40	C	3.5	Lower California
29	07:07	34 02	118 09	C	2	Near Belvedere Gardens, Los Angeles County
	20:51	33 30	116 55	B	3	North of Aguanga
31	06:13	32 05	116 40	C	3.5	Lower California

PASADENA, LOCAL SHOCKS

No. 14

November, 1934

Date	P.S.T.	Lat.	Long.	Q	M	Remarks
1	06:04	33°34'	117°59'	B	2	Off Newport Beach. Felt near Huntington Beach (CGS)
	10:19	33 25	115 48	C	3.5	Eastern shore of Salton Sea
	10:51	33 25	115 48	C	3.5	" " " "
2	10:49	31 ?	114 ?	D	5	Gulf of California
	11:42	31 ?	114 ?	D	4	" "
4	14:17	34 32	119 40	B	3	Near Santa Barbara
	18:38	33 47	118 08	B	3.5	Near Long Beach. Felt (P, CGS)
5	19:29	33 57	118 38	C	1	Santa Monica Bay
	19:56	33 47	118 08	B	2.5	Near Long Beach
6	01:27	32 ?	116 ?	D	3	Lower California. Felt at El Centro? (CGS)
	07:26	33 53	117 30	C	2	Southwest of Riverside
7	09:00	33 50	117 51	B	1.5	Near Olive
	22:45	32 20	115 20	D	3.5	Volcano Lake district, Lower California
8	05:48	39 ?	116 ?	D	4	Nevada
	13:44	33 28	118 25	C	2.5	Near Catalina Island
11	12:34	33 37	118 02	C	2	Off Huntington Beach. Felt near there (CGS)
13	06:22	31.5	116.0	D	4	Lower California
	12:41	33 40	117 15	B	3	Near Elsinore, Riverside County
	22:37	33 50	117 24	B	2.5	Gavilan district, Riverside County
14	06:12	31 ?	114 ?	D	4?	Gulf of California
	06:31	31 ?	114 ?	D	4?	" "
	13:30	33 11	117 30	B	3.5	Off the coast at Oceanside
	23:17	33 13	116 13	C	3.5	San Jacinto fault, west of Salton Sea
15	18:02	33 37	118 02	B	2	Off Huntington Beach
	23:14			D	4	Gulf of California?
16	07:31	33 47	118 08	B	2	Near Long Beach
	10:42	33 25	115 30	C	3.5	Lower California
	13:26	33 45	118 00	B	4	Near Westminster. Felt Los Angeles, Santa Ana, etc. (P,CGS)
	15:50			D	2	Vicinity of preceding
	15:58	33 45	118 00	C	2	Near Westminster. Felt near there (CGS)
	16:36			D	2	Vicinity of preceding
	17:25	35 00	118 53	C	2.5	Garlock fault (?) vicinity Tejon Pass
19	08:50	33 45	118 00	C	2	Vicinity of Westminster
20	16:49	33 45	118 00	C	2	" "
	17:02	34 35	119 37	B	2.5	Near Santa Barbara
21	14:49	33 42	118 04	C	3	Off Bolsa Chica. Felt in Long Beach
	16:08	33 10	116 25	B	3	Agua Caliente fault, near Verruga
	22:46	33 33	118 21	B	2	San Pedro Channel
22	00:46	33 34	117 59	B	2	Off Newport Beach
23	01:55	33 40	117 13	B	2.5	East of Elsinore Lake
	02:12	33 42	118 04	C	2	Off Bolsa Chica
25	00:18	32 05	116 40	C	5	Lower California. Felt El Centro, San Diego
	06:38	32 05	116 40	C	3.5	" "
	16:23	33 50	117 24	B	3	Gavilan district, Riverside County
	17:58	34 12	117 20	B	2	Cajon Pass
29	15:27	34 17	117 13	C	2.5	San Bernardino Mountains
30	11:31	38 ?	118 ?	D	4	Nevada

December, 1934

Date	P.S.T.	Lat.	Long.	Q	M	Remarks
2	01:31	32°05'	116°40'	C	3.5	Lower California
	08:07	35 58	120 35	C	4	Vicinity of Stone Canyon, Monterey County
	10:05	32 05	116 40	C	3.5	Lower California
	12:20	33 47	118 08	B	2	Near Long Beach
	17:54	35 57	121 30	C	4.5	Off the coast near Gorda, Monterey County
3	08:55	33 34	117 59	C	2.5	Off Newport Beach
	22:17	38 ?	118 ?	D	4	Nevada. Two shocks.
5	06:21	34 02	117 19	B	2.5	Near Riverside
	10:15	33 50	117 24	B	2.5	Gavilan district, Riverside County
	23:43	35 06	119 05	B	4	South of Bakersfield
6	11:54	33 50	118 09	C	2.5	Vicinity of Norwalk
	19:34	33 30	116 29	C	3	San Jacinto fault, R5E, T8S
7	10:41	32 ?	116 ?	D	3.5	Lower California
8	10:17	33 46	118 06	C	2.5	Near Long Beach
	10:28	33 52	118 15	C	2	Inglewood fault near Nigger Slough
11	00:11	33 25	117 30	C	2	Near San Juan Capistrano
12	02:42	35 50	117 39	B	2.5	Inyokern Valley
13	15:43	33 55	117 30	C	1.5	Southwest of Riverside
14	02:06	32 ?	116 ?	D	3.5	Lower California
16	02:00	32 05	116 40	C	3	" "
	10:08	32 27	115 37	C	3	" "
17	03:10	34 35	120 20	B	4.5	East of Lompoc. Minor damage, Los Alamos (P)
	05:51	34 35	120 20	C	2.5	" "
	07:16	34 33	119 40	C	2.5	Near Santa Barbara
	07:35	34 35	120 20	C	2.5	East of Lompoc
	19:09	34 35	120 20	C	4	" "
	20:34	34 35	120 20	C	3	" "
	21:28	34 35	120 20	C	3	" "
19	12:39	34 17	119 30	B	2.5	Santa Barbara Channel
	21:53	33 47	118 08	C	1.5	Near Long Beach
	21:53	33 47	118 08	C	2	" " "
	21:54	33 47	118 08	C	2	" " "
20	04:37	34 35	120 20	C	2.5	East of Lompoc
	04:39	34 35	120 20	C	3	" "
	14:21	34 35	120 20	C	3	" "
21	01:28	34 59	118 35	C	2	Garlock fault south of Tehachapi
	04:24	33 42	116 59	B	3	San Jacinto fault near Hemet
	15:35	33 34	117 59	C	2	Off Newport Beach? Location doubtful
23	08:08	34 35	120 20	C	2.5	East of Lompoc
	23:49	34 08	118 10	B	?	Small shock very near Pasadena
24	02:22	34 35	120 20	B	3	East of Lompoc. Felt at Los Alamos
	08:26	35 56	120 29	B	5	Near Parkfield. Felt at San Luis Obispo, King City, etc.
	20:03	34 35	120 20	C	3	East of Lompoc
27	05:41	34 02	117 19	C	3	Near Riverside
28	07:14	33 30	116 55	C	2.5	Agua Caliente fault north of Aguanga
29	03:47	37 20	118 30	B	3.5	Northwest of Tinemaha
30	05:52	31 ?	115 ?	D	6	Lower California. Felt generally Imperial Valley, etc. (P, CGS)
	06:30	31 ?	115 ?	D	4.5	Lower California
	07:05	31 ?	115 ?	D	4.5	" "
	07:34	31 ?	115 ?	D	4.5	" "
	09:46	34 05	117 45	C	2.5	Vicinity of Pomona
	10:24	31 ?	115 ?	D	4	Lower California
	10:38	31 ?	115 ?	D	4.5	" "
	11:23	31 ?	115 ?	D	4.5	" "
	21:51	38 ?	118 ?	D	4	Nevada

PASADENA, LOCAL SHOCKS
December, 1934

Date	P.S.T.	Lat.	Long.	Q	M	Remarks
31	10:45	31°?	115°?	D	6.5	Lower California
	12:06	30 ?	112 ?	D	4.5	Gulf of California
	13:03	30 ?	112 ?	D	4.5	" "
	14:23	30 ?	112 ?	D	5	" "
	14:34	30 ?	112 ?	D	4	" "
	14:50	30 ?	112 ?	D	4	" "
	17:12	30 ?	112 ?	D	4	" "
	17:58	33 34	117 59	B	3.5	Off Newport Beach. Felt near Huntington Beach (CGS)
	19:11	30 ?	112 ?	D	4	Gulf of California
	20:20?	30 ?	112 ?	D	3.5	" "
	22:02	30 ?	112 ?	D	4.5	" "

Note: 35 shocks apparently aftershocks of December 30^d05^h52^m recorded at Pasadena up to December 31^d08^h37^m; 17 shocks, apparently aftershocks of December 31^d10^h45^m, recorded at Pasadena up to January 1^d0^h0^m.

A more detailed account of these shocks will be issued later.