

PASADENA, LOCAL SHOCKS

No. 1

January 1936

Date	P.S.T.	Lat.	Long.	C	M	Remarks
1	00:59	33°30'	116°55'	C	2	Agua Caliente fault vicinity of Aguanga
	07:07	33 20	115 30	C	3	Near Niland, Imperial County
	07:12	33 20	115 30	C	3	Near Niland, Imperial County
	07:57	33 37	118 02	B	3	Off Huntington Beach. Felt: Long Beach, Seal Beach, Huntington Beach (CGS)
	09:39	33 20	115 30	C	3	Near Niland, Imperial County
	19:54	33 20	115 30	C	4	Near Niland, Imperial County
	20:05	33 20	115 30	C	3	Near Niland, Imperial County
	20:35	33 20	115 30	C	3	Near Niland, Imperial County
	21:29	33 20	115 30	C	3	Near Niland, Imperial County
2	14:36	32 05	116 40	C	3.5	Lower California
	19:53	33 30	116 55	C	2.5	Agua Caliente fault vicinity of Aguanga
3	06:07	32 25	115 35	C	4	Lower California
4	00:52	34 30	118 50	B	3	North of Piru, Ventura County
6	22:36	34 06	117 24	B	3	Near Rialto, Riverside County
8	15:29	33 35	116 41	C	2.5	San Jacinto fault, Coahuila Valley
9	10:03	33 07	116 22	C	3	Agua Caliente fault, near Verruga
10	10:35	34 10	117 52	B	2.5	Foothill fault near Glendora
	14:14	33 55	116 41	C	2.5	San Jacinto fault, Coahuila Valley
	22:49	38	118	D	4	Nevada?
11	18:23	33 30	116 55	B	2.5	Agua Caliente fault, vicinity of Aguanga
13	21:30	38	117	D	4	Nevada?
15	07:32	30	113	D	4.5	Gulf of California?
19	04:22	34 01	116 30	C	2.5	Little San Bernardino Mountains
20	14:05	35 15	117 50	C	3	Garlock fault, vicinity of Redrock Canyon
21	05:42	33 43	118 05	B	2.5	Off Bolsa Chica
23	12:59	33 47	118 08	C	2	Near Long Beach
24	09:49	33 15	116 15	C	3	San Jacinto fault near Clark Lake
	17:35	33 48	118 01	B	2	Near Stanton, Orange County
26	06:13	33 33	116 28	C	3	San Jacinto fault, Coahuila Valley
	07:45	33 56	117 45	B	2	Elsinore fault south of Pomona
	16:28	33 20	116 20	C	3	San Jacinto fault, near Clark Lake
	17:25	33 50	117 24	C	2	The Gavilan, Riverside County
28	04:00	33 46	118 06	B	2	Near Long Beach
	04:01	33 46	118 06	B	2	Near Long Beach
29	00:53	33 20	116 20	C	2.5	San Jacinto fault near Clark Lake
20	06:06	33 20	116 20	C	3	San Jacinto fault near Clark Lake
	09:14	33 20	116 20	C	3	San Jacinto fault near Clark Lake
	10:32	38	118	D	4.5	Nevada?
31	01:09	33 30	116 29	C	3	San Jacinto fault, Coahuila Valley
	21:01	33 30	116 55	C	3	Agua Caliente fault near Aguanga

PASADENA, LOCAL SHOCKS

No. 2

February, 1936

Date	P.S.T.	Lat.	Long.	Q	M	Remarks
1	12:12	33°35'	118°25'	C	2	San Pedro Channel
3	01:12	34 45	119 45	C	2.5	North of Santa Barbara
	10:10	33 55	116 40	C	3.5	San Andreas fault near Whitewater, Riverside County.
	13:36	33 37	117 27	B	3	Near Lake Elsinore
	22:23	34 17	117 18	B	2.5	San Bernardino Mountains
5	09:56	34 07	118 45	C	2	Near Cornell, Los Angeles County
	13:09	33 30	116 55	C	3	Agua Caliente fault near Aguanga
	22:57	33 18	117 01	B	2.5	Elsinore fault near Pala, San Diego County
6	00:13	33 30	116 38	B	3	San Jacinto fault, Coahuila Valley
	10:56	33 08	116 05	C	3.5	San Jacinto fault west of Salton Sea
	13:58	34 05	117 30	C	2.5	Near Etiwanda
7	10:32	33 57	118 38	C	2	Santa Monica Bay
9	17:14	33	116	D	3	Probably San Jacinto fault west of Salton Sea
10	01:46	33 30	116 55	B	3	Agua Caliente fault near Aguanga
	05:18	33 47	118 08	B	2	Near Long Beach
11	04:30	35 23	117 53	C	3	Garlock fault vicinity Redrock Canyon
	06:14	33	116	D	2.5	West of Salton Sea?
	07:54	33 30	116 55	C	2	Agua Caliente fault near Aguanga
	10:47	34 10	117 52	B	2.5	Foothill fault near Glendora
12	05:45	33 47	118 02	B	2	Near Westminster
14	14:05	34 27	118 48	C	3	Near Piru, Ventura County
	19:30	33 30	116 55	C	2.5	Agua Caliente fault near Aguanga
17	15:20	33 46	118 07	B	2.5	Near Long Beach
19	01:01	33 30	116 55	C	2.5	Agua Caliente fault near Aguanga
21	08:33	33 30	117 10	C	2.5	Elsinore fault vicinity of Temecula
	15:06	34 25	119 40	C	3	Northwest of Santa Barbara
	16:18	34 25	119 40	C	3	Northwest of Santa Barbara
	16:21	34 25	119 40	C	2.5	Northwest of Santa Barbara
	16:23	34 25	119 40	C	3	Northwest of Santa Barbara
	20:55	34 25	119 40	C	3	Northwest of Santa Barbara
22	15:18	32.6	116.0	D	3	Probably Elsinore fault. Felt at Imperial (CGS)
	19:02	32.6	116.0	D	3	Same as preceding. Felt at Imperial (CGS)
23	14:20	34 07	117 25	B	4.5	Near Colton. Felt to distances of approx. 100 km.
	20:06	32.6	116.0	D	3	Probably Elsinore fault
26	01:33	34 07	117 25	B	4	Near Colton. Felt: Riverside, Hemet (P, CGS)
	16:40	41?	119?	D	4.5	Nevada
28	07 22	33 57	117 33	B	2	Near Riverside
	11:41	34 07	117 25	B	3	Near Colton
	20:27	33 47	118 08	B	2	Near Long Beach

PASADENA, LOCAL SHOCKS

March, 1936

Date	P.S.T.	Lat.	Long.	Q	M	Remarks
1	11:25	33°59'	118°18'	B	2	Southwest Los Angeles
	11:27	33 59	118 18	B	3.5	Southwest Los Angeles. Felt to distances of approx. 25 km.
	11:31	33 59	118 18	B	2	Southwest Los Angeles. Two shocks.
	11:42	33 59	118 18	B	3.5	Southwest Los Angeles. Felt to distances of approx. 25 km.
	12:18	33 59	118 18	B	2	Southwest Los Angeles
	12:19	33 59	118 18	B	2	Southwest Los Angeles
	13:10	33 59	118 18	B	2.5	Southwest Los Angeles
2	20:03	33 40	116 30	C	2.5	Coachella Valley
5	19:45	35	120	D	3	Probably near Parkfield, Monterey County
6	20:15	34 07	118 45	C	2.5	Near Cornell, Los Angeles County
7	15:00	33 59	118 18	C	2	Southwest Los Angeles
11	14:38	33 33	118 21	C	3	San Pedro Channel
16	17:55	36 30	120 55	C	4	San Benito County
17	04:27	33 30	116 55	B	3	Agua Caliente fault vicinity of Aguanga. Two shocks
	05:44	34 10	117 52	C	2.5	Vicinity of Glendora
18	01:07	35 56	120 29	C	2.5	Near Parkfield
19	08:39	33 30	116 55	B	3.5	Agua Caliente fault vicinity of Aguanga
21	11:37	33 30	116 55	B	2.5	Agua Caliente fault vicinity of Aguanga
23	18:12	34 10	117 52	C	2	North of Glendora
	20:02	35.3	118.3	D	2.5	Garlock fault
26	14:43	38?	118?	D	4	Nevada
	16:58	34 33	120 47	C	3	Off Pt. Arguello
27	12:29	34 03	118 55	C	3	Near Pt. Dume
29	00:33	33 30	116 55	C	2.5	Agua Caliente fault vicinity of Aguanga
	01:26	34 30	119 37	C	2.5	Near Santa Barbara
31	16:38	34 42	118 22	B	3	Sierra Nevada, near Weldon

PASADENA, LOCAL SHOCKS

April, 1936

No. 4

Date	P.S.T.	Lat.	Long.	Q	M	Remarks
3	04:54	34°54'	117°00'	B	3.5	Mojave Desert. Felt at Barstow (CGS)
4	16:00	33 47	118 08	C	2	Near Long Beach
5	11:58	33 33	116 28	C	3	San Jacinto fault, Coahuila Valley
	15:34	33 50	118 09	B	3	Near Long Beach
6	17:32	35 48	118 31	C	3	Sierra Nevada northwest of Kernville
	23:38	32 54	115 13	C	3.5	San Andreas fault? Felt at Calexico (CGS)
7	01:46	32 54	115 13	C	3.5	San Andreas fault?
	01:57	32 54	115 13	C	3.5	San Andreas fault?
	14:14	32 54	115 13	C	4	San Andreas fault? Felt at El Centro (CGS)
	14:53	32 54	115 13	C	4.5	Felt: Holtville, El Centro, Calexico, Heber (CGS)
	15:27	32 54	115 13	C	3.5	Felt: El Centro, Calexico (CGS)
	16:39	32 54	115 13	C	3	San Andreas fault?
8	10:41	32 54	115 13	C	4	Felt: Heber (CGS) and Calexico (P)
9	05:17	33 30	116 55	C	3.5	Agua Caliente fault vicinity of Aguanga
	16:01	34 10	117 52	B	2.5	Near Glendora
11	14:17	34 10	117 52	B	2	Near Glendora
	15:38	33 42	117 17	B	2.5	Elsinore fault near Elsinore
	20:26	33 34	117 59	C	2	Off Newport Beach
12	04:24	35 50	118 00	C	2.5	Inyokern Valley
13	10:13	33 15	116 35	B	3.5	Agua Caliente fault near Warners Hot Springs
14	09:38	34 10	117 52	B	2	Near Glendora
	10:50	33 30	118 10	C	2.5	San Pedro Channel
	10:51	33 30	118 10	C	2.5	San Pedro Channel
15	09:43	32 30	117 30	C	3	Pacific Ocean approx. 35 km southwest of San Diego
17	14:24	34 10	117 52	C	2.5	Near Glendora
	18:20	34 07	118 45	C	2	Near Cornell, Los Angeles County
	21:36	32 54	115 13	C	4	Felt: Imperial, El Centro (CGS)
18	07:15	34 10	117 52	B	2	Near Glendora
	11:51	32 54	115 13	C	3	San Andreas fault?
19	08:17	33 46	118 10	B	3	Near Long Beach: Felt: Long Beach, San Pedro (CGS)
	12:19	38	118	D	4	Nevada
	21:22	33 46	118 10	C	2.5	Near Long Beach
20	06:48	33 30	116 55	C	2.5	Agua Caliente fault?
	20:34	36 09	117 57	B	3.5	Near Haiwee
22	06:47	34 02	117 30	B	2.5	Near Mira Loma, Riverside County. Depth approx. 11 km.
23	14:08	34 10	117 52	B	2	Near Glendora
	22:05	34 00	116 20	C	3	Little San Bernardino Mountains
24	11:00	36 09	117 57	B	4	Near Haiwee
	20:58	33 59	118 23	C	2.5	Felt: Santa Monica Bay district, etc., (P, CGS)
25	10:04	36 09	117 57	B	2.5	Near Haiwee
26	08:25	36 09	117 57	B	3.5	Near Haiwee. Felt there (CGS)
27	18:36	32 53	118 15	C	3	Off San Clemente Island
28	08:05	33 00	116 15	C	3	Vallecito Mountains
29	00:50	31 40	115 05	C	5	Near head of Gulf of California
30	03:43	33 00	116 15	C	2.5	Vallecito Mountains

PASADENA, LOCAL SHOCKS

No. 5

May 1936

Date	P.S.T.	Lat.	Long.	Q	M	Remarks
2	22:24	34°28'	118°55'	C	3.5	Vicinity of Piru, Ventura County
3	02:14	34 28	118 55	C	2	Vicinity of Piru, Ventura County
	02:28	34 28	118 55	C	3.5	Vicinity of Piru, Ventura County
	06:17	34 28	118 55	C	3.5	Vicinity of Piru, Ventura County
	06:20	35 42	118 22	C	4	Sierra Nevada near Weldon. Felt at Kernville
	23:15	34 11	118 15	B	2.5	Felt: Glendale, Eagle Rock, Montrose, Pasadena, Los Angeles (P)
6	01:18	33 34	117 59	C	2	Off Newport Beach
	01:45	33 34	117 59	C	2	Off Newport Beach
	02:35	35 42	118 22	C	3	Sierra Nevada near Weldon
	19:46	33 08	116 05	C	3.5	San Jacinto fault
7	03:47	33 08	116 05	C	4.5	Felt: Hemet, Carrizo Gorge, Imperial (CGS)
	06:46	33 08	116 05	C	3	San Jacinto fault
8	12:30	33 37	118 02	C	2	Off Huntington Beach
10	09:40	37 30	118 32	C	5	North of Bishop. Felt: Southern Nevada mountains and San Joaquin Valley (P, CGS)
	11:36	36 55	117 30	C	3.5	Northern end of Death Valley
12	04:06	33 30	116 55	B	3	Agua Caliente fault vicinity of Aguanga
14	20:18	33 45	116 30	C	2	Vicinity of Palm Springs
	20:34	36 30	118 32	C	4	North of Bishop. Felt: Yosemite, Benton (CGS)
16	05:37	34 03	117 17	B	3	Near Rialto. Felt: San Bernardino, Highland (P)
	20:27	34 03	117 17	C	2	Near Rialto
17	07:51	34 07	118 45	C	2	Near Cornell, Los Angeles County
20	09:22	35 56	120 29	C	3	Near Parkfield
21	17:36	34 07	118 45	C	2.5	Near Cornell
22	16:31	33 30	116 55	C	2	Agua Caliente fault near Aguanga
	16:34	33 30	116 55	B	3	Agua Caliente fault near Aguanga
	20:41	36 10	120 55	C	4	Near King City, Felt there
24	15:15	34 07	118 45	C	2.5	Near Cornell
25	20:45	33 00	116 15	C	3	Agua Caliente fault, Vallecito Mountains
26	21:14	33 24	116 22	C	2.5	San Jacinto fault west of Salton Sea
27	11:55	36 30	121 10	C	4.5	San Benito County
30	20:41	34 53	119 08	B	3	San Andreas fault zone near Cuddy Valley
31	18:21	33 37	118 02	B	3	Off Huntington Beach. Felt there

PASADENA, LOCAL SHOCKS

No. 6

June, 1936

Date	P.S.T.	Lat.	Long.	Q	M	Remarks
1	08:32	33°46'	119°07'	C	3	Santa Barbara Channel
	08:54	34 11	117 20	B	2.5	San Andreas fault northwest of Arrowhead
	22:31	34 13	117 52	B	2	North of Glendora
3	01:16	40	125	D	5.8	Felt in Humboldt County
	08:28	34 07	118 45	B	2	Near Cornell, Los Angeles County
4	02:56	34 13	117 52	B	2	North of Glendora
	21:38	32 50	116 50	C	2.5	Approximately 33 km. northeast of San Diego
6	03:13	34 20	118 50	C	2	Vicinity of Moorpark, Ventura County
	03:24	34 20	118 50	C	2.5	Same as preceding
	15:23	33 30	116 55	C	2	Agua Caliente fault near Aguanga
10	00:30	32	115	D	3.5	Lower California
	13:26	32	115	D	3	Lower California
11	04:04	33 25	118 10	B	3	San Pedro Channel
12	02:27	33 30	116 55	C	2	Agua Caliente fault near Aguanga
	10:21	33 13	116 13	C	2.5	San Jacinto fault west of Salton Sea
13	13:38	34 10	117 52	B	2.5	North of Glendora
14	15:05	33 13	116 13	C	3	San Jacinto fault west of Salton Sea
21	06:19	33 30	116 55	B	3.5	Agua Caliente fault near Aguanga
	19:30	33 30	116 55	C	2	Same as preceding
22	17:42					Peculiar non-seismic disturbance recorded at Pasadena and Mt. Wilson only
23	13:03	33 34	118 46	B	3	San Pedro Channel
24	04:23	35 07	120 05	C	3	San Luis Obispo County; Cuyama River
26	07:40	34 06	116 53	C	2	San Bernardino Mts. Mill Creek fault?
	09:50	32 27	115 37	D	3	Lower California. Agua Caliente fault?
	15:04	32 27	115 37	D	3.5	Same as preceding
30	00:27	34 10	117 52	B	2	North of Glendora
	02:27			E	5	To the north. Tinemaha Δ approx. 525 km.
	04:47			E	5.5	Same as preceding
	15:05	33 30	116 55	C	2.5	Agua Caliente fault near Aguanga
	17:06	33 30	116 55	C	2.5	Same as preceding
	18:33	35 42	118 12	C	2.5	Sierra Nevada near Onyx

PASADENA, LOCAL SHOCKS

No. 7

July, 1936

Date	P.S.T.	Lat.	Long.	Q	M	Remarks
1	04:01				5	Probably northern California.
	04:04				5	Same as preceding.
	04:57				4.5	Same as preceding.
	17:40	38°	118°	D	4	Nevada.
	18:04	34 10'	117 52'	C	1.5	Near Glendora.
	22:21				4	Probably northern California.
2	08:29	39.2	117.5	D	5	Nevada.
	23:26	33 30	116 55	C	2	Agua Caliente fault near Aguanga.
4	14:07	33.4	117.3	C	2.5	Vicinity of Temecula. Elsinore fault?
	17:52	33.6	118.1	D	2	Off Huntington Beach?
5	08:02	33 57	118 38	C	2	Santa Monica Bay.
	23:13	33.4	117.3	C	2.5	Vicinity of Temecula. Elsinore fault?
6	18:10	34 10	117 52	C	2	Near Glendora.
8	04:50	34 25	119 06	C	2	Vicinity of Ojai, Ventura County.
	04:54	34 25	119 06	C	1.5	Same as preceding.
	06:24	34 25	119 06	C	2	Same as preceding.
10	18:17	33 35	118 22	C	2.5	San Pedro Channel.
	19:47	36 40	118 06	C	4	Owens Valley. Felt: Owenyo, Lone Pine, Sequoia National Park.
11	00:43	36 40	118 06	C	3	Same as preceding.
	00:49	33 30	116 55	C	2	Agua Caliente fault near Aguanga.
	02:00	36 40	118 06	C	3.5	Owens Valley. Felt at Owenyo.
13	10:09	34.5	119.6	D	2.5	Near Santa Barbara.
	22:34	34 10	117 52	B	2	Near Glendora.
14	10:39	33 37	118 02	B	3	Off Huntington Beach. Felt near there.
19	09:25	33 58	117 34	C	2	Near Riverside. Depth approx. 10 km.
	18:04	33 52	116 34	C	2.5	Near Whitewater.
20	07:51	33 34	117 59	B	2.5	Off Newport Beach.
21	01:15	34 10	117 52	B	2	Near Glendora.
	20:03	34.5	119.8	C	2.5	Santa Barbara distant approx. 20 km.
	23:06	33 58	117 34	B	3	Near Riverside.
24	18:13	34 10	117 52	C	2	Near Glendora.
25	01:02	33 34	117 59	B	3	Off Newport Beach. Felt: Huntington Beach, Balboa, Corona del Mar.
	11:39	38	118	D	4	Nevada. Felt at Mina. (P)
27	22:52	33 30	116 55	C	2.5	Agua Caliente fault near Aguanga.
29	06:22	33 30	116 55	C	4	Same as preceding.
	22:34	34 13	117 49	C	2.5	Near forks of San Gabriel River.
30	01:36	34 34	119 38	C	3	Near Santa Barbara.
31	22:28	34 10	117 52	C	2	Near Glendora.

No. 8

PASADENA, LOCAL SHOCKS
August 1936

Date	P.S.T.	Lat.	Long.	Q	M	Remarks
1	00:07	33°50'	117°24'	C	3	The Gavilan
4	00:01	35 00	118 53	C	3	Vicinity of Wheeler Ridge, Kern County
8	06:21	32 27	115 37	C	3	Lower California. Agua Caliente fault?
9	04:53	32 27	115 37	C	3	Same as preceding
	23:59	33 43	116 16	C	3	Vicinity of Indian Wells. San Andreas fault?
10	23:17	36 38	117 51	C	3.5	West shore Owens Lake
11	18:05	34 10	117 52	B	2	Near Glendora
12	21:15	32 27	115 37	C	2.5	Lower California
14	15:41	33 57	118 38	B	2	Santa Monica Bay
	22:33	34 10	117 52	B	2	Near Glendora
18	18:06	34 10	117 52	B	2.5	Near Glendora
19	05:18	33 30	116 55	B	3	Agua Caliente fault vicinity of Aguanga
20	13:29	34 10	117 52	B	2	Near Glendora
	21:12	35 00	118 53	C	3	Vicinity of Wheeler Ridge
21	21:21	33 46	117 49	B	4	Felt: Sta. Ana, Anaheim, Santa Fe Springs, Whittier
22	00:05	33 46	117 49	B	2.5	Near El Modeno
	13:41	34 10	117 52	C	2	Near Glendora
23	06:35	34 30	118 35	C	2	North of Saugus
25	06:05	34 30	118 35	C	2.5	North of Saugus
	06:07	34 30	118 35	C	2	North of Saugus
	14:58	34 45	116 28	C	2.5	Mojave Desert between Ludlow and Newberry
26	13:19	34 30	118 35	B	2.5	North of Saugus
	13:20	34 30	118 35	C	2	North of Saugus
	13:53	34 30	118 35	C	2	North of Saugus
	14:17	34 30	118 35	B	3	North of Saugus
	14:51	34 30	118 35	B	3	North of Saugus
27	18:45	34 10	117 52	C	2	Near Glendora
30	00:15	32 56	116 25	C	3.5	Elsinore fault, Vallecito Mountains

PASADENA, LOCAL SHOCKS

No. 9

September, 1936

Date	P.S.T.	Lat.	Long.	Q	M	Remarks
2	14:07	34°10'	117°52'	B	2.5	Near Glendora.
	22:21	33 30	116 55	C	2	Agua Caliente fault near Aguanga.
3	14:57				5	To the south, approx. 600 km. from La Jolla.
5	02:24	33 30	116 55	C	3.5	Agua Caliente fault near Aguanga.
	08:52	35 50	116 30	C	3	Southern Death Valley.
	10:47	34.0	116.0	C	2.5	Pinto Mountains.
	14:24	35 50	116 30	C	2.5	Southern Death Valley.
6	22:01	33 41	117 01	C	2	Near San Jacinto.
7	03:48	36	113	D	4.5	Northwestern Arizona. See list at end of report.
	08:47	34 22	120 23	C	3	Off Pt. Concepcion. Felt at Los Alamos (CGS)
8	04:54	33 34	117 59	C	2	Off Newport Beach.
	05:06	33 34	117 59	C	2	Off Newport Beach.
	05:53	33 34	117 59	C	2	Off Newport Beach.
	05:54	33 34	117 59	C	2	Off Newport Beach.
	05:54	33 34	117 59	C	3.5	Off Newport Beach. Felt: Long Beach, Seal Beach, near Huntington Beach. (CGS)
	07:22	33 34	117 59	C	3	Off Newport Beach.
	10:05	33 34	117 59	C	2	Off Newport Beach.
	11:43	33 34	117 59	C	2.5	Off Newport Beach.
	17:45	34 06	117 41	C	2	Vicinity of Chino.
	18:48	34.0	115.7	C	3	Pinto Mountains. Doubtful.
	20:54	34 22	120 23	C	4	Off Pt. Concepcion.
9	03:02	34 10	117 52	C	2.5	Near Glendora.
	12:46	33 34	117 59	C	2	Off Newport Beach.
	14:27	33 25	117 45	C	2.5	Off Pt. San Juan Capistrano.
10	02:45	32 50	117 30	C	3.5	West of La Jolla.
	02:47	32 50	117 30	C	3	West of La Jolla.
	02:53	34 28	118 13	C	3	Near Acton, Los Angeles County. Felt at Lancaster.
	06:18	32 50	117 30	C	2.5	West of La Jolla.
	13:21	34.4	120.4	D	3	West of Santa Barbara.
11	01:32	33 10	116 10	C	3	San Jacinto fault west of Salton Sea.
12	05:56	34 45	120 20	C	3.5	Near Los Alamos.
	21:09	34 28	118 13	C	3	Near Acton.
	21:11	34 28	118 13	C	2	Near Acton.
13	05:13	34 28	118 13	C	2	Near Acton.
14	12:05	34 28	118 13	C	2.5	Near Acton.
	16:09	34.5	120.5	D	2.5	West of Santa Barbara.
15	23:07	34 10	117 52	B	2.5	Near Glendora.
16	12:16	34 28	118 13	C	2	Near Acton.
17	01:41	34 40	117 05	C	2.5	Southwest of Barstow.
	01:56	33 57	118 38	C	2	Santa Monica Bay.
	18:36	34 10	117 52	B	2	Near Glendora.
18	06:28	32 55	115 25	C	4	East of Brawley. See list at end of report.
	06:40	32 55	115 25	C	4.5	East of Brawley.
	06:52	32 56	115 25	C	4	East of Brawley.
	07:48	32 56	115 25	C	4	East of Brawley.
	08:51	32 56	115 25	C	4	East of Brawley.
19	05:29	33 34	117 17	C	2	Elsinore fault near Wildomar.
	18:38	34 11	119 02	B	3	Near Camarillo, Ventura County.

THE UNIVERSITY OF CHICAGO

PASADENA, LOCAL SHOCKS

No. 10

September, 1936

Date	P.S.T.	Lat.	Long.	Q	M	Remarks
20	01:54	33°36'	117°42'	B	2	Near El Toro, Orange County.
	02:52	34 01	117 16	C	2	Near Riverside.
	22:21			D	4	Northern Nevada?
	22:22			D	4.5	Northern Nevada?
	22:28			D	3.5	Northern Nevada?
	23:32			D	4.5	Northern Nevada?
21	00:05	35 50	117 55	C	2.5	South of Little Lake, Inyo County.
	22:14	33 55	116 55	B	3	Near Beaumont.
22	02:39			D	5	Northern Nevada?
	03:04	33 20	117 45	C	2	Off Pt. San Juan Capistrano.
	23:41	29	113	D	5	Gulf of California. See list at end of report.
23	09:18			D	4.5	Northern California.
	09:18			D	5	Northern California.
	09:54			D	4	Northern California
	19:09	37	122	D	4.5	San Francisco Peninsula. Felt: Palo Alto, San Jose, etc. (P)
24	00:56	34 10	117 52	C	2.5	Near Glendora.
	06:12	37	122	D	4	San Francisco Peninsula. Felt at Santa Clara.
25	04:54	43.5	128.2	D	5.5	Off Oregon. Epicenter by U.S.C.G.S.
	18:37	34 10	117 52	B	2.5	Near Glendora.
26	01:10	34 06	117 21	B	1.5	Near Rialto, Riverside County.
	09:07	33 45	118.30	C	2	Off Pt. Vicente.
	10:56	33 45	118 30	C	2	Off Pt. Vicente.
	15:29	33 42	117 10	C	2	South of Perris, Riverside County.
	17:55	35 15	118 50	B	3.5	Near Arvin, Kern County. Felt: Bakersfield and vicinity. (P, CGS)
27	15:06	33 42	118 04	C	2	Off Bolsa Chica.
28	19:22	36 40	117 25	C	3	Northern Panamint Mountains.
29	18:34	34 10	117 52	B	1.5	Near Glendora.
	20:51	33 55	116 35	B	3	East of Whitewater.
30	00:55	33 40	118 20	C	2	San Pedro Channel.
	18:55	34 10	117 52	B	2	Near Glendora.

Addendum

Aug.

29 16:03 34 23 116 31 C 2.5 N. E. San Bernardino Mts.

Corrections:

Apr 9 05:17 should read 33°56' 116°45' C 3 San Andreas fault near Cabezón.

May 14 20:34 should read 37°30' 118°32'

May 22 16:34 should read 33°56' 116°45' B 3 San Andreas fault near Cabezón.

Time	P. S. T.	Lat.	Long.	Depth	Direction	Remarks
10	01:05	32° 35'	117° 55'	11.5	D	Offshore, Orange County.
	02:12	34° 01'	117° 10'	0	D	Offshore, Orange County.
	03:21				D	Offshore, Orange County.
	03:32				D	Offshore, Orange County.
	03:33				D	Offshore, Orange County.
21	00:05	33° 30'	117° 35'	0	D	Offshore, Orange County.
	03:14	33° 55'	116° 45'	8	D	Offshore, Orange County.
	03:28			D	D	Offshore, Orange County.
	03:04	33° 50'	117° 35'	0	D	Offshore, Orange County.
	03:41	33°	116°	D	D	Offshore, Orange County.
22	03:18			D	D	Offshore, Orange County.
	03:18			D	D	Offshore, Orange County.
	03:33			D	D	Offshore, Orange County.
	13:05	37°	122°	D	D	Offshore, Orange County.
24	00:12	34° 10'	117° 35'	0	D	Offshore, Orange County.
	00:12	37°	122°	D	D	Offshore, Orange County.
25	04:12	33° 30'	117° 35'	8	D	Offshore, Orange County.
	13:37	34° 10'	117° 35'	8	D	Offshore, Orange County.
26	01:10	34° 05'	117° 35'	8	D	Offshore, Orange County.
	04:02	33° 30'	117° 35'	0	D	Offshore, Orange County.
	10:05	34° 30'	117° 35'	0	D	Offshore, Orange County.
	13:32	35° 15'	117° 35'	0	D	Offshore, Orange County.
	17:35	35° 15'	118° 30'	8	D	Offshore, Orange County.
27	13:08	35° 45'	118° 05'	0	D	Offshore, Orange County.
28	13:32	36° 30'	117° 35'	0	D	Offshore, Orange County.
29	13:34	34° 10'	117° 35'	0	D	Offshore, Orange County.
	13:51	35° 35'	118° 35'	8	D	Offshore, Orange County.
30	00:52	33° 30'	117° 35'	0	D	Offshore, Orange County.
	13:15	34° 10'	117° 35'	0	D	Offshore, Orange County.

Continued

31 13:02 35:35 118:31 0 3.8 W. E. San Bernardino, near Orange.
32 13:02 35:35 118:31 0 3.8 W. E. San Bernardino, near Orange.
33 13:02 35:35 118:31 0 3.8 W. E. San Bernardino, near Orange.
34 13:02 35:35 118:31 0 3.8 W. E. San Bernardino, near Orange.

PASADENA, Local Shocks

No. 12

October, 1936

Date	P.S.T.	Lat.	Long.	Q	M	Remarks
1	14:18	33.0	116.3	D	2.5	Agua Caliente fault?
2	07:53	37 15	116 40	C	3	Sierra, northwest of Tinemaha.
	11:54	34 18	116 00	C	3.5	San Gabriel Mts. Depth about 35 kms.
	11:58	33 30	116 55	C	2.5	Agua Caliente fault near Aguanga.
	12:40	34 18	118 08	C	2.5	San Gabriel Mts.
3	12:10	33 15	118 15	B	2.5	Southeast of Catalina Island.
	13:18	34 18	118 08	C	2	San Gabriel Mts.
4	01:31	35.8	118.0	D	2.5	Near Freeman, Kern County?
	11:21	34 18	118 08	C	2.5	San Gabriel Mts.
5	14:50	34 58	118 51	C	3.5	Near Wheeler Ridge, Kern County.
6	03:01	32.5	116.0	D	2.5	West of Imperial Valley.
	03:03	32.5	116.0	D	2.5	West of Imperial Valley.
	04:31	37 15	118 40	C	3	Sierra, northwest of Tinemaha.
	04:33	37 15	118 40	C	4	Sierra, northwest of Tinemaha.
	04:46	37 15	118 40	C	3	Sierra, northwest of Tinemaha.
	04:53	37 15	118 40	C	3	Sierra, northwest of Tinemaha.
	08:13	33 43	118 05	C	3	Off Bolsa Chica.
	12:30	33 43	118 05	C	2	Off Bolsa Chica.
	19:01	37 15	118 40	C	4	Sierra, northwest of Tinemaha.
7	07:01	38 ?	118 ?	D	4	About 150 km. northerly from Tinemaha.
	07:07	33 55	116 55	C	2.5	Near Beaumont.
	10:01	33 56	117 36	B	2	Southeast of Chino.
8	03:24	29	113	D	4	Gulf of California.
	03:29	29	113	D	4.5	Gulf of California.
	04:07	29	113	D	4.5	Gulf of California.
	05:42	29	113	D	4.5	Gulf of California.
	09:59	29	113	D	4	Gulf of California.
	12:18	34 00	118 32	C	3	Off Santa Monica.
	14:54	33 56	117 36	B	2	Southeast of Chino.
	16:57	34 28	118 05	C	2.5	Near Acton.
	23:29	29	113	D	4	Gulf of California.
9	17:25	41 ?	125 ?	D	5	Off northern California.
	22:17	35 15	118 50	C	3	Near Arvin, Kern County.
10	10:49	37 52	118 30	C	4	Northwest of Bishop.
	11:07	37 52	118 30	C	3.5	Northwest of Bishop.
	12:10	37 52	118 30	C	3	Northwest of Bishop.
12	05:56	32.6	116.0	D	4	West of Calexico.
	06:09	32.6	116.0	D	3	West of Calexico.
	09:07	32.6	116.0	D	4	West of Calexico.
	10:13	32.6	116.0	D	3	West of Calexico.
	10:41	32.6	116.0	D	3.5	West of Calexico.
	14:43	32.6	116.0	D	3	West of Calexico.
13	04:28	39	119	D	4	Western Nevada?
	12:39	35.6	116.4	D	3	South of Death Valley.
	22:30	33 37	116 14	B	3.5	South of Indio.
14	02:56	32 52	116 00	C	3	Agua Caliente fault n.w. of Coyote Wells.
	09:38	33 37	116 14	C	3	South of Indio.
15	14:56	33 30	116 55	C	2.5	Agua Caliente fault vicinity of Aguanga.
16	07:30	34 50	120 35	C	4	Near Casmalia, Santa Barbara County.
	07:36	34 50	120 35	C	3	Near Casmalia, Santa Barbara County.
	16:20	35.4	117.5	D	2.5	Southwest of Victorville.
	17:17	34 50	120 35	C	3	Near Casmalia.

PASADENA, Local Shocks

No. 13

October, 1936

Date	P.S.T.	Lat.	Long.	C	M	Remarks
18	18:32	34 00	116 05	C	2.5	Little San Bernardino Mts.
	19:02	34 43	116 21	C	2.5	Near Ludlow.
	19:06	34 00	116 05	C	3	Little San Bernardino Mts.
	19:09	34 00	116 05	C	3	Little San Bernardino Mts.
	20:09	37 10	118 50	C	3	Sierra, west of Tinemaha.
19	06:01	34 50	120 35	C	3	Near Casmalia.
20	16:40	34 15	117 13	C	3.5	Vicinity of Lake Arrowhead, San Bernardino Mts.
21	07:04	38 ?	118 ?	D	4	Nevada?
	15:17	37 15	118 40	C	3.5	Sierra, west of Tinemaha.
22	14:02	34.0	117.4	D	2.5	Near Riverside.
	23:30	33 30	116 55	C	2	Agua Caliente fault vicinity of Aguanga.
23	05:58	34.4	118.2	D	2.5	Vicinity of Acton.
	18:56	33.9	117.2	D	3.5	Near Riverside. Felt: Riverside, Colton, San Bernardino.
24	05:57	32 ?	115 ?	D	3	South of Imperial Valley.
25	13:51	33 55	118 20	C	2	Inglewood fault. Felt: Southwest Los Angeles.
26	04:34	38	118	D	4	Nevada.
29	14:35	33 43	118 42	C	4	San Pedro Channel. Felt in Los Angeles and to the south and west.
	15:09	33 43	118 42	C	2.5	San Pedro Channel.
30	03:02	33 00	116 15	C	2.5	Agua Caliente fault.
	04:04	33 00	116 15	D	2.5	Agua Caliente fault.
31	06:13	33 59	118 18	C	2	Southwest Los Angeles.

Numerous shocks in recent months, assigned magnitudes 2.5 and less, and referred to an epicenter 34°10' N., 117°52' W., on the Foothill fault near Glendora, now prove to be due to blasting at Dam No. 1 of the Los Angeles County Flood Control District, in San Gabriel Canyon. Such shocks are now omitted from the report.

PASADENA, LOCAL SHOCKS

No. 14

November, 1936

Date	P.S.T.	Lat.	Long.	Q	M	Remarks
1	07:10	34°33'	120°47'	B	4	Off Pt. Arguello.
	08:14	33 34	117 59	C	2	Off Newport Beach.
	10:04	33 30	116 55	C	2	Agua Caliente fault near Aguanga.
	17:29	34 33	120 47	C	3	Off Pt. Arguello.
5	11:22	33 30	116 55	C	2	Agua Caliente fault near Aguanga.
7	05:11	37 53	118 30	C	3.5	Near Benton, Mono County.
8	08:51	34 33	120 47	C	3	Off Pt. Arguello.
	14:43	34 33	120 47	C	3	Off Pt. Arguello.
10	01:58	37.1	118.9	D	2.5	West of Tinemaha.
12	00:20	33.3	116.3	D	2.5	Vicinity of Clark Lake?
15	11:05	33 52	117 38	B	2	Near Prado.
16	21:57	33 50	117 30	C	2.5	Near Riverside.
17	03:25	33.6	118.0	D	1.5	Felt near Huntington Beach.
	12:38	33 59	118 23	C	2.5	Southwest of Los Angeles.
18	10:02	34 42	120 15	C	4.5	Northwest of Santa Barbara.
						Felt: Santa Maria, etc(P)
20	04:39	35 44	117 55	C	3	Northwest of Inyokern.
21	18:16	34 35	120 47	C	3.5	Off Pt. Arguello.
22	16:54	33 57	117 33	B	2	Near Riverside.
24	16:36	34 05	116 25	C	3	Little San Bernardino Mountains.
25	11:19	36 09	117 57	B	2.5	Near Haiwee.
	13:51	34 35	120 47	C	3	Off Pt. Arguello.
28	21:54	34 49	119 00	B	4	San Andreas fault(?) Northeast of Stauffer, Ventura County.
	23:24	33 30	116 55	C	2	Agua Caliente fault vicinity of Aguanga.
29	07:11	33 30	116 55	C	2	Agua Caliente fault vicinity of Aguanga.
	22 31	34 00	118 08	C	2	Vicinity of Monterey Park.
30	03:13	29	113	D	4	Gulf of California.
	11:51	32 56	116 15	C	3	Vallecito Mountains. Doubtful.
	20:36	34 55	119 20	C	3	San Andreas fault near Pattiway.

PASADENA, LOCAL SHOCKS
December, 1936

Date	P.S.T.	Lat.	Long.	Q	M	Remarks
1	20:33	33°30'	116°55'	C	3	Agua Caliente fault near Aguanga.
4	18:05	32 27	115 37	C	3.5	Lower California.
5	12:00	33 48	117 38	B	3	Near Prado. Whittier fault?
	14:15	33 30	116 55	C	2	Agua Caliente fault near Aguanga.
	18:02	34 15	116 05	C	3	Mojave Desert.
6	11:14	34 17	118 50	C	3.5	Vicinity of Moorpark.
7	15:44	33 08	116 05	C	3	West of Salton Sea.
9	20:48	32	115	D	3.5	Lower California.
10	14:18	34.1	118.7	D	2	About 55 km. west of Pasadena.
11	03:12	34.0	118.4	C	1.5	Vicinity of Inglewood.
12	14:39	33 45	117 22	C	2.5	The Gavilan District.
17	05:56	34 03	117 33	B	2	Vicinity of Cucamonga.
	08:22	33 30	116 55	C	2.5	Agua Caliente fault near Aguanga.
18	12:00	33 52	117 38	C	2.5	Elsinore fault near Prado.
19	16:26	33 50	117 24	C	2.5	The Gavilan District.
22	01:17	35.2	110.2	D	2.5	Probably Garlock fault north of Mojave.
	10:49	33 59	118 23	B	2.5	Inglewood fault. Felt: Culver City, Westwood Hills.
	20:20	34 55	118 15	C	2.5	Near Rosamond, Antelope Valley.
23	09:16	35 56	120 29	B	3.5	Near Parkfield, Monterey County.
24	12:12	33 30	116 55	B	2.5	Agua Caliente fault near Aguanga.
	21:54	32 27	115 37	C	3.5	Lower California.
	23:47	32 27	115 37	C	3	Lower California.
25	00:01	32 27	115 37	C	3	Lower California.
	00:31	31.7	115.1	D	4	Lower California.
	00:38	31.7	115.1	D	3.5	Lower California.
	00:42	31.7	115.1	D	3.5	Lower California.
	08:05			E	5	To the north approx 500 km. from Tinemaha.
	17:12	34 33	119 41	C	2.5	Near Santa Barbara.
26	06:31	33 30	116 55	B	2.5	Agua Caliente fault near Aguanga.
29	19:48			E	4.5	Probably Gulf of California.

Pasadena Δ approx 550 km.

From readings at Tucson furnished by U.S. Coast and Geodetic Survey for shock of September 7 at 03:48 the epicenters of the shocks listed on page 11 of 1936 Local Shocks report should be changed to read: "36° 115° Vicinity of Boulder Dam".