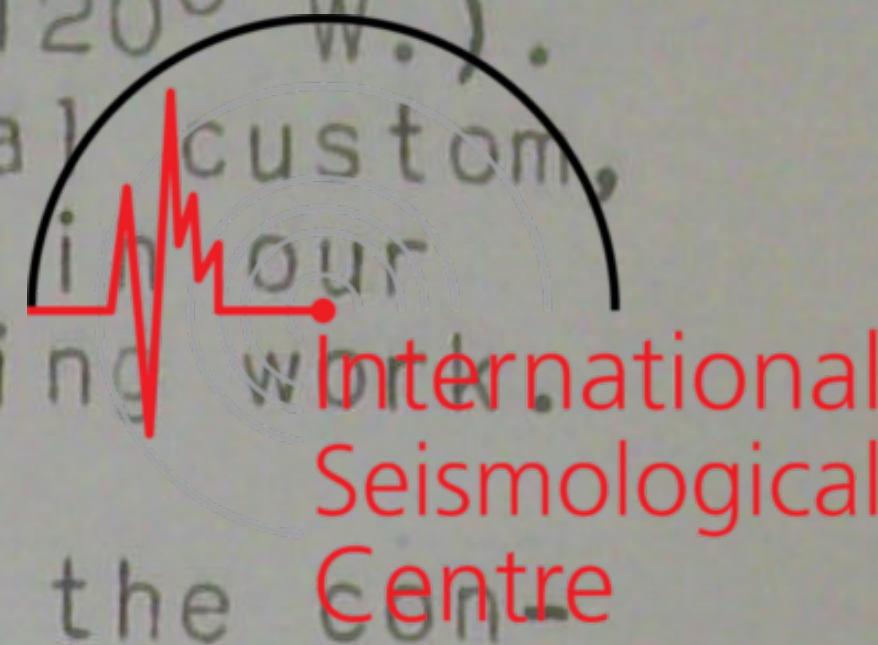


Special notice

For nearly twenty years the times of local earthquakes in this report have been given as Pacific Standard Time (P.S.T., 120° W.). Since times for distant shocks are, following international custom, expressed in Greenwich Civil Time (G.C.T.), and so appear in other Bulletin, this has necessitated additional bookkeeping with



Official use of daylight-saving time largely destroys the convenience and utility of reporting in local standard time. This is particularly so when daylight-saving is introduced and abandoned arbitrarily or irregularly.

Beginning January 1, 1951, times in this report are Greenwich Civil Time and the dates given correspond to these. To reduce to Pacific Standard Time, subtract eight hours; for Pacific Daylight Time, subtract seven hours. For about one-third of the day this will also change the date.

A conversion table follows.

Greenwich Civil Time (G.C.T.)	Pacific Standard Time (P.S.T.)	Pacific Daylight Time (P.D.T.)
00h	16h previous date	4 p.m. 17h previous date
01	17	5 18
02	18	6 19
03	19	7 20
04	20	8 21
05	21	9 22
06	22	10 23
07	23	11 00 same date
08	00 same date	12 01
09	01	1 a.m. 02
10	02	2 03
11	03	3 04
12	04	4 05
13	05	5 06
14	06	6 07
15	07	7 08
16	08	8 09
17	09	9 10
18	10	10 11
19	11	11 12
20	12	noon 13
21	13	1 p.m. 14
22	14	2 15
23	15	3 16

PASADENA LOCAL SHOCKS

January, February, March, 1951

No. 1	Date	G.C.T.	Lat.N.	Long.W.	Q	M	Remarks
<u>January</u>							
2	12:06:57		37 20	118 21	C	3.1	Near Bishop. Felt at Laws
4	14:03:57		37 18	118 00	C	3.8	Near Deep Springs
4	14:06:06		37 18	118 00	C	2.9±	Near Deep Springs
4	22:57:34		33 15	116 09	B	2.9	East of Borego Valley
5	14:42:36		32 42	115 57	C	3.1	South of Coyote Wells. Felt at Brawley (CGS)
5	22:15:58		32 42	115 57	C	3.4	South of Coyote Wells
7	00:18:03		34 27	117 34	B	2.6	Near Phelan
8	12:30:02		33 36	116 40	B	3.0	Near Anza
9	05:28:50		36 13	118 06	B	2.0	Near Haiwee
10	01:04:12		37 42	118 50	C	3.0	Northern Owens Valley. Felt at Long Valley Reservoir, (CGS)
19	17:48:52		35 01	118 30	B	3.2	Garlock fault, Tehachapi Mts.
23	07:22:11		33 10	116 15	C	3.1	Near Borego Valley
24	07:17:01		33 07	115 34	B	5.6	Near Calipatria. Felt as far as San Diego, Needles and Corona
24	07:33:07		33 07	115 34	C	4.0	Near Calipatria
24	07:42:36		33 07	115 34	C	3.8	Near Calipatria
24	09:55:58		33 07	115 34	C	3.8	Near Calipatria
24	14:45:38		33 07	115 34	C	3.7	Near Calipatria
24	20:05:52		33 03	116 17	C	3.5	North of Vallecito
25	14:55.1		33.0	115.8	D	3.2	Aftershock of Jan. 24, 07h?
26	06:28:01		37 40	118 45	C	3.5	Northern Owens Valley
26	12:06:05		33 03	115 42	C	3.1	Near Westmorland
27	20:57:51		33 58	117 06	B	3.0	Northwest of Beaumont
28	23:11:36		33 14	119 08	C	3.1	West of Santa Barbara Island
29	09:46:27		36 24	117 26	B	3.2	Panamint Valley
30	15:34:02		35 51	116 26	C	3.0	West of Tecopa
<u>February</u>							
4	02:56:15		35 46	118 03	B	2.5	Near Walker Pass
4	20:52:18		33 57	118 28	B	2.6	Near Santa Monica. Felt at Los Angeles airport (CGS)
8	05:34:39		33 51	118 19	B	2.5	Near Torrance
8	15:14:31		35 51	116 26	C	2.8	West of Tecopa
10	04:12:53		34 21	118 45	C	3.3	Near Camulos
10	17:03:51		37 17	118 18	C	2.5	North of Big Pine
13	11:01:35		34 00	116 59	B	2.9	North of Beaumont
13	17:16:00		32 58	115 32	C	4.2	Near Brawley; felt generally in Imperial Valley (press)
13	17:45:52		32 58	115 32	C	3.3	Near Brawley
13	17:46:34		32 58	115 32	C	4.1	Near Brawley
15	10:47:59		33 29	116 30	B	4.8	Near Santa Rosa Mountain. Felt as far as Riverside, Carrizo Gorge, Hayfield station (CGS)
15	10:49:57		33 29	116 30	B	4.8	Near Santa Rosa Mountain
15	12:20:50		33 29	116 30	B	3.2	Near Santa Rosa Mountain. Other smaller aftershocks recorded.
19	16:44:17		34 20	117 30	B	2.8	Cajon Pass
22	00:10:47		33 26	116 30	B	3.2	Near Santa Rosa Mountain
25	03:23:28		33 58	115 43	C	3.5	Pinto Mountains
<u>March</u>							
2	21:32:11		32 55	116 16	C	3.1	West of Carrizo
4	02:21:54		34 22	117 01	B	3.0	Northwest of Big Bear
6	02:54:18		34 01	119 00	C	2.9	Southeast of Point Mugu
10	05:35				D	2.7±	Felt at Arlight, Santa Barbara County (CGS)
10	15:52:25		34 04	116 52	B	3.9	Upper Mill Creek. Felt at Fawnskin, Hemet, Riverside (CGS).
11	20:50:43		33 54	118 44	B	2.9	Santa Monica Bay
13	01:12:40		37 08	118 38	C	2.8	West of Big Pine
14	05:01:49		33 51	118 41	C	3.3	Santa Monica Bay. Felt in West Los Angeles, Bel-Air, North Hollywood, Encino, Van Nuys (press)



1951
March

(continued)

15	13:50:43	35 01	120 29	C	3.8	Near Santa Maria. Felt at
						Los Alamos (CGS, press)
19	12:26					Small. Felt at Long Beach
						(press, telephone)
19	12:43					Similar to preceding
20	09:29				3.8±	Coast Range
21	17:10:46	33 53	116 18	B	2.6	Near Whitewater
21	20:26:31	33 53	116 18	B	2.7	Near Whitewater
22	08:43:56	33 44	118 59	C	2.6	North of Santa Barbara Island
24	10:19:44	33 55	116 18	B	2.7	North of Thousand Palms
26	00:25:56	35 00	118 56	B	3.6	Near Grapevine
26	06:07:34	34 37	119 30	C	3.5	Northeast of Santa Barbara.
						Felt at Ventura (press), Ojai, Summerland (CGS)
29	23:39:29	33 17	116 02	B	4.4	West shore of Salton Sea.
						Felt at Campo, Ramona, Valley Center, San Diego (CGS)
30	03:02:59	33 17	116 02	B	3.7	West shore of Salton Sea
31	02:01:54	36 02	117 48	B	2.7	Near Coso Hot Springs. Felt
						at Haiwee (CGS)



C. F. Richter
 Clarence Allen
 July 10, 1951

PASADENA LOCAL SHOCKS
April, May, June, 1951



No. 2

Date	G.C.T.	Lat. N	Long. W	Q	M	Remarks
<u>April</u>						
1	19:21:10	40 $\frac{1}{2}$	25		5.0	Off Cape Mendocino, Calif.
	Felt at Ferndale (CGS)					
4	02:19:48	33 54	116 10	B	3.3	Little San Bernardino Mts.
5	04:04:59	35 03	116 52	B	2.9	Northeast of Barstow
5	04:16:57	34 05	117 33	B	2.4	Near Cucamonga
12	06:20:10	32	113		4.2	Epicenter by USCGS
13	16:41:20	33 59	118 36	B	3.4	Off Santa Monica. Felt in
	Los Angeles (press)					
13	23:48:04	34 17	118 32	B	2.2	Near Chatsworth
14	12:44:03	34 18	118 33	B	2.3	Near Chatsworth
21	05:03:15	33 29	116 20	B	3.9	Santa Rosa Mountains. Felt
	at Julian (CGS)					
24	12:51:34	36 44	116 00	C	3.0	Near Frenchman's Flat, Nev.
25	07:20:46	34 10	118 44	C	3.2	Northwest of Santa Susana
27	00:31:37	35 29	118 03	C	2.8	South of Walker Pass
<u>May</u>						
3	20:28:10	38.5	120		3.5	South of Lake Tahoe.
	Epicenter and origin time by USCGS					
4	03:28:38	36 19	120 14	C	3.2	Northeast of Coalinga
4	20:08:12	36 19	120 14	C	3.4	Northeast of Coalinga
6	03:18:04	36 19	120 14	C	3.3	Northeast of Coalinga
13	02:19:15	35 15	119 04	C	3.2	Southwest of Bakersfield
14	07:23:05	34 20	116 52	B	2.6	North of Big Bear
21	03:42:01	34 22	119 27	C	2.7	Near Carpinteria
25	05:01:21	36 19	120 14	C	3.2	Northeast of Coalinga
27	06:19:52	34 15	117 22	B	3.0	Shallow. Cajon Pass
29	05:08:24	35 05	119 39	C	3.2	Elkhorn Hills, southwest of
	Taft. Felt in Cuyama Valley (CGS)					
31	18:29:59	34 40	116 55	B	2.8	South of Daggett
<u>June</u>						
5	12:29:06	37 20	118 30	C	3.1	Near Bishop
6	02:47:50	34 55	119 00	C	2.6	Near Tejon Pass
7	09:53:53	33 56	116 22	B	3.0	North of Willis Palms
9	11:29:18	33 30	116 31	B	3.0	Near Santa Rosa Mountain
10	02:56:04	33 01	116 23	B	3.0	Northwest of Vallecito
10	10:55:45	33 30	116 31	B	2.3	Near Santa Rosa Mountain
10	14:48:07	34 10	116 36	B	2.9	North of Morongo Valley
10	22:26:00	34 07	116 33	B	2.9	Northeast of Morongo Valley
10	22:27:42	34 07	116 33	B	2.2	Northeast of Morongo Valley
11	03:38:16	33 57	118 10	B	2.6	Near Bell
12	03:13:09	36 10	117 52	B	2.1	Near Haiwee. Felt there
	(Mr. Crowell).					
12	14:16:03	36 10	117 52	B	2.0	Near Haiwee. Not reported. Felt!
12	22:21:21	36 10	117 52	B	3.1	Near Haiwee. Felt there
	(Mr. Crowell).					
13	19:39:36	36 10	117 52	B	2.4	Near Haiwee. Felt there
	(Mr. Crowell).					
14	09:26:01	36 24	116 57	C	3.0	Death Valley
15	15:43.4				3.6	Nevada; IV at Boulder City
16	05:52:56	37 05	117 05	C	4.5	Northwest of Beatty, Nevada
16	07:27:03	37 05	117 05	C	3.0	Northwest of Beatty, Nevada
16	14:48:19	37 05	117 05	C	3.1	Northwest of Beatty, Nevada
16	19:01:17	34 24	120 05	C	3.3	West of Santa Barbara
16	23:05:35	37 28	118 25	B	3.1	North of Bishop
17	16:01:08	32 08	116 31	C	3.5	East of Ensenada, Lower
	California					
17	23:52:42	32 08	116 31	C	3.2	Lower California
18	03:15:44	33 48	118 24	B	2.7	Off Redondo Beach
19	06:14.0	36.3	120.6	D	3.4	Region of Coalinga



June	(continued)						
20	22:08.0	32.0	115.5	D	3.8	Vicinity of Volcano Lake, Lower California. First of a swarm.	
20	22:35.9	32.0	115.5	D	4.3	Vicinity of Volcano Lake. Largest of swarm. Many smaller shocks unmeasured.	
21	18:40:22	33 27	116 41	C	2.9	Northeast of Palomar	
22	04:29:03	33 50	117 57		2.7	Near Anaheim. Slight damage to old plaster at Brea; felt at Fullerton (CGS, press)	
23	03:32:40	31½	113½		4.9	Gulf of California. Epicenter and origin time by USCGS	
25	16:14:51	33 58	116 20	B	3.1	Little San Bernardino Mts.	
25	19:45:41	35 47	117 57	B	4.6	West of Brown. Followed by many smaller aftershocks. Felt at Lemon Cove, Kernville, Trona, Haiwee (CGS)	
26	01:26:39	35 47	117 57	B	4.4	Aftershock. Felt at Haiwee	
26	02:00:31	35 47	117 57	B	3.5	Aftershock	
26	02:06:14	35 47	117 57	B	3.6	Aftershock	
26	02:19:33	34 12	117 24	B	2.8	Near Devore	
28	19:12:26	33 47	117 57	B	2.8	West of Brown	
29	21:13.4	33.2	115.8	D	3.4	West shore of Salton Sea. One of a numerous swarm.	
29	21:29.6	33.2	115.8	D	3.5	West shore of Salton Sea. Largest of swarm.	
Add:							
26	10:10:19	33 47	117 57	B	2.8	West of Brown	



C. F. Richter
September 12, 1951

PASADENA LOCAL SHOCKS
July, August, September, 1951

No. 3

Date	G.C.T.	Lat.N	Long.W	Q	M	Remarks
1	00:16:19	35 47	117 57	B	3.7	West of Brown. Felt at Haiwee
1	00:57:19	35 47	117 57	B	2.7	West of Brown
1	08:08:56	34 05	116 42	B	3.2	Near Mt. San Geronimo
July 2	17:59:16	35 47	117 57	B	2.9	West of Brown
3	16:28:48	36.3	120.2	D	3.2	North east of Coalinga
3	19:08:00	35 47	117 57	B	3.0	West of Brown
7	05:53:33	34 45	120 45	C	3.5	West coast of Santa Barbara Count
9	09:06:22	32 07	116 05	C	4.2	West of Laguna Salada (Mexico)



11	03:08:42	34 00	118 52	C	3.4	Near Point Dume
12	16:05:45	33 45	116 07	C	3.3	East of Indio
14	22:47:53	35 47	117 57		2.9	West of Brown
15	14:19:11	32.2	117.0	D	3.4	Near the coast of Lower Calif.
16	10:42:00	32 35	115 38	C	3.9	Southwest of Mexicali, felt east of San Diego (CGS).
16	13:01:53	32 35	115 38	C	3.0	Southwest of Mexicali
17	14:50:33	34 00	116 30	B	3.2	Near Desert Hot Springs
18	23:32:01	35 47	117 57		2.9	West of Brown
27	02:05:25	35 45	118 32	C	3.5	West of Kernville. Felt there and at Glenville and Kern River station No. 3 (CGS).
28	03:44:43	34 00	118 25	C	2.8	Near Culver City. Felt, Crenshaw-Wilshire district, Los Angeles (press)
28	11:29:38	35 47	117 57	B	3.5	West of Brown
28	11:36:34	34 47	117 57	C	2.9	West of Brown
29	10:53:44	36 $\frac{1}{2}$	121 $\frac{1}{2}$		5.4	Epicenter and origin time by CGS. Intensity VI in San Benito County.
29	11:47:50	33 55	120 20	D	3.5	Near San Miguel Island

AUGUST

4	03:04:48	33 12	116 16	C	3.2	Near Borego Valley
5	08:33:51	33 12	116 00	B	3.2	Near McCain Spring, west of Salton Sea
5	10:05:46	33 12	116 00	B	2.9	Aftershock
5	10:49:33	33 12	116 00	B	2.6	Aftershock
6	09:05:03	36 $\frac{1}{2}$	121 $\frac{1}{2}$		4.6	Epicenter and origin time by USCGS. Felt at Hollister, King City, etc.
8	17:42:33	34 00	116 28	B	2.8	Near Desert Hot Springs
9	17:36:49	34 00	116 28	B	3.0	Near Desert Hot Springs
10	11:30:08	33 16	115 40	C	4.4	West of Niland. Foreshocks and aftershocks recorded. Seismograms peculiar. Felt at El Centro and San Diego (CGS).
10	11:55:49	33 16	115 40	C	3.3	Aftershock. Smaller shock 2 minutes later.
11	01:37:44	34 17	116 58	B	2.6	Near Fawnskin (Big Bear Lake)
15	07:23	33.5	118.2	C		Felt at Long Beach. Damage to wells, Terminal Island area
15	12:27:09	33 12	116 00	B	4.0	Near McCain Spring, as on Aug. 5
16	12:53:28	35 42	118 08	B	3.0	Near Walker Pass
16	16:37				5 \pm	Gulf of California?
17	09:37:43	35 20	116 57	C	3.0	Vicinity of Goldstone, Mojave Desert
17	15:38:52	34 02	116 29	B	2.8	Near Desert Hot Springs
18	00:05:35	35 18	118 56	C	2.6	Near Bakersfield
19	14:40:27	33 33	117 17		3.3	Near Murrietta. Felt at Wildmar (CGS)
21	09:04:56	33 40	118 18	C	2.6	Off San Pedro. Felt there (telephone, San Pedro News Pilot).
21	14:57:10	34 02	117 02	C	2.7	Near Yucaipa
23	02:13:34	34 00	115 40	C	3.0	Pinto Basin
23	02:14:29	34 00	115 40		3.4	Pinto Basin
23	14:08:11	33 57	116 54	C	3.2	Near Banning. Felt at Cabazon (CGS)
25	01:28:01	33 57	117 02	B	2.9	Near Beaumont
26	15:23:14.8	34 05	118 03	A	2.5	Southwestern Alhambra. Felt in Alhambra, San Gabriel, eastern Pasadena

(continued)

AUGUST (continued)

27	01:33:36	34 18	116 30	C	3.5	East of San Bernardino Mts.
27	15:04:48	32 43	116 40	C	2.5	Near Barrett Reservoir
28	22:12:27	34.6	121.0	D	3.5	Off the coast, west of Point Arguello. Felt at Los Alamos (CGS).
30	16:54:01	36 08	118 00	B	2.4	Very near Haiwee
31	04:41:38	33 32	116 25	C	3.0	Near Santa Rosa Mountain
31	09:10:10	33 18	116 17	B	3.4	Near Clark Dry Lake



SEPTEMBER

1	13:29:55	34 18	117 07	B	2.3	Northeast of Lake Arrowhead
2	06:10:13	34 00	116 45	C	3.2	North of Cabazon
2	07:35.9	32.6	115.6	D	3.5	West of Calexico
2	11:00:21	35 39	118 03	B	2.9	Walker Pass
2	16:27:32	31	117		5.2	Off Lower California. Epicenter and origin time by USCGS. Felt by many at San Diego.
7	03:33:18	33 57	118 20	C	3.3	Felt, Inglewood area (press); El Segundo, Torrance, Manhattan Beach (CGS)
9	08:05:07	34 10	119 09	C	2.6	Near Oxnard
9	18:49:35	38.2	118.7	D	4.0	Excelsior Mts., Nevada
12	00:28:51	35 36	118 11	F	3.0	Walker Pass area
16	16:57:54	34 22	116 26	B	3.0	East of Old Woman Springs
17	21:52:09	34 22	116 26	B	2.8	East of Old Woman Springs
20	13:55:51	33 55	118 25	C	2.6	Near El Segundo. Felt there (press)
22	00:56:00	34 35	118 40	C	2.6	Ridge Route north of Newhall
22	08:22:39.5	34 07	117 20	A	4.3	Near San Bernardino; h = 8 km. Felt from Banning to Riverside (press). Felt at Lake Arrowhead and Baldwin Park (CGS).
22	08:25:16	34 07	117 20	B	2.7	Near San Bernardino
23	07:09:13	33 53	115 42		3.4	Pinto Basin
28	05:08:12	33 58	117 29	B	3.1	Felt at Riverside (press). Near Pedley
29	12:32			D	3.8	San Benito County
29	16:32			D	3.0	
30	05:31.1			D	3.1	West of Mono Lake?
30	15:49:41	33 15	116 23	B	3.8	Near Borego Postoffice
add:						
3	21:34:38	34 11	117 19	C	2.6	North of San Bernardino

C. F. Richter
 G. G. Shor
 December 3, 1951

PASADENA LOCAL SHOCKS
October, November, December, 1951

No. 4

Date	G.C.T.	Lat.N	Long.W	Q	M	Remarks
<u>October</u>						
1	23:28:32	36 00	118 01	C	2.5	Near Haiwee
3	13:44:33	35 55	120 31	C	3.8	Coast Range. Near Parkfield
3	14:45:14	36 18	121 18		4.2	San Benito County. Epicenter and origin time by Berkeley.
6	05:12:51	33 57	117 15	B	2.5	Southeast of Riverside
8	04:10:35	40 17	124 48		6.0	Felt in Humboldt County (maximum VII). Epicenter and origin time by U.S.C.G.S.
11	02:24:56	35 02	116 43	C	2.7	Northwest of Manix
12	01:18:08	35 28	118 12	C	2.7	Near Piute Peak. Felt at Jawbone aqueduct station (CGS).
12	03:12:22	33 40	118 00	C	2.5	Near Huntington Beach
16	12:41:05	34 10	116 59	B	4.0	South of Big Bear. Felt at Colton, Riverside, San Bernardino, Whitewater (press and tele- phone), Big Bear (telephone). Fawnskin, VI (CGS).
21	16:58:11	34 08	118 34	C	2.2	Santa Monica Mountains
22	01:14:28	34 09	117 20	A	3.2	Near San Bernardino
25	13:48:14	33 52	118 05	B	2.3	Near Artesia; felt Lakewood, Bellflower and Artesia (phone, L.A. Times), L.A. Airport (CGS).
26	08:50:37	33 52	118 05	B	2.2	Near Artesia. Felt in the same area as the preceding.
26	16:25:40	34 25	119 44	C	3.0	Southwest of Santa Barbara
28	07:19:34	34 56	118 55	C	2.9	Near Grapevine Station
28	17:47:49	33 08	116 23	B	3.1	San Felipe Valley east of Julian
31	20:58:19	36 54	121 25		4.7	Near Hollister. VI at Hollister Epicenter and origin time according to Berkeley



November

1	18:23:03	34 00	118 24	C	2.5	Near Culver City. Felt near Adams and La Brea, Los Angeles (phone)
4	19:42:54	34 15	117 07	B	2.6	Blast? Near Lake Arrowhead
4	21:02:23	34 43	117 04	B	2.6	Northeast of Victorville
5	13:05:19	33 44	119 23	C	3.0	Channel Islands, south of Anacapa
6	01:27:48	35 40	118 00	C	2.9	Near Inyokern
6	01:27:55	35 40	118 00	C	2.9	Near Inyokern
10	03:39:07	34 29	116 17	B	3.3	South of Ludlow
10	08:29:06	34 29	116 17	B	2.9	South of Ludlow
13	11:24:42	40.4	125.3		4.8	IV in Humboldt County. Epicenter and origin time by Berkeley.
14	08:39:53	40 26	124 03		4.9	VI at Eureka. Epicenter and and origin time by Berkeley
14	23:55:03	32 57	116 15	C	4.1	Southeast of Vallecito; felt at Campo, Hipass, Mt. Helix (CGS)
15	00:25:14	33 54	119 16	B	2.7	Southeast of Anacapa Island
15	16:40:02	34 19	118 42	C	2.7	Near Santa Susana
17	03:19:08	34.7	120.5	D	2.5	Near Lompoc. Felt at Los Alamos (CGS).
17	04:20:28	34 55	119 02	C	3.4	Near Lebec
17	13:07:28	33.1	116.0	D	3.2	Region of Vallecito Mtns.
18	00:57:10	34 27	118 42	C	3.0	West of Newhall
18	19:38:18	35 46	118 00	C	3.0	North of Walker Pass
19	01:30:10	31 49	115 48	D	3.8	East of Ensenada, Baja Calif.
20	19:05:45	34 03	117 35	B	2.3	Near Guasti. Shallow
22	10:09:19	34 32	116 10	C	3.0	South of Ludlow
23	11:40:07	34 03	117 16	C	2.9	Northeast of Riverside
24	01:40:17	34 03	117 35	B	2.7	Near Guasti
25	21:31					Near Pasadena; data insufficient
25	23:15:39	35 20	119 30	B	3.8	East of McKittrick
26	19:25:11	34 20	119 06	C	3.0	Northeast of Ventura
28	04:49:50	38.0	119.0	D	4.0	Vicinity of Mono Lake
29	22:24:40	35 40	118 07	C	3.2	Walker Pass

December

3	18:08:54	34 02	117 17	C	2.5	Northeast of Riverside
	Felt at San Bernardino (09:59) (press)					
3	18:18:46	34 02	117 17	C	2.7	Northeast of Riverside
	Felt at San Bernardino (press)					
4	07:03:50	32 54	118 21	C	3.4	Near San Clemente Island
5	15:53:14	33.1	115.4	D	4.5	Minor damage near Mulberry (east of Niland). Felt at San Diego and in Arizona (press)
5	16:21:15±	33.1	115.4	D	3.7	Aftershock
5	16:58:11±	33.1	115.4	D	3.8	Aftershock
5	21:26:42±	33.1	115.4	D	3.7	Aftershock
7	05:50:31	32 54	118 21	C	2.9	Near San Clemente Island
10	05:04:40	34 27	116 46	B	2.9	Northwest of Old Woman Springs
11	08:04:06	33 4½	118 04	B	2.2	Off Huntington Beach
13	06:44					Seismograms peculiar. Felt (?) at Mt. Laguna (CGS)
14	09:57:17	33 57	116 33	B	3.0	Near Desert Hot Springs
14	11:50:09	33 56	118 18	C	3.3	Near Inglewood. Shallow. Felt from Los Angeles to Redondo (press)
15	05:33:46	35 15	119 07	C	2.9	Southwest of Bakersfield
15	05:41:59	35 15	119 07	C	3.4	Southwest of Bakersfield
16	21:58:12	33 06	115 34	C	3.5	Near Calipatria
16	22:33:09	33 06	115 34	C	3.8	Near Calipatria
18	03:46:20	33 06	116 27	C	2.8	East of Niland
19	04:51:53	34 28	116 42	B	2.9	Near Old Woman Springs
20	04:13:06	36 00	120 03	C	3.7	Near Kettleman City
23	00:00:21	33 57	117 02	C	3.0	Near Beaumont
24	10:38:46	34 00	119 05	C	2.4	Off Point Mugu
26	00:46:54	32 49	118 21	B	5.9	Near southeast point of San Clemente Island. Felt generally, Ventura to San Diego, inland to Thermal
26	03:12:39	34 45	118 55	C	2.8	Near Gorman
28	02:49:27	37 34	118 35	B	5.2	Near Owens River Gorge. Felt there sharply (rock slides); felt at least from Bishop to Fresno (CGS)
28	08:23:57	34 58	118 38	B	3.1	Southwest of Tehachapi
29	17:59:23	34.3	118.8	D	2.5	Near Santa Susana
30	17:11:36	36 03	117 49	C	2.7	Southeast of Haiwee
30	23:12:05	33 03	116 23	B	3.1	Vallecito Mountains
31	16:25:25	34 10	118 48	C	2.6	South of Simi

C. F. Richter
 G. G. Shor
 April 23, 1952

