

SEISMOLOGICAL LABORATORY  
California Institute of Technology

Bulletin on Local Shocks  
January-March, 1955



This issue catalogues earthquakes in the general Southern California area for which seismograph data are sufficient to make good epicenter locations. In general this includes shocks of magnitude 3.0, in the area within the boundary indicated on the index map circulated with the preceding issue. Large shocks in adjacent area are also listed. Smaller shocks are included when reported as felt, or when circumstances are unusually favorable for location, or when there is some special reason for interest.

Aftershocks of the major earthquake in Nevada on December 16, 1954, are listed when of magnitude 4.5 or over, with a few smaller ones of special interest.

A separate supplementary sheet is enclosed with this issue, giving addenda for October-December, 1954.

Dates and times are given in terms of Greenwich Civil Time (G.C.T.). For Pacific Standard Time subtract 8 hours, for Pacific Daylight-saving Time subtract 7 hours; this will sometimes change the date. Time given is that of origination of the shock, to the nearest second (when possible; sometimes only the tenth of a minute or the whole minute is given).

Latitudes and longitudes are in degrees and minutes, or degrees and tenths. Magnitudes appear in the column headed M.

Letters and numbers headed Index, as K7, refer to the index map.

Under Q is a rating for the quality of location:

- A - specially investigated.
- B - probably within 5 kilometers (or 3 miles)
- C - probably within 15 kilometers (or 10 miles)
- D - very rough

USCGS, or CGS - abbreviation for United States Coast and Geodetic Survey (reports of felt earthquakes as collected by the San Francisco office, Seismological Field Survey; epicenters and origin times determined at the office of the Director, Washington, D.C.)

Charles F. Richter

May 25, 1955



## PASADENA LOCAL SHOCKS



No. 1	January, February, March, 1955					
Date	G.C.T.	Lat.N.	Long.W.	Q	M	Remarks
Jan. 1	12 13 54	39	118		5.1	J15 East of Fallon. Origin time by USCGS.
2	03 36 20	32 46	118 08	C	3.2	J2 Off San Clemente Island.
2	04 49 36	33 47	118 13	C	2.1	J4 Near Long Beach
2	10 35 42	33 49	118 11	C	2.4	J4 Near Long Beach
4	04 47 54	36 10	117 55	C	3.2	K9 Near Haiwee; felt there (IV, CGS)
7	03 36 01	35 40	118 08	B	3.1	J8 Near Walker Pass
7	14 59 22	34.4	119.6	D	3.0	F5 Off Santa Barbara
9	09 10 50	39	118		5.0	J15 Nevada. Epicenter and origin time by USCGS.
10	10 07 28	37	114.5		4.4	R11 Southeastern Nevada. Epicenter and origin time by USCGS.
10	13 15 54	40	118.5		4.0	J15 Nevada. Epicenter and origin time by USCGS.
11	00 53 37	33 56	118 00	C	1.8	J4 Near Huntington Beach
11	10 21	39	118		4.7	J15 Nevada
12	21 36 22	34 05	118 00	B	1.5	J5 Puente Hills
13	02 58 48	33 25	118 16	B	2.7	J3 San Pedro Channel
13	04 17 36	33 26	118 13	B	2.6	J3 San Pedro Channel
13	05 13 50	33 29	118 15	B	2.9	J3 San Pedro Channel
13	23 35 48	32 59	116 20	B	3.2	N2 Near Vallecito
15	01 03 06.9	34 57	118 58	A	4.3	H6 Near Fort Tejon
15	03 03 44	34 57	118 58	B	3.6	H6 Near Fort Tejon
16	04 51 04	35 05	118 56	B	3.5	H7 Near Wheeler Ridge
16	04 58 37	35 05	118 56	B	2.5	H7 Near Wheeler Ridge
19	02 10 07	39 1/2	118 1/2		4.4	J15 Nevada. Epicenter and origin time by USCGS.
19	02 16	39	118		4.3	J15 Nevada
19	03 29	39	118		4.5	J15 Nevada
19	22 02 33	33 38	117 50	C	2.3	K4 Near Huntington Beach. Felt there according to Mr. M.G. Murray.
21	11 57 44	37 09	118 20	B	3.8	J11 Near Big Pine. IV at Tinemaha (CGS)
21	12 02 18	35 18	118 34	B	3.1	H7 Near Caliente
21	12 20 59	37 09	118 20	B	4.0	J11 Near Big Pine. IV at Tinemaha (CGS)
22	18 57 23	33 09	116 07	B	3.4	N3 Borego Valley
22	20 24 50	35 21	118 29	C	2.8	J7 Northeast of Caliente
23	00 09 48	35 08	119 02	B	2.9	G7 North of Wheeler Ridge
23	11 17 09	33 38	116 48	B	3.3	M4 Northwest of Anza
24	05 46 36	33 54	117 54	B	2.1	K4 Near La Habra
25	12 23	33 46	118 13			J4 Damaging slide at Terminal Island; oil production affected. Recorded as an earthquake.
25	23 26	39	118		4.7	J15 Nevada
26	17 16 48	35 23	118 37	B	3.1	H7 North of Caliente



Jan.	Time	Lat	Long	Mag	Depth	Station	Notes
28	12:10:20	33 49	115 28	C	4.3	Q4	North of Niland. VI at Hayfield pumping plant, near Desert Center (CGS)
28	15:37				4.5	J15	Nevada
31	09:41:35	35 08	118 36	B	2.8	H7	Cummings Valley (west of Tehachapi)
<u>Feb.</u>							
2	21:27:01	35 22	118 37	B	3.0	H7	North of Caliente
3	21:29:26	35 37	118 30	B	3.0	J8	Near Bodfish. Felt at Isabella station.
5	07:10						Western San Joaquin Valley. Peculiar seismograms; location and magnitude doubtful. Artificial?
8	16:01:07	35 03	119 02	B	2.7	G7	Near Wheeler Ridge
9	15:51:16	35 23	118 32	B	2.8	H7	Northeast of Caliente
10	19:22:19	35 19	118 31	B	2.6	H7	East of Caliente
10	21:15:17	35 20	118 38	B	2.8	H7	Near Caliente
11	16:12	35	118		4.7	J15	Nevada
11	19:44:30.0	35 24	118 31	A	4.5	H7	Northeast of Caliente. Felt (V) at Tehachapi (CGS).
11	22:13:28	35 19	118 28	B	2.6	J7	East of Caliente
11	22:25:58	35 20	118 34	B	3.0	H7	East of Caliente
12	04:14:24	35 25	118 30	B	2.7	H7	Northeast of Caliente
12	11:29	39	118		4.6	J15	Nevada
12	11:34:38	35 02	118 54	B	2.8	H7	Near Wheeler Ridge
12	13:52:48	35 08	118 37	B	3.4	H7	West of Tehachapi; IV at Tehachapi (CGS)
13	00:23:03	36 58	118 14	B	4.1	J10	South of Tinemaha
13	03:49:29	35 19	118 27	B	3.4	J7	East of Caliente
13	05:05:27	35 20	118 25	B	2.8	J7	East of Caliente
15	05:58:13	33 43	118 39	C	2.2	H4	Santa Monica Bay
18	15:27:28	31 58	116 13	D	4.7	NO	East of Ensenada, Baja California. Felt at El Centro, Calexico, Descanso, Mt. Helix, El Cajon.
19	23:49	39	118		4.1	J15	Nevada
19	23:50	39	118		4.8	J15	Nevada
20	17:54	35 19	118 33	B	3.0	H7	East of Caliente
21	10:06:56	34 00	118 20	B	3.1	J4	Near Culver City. Felt at Leimert Park, Hawthorne, Huntington Park (IV), Inglewood, Santa Monica
23	14:28:22	33 48	118 27	B	2.6	J4	Near Point Vincente
23	19:43:58	33 49	118 05	B	2.8	J4	South of Artesia
25	18:29:47	34 02	117 29	B	2.6	L5	Near Mira Loma
26	19:40:58	34 58	119 00	B	3.0	H6	Near Wheeler Ridge
<u>March</u>							
1	22:38:00	35 15	118 40	B	3.6	H7	Southwest of Caliente
2	15:59:00	36 05	121 00	C	5.1	C9	South of San Lucas. VI at Adelaida, Bryson, Indian Valley, San Ardo, San Lucas, Templeton. Felt northward into Santa Cruz County, southward to Lompoc. (CGS)



March									
2	20:02:52	36 05	121 00	C	3.7	C9	Aftershock of preceding		
2	21:56:53	35 19	118 36	B	2.8	H7	Near Caliente		
5	00:11:52	34 27	116 43	C	2.7	M5	Near Old Woman Springs		
6	12:23:17	34 55	116 35	C	3.0	M6	South of Manix, Mojave Desert		
7	09:29:27	35 05	119 03	B	2.9	G7	North of Wheeler Ridge		
7	12:27:32	35 18	118 34	B	2.8	H7	Northeast of Caliente		
8	20:05	39	118		4.8	J15	Nevada		
9	01:54:57	34 28	116 45	B	2.8	M5	Northeast of Lucerne Valley		
9	01:55:32	34 28	116 45	B	3.2	M5	Northeast of Lucerne Valley		
9	02:26:27	34 28	116 45	B	2.9	M5	Northeast of Lucerne Valley		
9	10:48:34	35 24	118 33	B	2.8	H7	Near Caliente		
10	02:18:02	34 51	117 12	B	3.0	L6	Southwest of Barstow		
10	11:45:29	35 21	118 30	B	2.9	H7	East of Caliente		
10	14:53:09	33 53	117 48	B	2.5	K4	Near Yorba Linda		
12	19:54:04	34 02	117 25	B	2.5	L5	Near Riverside		
12	20:36:23	34 02	117 14	B	2.6	L5	Near Redlands		
13	08:40:23	40	118		4.3	J15	Nevada. Epicenter and origin time by USCGS.		
14	15:03:38	34 23	117 38	B	3.3	K5	Near Wrightwood (San Andreas fault?)		
14	18:23:46	39 1/2	118		4.7	J15	Nevada. Epicenter and origin time by USCGS.		
16	14:51:46	34 03	116 22	B	3.3	N5	Little San Bernardino Mts.		
17	09:25:59	33 51	117 54	B	2.5	K4	Near Anaheim		
17	09:51:02	34 25	117 10	B	2.7	L5	Near Anaheim		
19	03:20:02	35 18	118 33	B	3.3	H7	East of Caliente		
19	06:30:02	35 18	118 32	B	3.0	H7	East of Caliente		
22	04:06:06	39 1/2	118 1/2		4.4	J15	Nevada. Epicenter and origin time by USCGS.		
26	14:16:06	33 02	116 23	B	3.4	N3	North of Vallecito.		
26	14:45:12	33 38	117 58	B	2.4	K4	Near Huntington Beach. Felt there (IV; M.G.Murray).		
30	09:24	39	118		4.6	J15	Nevada		

Charles F. Richter

May 25, 1955





SEISMOLOGICAL LABORATORY  
California Institute of Technology



Bulletin on Local Shocks

April-June 1955

Date	G.C.T.	Lat. N	Long. W	Q	M	Index	Remarks
<u>April</u>							
1	14:53:39	34 02	117 13	B	2.7	L5	Near Bryn Mawr
2	09:18:12	34 12	117 27	B	2.8	L5	Near Devore
2	20:28:22	35 04	118 55	C	2.8	H7	Near Wheeler Ridge
3	13:43:52	33 51	117 49	B	2.8	K4	Near Olive
3	15:01:38	34 03	117 14	B	2.9	L5	Near Bryn Mawr
4	02:19:28	33 05	117 50	B	2.9	K3	West of Ocean- side
4	04:24:55	33 51	118 31	B	2.8	H4	Off Hermosa Beach
6	10:13:33	35 20	118 36	B	3.2	H7	North of Caliente
6	20:28:44	35 10	119 05	C	2.8	G7	North of Wheeler Ridge
10	03:45:10	34 30	116 23	C	2.4	N5	Bullion Mts.
10	19:39:45	35 06	118 32	B	3.0	H7	West of Tehachapi
11	07:39:15	32 58	117 48	B	2.7	K2	S. E. of Cata- lina Island
12	06:59:52	34 25	116 58	B	3.0	M5	Lucerne Valley
13	20:58:37	34 24	118 42	B	2.8	H5	Near Piru
18	00:04:19	33 49	118 40	C	2.7	H4	Santa Monica Bay
21	01:56:07	35 25	118 31	B	2.9	H7	Northeast of Caliente
21	03:37:52	35 11	118 41	B	2.8	H7	Bear Mountain
21	10:28:58	34 12	117 31	B	2.5	K5	Near Glenn Ranch
25	01:59:52	35 12	118 35	B	3.0	H7	Near Bear Mt.





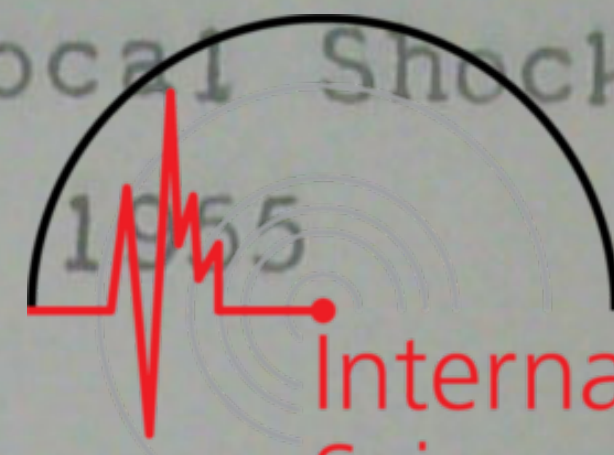
Date	G.C.T.	Lat. N	Long. W	Q	M	Index	Remarks
<u>April</u>							
25	02:55:15	33 27	116 41	B	4.0	M3	East of Aguanga. Waked sleepers, 7 miles west of Hemet (letter); felt, East San Diego (press)
25	10:43:08	32 20	115 00	D	5.2	Q1	Vicinity of Volcano Lake. El Centro, V; San Diego, III; Yuma, III (CGS).
26	23:18:43	34 41	116 59	B	2.8	M6	South of Daggett
<u>May</u>							
2	04:01:47	34 03	116 18	B	2.6±	N5	Little San Bernardino Mts.
2	07:25:21	35 18	118 35	B	2.9	H7	Near Caliente
2	13:45:23	35 12	118 36	B	2.9	H7	Near Bear Mountain
4	07:01:24	35 04	119 02	B	2.7	G7	Near Wheeler Ridge
4	13:14:	32	115	D	4.0±	Q1	Lower California
4	17:05:36	35 22	118 51	B	2.7	H7	Near Edison
7	11:50:40	39	122 ½		5	A15	Strong in Lake County, Epicenter and origin time by USCGS.
7	14:57				4.7±	A15	Aftershock, Lake County
7	17:39:24	34 08	117 27	B	2.2	L5	Near Fontana
8	10:38:	39½	118		4.9	J15	Nevada
10	04:38:40	33 10	115 46	D	4.3	P3	Near south end of Salton Sea
11	17:31:10	34 56	119 06	B	2.8	G6	Wheeler Ridge
11	19:48:28	32 54	115 31	D	3.0	P2	Near El Centro
12	01:17:33	34 33	117 28	B	2.3	L6	North of Cajon Pass
13	08:09:48	35 23	118 37	B	3.1	H7	North of Caliente
15	04:53:39	34 11	117 01	B	3.2	L5	West of Big Bear
15	17:03:26	34 05	117 28	B	4.0	L5	Near Fontana. Felt at San Bernardino (press); Colton, Corona, Fontana, Rialto (P. T. and T. Co.)
16	18:22:52	36 01	120 31	C	3.7	D9	North of Parkfield
20	17:02:53	34 57	119 03	B	3.0	G6	Wheeler Ridge
22	11:06:47	35 25	118 45	B	3.0	H7	North of Edison





Date	G.C.T.	Lat. N	Long. W	Q	M	Index	Remarks
<u>May</u>							
23	20:38:10	34 17	116 44	C	2.9	M5	East of Baldwin Lake
25	22:00:28	36 08	117 52	B	3.4	K9	East of Haiwee. IV at Coso Junction (CGS).
26	22:17:37	35 23	118 38	C	3.0	H7	North of Caliente
27	09:48:39	34 18	116 42	B	3.1	M5	East of Baldwin Lake
28	19:44:20	35 34	118 14	A	4.5	J8	Southeast of Weldon. Tehachapi V, Kern Canyon IV (CGS). Felt sharply at Little Lake (letter). IV at cabin near Sageland (telephone report to Laboratory).
29	16:43:35	34 01	119 05	B	4.1	G5	Felt at Long Beach, East Los Angeles, Malibu Beach, Santa Barbara (press); Agoura (CGS): Manhattan Beach (Mr. D. Downing)
30	19:15:32	34 15	116 08	B	3.7	N5	Northwest of 29 Palms
30	21:28				4.6	J15	Nevada
<u>June</u>							
2	09:19:27	35 04	118 34	B	3.3	H7	West of Tehachapi, IV at Tehachapi (CGS)
4	08:45:53	35 21	118 31	B	3.6	H7	Northeast of Caliente
4	12:45:36	35 20	118 35	B	3.2	H7	North of Caliente
5	21:49:46	35 03	119 07	B	3.1	G7	Northwest of Wheeler Ridge
6	14:31:16	35 04	119 04	B	3.4	G7	North of Wheeler Ridge
7	15:21:13	35 20	118 36	B	3.1	H7	North of Caliente
8	10:06:20	35 23	118 36	B	3.0	H7	North of Caliente
8	12:22				4.5	J15	Nevada
8	12:42:21	33 58	117 58	B	2.5	K4	Near La Habra
8	15:06:52	35 20	118 31	B	2.6	H7	Northeast of Caliente
9	02:58:00	35 09	118 56	B	2.9	H7	Northeast of Wheeler Ridge
9	16:56:19	35 02	116 41	B	2.7	M7	West of Manix





Date	G.C.T.	Lat. N	Long. W	Q	M	Index	Remarks
<u>June</u>							
10	02:13:58	35 23	118 28	B	2.7	J7	Northeast of Caliente
10	16:03:47	35 21	118 35	B	2.7	H7	North of Caliente
10	18:26:37	37 30	118 41	B	4.0	H11	West of Bishop.
	Felt at Bishop (press); IV at Laws (CGS)						
14	07:47:09	32 58	115 32	C	3.8	P2	Near Brawley. V at El Centro (CGS)
15	09:30:02	32 27	115 28	C	3.1	Q1	Southeast of Calex- ico. Felt at El Centro (P. T. and T. Co.)
15	12:01:40	35 23	118 37	B	3.2	H7	North of Caliente
15	17:35:57	33 08	115 24	C	4.0	Q3	Near Calipatria
16	00:10:52	35 05	119 04	B	3.2	G7	North of Wheeler Ridge
17	15:30:46	33 10	115 27	C	3.1	Q3	Near Calipatria
18	01:08:36	33 05	115 21	C	3.7	Q3	East of Calipatria
19	19:20:				4.9	J15	Nevada
19	19:25:				5.0	J15	Nevada
19	22:24:53	35 04	118 58	B	3.2	H7	North of Wheeler Ridge
21	12:10:44	35 18	118 34	B	2.6	H7	Near Caliente
21	12:42:05	34 12	116 47	B	3.5	M5	Near Sugarloaf Mt., San Bernardino Mts.
21	13:16:17	33 56	119 13	C	3.0	G4	Southeast of Anacapa Island
22	15:43:42	34 26	116 56	B	3.2	M5	Lucerne Valley
24	02:18:30	35 24	118 37	B	3.2	H7	North of Caliente
24	03:04:34	35 08	118 40	B	3.0	H7	West of Cummings Valley
26	03:54:01	34 06	117 19	B	3.0	L5	Near San Bernardino
29	22:21:52	33 17	116 08	C	3.7	N3	West of Salton Sea
30	04:49:11	34 18	116 49	B	3.0	M5	Near Baldwin Lake
30	22:47:28	34 16	116 49	B	2.7	M5	Near Baldwin Lake

Charles F. Richter

Allan Sanford

August 29, 1955



SEISMOLOGICAL LABORATORY  
California Institute of Technology

Bulletin on Local Shocks

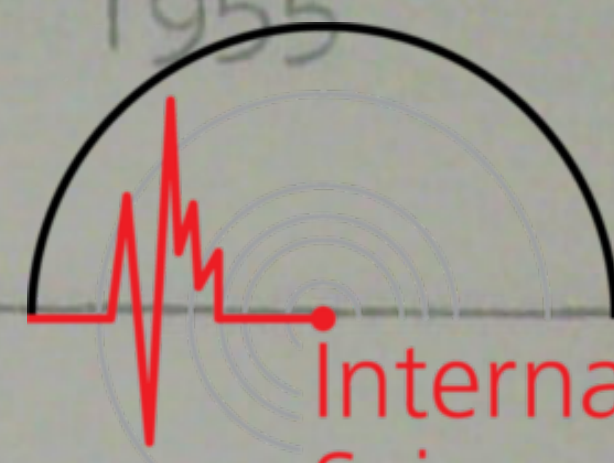


No. 3

July-September 1955

Date	G.C.T.	Lat. N.	Long. W.	Q	M	Index	Remarks
<u>July</u>							
2	16:29:39	34 25	116 38	B	4.2	M5	Near Old Woman Springs. IV at Fawnskin (CGS)
3	11:33:40	35 24	118 34	B	2.8	H7	Northeast of Caliente
3	11:47:27	35 22	118 33	B	2.5	H7	Northeast of Caliente
7	03:08:15	33 01	116 14	B	3.1	N3	East of Vallecito
8	21:15:22	34 28	118 55	B	3.0	H5	Near Fillmore
9	15:09:08	35 23	118 47	B	3.0	H7	East of Edison
9	08:25:32	35 25	118 42	B	3.1	H7	East of Edison
10	21:52:40	35 22	118 40	C	2.7	H7	East of Edison
10	22:27:21	35 22	118 42	B	2.4	H7	East of Edison
11	00:52:10	35 22	118 40	B	2.6	H7	East of Edison
12	19:12:38	34 36	118 57	B	3.0	H6	North of Fillmore. Felt at Santa Paula
13	11:24:48	35 27	118 43	C	2.5	H7	East of Edison
14	00:57:13	33 46	118 05	B	2.5	J4	Near Seal Beach
14	06:46:20	35 17	118 32	B	2.9	H7	East of Caliente
15	19:15:27	35 23	118 40	B	2.7	H7	East of Edison
16	02:32:15	33 23	116 28	B	3.3	N3	Near Santa Rosa Mountain. Felt at Hemet (letter). III at Fawnskin.
16	06:05:46	33 59	116 46	B	3.2	M4	North of Cabazon
16	11:39:48	34 02	116 43	B	3.6	M5	North of Whitewater. Felt at Hemet (letter)
19	02:04:26	35 22	118 30	B	4.1	H7	Northeast of Caliente. IV at Breckenridge Mountain (CGS)
22	21:02:21	34 02	116 35	C	3.0	M5	Morongo Valley
23	00:26:28	34 49	117 00	C	3.1	L6	South of Barstow
23	08:22:34	35 24	118 33	B	2.9	H7	Northeast of Caliente
23	22:38:48	35 22	118 30	B	3.4	H7	Northeast of Caliente
24	07:34:33	35 20	118 35	B	3.6	H7	Northeast of Caliente
27	01:35:02	33 52	117 11	B	3.3	L4	Northwest of Lakeview. Felt at Riverside (P.T. and T. Co.)
28	13:44:21	35 16	118 37	B	3.5	H7	South of Caliente
<u>August</u>							
3	16:49:05	33 57	116 56	B	3.7	M4	Northeast of Beaumont. Felt at Yucaipa.
5	11:55:57	35 03	116 55	B	3.2	M7	Calico Mts.
5	18:34:28	33 30	116 34	B	3.4	N3	West of Santa Rosa Mountain
5	18:50:44	33 30	116 34	B	2.9	N3	West of Santa Rosa Mountain
7	10:05:42	35 56	117 52	B	3.5	K8	Near Little Lake
7	10:36:37	35 19	118 30	B	3.1	H7	East of Caliente





International  
Seismological  
Centre

Date	G.C.T.	Lat. N.	Long. W.	Q	M	Index	Remarks
<u>August</u>							
8	03:21:51.0	35 24	118 38	A	4.7	H7	North of Caliente. at Bakersfield, IV; Breckenridge Mountain, V; IV at Caliente, Isabella, Kernville, Tehachapi, Maricopa, Arvin, Glennville (CGS).
8	03:29:41	35 24	118 38	B	3.4	H7	North of Caliente. Felt on Breckenridge Mountain (CGS)
8	10:35:37	38 23	118 39	B	5.0	H13	South of Hawthorne, Nevada. V at many points in Mineral County, Nevada and Mono County, California (CGS)
8	12:06:11.0	35 03	118 56	A	3.6	H7	Near Wheeler Ridge post office
11	12:23:57	35 44	117 35	B	3.1	K8	Near China Lake
11	14:30:57	35 25	118 44	C	3.3	H7	Northeast of Edison
11	17:46.3	31.7	115.2	D	4.8	Q0	Baja California
12	15:26:23	35 26	118 39	C	3.0	H7	Northeast of Edison
14	07:34:27	35 27	118 38	B	2.5	H7	Northeast of Edison
15	03:31:40	33 29	116 37	B	3.5	N3	West of Santa Rose Mountain
18	09:00:38	34 59	118 50	C	3.3	H6	Northeast of Grapevine
22	14:41:20.6	35 48	118 01	A	3.9	J8	North of Walker Pass
23	15:23:40	43 1/2	128		6 1/4 ±	15	Epicenter and origin time by USCGS
24	17:05:41.1	35 22	118 39	A	4.0	H7	North of Caliente
26	05:23:22	33 03	116 01	C	4.3	N3	Southeast of Borego Valley
26	05:30:22	33 03	116 02	C	3.3	N3	Southeast of Borego Valley
26	05:41:00	33 03	116 03	C	3.6	N3	Southeast of Borego Valley
30	12:11:32	33 52	117 14	C	2.8 ±	L4	Northwest of Lakeview
<u>September</u>							
2	11:29:21	34 20	117 04	B	2.7 ±	L5	Northwest of Big Bear
3	11:06:47	38.5	119.1	D	3.3	G13	West of Hawthorne, Nev.?
5	02:01:15	37.5	122		5.8	A-11	Epicenter and origin time by USCGS. Reports suggest epicenter near 37.3 N 121.7 W. VII in the vicinity of Mt. Hamilton, and at San Jose. Felt in and north of San Francisco, eastward across the San Joaquin Valley, and southward through San Benito County
6	20:10:24.0	35 20	118 40	A	3.9	H7	Northwest of Caliente
7	00:09:37	33 17	116 11	B	3.2	N3	Santa Rosa Mts.
8	17:02:56	33 36	117 54	B	2.3	K4	Off Newport Beach
9	06:36:07	35 22	118 33	B	2.9	H7	Northeast of Caliente
11	02:19:41.7	35 22	118 35	A	3.0	H7	Northeast of Caliente
11	23:24:35	37.9	118.5	D	3.3	J12	Vicinity of Benton
14	10:19:54	33 45	118 19	B	3.1	J4	Near San Pedro. Felt at Lynwood, Compton, Southgate, Huntington Park, etc. (press) IV at Maywood and Torrance (CGS)
15	11:21:46	35 21	118 40	B	2.8	H7	East of Edison
15	22:19:28	35 21	118 40	B	2.6	H7	East of Edison
18	10:43:19	35 21	118 40	C	2.0	H7	East of Edison
18	10:43:38	35 21	118 40	C	2.5	H7	East of Edison
19	05:30:24	35 19	118 31	B	2.5	H7	East of Caliente
19	23:55:26	33 58	116 15	C	3.0	N4	Little San Bernardino Mts.
20	19:24.9	32.2	115.5	D	3.9	Q1	Baja California





International  
Seismological  
Centre

Date	G.C.T.	Lat.N.	Long.W.	Q	M	Index	Remarks
Sept. 21	18:06.7	36.5	121.0	D	3.3	C9	San Benito County
22	07:23:36	35 15	118 36	A	2.7	H7	South of Caliente
24	08:35:01	35 32	118 38	B	2.7	H8	Near Democrat Springs
24	20:31:31	35 15	118 47	C	2.5	H7	Near Arvin
27	04:15:05	35 18	118 36	C	2.7	H7	Near Caliente
28	09:52.6	38.5	118.3	D	4.3	J13	Region of Hawthorne, Nevada
29	04:42:51	35 20	118 34	B	2.9	H7	East of Caliente
29	04:44:03	35 20	118 34	B	3.0	H7	East of Caliente
29	05:40:50	38.5	119	D	4.5	J13	Nevada
30	11:19:42	35 11	118 35	B	2.9	H7	Northwest of Tehachapi
30	15:00:10	33 44	117 58	B	3.3	K4	Near Westminster. Felt at Huntington Beach and Garden Grove (Mr. M. Murray)

C. F. Richter  
James Savage

January 24, 1956



SEISMOLOGICAL LABORATORY  
California Institute of Technology

Bulletin on Local Shocks

No. 4.

October-December 1955



Partly because of the large number of earthquakes felt in this area during the last quarter of 1955, complete data have not yet reached the Seismological Laboratory. This quarterly report is being issued with the usual locations based on instrumental recordings, but with notes on perceptibility and intensity derived only from press clippings and individual reports reaching Pasadena. A supplement will be issued later, giving revised and additional data of this kind, and any necessary corrections and additions to the epicenter list.

Date	G.C.T.	Lat.N.	Long.W.	Q.	M.	Index	Remarks
<u>October</u>							
2	16:54:35	35 14	118 36	B	2.7	H7	Southeast of Caliente
2	23:48.9	32.8	119.4	D	3.3	G2	South of San Nicolas Is.
5	09:05:06	33 27	116 40	B	3.1	M3	East of Oak Grove
6	10:19:43.3	35 10	119 07	A	3.6	G7	Near Conner, east of Buena Vista Lake
6	22:31:54	35 10	119 08	C	2.9	G7	Near Conner
7	02:48:33	34 15	117 31	B	2.7	K5	Near Glenn Ranch
9	18:39:06	34 12	117 03	B	2.9	L5	Southwest of Big Bear
13	05:25:30	34 03	117 12	B	3.5	L5	Near Redlands. Felt sharply at Riverside (press); felt at White-water (P.T. and T.Co.)
15	00:59:58	35 02	118 59	B	2.6	H7	Near Wheeler Ridge
15	02:13.9	34.0	120.7	D	3.6	D4	West of San Miguel Island
18	11:50:18	33 44	117 58	B	2.5	K4	Near Westminster. Felt by a few at Huntington Beach (M.Murray)
19	16:46:04	34 18	117 06	B	2.8	L5	Northwest of Big Bear
20	02:45.3	32.2	118.1	D	2.8	J1	South of San Clemente Is.
21	21:35:42	35 39	118 29	B	2.9	J8	Very near Isabella
22	02:07:09	35 19	118 32	B	2.5	H7	East of Caliente
22	07:04.2	36.2	120.3	D	4.1	E9	Vicinity of Coalinga
23	00:08:30	34 14	116 57	B	2.9	M5	Very near Big Bear
23	04:37:40	34 20	117 06	B	3.0	L5	Northwest of Big Bear. Felt at Twin Peaks (letter)
23	20:05:41	34 13	117 00	C	3.1	M5	Near Big Bear
24	04:10:40.5	37.9	121.9		5.4	B12	Near Walnut Creek, where there was moderate damage
25	17:49:42	33 00	115 32	C	4.3	P3	Near Brawley. Felt at Brawley, Calexico, El Centro and Imperial (P.T. and T.Co.)
26	01:03:54	35 19	118 35	B	3.1	H7	Near Caliente
26	23:32:56	34 04	118 09	B	1.7±	J5	Near Alhambra
27	02:36:37	34 04	118 09	B	1.5±	J5	" "
27	11:00:37	34 04	118 09	B	1.3±	J5	" "





Date	G.C.T.	Lat.N.	Long.W.	Q.	M.	Index	Remarks
<u>October</u>							
27	11:24:44	34 04	118 09	B	1.9±	J5	Near Alhambra
28	12:27:03	35 19	118 30	B	2.8	H7	East of Caliente
28	21:16:45	34 27	118 23	B	2.8	J5	Mint Canyon (near Lang)
30	04:43:30	33 15	117 53	B	2.5	K3	Southeast of Catalina Is.
<u>November</u>							
2	06:15.2	39	118		4.6	J15	Nevada
2	19:40:09	36.1	120.8	D	4.5±	D9	East of San Lucas. Felt sharply at Paso Robles, Salinas, Monterey (press)
3	08:39:08	35 19	118 30	B	2.8	H7	East of Caliente
5	05:55:16	34 16	117 56	B	2.6	K5	West Fork, San Gabriel River
5	17:37:54	33 51	118 38	C	3.2	H4	Santa Monica Bay
6	21:33:56	34 34	119 09	B	2.7	G6	North of Santa Paula
8	02:40:52	37 30	118 48	C	4.2	H12	West of Bishop
9	22:41:35	34 02	116 50	B	3.3	M5	North of Banning. V at Yucaipa (letter)
10	06:11:54	34 20	117 07	B	2.6	L5	Northwest of Big Bear
10	09:08:49	33 15	116 02	B	3.3	N3	West of Salton Sea
10	15:44:40	34 52	116 55	B	3.4	M6	Near Daggett
11	13:55:13	33 54	116 25	B	2.7	N4	Southeast of Desert Hot Springs
12	03:49:58	31.9	115.8	D	3.9	P0	Near Laguna Salada
12	17:47:06	34 41	117 02	B	2.8	L6	Southwest of Daggett
12	18:37:00	36 30	120 45	C	3.6	D9	North of Idria
13	18:34:41	32 58	116 14	B	3.1	N2	East of Vallecito
16	13:28:48	35 04	119 06	B	2.9	G7	North of Wheeler Ridge
17	04:41:38	33 42	116 52	B	3.2	M4	Southeast of Hemet. Felt at Palm Springs and Whitewater (P.T. and T.)
19	06:17:28.9	34 56	119 00	A	2.9	H6	Near Grapevine Station
19	10:59.7	36.0	120.8	D	3.4	D9	Northwest of Parkfield
20	10:57.9	37.1	113.9	D	4.3	T11	Southwestern Utah
21	18:14:22.0	35 24	118 44	A	3.5	H7	North of Bena
21	20:25:34.5	39.4	118		5.5	J15	Nevada. Epicenter and origin time by USCGS
21	20:40:	39 1/2	118	D	4.5	J15	Nevada; aftershock of preceding
21	20:55:27.4	35 24	118 44	A	4.3	H7	North of Bena. Felt sharply at Bakersfield
21	21:14.3	36.1	119.9	D	3.5±	F9	Northeast of Parkfield
21	21:18:05	35 24	118 44	B	2.9	H7	North of Bena
22	14:22:22.8	34 48	118 54	A	3.9	H6	West of Gorman. Felt sharply at Lebec and Frazier Park (press)
22	21:38:57.7	35 24	118 44	A	3.9	H7	North of Bena. Felt at Bena (S.P.R.R.)
23	02:37:26	35 27	118 41	B	2.8	H7	North of Bena
25	07:14:35	35 24	118 44	B	2.7	H7	North of Bena
26	17:36.0	31.6	116.1	D	5.4	N0	Baja California. Felt at El Centro, Calexico, Holtville, and San Diego (press)





Date	G.C.T.	Lat.N.	Long.W.	Q.	M.	Index	Remarks
<u>November</u>							
28	13:55:59	34 05	117 49	B	2.5	K5	Near Laverne. Felt at Pomona (telephone to Laboratory)
28	15:04:28	34 59	119 02	B	3.7	G6	Near Wheeler Ridge
29	12:08:53	33 41	116 50	B	3.0	M4	Southeast of Hemet
<u>December</u>							
1	08:50:14	33 02	116 19	B	3.3	N3	Near Vallecito
1	10:24:45				4.4		Northwestern Nevada (USCGS)
1	23:19.4	31.6	116.1	D	4.3	N0	Lower California
2	04:43:32	35 20	118 37	B	3.3	H7	Near Caliente
2	08:36:11	35 23	118 34	B	2.6	H7	Northeast of Caliente
3	00:05:21	34 42	117 02	B	2.7	L6	South of Daggett
3	19:31:18.9	35 19	118 30	A	2.7	H7	East of Caliente
4	03:37:11	35 07	119 07	B	2.8	G7	North of Wheeler Ridge
5	22:29:37	34 04	118 35	B	2.3	H5	Topanga Canyon
6	09:11.4	31.6	116.1	D	4.1	N0	Lower California
7	23:27:21	34 16	117 27	B	3.0	L5	Near Glenn Ranch
8	01:18:22	35 21	118 54	B	2.7	H7	Near Bakersfield
10	09:42:11	33 58	117 52	B	2.5	K4	Near La Habra
11	20:10.7	36.3	120.7	D	3.5	D9	Northwest of Priest Valley
12	00:30:49	34 25	119 07	C	2.6	G5	Near Santa Paula
12	12:45:40	34 31	116 47	B	2.9	M6	Ord Mts., Mojave Desert
12	12:52:27	34 31	116 47	B	2.5	M6	" " " "
12	12:53:58	34 31	116 47	B	2.3	M6	" " " "
13	11:25:34	34 31	116 47	B	2.4	M6	" " " "
13	21:13:06	34 02	119 03	C	2.8	G5	Near Point Mugu
14	08:17:29	35 19	118 30	B	2.7	H7	East of Caliente
16	14:43.2	35.8	120.8	D	3.7	D8	Vicinity of San Miguel. Felt at San Miguel, Paso Robles, Atascadero (press)
17	01:59:20	33 00	115 30	B	2.8	P3	Near Brawley; felt there. First of a numerous swarm of earthquakes from nearly the same source. Those of magnitude 4.0 and over are listed here in order; a list of those of magnitude 3.0 and over follows at the end of this issue. All these, and many more, were reported as felt.
17	05:17:21	33 00	115 30	B	4.3	P3	Near Brawley. Felt.
17	06:07:29	33 00	115 30	B	5.4	P3	Near Brawley. Minor damage there, mainly to merchandise, windows, and structures weakened in other earthquakes. Goods off shelves also in El Centro. Felt generally in Imperial Valley. (Press)
17	06:17:36	33 00	115 30	B	4.1	P3	Near Brawley. Felt.
17	06:52:03	33 00	115 30	B	4.6	P3	Near Brawley. Felt.
17	13:50:29	33 40	118 00	B	2.6	J4	Near Huntington Beach. Felt there very sharply (Mr. M. G. Murray)
17	19:05:43	33 00	115 30	B	4.3	P3	Near Brawley. Felt.
18	11:20:29.2	35 24	118 44	A	3.0	H7	North of Bena





Date	G.C.T.	Lat.N.	Long.W.	Q.	M.	Index	Remarks
<u>December</u>							
21	07:55:51	35 04	119 04	B	2.6	G7	North of Wheeler Ridge
22	12:05:10	39	118 1/2		4.7	J15	Epicenter and origin time by USCGS.
22	12:06:58	39	118 1/2		4.5	J15	Immediately follows the preceding.
22	22:49:36	33 40	118 00	B	2.6	J4	Near Huntington Beach
23	01:20:20	34 07	117 22	B	2.3±	L5	Near Bloomington
23	08:43:44	34 07	117 22	B	3.3	L5	Near Bloomington. Felt at Riverside (press)
24	17:36:27	33 40	118 00	B	3.0	J4	Near Huntington Beach
25	09:30:04	34 01	116 32	B	3.6	M5	North of Desert Hot Springs. Felt sharply at and near Garnet (S.P.R.R. office information)
29	10:53:37	35 18	118 30	B	2.8	H7	East of Caliente
31	13:51.0	39 1/2	118	D	4.7	J15	Nevada

Addendum. Shocks originating near Brawley, about 33 00 115 30, December 1955, of magnitude 3.0 and over.

Dec. 17

03:43	3.8
03:47	3.5
03:52	3.4
03:53	3.4
04:16	3.1
05:17	4.3
05:36	3.5
05:42	3.9
06:07	5.4
06:17	4.1
06:21	3.0
06:26	3.1
06:27	3.4
06:31	3.0
06:33	3.1
06:52	4.6
06:59	3.4

Dec. 17

07:42	3.1
08:14	3.2
08:16	3.1
09:19	3.2
09:27	3.1
09:30	3.6
09:38	3.1
09:44	3.2
14:57	3.4
14:58	3.8
18:00	3.8
18:32	3.5
19:05	4.3
19:15	3.5
<u>Dec. 19</u>	
05:08	3.0
11:51	3.1

January 30, 1956

C. F. Richter and  
Student Assistants:  
R. L. Monroe  
F. L. Boos  
E. A. Flinn