

22 March, 11:44:21\*. Intensity VII. (cont.)

INTENSITY V - San Francisco

**San Francisco:**

1718 Funston Ave.  
372-4th Ave.  
I. Magnin & Co., Union Square  
270-15th Ave.  
3251 Washington St.  
460 Ramsell St.  
630-6th Ave.  
630 Joost Ave.  
3020-23rd Ave.  
2650 Pacific Ave.  
1770 Green St., Apt. 604  
722-43rd Ave.  
1618-38th Ave.  
1324-46th Ave.  
235 Montgomery St., Russ Bldg., 8th floor  
1936 Quintara St.  
133 Beulah St., off Stanyan  
310 Sansome St., Alaska Commercial Bldg.  
1910-12-14-16 Ellis St.  
800 Font Blvd.  
Bay and Mason St.  
2210-38th Ave.  
22nd and Eureka Sts.  
150 Sadowa St.  
Kearny and Sutter Sts.  
1336-16th Ave.  
190 Funston Ave.  
U.C. Medical Center on 9th Ave., between Moraga and Noriega.  
49 Burlwood Dr.  
781 Lakeview  
76 Leland Ave.  
4616 California St.  
420 Lake St.  
855 Waller St.  
509 Chenery St., Glen Park District  
68 Diamond St.  
2132 Bayshore Blvd.  
2nd and Townsend Sts. (restaurant)  
1194 Guerrero St.  
121-11th Ave.  
225 Buckingham Way (Stonestown)  
1218-21st Ave.  
Chestnut and Jones Sts.  
507 Polk St., Rm. 305  
39th Ave. and Judah Sts. (grocery store)  
1012 Page St.

22 March, 11:44:21\*. Intensity VII. (cont.)

INTENSITY V - San Francisco

**San Francisco:**

2535-38th Ave.  
1275 Arguello Blvd.  
1770 Green St., 6th floor  
2319-40th Ave.  
155 Clearfield Dr.  
25 Santa Ana Ave.  
61 Carmelita  
69 Allston Way  
25 Tulagi Rd.  
2570-36th Ave.  
1728 Divisadero St.  
1746-33rd Ave.  
Rincon Annex Post Office, Spear and Mission Sts.  
U.C. Hospital, 12th floor  
2570-29th Ave.  
33 Woodland Ave.  
San Francisco Naval Shipyard, Bldg. 101  
201 Teresita Blvd.  
110 Market St., 6th floor  
76 Fairfield Way  
3230 Moraga St.  
1475-41st Ave.  
22-22nd Ave.  
2627 Vicente St.  
176 Jordan Ave.  
1654-24th Ave.  
17th St., Castro and Market Sts.  
2195-35th Ave.  
135-28th Ave.  
2687-42nd Ave.  
2208 $\frac{1}{2}$  Steiner St.  
2028 Burrows St.  
694 Hearst Ave.  
3714 Rivera St.  
2551-27th Ave.  
887 Bush St., Apt. 603  
503 Market St., Cunard Bldg., Rm. 905  
3020 Ulloa St.  
University of San Francisco, 4th fl., Liberal Arts Bldg.  
2423-28th Ave.  
1895 Jefferson St., Apt. 205  
110 Cardenas Ave.  
3265 Baker St.  
2752-35th Ave.  
1589-16th Ave.

22 March, 11:44:21\*. Intensity VII. (cont.)

INTENSITY V - San Francisco

**San Francisco:**

2527-46th Ave.  
1390-43rd Ave.  
2418 Van Ness Ave.  
3312-14 Clay St.  
455 Locust St.  
640 Sutter St., 5th fl., Woman's Athletic Club  
9th Ave. and Fulton; 266-A 8th Ave.  
333 Pine St.  
1 Montgomery St., 7th fl., Crocker First National Bank Bldg.  
1893 San Jose Ave.  
850 Castro St.  
1959 California St., between Gough and Octavia Sts.  
172 Arguello Blvd.  
300 Montgomery St., Rm. 842, Bank of America  
127 Stillings Ave.  
784-48th Ave.  
1232 Market St.  
290 Lombard, 4th fl., Telegraph Hill  
170 Carl St.  
Mariposa and Missouri Sts.  
635 Page St., at Fillmore  
4320 Cabrillo St.  
166 Hermann St.  
106 Sanchez St.  
576 Lisbon St.  
1080 Eddy St., Apt. 502  
150 Van Ness Ave., 2nd fl., C.S.A.A.  
70 Levant St.  
1909 Silver Ave.  
2174-35th Ave.  
2440 Polk St.  
1296 Haight St.  
4945-17th St.  
86 Iris St., at Euclid  
2850 Divisadero St.  
2625 Baker St., between Green and Union Sts.  
333 Avila St., between Beach and Prado  
115-2nd Ave.  
117 Delmar St.  
3401 Clay St., 7-story concrete apartment building  
Dolores and 14th St.  
42nd Ave. and Geary St.  
346 Athens St.  
Midtown Terrace, south slope of Twin Peaks  
28th Ave., opposite new reservoir (2031)

22 March, 11:44:21\*. Intensity VII. (cont.)

INTENSITY V - San Francisco

**San Francisco:**

1464-17th Ave.  
342 Staples Ave.  
527-35th Ave.  
960 Corbett Ave.  
Treasure Island  
1515 Broadway  
810 Hyde St., corner Sutter  
1823 Steiner St.  
205-9th Ave.  
806-41st Ave.  
122 Bemis St., Glen Park District  
2232 North Point St.  
451 Burnett Ave., east side Twin Peaks  
148 Precita Ave.  
1624 Sacramento St.  
177 Capp St.  
2300 Leavenworth St.  
1695 Beach St.  
2354-46th Ave.  
425 Mason St., 4th floor  
2140 Clement St.  
2701 Larkin St.  
1804 Broadway St.  
1151 Broderick St.  
106 Circular Ave.  
601 Buena Vista Ave., Ashbury Heights  
949 Fell St., between Steiner and Pierce Sts.  
6140 California St.  
One Eleven Sutter Bldg., Rm. 2200  
1800 Franklin St., Apt. 402  
2410 Clay St., near Stanford Hospital  
1525 Lawton St.  
1651 Market St.  
625 Market St., 3rd floor  
191 Elmira St.  
225 Mallorca Way, Marina District  
1980 Vallejo St., 3rd Fl., 11-story concrete building  
1626 North Point, Apt. 201  
75 Buena Vista, E.  
510 Talbert  
55 Mason St., Ambassador Hotel  
2517 Filbert St.  
4308-23rd St.  
526 Peralta Ave., Bernal Heights

22 March, 11:44:21\*. Intensity VII. (cont.)

INTENSITY V - San Francisco

**San Francisco:**

101 Noe St.  
2675-44th Ave.  
2747 Mission St.  
229 Juanita Way  
777 Buena Vista Ave., W.  
77-A Miguel St.  
1258-33rd Ave.  
298 Collingwood St.  
St. Francis Hotel, 11th fl., Powell and Geary Sts.  
16th and Potrero  
130 St. Elmo Way, Monterey Heights  
475 Campbell Ave., Visitacion Valley  
208-A Anzavista Ave.  
890-37th Ave.  
265 Ewing Terrace  
535-46th Ave.  
256 Mission St.  
750-18th Ave.  
195 Alhambra Dr., Marina District  
116 Divisadero St.  
2027-31st Ave.  
220 Eureka St.  
Muni Tire Shop, Powell at Bay Sts.  
110 Bacon St.  
1870 Jackson St.  
1669 Fillmore St.  
2618 Buchanan St.  
377 Corbett Ave.  
2475 Pacific Ave.  
158-18th Ave.  
1219 Stanyan St.  
1655-48th Ave.  
862-26th Ave.  
130 Sutro Heights Ave.  
239 Market St., Diamond Lunch  
427 Hamilton St.  
390-28th St., at Noe  
682-39th Ave., at Balboa  
61 Rockwood Court  
535 Geary St.  
220 Arlington St. (House 75 years old.)  
545 O'Farrell St.  
1477-7th Ave.  
1012-14th St., at Castro

22 March, 11:44:21\*. Intensity VII. (cont.)

INTENSITY V - San Francisco

**San Francisco:**

318 Kearny St.  
224 Kirkham St.  
2463-16th Ave.  
870 Market St., 11th fl., Flood Bldg.  
575 Spruce St.  
Mark Hopkins Hotel, Main floor, California and Mason Sts.  
404 Texas St.  
2345 Green St.  
906 Capitol Ave.  
1258 Jackson St.  
55 Jules Ave., Ingleside District  
420 Shields St.  
75 Williar Ave.  
2059-32nd Ave.  
111 Commonwealth Ave.  
100 Edgewood Ave., 3rd floor  
544 Golden Gate Ave.  
164 Sea Cliff Ave.  
568-5th Ave.  
2748 San Bruno Ave.  
1206-35th Ave.  
Judah St., between 28th and 29th Ave.  
109 Geary St.  
848 Clipper St., East Twin Peaks  
690 Market St.  
55 New Montgomery St., Sharon Bldg.  
919 Oxford St.  
Filbert and Columbus Sts., North Beach District  
681 Market St., Monadnock Bldg.  
537 Front St.  
137-9th Ave.  
1782 Beach St.  
2201 Eaker St.  
754 Clement St., Maxine's Ice Cream Store  
37 Serrano Dr.  
333 Montgomery St., Pacific National Bank  
412 Shrader St.  
2565 Larkin St.  
Quint St. and Evans Ave.  
405 Montgomery St., Financial Center Bldg.  
321 Judson Ave.  
834 Niagara Ave.  
774 Spruce St.  
543-46th Ave.  
1930-34th Ave.

22 March, 11:44:21\*. Intensity VII. (cont.)

INTENSITY V - San Francisco

**San Francisco:**

771-9th Ave.  
333 Louisburg St.  
717 Rolph St.  
New Montgomery and Natoma Sts.  
327-29th Ave.  
658 Market St., Manning's  
259 Candlestick Rd.  
2020 Great Highway  
326 Elsie St.  
952 Sutter St., 5th floor  
Fort Miley Veterans Hospital, Lincoln Park District  
444-4th Ave.  
1675 York St.  
2727-17th St., Oroweat Baking Co.  
1640 Steiner St.  
347 Clay St.

INTENSITY IV - San Francisco

No shifting of objects

**San Francisco:**

640 Mason St., 5th floor  
1335 Washington St., Apt. 2  
90-2nd St.  
Russ Bldg., 10th floor  
585 Laurel St. "Across the street to the north and east (Laurel and California Sts.) the Fireman's Fund Insurance Company is just completing a three-story office building. Reinforced-concrete floors, roof and columns; plate glass in aluminum frames; brick-faced walls. Building covers about three acres. The engineer in charge of construction told me there was no glass breakage or damage of any kind. Probably 80 or 90 per cent of the exterior walls are glass."  
609 Banks St., 1½ blocks from Alemany Blvd.  
400 Montgomery St., Rohl Bldg., 11th floor  
461 Roosevelt Way  
Stanford Hospital, Clay and Webster Sts.  
2052-14th Ave.  
770 Carolina St.  
2186-25th Ave.  
Hunters Point, SFNS, Quarters O-1-B (quonset)  
406 Gates St.  
University of San Francisco Campus (huts)  
650-5th St., 5th floor

22 March, 11:44:21\*. Intensity VII. (cont.)

INTENSITY IV - San Francisco

**San Francisco:**

150 Otis St.  
1453-10th Ave.  
Clay-Jones Apartments, 1250 Jones St., Apt. 503  
308 Maple St.  
100 Valmar Terrace, Corner Peru St.  
City of Paris, 6th floor, Stockton and Geary Sts.  
430 Scott St., between Oak and Fell Sts.  
1779 Oakdale Ave.  
124 Moline Dr., south slope of Mt. Davidson  
Olympic Club, 524 Post St.  
1 Princeton St.  
335 Bay St.  
853 Ashbury St.  
3rd and Townsend, S. P. Depot  
797 Bush St.  
176 Nueva Ave.  
212 Tacoloma Ave.  
81 Buena Vista Terrace  
1450 Santiago St.  
1250 Vallejo St.  
560 Mission St., 3rd floor  
932 Vallejo St., Cottage 2  
116 New Montgomery St., 6th floor  
801 Castro St.  
87-89 Collins St.  
31 Los Palms Dr., east slope Mt. Davidson  
Hooper Foundation, U.C. Medical Center, 2nd and Parnassus  
23 Cresta Vista Dr.  
509-44th Ave.  
2105 Jackson St.  
1501 Sutter St., Apt. 109  
251 Kearny St., Rm. 610, Charleston Bldg.  
537 Belvedere St.  
Mission St., back of Emporium  
1801 Hyde St.  
899 Noe St. "Jars and plants didn't even fall off window sill."  
821 Market St., Pacific Building  
870 Market St., Flood Bldg., 12th floor  
3120 Gough St., between Chestnut and Francisco  
1739 Pine St.  
1363-28th Ave.  
655 Sutter St., 4th floor  
50 Yerba Buena Ave.  
2173 California St.  
201 Buchanan St.



22 March, 11:44:21\*. Intensity VII. (cont.)

INTENSITY IV - San Francisco

**San Francisco:**

1625 Van Ness Ave.  
178 Eureka St.  
3035 Divisadero St.  
120 Montgomery St., 19th floor, Equitable Life Bldg.  
555 Chestnut St., Telegraph Hill Neighborhood Center  
55 West View Ave.  
118 Dellbrook, Forest Hills District  
190 Belgrave Ave.  
578 Vermont St., at 18th St.  
1043-53 Fell St.  
133 Kearny St., near Sutter St.  
330 Utah St.  
Patrick Henry School, 19th and Vermont Sts.  
2114-22nd Ave.  
580 Teresita Blvd.  
86 Mullen Ave.  
36 Diamond St.  
Sacramento and Buchanan Sts.  
1550-9th Ave.  
171-27th St.  
105 Montgomery St., 11th floor, California Pacific Bldg.  
75 Hernandez Ave.  
3728-22nd St.  
220 Bush St., 3rd floor  
49 Kearny St., 4th floor  
2507-15th Ave.  
Jackson and Van Ness Ave., 5th floor  
510-4th Ave.  
1531-17th Ave.  
Golden Gate Park, Duck Pond  
3095 Turk St.  
666 Edinburgh St. "All major shocks felt."  
2120 California St.  
550-9th Ave.  
Fort Mason, Building 212  
3904 Clay St.  
359 Hyde St., Apt. 257  
1820 Mason St.

Reported not felt in San Francisco:

Golden Gate Park, near Japanese Tea Garden. "We did not feel it nor did we note any excitement among about 100 persons in the vicinity."

22 March, 11:44:21\*. Intensity VII. (cont.)

Reported not felt in San Francisco (cont.):

En Route from Presidio to Hyde and Sutter Sts. "I was reading a newspaper most of the way and wasn't conscious of any unusual motion."

California and Grant. "On way to old St. Mary's church."

Battery and Clay Sts. Not felt by observer walking north on Battery St.

1005 Jones St., near Pine St. Not felt by observer while working in apartment.

490 Post St., Medico-Dental Bldg. Not felt by observer in moving elevator.

Sharp Park area:

Sharp Park (172 McKinney). Motion rapid, lasted 5 seconds. Direction NE-SW. Loud earth noises heard. Small objects and furnishings shifted. Dishes, windows, and furniture broke. Plaster, windows, walls, and chimneys cracked; chimneys fell. Damage to brick and masonry, \$500. Ground: Compact, sloping.

Sharp Park. VI. Motion rapid. Direction E-W. Loud earth noises from E-W heard by many. Felt by and frightened all in community. Windows, doors, and dishes rattled; building creaked. Hanging objects swung. Trees, bushes shaken strongly. Small objects and furnishings shifted. Plaster, windows, walls, and ground cracked. Dishes and windows broke. Damage slight to wood, masonry, and concrete. Ground: Soil, compact, level.

Sharp Park (Edgemar, 320 Beaumont Blvd.). VI. Motion rapid, lasted 15-20 seconds. Direction up and down and W-E. "Had the jolt of about a 6-foot down jump." Loud crashing and rumbling earth noises heard. Small objects shifted. Dishes broke. Walls cracked. Columns twisted. Damage slight to brick, masonry, and concrete: two blocks broke loose. "Could feel ground rumble every few minutes all morning." Ground: Soil, sand, clay, compact, level.

Sharp Park (720 Lundy Way, Fairway Park). VI. Motion rapid, lasted about 1 minute or more. Loud earth noises heard. Small objects and furnishings shifted. Pencil thin stucco cracks around entire house. Damage slight. Ground: Level.

Sharp Park (135 McKinney, Pacific Manor). VI. Motion very rough, lasted about 2-3 minutes. Direction S. Loud earth noises heard. Lamps and chairs shifted. Chimneys and ground cracked. Damage slight. Ground: Rocky.

Sharp Park (215 Nelson, Pacific Manor). VI. Motion very rapid. Direction NE. Loud earth noises heard. Small objects, pictures, and furnishings shifted. Dishes and all knick-knacks broke. Very slight wall cracks. Damage slight. Ground: Compact, level.

22 March, 11:44:21\*. Intensity VII. (cont.)

Sharp Park (332 Avalon Dr., Pacific Manor). VI. Motion rapid, lasted about 30 seconds. Direction E-W. Loud earth noises heard. Small objects and furnishings shifted. Dishes broke. Damage slight. Ground: Soil, sloping, filled in.

Sharp Park (26 Cragmont Court, Pacific Manor). VI. Motion rapid, like ocean waves, lasted several minutes. Direction E-W. Loud earth noises heard. Small objects shifted. Dishes broke. Damage slight. Ground: Soil, compact, sloping.

Sharp Park (378 Bancroft Way, Edgemar). VI. Motion rapid, like a giant hand slammed against E wall of house. "I ran out fast." Ground danced underfoot, first N-S, then E-W. Loud earth noises, first rumble then explosivelike sound. Small objects "walked." One medicine bottle broke. Hair-line cracks in stucco. Ground: Soil, compact, steep.

Sharp Park (5 Eastlake Ave.). VI. Motion rapid, lasted about 2 minutes. Loud earth noises heard. Small objects shifted. Jars broke. Ground: Compact, steep.

Intensity VI:

Agnew. Motion rapid, lasted 1 minute. Faint earth noises heard. Felt by all and frightened many in community. Windows and doors rattled; house creaked. Hanging objects swung. Small objects shifted. Plaster cracked. Damage slight. Ground: Soil, level.

Alameda (1513 Pearl St.). Brick fireplace (front and flooring) cracked; fireplace moved 1/2 inch from wall. Damage slight. Ground: Level.

Alameda (Encinal High School). Motion rapid, lasted 30 seconds. Direction N. Moderate earth noises heard. Small objects shifted. Windows broke. Plaster cracked. Damage slight. Ground: Level, filled in.

Alameda (Webster Street Post Office). V. Motion rapid. Moderate earth noises heard by many 1 second before shock. Felt by all (sitting and active) on first floor of strongly built concrete-block building; frightened few. Windows and doors rattled; walls creaked. Hanging objects swung. Small objects shifted. Ground: Soil, level.

Alameda (Post Office). V. Motion rapid, lasted 30 seconds. Direction N. Moderate earth noises from N heard by many 1 second before shock. Felt by all on second floor of strongly built masonry building (sitting); frightened many. Windows, doors, and dishes rattled; building creaked. Hanging objects swung N. Trees, bushes shaken strongly. Small objects shifted. Ground: Soil, level.

Alameda (Naval Air Station Branch Post Office). V. Motion rapid, lasted 20 seconds. Direction NE. Loud earth noises from

22 March, 11:44:21\*. Intensity VI. (cont.)

NE heard by many. Felt by all at work in strongly built concrete building; frightened few. Windows and doors rattled; walls creaked. Hanging objects swung NE. Trees, bushes shaken strongly. Furnishings shifted. Ground: Sandy, level.

Alameda (east end). V. Small objects shifted. Ground: Soil, compact, level.

Alameda (2598 Washington Way). V. Small objects shifted. Ground: Soil, compact, level.

Alameda (914 San Antonio Ave.). IV. Sharp motion, then slow waves. Ground: Sandy soil, level.

Alameda (1630 Clinton Ave.). III. Motion rapid, pause, then rolling, lasted 20 seconds. Loud earth noises heard. Direction N-S. Ground: Level.

Alameda (2305 Buena Vista). Moderate earth noises heard. Ground: Sandy soil.

Alameda (3031 Windsor Dr.). Motion rapid, lasted 1-3 minutes. Ground: Sandy, level.

Alameda (1300 Grand St.). Motion rapid, lasted 1-1½ minutes. Moderate earth noises heard. Ground: Soil, compact, level.

Alameda (1901 Central Ave.). Motion moderate, lasted about 30 seconds. Moderate earth noises heard. Ground: Sandy, loose.

Alameda (Naval Air Station Cafeteria). Felt.

Albany (1526 Visalia Ave.). Motion rapid, lasted 3 minutes. Faint earth noises heard. Plaster cracked. Damage slight to masonry. Ground: Soil, compact, level.

Albany (720 Madison St.). Separation crack between chimney and house (precasting). "May have moved slightly during earthquake."

Albany. V. Motion rapid, lasted 30 seconds. Faint earth noises heard by few 5 seconds before shock. Felt by many (some outdoors; active) and frightened few in community. Windows, doors, and dishes rattled; house creaked. Hanging objects swung. Small objects shifted; knickknacks and pictures fell. Ground: Soil, compact, level.

Albany (959 Peralta Ave.). V. Faint earth noises heard. Cracks widened. Ground: Rocky soil, slightly sloping.

Albany (719 Buchanan St.). Motion rapid, lasted 30 seconds. Loud earth noises heard. Ground: Soil, compact, sloping.

Associated. Motion slow, lasted 30 seconds. Moderate earth noises heard by many 1 second before shock. Felt by all at Tidewater Associated Oil Refinery; frightened many in community. Windows rattled. Hanging objects swung. Trees, bushes shaken slightly. Small objects shifted and overturned; knickknacks fell. Ground: Compact, level.

Atherton. Motion rapid, lasted 3-4 seconds. Started slow, then rapid, then a northerly swaying, then more shaking, but not

22 March, 11:44:21\*. Intensity VI. (cont.)

so violent. Felt by several in office; frightened many in community. Windows and doors rattled. Hanging objects swung. "Have been told that water in some swimming pools splashed like large waves." Ground: Soil, level.

Atherton (52 Wilburn Ave.). IV. Motion rapid, lasted 10 seconds. Very decided sidewise motion. Moderate earth noises heard. Ground: Soil, level.

Atherton (83 Moulton Dr.). III. Motion moderate, lasted about 20 seconds. Direction NE. Ground: Soil, compact.

Atherton (28 Selby Lane). II. Motion rapid, lasted 30 seconds. Faint earth noises heard. Ground: Rocky soil, level.

Bayshore City (about 4 miles east of Daly City). Motion rapid, lasted 30 seconds or more. Direction S-N. Loud explosive-like earth noises heard. Felt by many or all. Few dishes broke. Ground: Soil, loose, level.

Belmont (Post Office). Motion rapid, lasted 1 minute. Loud earth noises heard. Direction SW. Felt by all in community; frightened few or many. Windows, doors, and dishes rattled; building creaked. Hanging objects swung SW. Trees, bushes shaken moderately. Small objects and furnishings shifted; small objects overturned; knickknacks fell. Damage none or slight. Ground: Soil, level.

Belmont (1828 Bayview). V. Motion slow, lasted about 1 minute. Dishes rattled. Lamps swayed. Ground: Rocky soil, compact; slight grade to street.

Belmont (1730 Valley View Ave.). IV. Motion rapid, lasted less than 1 minute. Direction NW. Moderate earth noises heard. "Everything just trembled." Ground: Rocky, sloping.

Belmont (502 Dale View). II. Motion moderate, rolling, lasted 30 seconds. Faint earth noises heard. Ground: Compact, level, filled in.

Belmont (508 Cambridge St.). Motion "not too hard," lasted about 1 minute. Very loud rumbling earth noises, like trains, heard. Ground: Marshy, level; by bay.

Belmont (1802 Ralston Ave.). Motion rapid, lasted about 30 seconds. Moderate earth noises heard. Ground: Compact, level.

Belmont (404 Chesterton Ave.). Motion slow, lasted about 3 minutes. Faint earth noises heard. Ground: Level, filled in.

Belvedere (5 Hilarita Circle). Motion moderate. Moderate earth noises heard. Small objects shifted. Slight plaster cracks and slight concrete cracks in patio. Ground: Level, filled in.

Belvedere-Tiburon. V. Motion rapid. Direction NE. Loud earth noises from NE heard by many 1 second before shock. Felt by all and frightened many in community. Doors and suspended heater rattled; house creaked. Hanging objects swung. Trees, bushes shaken strongly. "My house is on a very steep slope near the bay. No damage. Frame structure." Ground: Filled in.

22 March, 11:44:21\*. Intensity VI. (cont.)

Belvedere (5 Tamalpais Ave.). V. Motion rapid, lasted about 1 minute. Direction N-S. Small objects shifted. Walls creaked. Ground: Level; shell mound.

Belvedere (Reed Heights, along Tiburon Blvd.). III. Motion rapid, lasted few seconds. Direction E-W. Moderate earth noises heard. Ground: Rocky, sloping, some fill.

Belvedere (12 Edgewater Rd.). Motion slow, lasted about 30 seconds. Ground: Filled in.

Belvedere (559 San Rafael Ave.). Motion rapid, lasted 1-2 seconds. "This was the only shock felt." Ground: Level.

Benicia. Motion rapid. Loud earth noises heard by many. Felt by all on first floor of strongly built brick post office building (active); frightened all in community. Windows and doors rattled. Hanging objects swung. Ground: Soil, compact, level.

Benicia. V Motion rapid. House rocked. Water in drinking water bottle rocked N-S. Ground: Rocky soil, sloping.

Benicia. Motion rapid, lasted about 30 seconds. Moderate earth noises heard. Ground: Soil, compact, level.

Berkeley. Press reported tile was cracked at the Public Health Building, 2151 Berkeley Way, on third and fourth floors and at the junction of top floor ceiling with exterior walls.

Berkeley (Post Office). Motion slow. Felt by all; frightened few. Windows and doors rattled. Plaster and windows cracked. Damage slight.

Berkeley (2705 Webster St.). Motion rapid, lasted 25 seconds. Direction E-W. Loud earth noises from NW-SE heard by observer 15 seconds before shock. Felt by several on first floor of strongly built stucco building (sitting and active). Windows rattled; walls creaked. Plaster cracked. Damage slight to stucco. Ground: Level, soil.

Berkeley (1010 Dwight Way). Motion rapid. Direction E. Loud earth noises heard. Small objects and furnishings shifted. Windows broke. Plaster, walls, chimney, and fireplace cracked. Damage considerable to brick and masonry.

Berkeley (fishing pier,  $1\frac{1}{2}$  miles out in bay). Motion rapid, lasted 5 seconds. Direction W. Moderate earth noises heard. Fisherman knocked down.

Berkeley (1647-A Walnut). Motion rapid. Loud earth noises heard. Small objects shifted. Plaster cracked. Ground: Soil, level, compact.

Berkeley (1027 Euclid Ave., in hills). Motion rapid, lasted 30 seconds. Faint earth noises heard. Plaster cracked. Damage slight. Ground: Soil, compact, sloping.

Berkeley (1265 Hopkins). Motion rapid, lasted 1-2 seconds. Moderate earth noises heard. Plaster cracked. Damage slight. Ground: Soil, level.

22 March, 11:44:21\*. Intensity VI. (cont.)

Berkeley (2951 Linden Ave., Ashby-Clairemont area). Motion rapid, lasted a full minute. Faint earth noises heard. Small objects shifted. Few dishes broke. Minor chimney cracks. Damage slight to brick and masonry. Ground: Soil, compact.

Berkeley (2955 Regent St.). Motion rapid, lasted 1-2 minutes. Moderate earth noises heard. Small objects shifted. Plaster cracked. Damage slight. Ground: Compact.

Berkeley (1 Canyon Rd.). Motion slow but sharp, lasted 1 minute. Direction indoors S-N. Moderate earth noises heard. Damage slight to brick and masonry (garden wall). Ground: Yellow clay, compact, steep; next to U.C. Stadium on Hayward Fault.

Berkeley. Motion rapid, lasted 10-15 seconds. Moderate earth noises heard. Furnishings shifted; two-ton press jumped. Plaster cracked. Damage slight. Ground: Compact, sloping.

#### INTENSITY V - Berkeley

Berkeley (South Berkeley Post Office). Motion rapid, lasted 30 seconds. Faint earth noises heard by many 1 second before shock. Felt by all and frightened many in community. Windows and doors rattled; walls creaked. Hanging objects swung. Ground: Soil, level.

Berkeley (2511 Durant St.). Motion slow, rolling, lasted 6-7 seconds. Moderately loud earth noises heard by many. Felt by all at Sather Gate Post Office; frightened few. Windows and doors rattled; building creaked. Ground: Soil, compact.

Berkeley (2900 Sacramento). Motion rapid, lasted 10 seconds. Faint earth noises heard. Felt by all in community. Windows rattled. Hanging objects swung. Ground: Level.

Berkeley. Motion rapid. Loud earth noises heard. Felt by all; frightened many in community. Windows, doors, and dishes rattled; frame creaked. Hanging objects swung N. Trees, bushes shaken strongly. Small objects shifted. Ground: Soil.

Berkeley (1501 Henry). Small objects shifted. Ground: Sloping.

Berkeley (1924 Woolsey St.). Few books fell from end of top shelf. Ground: Compact, sloping toward bay.

Berkeley (Shattuck, corner of Center St.). Loud earth noises heard. Small objects shifted in drugstore. Ground: Level.

Berkeley (U.C. Radiation Laboratory). Motion slow, up and down. Faint earth noises heard. Plaster cracked some. Damage very slight. Ground: Rocky soil.

Berkeley (2501 Prince St.). Small objects shifted. Ground: Level, compact.

Berkeley (2200 Grove St.). Small objects shifted. Ground: Soil, compact, level.

22 March, 11:44:21\*. Intensity VI. (cont.)

INTENSITY V - Berkeley

- Berkeley (1305 Bayview). Small objects shifted. One vase broke.  
Ground: Rocky, compact, level.
- Berkeley (1740 Walnut St.). Small objects shifted. Ground:  
Compact, level.
- Berkeley (2338 Telegraph Ave.). Small objects shifted. Ground:  
Compact, sloping.
- Berkeley (School for Blind). Small objects and furnishings  
shifted. Ground: Level.
- Berkeley (Shattuck and Center, Hotel Shattuck Bldg.). Chande-  
liers swung violently. Damage none or slight.
- Berkeley (1419 Campus Dr.). Very slight plaster cracks. Ground:  
Rocky, compact, level.
- Berkeley (609 Santa Barbara; in hills). Chairs rocked. Small  
objects fell. Ground: Sloping.
- Berkeley (2709 Dwight Way). Furnishings shifted. Ground: Soil,  
compact, sloping.
- Berkeley (1102-A 10th St.). Opened oven door. No damage in old  
building constructed about 1850. Ground: Soil, sloping,  
filled in; former beach line.
- Berkeley (1743 Addison). Entire building seemed to rock back and  
forth N-S. Ground: Soil, compact, level.
- Berkeley. The following locations reported no shifted or fallen  
objects and no damage:  
1829 Berkeley Way  
Grant and Bancroft  
571 Neilson St.  
1788 Sonoma St.  
29 Live Oak Rd.  
U.C. Campus, Life Science Bldg.  
U.C. Campus, Virus Laboratory, 5th floor  
Durant near Shattuck (on street)  
1024 Mariposa Ave.  
2951 Pine St.  
2615 Etna St.  
2355 Hilgard Ave.  
1522 Channing Way  
139 Purdue Ave.  
1150 Arch St.  
2161 Allston Way  
953 Arlington Ave.  
3028 College Ave.  
1154 Spruce St.  
10 Rock Lane  
1256 Queen's Rd.  
810 San Luis Rd.  
780 Euclid



22 March, 11:44:21\*. Intensity VI. (cont.)

INTENSITY V - Berkeley

**Berkeley.** Locations reporting no shifted or fallen objects and no damage. (cont.)

1332 Hopkins Court

6 Sunset Lane

1890 Arch St.

**Berkeley.** No damage was found in Berkeley schools.

**Bodega Bay.** Direction N. Moderate earth noises heard by many 2 seconds before shock. Felt by all; frightened many. Windows, doors, and dishes rattled. Hanging objects swung. Small objects shifted; books fell.

**Bolinas.** Press reported food market was in shambles from fallen merchandise.

**Bolinas.** Moderate earth noises heard by many 2 seconds before shock. Felt outdoors by observer (active); frightened all in community. "Shock severely felt here. No damage to post office but quite a bit to goods in local grocery store. Quite a bit of glass knickknacks and antiques broke in one home. Seemed to rock from SW-NE but am not certain."

**Boyes Hot Springs.** Motion rapid. Earth noises heard by few. Felt by many on first floor of strongly built stucco post office building (active); frightened few in community. Windows and doors rattled. Few plaster cracks reported. Ground: Rocky, sloping.

**Boyes Hot Springs.** V. Motion slow, lasted 30 seconds. Direction W. Pendulum clock stopped. Moderate earth noises heard. Ground: Soil, level.

**Brisbane.** Motion rapid. Loud earth noises heard by many. Direction W. Felt by all and frightened many in community. Windows, doors, and dishes rattled; house creaked. Hanging objects swung. Trees, bushes shaken strongly. Small objects and furnishings shifted; vases and small objects overturned. Plaster, windows, walls cracked. Knickknacks, pictures, and plaster fell. Dishes and windows broke. Damage considerable. Ground: Rocky, compact, sloping and steep.

**Brisbane (school).** Motion rapid, pause of about 20 seconds, then shaking for 20 seconds. Loud earth noises heard. Small objects and furniture shifted. Plaster cracked. Ground: Soil over rock, sloping.

**Brisbane.** Motion rapid, rolling, lasted 4-5 seconds. Direction S-N. Moderate earth noises heard. Large pieces of furniture shifted. Damage slight. Ground: Compact, sloping.

22 March, 11:44:21\*. Intensity VI. (cont.)

Burlingame. Press reported police and fire departments had no reports of serious building damage. Ledge broke loose from a house on Adeline Drive; two gas mains ruptured in the Hillsdale Industrial Park. Woman reportedly thrown from chair in home, receiving minor shoulder injury; another woman fainted. People left stores.

Burlingame. District Superintendent of Burlingame Schools reported no damage had been found in Burlingame schools.

Burlingame (1811 Adrian Rd.). Motion rapid, lasted 15-30 seconds. Direction NE-SW. Small objects and furnishings shifted. Plaster, walls, and ground cracked. Damage slight to concrete. Ground: Level, filled in.

Burlingame (208 Clarendon Rd.). Motion rapid, lasted about 1 minute. Moderate earth noises heard. Small objects shifted. Chimney cracked. Damage slight to brick and masonry. Ground: Filled in.

Burlingame (Primrose Rd.). Motion rapid, lasted about 20 seconds. Moderate earth noises heard. Small objects shifted. Chimneys cracked next door. Damage slight. Ground: Level.

Burlingame (1718 Easton Dr.). Motion rapid, sharp up-and-down jerks. Trees swayed NE. Small stucco cracks. Ground: Soil, compact, level.

#### INTENSITY V - Burlingame

Burlingame. Direction E-W. Moderate earth noises from E-W heard by many 2 seconds before shock. Felt by all in post office building; frightened many in community. Windows, doors, and dishes rattled; building creaked. Hanging objects swung E-W. Small objects shifted. Ground: Soil, compact, level.

Burlingame (1450 Lincoln Ave.). Motion rapid, lasted 10 seconds. Rumbling earth noises heard. Felt by many; frightened few. Pictures tilted. Ground: Soil, compact, level.

Burlingame (north section). Motion rapid, lasted about 30 seconds. Loud earth noises heard by observer 1-2 seconds before shock. Felt by all. Windows, doors, and dishes rattled; walls creaked. Small objects shifted. Ground: Soil.

Burlingame (1505 Los Montes Dr.). Small objects and canned goods shifted. "Most aftershocks felt." Ground: Level, compact.

Burlingame (north Burlingame hills). Dishes broke. Ground: Compact, sloping.

Burlingame (1544 Carol Ave.). Bric-a-brac and pictures on walls shifted. Ground: Compact.

Burlingame (1412 Alvarado, north Burlingame). Every picture in house shifted. Ground: Sloping.

22 March, 11:44:21\*. Intensity VI. (cont.)

INTENSITY V - Burlingame

- Burlingame (1511 Drake Ave.). Roll of shelf paper and two bottles in closet fell. One bottle partly filled with liquid. Ground: Compact.
- Burlingame (1000 Larkspur Dr.). Small objects shifted.
- Burlingame (1400 Bellevue Ave.). Two small train cars fell from shelf and broke; small objects shifted. Ground: Compact, level.
- Burlingame (2301 Hillside Dr.). Small objects shifted. Ground: Level.
- Burlingame (464 Marin Dr.). Small objects shifted. Ground: Soil, compact, level, filled in.
- Burlingame (1532 Howard Ave.). Small objects and furnishings shifted slightly. Ground: Soil, compact, level.
- Burlingame (1457 Bellevue Ave.). Small objects shifted. Ground: Soil, compact, level.
- Burlingame (113 Los Montes Dr.). Small objects shifted. Dogs barked. Ground: Soil, compact, level.
- Burlingame (1620 Forest View). Small objects shifted. Ground: Soil, compact, level.
- Burlingame (2932 Hillside Dr.). Pictures and books shifted. Ground: Rocky, sloping.
- Burlingame (1471 Drake Ave.). Small objects shifted. Ground: Soil, sloping.
- Burlingame (933 Bayshore Blvd.). Small objects shifted. Damage slight. Ground: Soil, level.
- Burlingame (Purity Store). Small objects shifted. Ground: Soil, compact, level.
- Burlingame (1489 Burlingame Ave.). Small objects shifted. Ground: Compact, level.
- Burlingame (391 Lexington Way). Small objects and furnishings shifted. "Felt several subsequent single jolts." Ground: Soil, compact, level.
- Burlingame (1921 Devereux Dr.). Dishes broke. Small objects shifted. Ground: Soil, compact, level.
- Burlingame (1410 Grove St.). Small objects and furnishings shifted.
- Burlingame. Trees in nursery swayed some. Ground: Soil, level.
- Burlingame. Locations reporting no shifted or fallen objects and no damage:  
845 Acacia  
1519 Columbus Ave. "Felt a total of nine distinct shocks."

Canyon. Motion rapid, lasted 30 seconds. Moderate to loud earth noises from NE heard by many 1 second before shock. Direction NNE. Felt by all and frightened all in community. Windows, doors, and dishes rattled; walls creaked. Doors

22 March, 11:44:21\*. Intensity VI. (cont.)

swung. Pendulum clock stopped. Trees, bushes shaken strongly. Plaster, windows, walls, and chimneys cracked. Pictures fell. Windows broke. Damage slight to brick, masonry, and concrete. Ground: Rocky, loose, sloping.

Canyon. V. Motion rapid, lasted about 15-30 seconds. Felt by all neighbors; frightened few; dog very frightened. Windows and doors rattled; walls creaked. Floor lamp swayed. "Those questioned all heard rumble. One person reported three distinct shocks from E-W, one of which was a continuous up-and-down and sidewise shock. Persons living in houses high on hills felt only the major shock. Store on floor of canyon reported six shocks were felt: 08:38, 10:48, 11:44, 15:14, 16:26, and 00:13."

Concord. Press reported 90 square feet of composition subceiling fell at the year-old Mayfair Market; canned goods shaken from shelves. This was the only reported damage in Contra Costa County.

Concord. V. Motion rapid, lasted about 1 minute. Felt by many in community; frightened many on first floor of strongly built cement-block post office building. Walls creaked. Ground: Soil, compact, level.

Concord (200 Detroit Ave.). V. Motion slow, lasted about 30 seconds. Direction NE. Glassware in greenhouse rattled. Cracks in drying-cut soil slightly lengthened. "The only shifting I noticed was that of one bench which is built around and attached to a center post support. The bench legs shifted about 1/3 inch in a NE direction, and remained in the new position, making the bench wobbly." Ground: Soil, compact, level.

Concord (1692 Georgia Dr.). V. Motion rapid, lasted full 30 seconds. Direction NE. Moderate earth noises heard. Small objects shifted. Ground: Soil, level.

Concord (1549 Grove Way). V. Motion rapid, lasted few seconds. Direction E-W. Moderate earth noises heard. "I was watching T.V. The picture moved from side to side, the sound went off, then we felt the shock." Ground: Soil, compact, level.

Concord (1167 Carey Dr.). III. Motion slow, rocking, lasted 1-2 minutes. Direction N-S. Ground: Soil, compact, level.

Concord (2036 Highland Dr.). III. Lasted 5-10 seconds. Direction indoors NW-SE with some vertical components. Moderate earth noises heard. Ground: Soil, compact, sloping.

Concord (2212 Channing Court). II. Motion rolling, fairly rapid, lasted 30 seconds or less. Faint earth noises heard. Ground: Soil and adobe, level.

Corte Madera. Motion rapid, lasted 15 seconds. Loud earth noises heard by many. Felt by all and frightened few in community. Windows, doors, and dishes rattled; house creaked. Hanging objects swung. Small objects shifted. Damage slight. Ground: Soil.