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INTENSITY VI - San Francisco

Sarah B. Cooper, Lombard and Jones St. Cracks in stairwell.

Sherman, Union, near Gough St. Few plaster cracks.

Spring Valley, Jackson, near Hyde St. Cast stone fell from cornice. Plaster cracks.

Sunnyside, Foerster, near Hearst Ave. Few plaster cracks.

Sutro, Funston Ave., near California St. Few plaster cracks.

Twin Peaks, Corbett Ave. and Dixie St. Acoustical tile fell.

Visitacion Valley, Visitacion Ave. and Schwerin St. Few plaster cracks.

Washington Irving, Broadway, near Sansome St. Minor damage to wood.

Winfield Scott, Divisadero, near Beach St. Some roof tiles loosened.

San Francisco State College, 1600 Holloway Ave. No building sustained structural damage. Damage consisted mainly of plaster and window cracking. Approximately 70-80 windows in exterior sash required replacement. Continuous ground crack around the perimeter of one building. The crack was about 1/8 inch wide and about 6 feet away from the face of the building. Estimated cost of repairs to all buildings, \$26,530, with \$17,400 of the total cost required for the Library Building.

San Francisco (California Academy of Sciences, Golden Gate Park). Motion rapid, lasted 1-1½ minutes. Direction NE and E-W. Felt by and frightened all. Loud earth noises heard. Shop machines rattled. Hanging objects swung. Books and electrical parts fell. Damage slight.

San Francisco (California Academy of Sciences, Golden Gate Park). "Plaster damage in Dioramas in west wing (North American Wing). Plaster cracked at juncture of Diorama walls to roof beam. There was some debris on the skylights of the Dioramas which was thought to be paint flakes and plaster shaken loose by the shock. There was a very small crack, 3 inches long, in the bottom of the plate glass of the

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second Diorama from the entry in the main lobby. There was a small spalled spot on the tail of the plaster model of the thresher shark in the display room at the northeast corner of the building. There is a statue outside the building near the northeast corner with a roof supported by four columns. One column cap was badly cracked and several columns were cracked."

San Francisco (Federal Office Building, Civic Center). Motion rocking, rolling, generally N-S. Felt by all. Creaking of building and rattling of loose objects heard by almost everyone. Disturbed objects observed by almost everyone. Visible swaying of buildings and trees. Some plaster cracks in south walls of building. One waste water main broke. Pictures swayed; file cabinets opened to 1 foot; mercury shaken out of cistern of recording barometer; instrument console shook, mechanically providing .01 inch precipitation. General alarm; few panic stricken. Ground: Sandy.

San Francisco (State Building, McAllister St., between Polk and Larkin Sts.). "First floor - East wall of hallway cracked at juncture of western two-story addition to the six-story central wing of original building. There were four vertical cracks in this wall with some cracks having plaster spalling from them. The west wall of the eastern two-story addition to six-story central wing of the original building was cracked. The cracks occurred where partitions abut this wall. Main stairs - east end west - Partition wall cracked at the landing between the third and fourth floors. The partition runs east-west. Horizontal cracks occurred about 6 inches above the landing. There were separation cracks between the plaster ceiling on the underside of the stairs and the metal stair stringers. These cracks were most noticeable between the third and fourth floors but occurred to some degree between the second and fifth floors."

San Francisco (Southern Pacific Building, 65 Market St., 10-story building, on 125-foot piling). Considerable plaster cracking and numerous windows cracked and broken throughout the building. Hollow tile walls throughout the ground floor offices cracked, some to the extent that surface plaster was removed. Some stall doors jammed in Women's Room on 6th floor.

San Francisco (Southern Pacific Building). Motion rapid, lasted 1 minute. Direction vertical, then E-W. Felt by and frightened many. Windows and doors rattled; walls creaked.

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Hanging objects swung. Electric clock stopped. Plaster and windows cracked. Damage slight. Ground: Filled in. San Francisco (Southern Pacific Building). Very strong. Direction seemed vertical, with W-E sway. Lasted about 2-3 minutes. Excited everyone. Building moved on piling very noticeably. Lights swung wildly. Drawers in desks and cabinets slid open.

San Francisco (Ferry Building). Motion rapid, lasted about 10 seconds. Felt by all and frightened many on third floor (active; standing). Windows and doors rattled; building creaked. Ferry building clock stopped. Small objects and furnishings shifted. Plaster cracked. Few dishes broke. Damage slight. Ground: 120 feet bay mud.

San Francisco (Ferry Building). Motion rapid, lasted about 8 seconds. Direction N. Felt by all in building. Windows and doors rattled severely; building creaked severely. Hanging objects swung N. Small objects overturned. Plaster cracked. Damage slight to plaster. Ground: Pier over fill.

San Francisco (Berry St., between 3rd and 4th Sts.). Motion rapid, lasted 20 seconds. Direction E-W. Felt by and frightened all. "Just stopped my car, which rocked with a rolling motion. Freight cars on spur tracks moved. No visible damage at this site."

San Francisco (675 Post St.). Large plate glass window broke. San Francisco (651 Brannan St.). Plate glass windows broke.

San Francisco (Merchandise Mart, 1355 Market St.). Considerable minor pounding damage on every floor where original building joins annex.

San Francisco (St. Francis Hospital, Hyde and Bush Sts.). Plaster cracked considerably. Small objects shifted. Ground: Soil level.

San Francisco (Mills Tower, Bush St., 6th floor). Motion slow, rolling, N-S, lasted 30 seconds. Loud noise like heavy thunder heard at beginning of shock. Felt by all in office building; frightened all in community. Windows, doors, and partitions rattled. Hanging objects swung N. Small objects shifted. Plaster, walls, and ceiling cracked; plaster fell. Damage slight to plaster. "Two girls hysterical; several persons nauseated." Ground: Compact, level.

San Francisco (Sansome and Pine Sts.). Motion slow, N-S, lasted 30 seconds. Felt by all in office building; outdoors by others (active); frightened all in community. Windows and doors rattled. Hanging objects swung. Small objects shifted. Some persons became nauseated. Ground: Compact, level.

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San Francisco (Merchants Exchange Building, 465 California St.). Motion rapid, lasted 15 seconds. Felt by and frightened all. Windows and doors rattled; walls creaked. Plaster cracked. Damage slight. Ground: Rocky, filled in.

San Francisco (465 California St.). Motion rapid, lasted about 35 seconds. Felt by all in reinforced-concrete building; frightened few. Prolonged rattling of windows and doors; prolonged creaking of building. Plaster cracked. Ground: Rocky.

San Francisco (465 California St.). Commercial Club. Direction NE. Felt by and frightened all. Windows rattled. Small objects shifted. Ground: Level.

San Francisco (465 California St., 10th floor). V. Direction E-W. Felt by all on 10th floor; by others outdoors (active); frightened many in community. Building rattled. Ground: Level, filled in.

San Francisco (Post Street at Grant Avenue). Some debris from ledges, etc. Windows shook violently.

San Francisco (Franklin Hospital, 14th and Noe Sts.). Motion sharp, lasted about 30 seconds. Earth noises heard by many. Felt by and frightened all. Windows, doors, and dishes rattled; building creaked. Small objects and furnishings shifted. Plaster cracked and fell. Damage slight.

San Francisco (Stonestown, Emporium). Settlement of sidewalk. Plaster cracked.

San Francisco (Stonestown, 360 Buckingham Way). Dishes and windows broke. Plaster cracked. Refrigerator and range twisted. Damage considerable to china, glassware, mirrors, etc. Ground: Sloping.

San Francisco (Stonestown, 255 Buckingham Way, 9th floor). Dishes, windows, and furniture broke. Plaster cracked. Damage considerable to lamps, pictures, dishes, glass, and furniture. Ground: Level, filled in.

San Francisco (Stonestown Market). Dishes and windows broke. Plaster, windows, and walls cracked. Deep crack in entire ceiling. Damage considerable to concrete. Ground: Sandy soil, level.

San Francisco (Stonestown, 85 Buckingham Way). Small objects shifted. Dresser mirror broke. Plaster cracked. Damage slight. Ground: Filled in.

San Francisco (Stonestown, Prudential Life). Safe and other large objects shifted. Plaster cracked. Damage slight to plaster. Ground: Soil, compact, level.

San Francisco (Parkmerced, 100 Font Blvd., Apt. 11-L). Dressers shifted. Dishes broke. Walls cracked. Ground: Filled in, sloping.

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- San Francisco (Parkmerced, 22 Fuente Ave.). Furnishings shifted. Dishes broke. Plaster and walls cracked. Damage slight to concrete. Ground: Sandy, level and sloping; filled in.
- San Francisco (Parkmerced Towers, 9th floor). Furnishings shifted. Plaster cracked. Damage slight. Ground: Soil, compact, sloping.
- San Francisco (Parkmerced Tower Apartments, 405 Serrano Dr.). Glassware, pictures, etc., shifted. Dishes broke. Plaster cracked. Damage slight. Ground: Probably soil, level.
- San Francisco (Parkmerced, 131 Bucareli Dr.). Small objects shifted. Plaster cracked. Damage slight. Ground: Soil, compact, level.
- San Francisco (Parkmerced, 3rd floor). Small objects and furnishings shifted. Plaster and walls cracked. Damage slight.
- San Francisco (Parkmerced, 120 Serrano Dr.). Small objects shifted. Plaster cracked. Damage very slight. Ground: Compact, level.
- San Francisco (634-45th Ave.). Motion rapid. Motion N-S and up and down. Felt by and awakened observer on first floor of weakly built wooden house. Windows, doors, and dishes rattled; house creaked. Hanging objects swung. Small objects shifted; vases overturned; knickknacks fell. Dishes and one vase broke. Damage slight. Dog terrified. Ground: Sandy, steep.
- San Francisco (87 Niagara Ave.). Two-story wooden back stairs collapsed.
- San Francisco (345 Randolph St.). Large amount of canned goods fell in store.
- San Francisco (1386-31st Ave.). Motion rapid. Felt by and frightened all. Windows, doors, and dishes rattled; house creaked. Small objects and furnishings shifted; vases and small objects overturned; knickknacks, books, and pictures fell. Ground: Compact.
- San Francisco (1910 Baker St.). Motion rapid, lasted about 30 seconds. Moderate earth noises heard. Small objects shifted. One dish broke. Small amount of plaster cracked. Ground: Sandy.
- San Francisco (1177 Valencia St.). Motion rapid, lasted 30 seconds. Loud earth noises heard at beginning of shock. Felt by and frightened all in home. Windows and doors rattled. Hanging objects swung. Small objects overturned. Plaster and walls cracked. Pictures fell. Damage slight. "Motion was like a spinning top, twisting and jarring, then aftershocks."
- San Francisco (NE corner of Broadway and Octavia). Motion rapid, lasted 1 minute. Felt by and frightened all in home. Windows,

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doors, and dishes rattled; frame creaked. Doors swung. Small objects shifted and overturned. Pictures fell. Cracked plaster, and panel off of baseboards, which were distorted. Ground: Soil, sloping.

San Francisco (179-15th Ave.). "Front terrazzo stairs separated from stucco buttresses on side. Iron drainpipe on side of house bent and knocked loose from house." Ground: Soil, level.

San Francisco (678-11th Ave.). Windows, doors, and dishes rattled. Hanging objects swung E-W. Pendulum clock facing N stopped. Trees, bushes shaken strongly. Small objects and furnishings shifted; vases, etc., small objects overturned. Plaster cracked and fell. "Found minor damage at home. Floor lamps knocked over; cracks in plaster; small knickknacks broken; clock moved on mantel."

San Francisco (3233 Jackson St.). Motion rapid. Felt by all in home. Moderate earth noises heard. Windows rattled; walls creaked. Plaster cracked (most cracks old and widened a little). House (part rock and adobe) very well built. Ground: Rocky, soil.

San Francisco (470-19th Ave.). Motion slow after first jerk, lasted 15-20 seconds. Felt by all; frightened all in home. "House creaked so loudly could not have heard earth noises." Windows, doors, and dishes rattled. Hanging objects swung E-W. Small objects shifted; vases and small objects overturned; knickknacks and books fell from inside walls. Dishes broke. Damage slight.

San Francisco (265 Santa Clara). Motion slow, lasted 5 seconds. Direction S-N. Loud earth noises from S-N heard by many. Felt by many; frightened many in home. Windows, doors, and dishes rattled; house creaked. Hanging objects swung S-N. Trees, bushes shaken moderately. Small objects and furnishings shifted; small objects overturned. Plaster cracked. Knickknacks, books, pictures, and plaster fell. Slight amount of dish and window breakage. Damage slight. "Following shocks seemed to be jolts with no compass directions." Ground: Compact, sloping.

San Francisco (1870-9th Ave.). "Arrived home to find ornaments such as vases and knickknacks thrown across the room in a NE direction. Contents of bathroom cabinet fell out and door closed. Phonograph moved 8 inches from wall. Stairwell seemed to have sunk 1/4 inch. Second step down from front door chipped and cement at side of joint broken loose. Some loose plaster bits on stairs and in hall. Damage slight. Building wood-frame; two stories above garage."

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San Francisco (2534-45th Ave.). Motion rapid, lasted 30 seconds. Loud earth noises heard by many 3 seconds before shock. Felt by and frightened all in home. Windows, doors, and dishes rattled; house creaked. Hanging objects swung. Furnishings shifted; vases and small objects overturned. Plaster and walls cracked. Knickknacks, books, pictures, and plaster fell. Dishes broke. Damage slight. Ground: Loose, sandy.

San Francisco (2218-31st Ave.). Motion jolting, then moderate shaking, lasted 1-2 minutes. Loud earth noises heard. Small objects fell from shelves. Bookcases and T.V. moved. Spring in 400-day clock broke; vases, bottle, and electric light on front porch broke. Ground: Sandy, sloping.

San Francisco (143 Brunswick St., Crocker-Amazon District). Motion rapid, eased off, then strong shaking. Moderate earth noises heard. Small objects shifted. Dishes broke. Plaster cracked. Damage considerable. Ground: Compact, sloping.

San Francisco (1911 Hayes St.). Motion rapid, lasted 2 minutes. Direction W. Moderate earth noises from W heard by many. Felt by all; frightened few. Windows rattled; walls creaked. Hanging objects swung W. Small objects and furnishings shifted. Plaster, windows, walls cracked. Knickknacks, books, and plaster fell. Windows broke. Damage considerable. Ground: Rocky, compact, level.

San Francisco (1856-24th Ave.). Motion slow, lasted few seconds. Direction S-N. Loud earth noises from S-N heard by many. Felt by observer (active) on first floor of strongly built brick building (store); frightened many. Windows rattled. Pendulum clock stopped. All grocery merchandise fell off shelves. Store closed for five hours. Damage about \$1,500. Ground: Soil, level.

San Francisco (2858A-25th St.). Vases overturned; knickknacks fell. Plaster and walls cracked. Damage slight.

San Francisco (Sunset District). Observer living at 1310-29th Ave. "By comparison the homes on the west side of 29th Avenue all had cracked walls, fallen plaster, broken bric-a-brac, and opening of cabinet doors. Also, the stores on Irving Street, south side between 20th and 23rd Avenues, had broken windows, while those on the north escaped damage, although some have equally large windows."

San Francisco (252-3rd Ave.). Small objects and furnishings shifted; dishes broke. Damage considerable to concrete. Ground: Filled in.

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- San Francisco (40 De Soto St.). Plaster, walls, chimneys cracked. Fireplace shifted 1/3 inch and facing loosened. Damage about \$200 to brick, masonry, and plaster. Ground: Soil, compact, sloping.
- San Francisco (2557 Alemany Blvd.). Grand piano shifted. Stair railings broke. Plaster, windows, walls, and chimneys cracked. Garage doors jammed. Damage considerable. Ground: Soil, compact, level.
- San Francisco (1367 Cayuga, near Geneva Ave.). Plaster, walls, and fireplace cracked. Damage considerable. Ground: Filled in.
- San Francisco (1259 Cayuga Ave.). "Water draining from cracks in street." Few dishes and figurines broke. Damage slight. Ground: Soil and clay, compact, fairly level.
- San Francisco (103 Crescent Ave.). Walls and stucco cracked considerably. "I was working on a building under construction at the 200 block on Pine Street when the strongest shock occurred. It was a rolling N-S motion, lasting about 30 seconds. Whipping motion of flagpoles on the taller buildings nearer Market Street was the most notable effects in that area." Ground: Level, filled in.
- San Francisco (2419 Vallejo St.). Windows broke. Plaster and chimneys cracked; chimney fell.
- San Francisco (1515 Sloat Blvd., Lakeshore Plaza). Windows broke; plaster cracked. Damage considerable. Ground: Loose, level.
- San Francisco (2247-34th Ave., Parkside District). Brick bulwark cracked; slight plaster cracks. Damage slight. Ground: Loose, level.
- San Francisco (11 Imperial Ave., Upper Marina). Plaster and walls cracked. Damage considerable. Ground: Rocky.
- San Francisco (66 Santa Ana Ave., St. Francis Woods). Objects shifted, particularly heavy, loose objects. Stone fireplace cracked. Dishes broke. Damage considerable.
- San Francisco (255 Rolph St.). Dishes broke. Plaster and walls cracked. Damage considerable to concrete. Ground: Soil, level.
- San Francisco (3292-18th St.). Plaster, windows, and walls cracked. Damage considerable. Ground: Filled in.
- San Francisco (426 Castenada Ave.). Dishes broke. Plaster, walls, and ground cracked. Damage considerable. Ground: Rocky, loose, steep.
- San Francisco (1282-43rd Ave.). Dishes and windows broke. Plaster and walls cracked. Damage considerable. Ground: Soil.
- San Francisco (61 Tinian Rd.). Incinerators cracked. Ground: Rocky soil, sloping.

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- San Francisco (440 Ellington Ave.). Dishes and glassware broke. Plaster and walls cracked in every room of house. Damage considerable.
- San Francisco (151 Head St.). Dishes broke. Plaster and walls cracked. Damage considerable to brick, masonry, and concrete. Ground: Soil, loose, sloping.
- San Francisco (107 Eugenia St.). Dishes broke. Foundation had 3/8 inch crack; tongue and groove at intersection of floor in bathroom separated; pulled stair tread away from back of steps; moved fence. Damage slight to considerable. Ground: Rocky.
- San Francisco (Safeway Store, 4800 block on Mission St.). Dishes and windows broke. Plaster and windows cracked. Damage considerable. Ground: Level.
- San Francisco (1251-18th Ave.). Dishes broke. Plaster and walls cracked. Damage considerable.
- San Francisco (2135-15th Ave.). Hot water heater, refrigerator, etc., shifted. Dishes and bric-a-brac broke. Plaster cracked; crack through basement floor and foundation. Water pipe leading into house broke. Damage considerable to concrete. "Several shocks felt." Ground: Sloping, steep; on hill.
- San Francisco (United Air Lines Building). Plaster cracked. Damage considerable to interior. Ground: Level, filled in.
- San Francisco (12 Mateo St.). Dishes broke. Ceiling and walls of entire house cracked. Damage considerable. Ground: Soil, compact, steep.
- San Francisco (2527-23rd Ave.). Windows broke. Plaster and walls cracked. Damage considerable (about \$175). Ground: Soil, compact.
- San Francisco (385 Valdez Ave.). Dishes broke which were in a NE-SW line. Plaster and walls cracked. Damage considerable. Ground: Sloping.
- San Francisco (Broad and Plymouth Sts.). Windows broke. Damage considerable. Ground: Level.
- San Francisco (2355-37th Ave.). Dishes and bric-a-brac broke. Plaster and walls cracked. Damage considerable to concrete terrazzo steps. Ground: Sand dunes; level.
- San Francisco (112 San Pablo Ave., St. Francis Woods). Furniture moved. Dishes broke. Many wall and ceiling cracks. Damage considerable. Ground: Soil, sloping.
- San Francisco (2643-38th Ave.). Dishes broke. Plaster and walls cracked. Damage considerable. Ground: Level.
- San Francisco (95 Erookdale Ave., Sunnydale Housing Unit). "Could see whole structure in a cross-wise wrench and hear cracking sound of concrete giving way. So obvious was unsafeness

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of concrete that I took child outdoors to clearing, away from any poles, lines, or buildings. Every door, window sill and jamb cracked. Concrete walls cracked. Have felt each aftershock, same line of direction to this room, where I sit and sew a good deal of the time." Damage considerable to concrete. Ground: Rocky, sloping; shelf cut in hill of rock; cement floor on rock bed.

San Francisco (243 Broad St.). Dishes and windows broke. Plaster, windows, and walls cracked. Damage considerable. Ground: Sandy soil, level.

San Francisco (255 Ellington Ave.). Refrigerator moved 6 inches; stove moved 2 inches. Dishes broke. Plaster and walls cracked. Water pipe broke. Damage considerable. Ground: Soil, level.

San Francisco (516 Ellington Ave.). Dishes broke. Plaster and stucco cracked. Damage great to wood, brick, masonry, and concrete. Ground: Soil, level.

San Francisco (358 Randolph St.). Dishes, windows, and furniture broke. Plaster, windows, and walls cracked. Damage considerable to brick, masonry, and concrete. Ground: Sloping, compact.

San Francisco (739 Victoria St.). Plaster cracked in almost every room. Two chimney bricks fell. Damage considerable in living room: great number of cracks in plaster. Ground: Compact, sandy, level.

San Francisco (1489-18th Ave.). Plaster cracked in basement room from ceiling to floor, also smaller cracks in rooms on first floor. Damage slight.

San Francisco (792 Head St.). Plaster and walls cracked. Chimney fell. Damage considerable to wood and concrete. Ground: Loose, sloping.

San Francisco (435 Clipper St.). Plaster, walls, foundation, and ground cracked. Damage considerable to concrete. Ground: Soil, sloping.

San Francisco (61 Westwood Dr.). Dishes broke. Plaster cracked. Twisting and fall of chimney. Damage considerable to brick, masonry, and concrete (repairs about \$1,700).

San Francisco (210 San Benito Way). Refrigerator shifted. Dishes broke. Plaster and chimney cracked; chimney fell. Damage slight to brick, masonry, and concrete. Ground: Soil.

San Francisco (181 De Soto St.). Dishes broke. Plaster, walls, and chimney cracked. Damage considerable. Ground: Soil, level.

San Francisco (446 Brunswick St.). Dishes broke. Damage considerable to concrete. Ground: Level.

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- San Francisco** (811 Head St., Ingleside Terrace). Dishes broke. Plaster cracked. Chimney twisted. Damage considerable. Ground: Level.
- San Francisco** (380 Chester St.). "The earthquake was very intense, gathering great force with a giant jack hammer effect and with a slithering motion like a car with locked brakes going into a side slide. No warning rumble; rumble heard when shock reached peak shake. Lamps, knickknacks, china, and groceries all spewed out. My heavy oak china cabinet and massive table moved 2-3 inches away from original position; kitchen stove moved 2 inches; furnace in basement moved 2 inches off base and water heater tilted off base. Living room outer wall buckled. Plasterboard cracked throughout house, also outside plaster. Basement floor cracks look like a spider web. Electric wires outside snapped in two. Everything in our home was in a shambles. Constant tremors from 8:38 A.M. on Friday to 12:05 Sunday night, with one small tremor Monday morning. We are located at Junipero and Alemany Blvds." Ground: Soil, compact, slightly sloping.
- San Francisco** (corner 6th Ave. and Balboa Sts.). Dishes, windows, and furniture broke. Plaster and walls cracked. Damage considerable. Ground: Compact, level.
- San Francisco** (10 Homewood Court). Stove and refrigerator shifted. Dishes broke. Plaster cracked all over house outside; chimney cracked. Damage slight to considerable in bathroom between tile. Plaster cracks not wide. Ground: Sloping; filled in one year ago.
- San Francisco** (2039-41st Ave.). Refrigerator and water heater shifted. Dishes broke. Plaster cracked. Damage considerable to plaster. Ground: Sand dunes.
- San Francisco** (2434-26th Ave.). Dishes broke. Plaster torn off wall (about 130 square feet). Ground: Sandy, sloping.
- San Francisco** (675 Head St.). Dishes and bottled goods broke. Plaster, walk, retaining wall, and terrazzo steps cracked. Cracks and breakage in stucco front and basement floor. Damage considerable. Ground: Sandy soil, steep.
- San Francisco** (2 Genesee St.). Dishes and windows broke. Plaster, windows, walls, and chimneys cracked. Damage considerable. Ground: Compact, level.
- San Francisco** (1609-26th Ave.). Broke dishes, windows, and furniture. Interior and exterior plaster and walls cracked. Damage considerable to wood, brick, masonry, and concrete. Ground: Soil, level.

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- San Francisco (1071 Munich St.). Furnishings shifted 4 inches. Plaster and walls cracked. Sprung overhead garage doors. Damage considerable to concrete. Ground: Soil, sloping.
- San Francisco (704 Junipero Serra Blvd., Lakeside). Furnishings shifted. Dishes and windows broke. Plaster cracked. Damage considerable. Ground: Soil, level and sloping.
- San Francisco (178 De Soto St.). Dishes broke. Plaster, walls, and steps cracked. Damage considerable (about \$200). Ground: Compact, level.
- San Francisco (2125 Lincoln Way). Furnishings shifted. Dishes broke. Plaster and windows cracked. Damage considerable. Ground: Compact, level.
- San Francisco (46th Ave. and Noriega St.). Furnishings shifted. Windows broke. Plaster cracked. Damage considerable. Ground: Loose, level.
- San Francisco (224 Miramar Ave.). Furnishings and stove shifted. Dishes and furniture broke. Plaster, walls, chimney, and fireplace cracked. Damage considerable to terra cotta stairs. "Always hear noise before shakes." Ground: Soil, compact, level.
- San Francisco (250 San Benito Way). Refrigerator and stove shifted. Dishes broke. Plaster and chimney cracked. Plaster cracked both inside and outside of windows. Some cement stucco cracked. Front and back stairs dropped about 1/8 to 1/16 inch. Damage considerable. Ground: Sandy, sloping.
- San Francisco (104 Eagle St.). Furnishings shifted. Outside sidings pulled apart. One water pipe twisted and leaked; heat vent pipe cracked. Damage to wood and concrete. Ground: Soil, loose, sloping and steep.
- San Francisco (226 Caselli Ave.). Furnishings shifted. Dishes broke. Plaster, walls, and ground cracked. Damage considerable to concrete. Ground: Filled in.
- San Francisco (2611 San Jose Ave.). "The Safeway store is the one from my house going in the direction of Daly City, past the part where railroad crosses street. My 3-year-old daughter and I were at the store when shock occurred. There was a smell of gas. My children said there was the same smell at St. Michael's School. As soon as one smelt the gas it really began to shake. The ground seemed to rise up and down and the most awful roar - something so different from all other sounds - came with this movement. Store seemed to rock and roll several times, then shake very hard. Glass, food, etc., flew. People ran; some panicky. Others, like myself, didn't know if it was an explosion or shock until we went outside. As I ran home I saw other damage. In our apartment one room had no damage, while four others either

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had large cracks over walls or complete breaks and fallen plaster. Pictures, etc., flew and bathroom was a mess, everything broke. As soon as we went inside the house we felt more movement of the house and ground in the backyard and heard noises and rumbles. This kept on all the rest of the day and night. All we did was come in and run out."

San Francisco (315-4th Ave.). Furnishings shifted. Dishes broke. Plaster cracked in kitchen. Damage considerable. All closed doors opened. Ground: Soil, compact, level.

San Francisco (2392-28th Ave.). Second floor. Figurines broke. Lamp fell from nightstand. Clothing thrown from closet and shelves. Trim on dressing table broke off and found in middle of floor (nails still in it). Canned goods in storage closet thrown out and dented. Cupboard doors opened, causing glass stelware to fall and break. Kitchen service table pushed to center of room. Stove knob fell off and was found in corner of room. About an 8-inch wall crack over window. Ground: Soil, level.

San Francisco (686-40th Ave.). Furniture moved from walls. Many objects thrown to floor. Juices spilled in refrigerator. "I ran out the back way and heard my neighbor two doors away screaming. When I ran out to backyard, I found the earth was moving away from me, like an escalator. It moved so rapidly it made me dizzy and sick. The building kept on creaking for sometime afterwards, as if settling. I believe the tile in the bathrocm has settled about 1/32 inch." Ground: Compact, level, sloping.

San Francisco (332 Clement St.). Store. "Packing stripped loose from plumbing pipes in rear of building. Water ran out in buckets full and went all through the floor and ceiling of room below. Plaster on ceilings and walls loosened by shock and soaked with water."

San Francisco (352 Arlita Ave.). Ceiling cracked in two places. Gas line broke in two places. Ground: Solid rock; slight hill.

San Francisco (1001 Portola Dr.). "It was the most terrifying experience of my life. House shook. Cupboards, oven, and refrigerator doors flew open. Knickknacks and pictures fell, some broke. I ran to rear of house. Patio shook; flower pot broke." Ground: Soil, sloping.

San Francisco (55 Noe St.). "The noise of great hammer blows was terrific. Everything rattled and swayed. My unbelieving eyes saw my grand piano dancing a jig - seemed to rise up off the floor. All of the shocks were felt here, including a continued slight trembling on Saturday in p.m. No rolling motion. Mid-morning shock on 22nd sounded as if a big truck had crashed into house." Ground: Soil, compact, level.

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San Francisco (380 San Leandro Way). Dishes broke. Plaster cracked and a small amount fell in each room. Vase and mirror fell and broke. Ground: Soil, level.

San Francisco (975 Holloway Ave.). Heavy refrigerator shifted 2½ inches. Dishes broke. Plaster in nearly all rooms cracked just under ceiling around entire room. Pictures askew. Articles on W-E shelves fell. Ground: Probably soil over rock; bottom of hill.

San Francisco (737 Anderson St.). Furnishings shifted. Ground: and cement foundation holding fence cracked. Books and radio fell. Damage slight. Ground: Rocky soil, compact, sloping.

San Francisco (2419-38th Ave.). Heavy furnishings shifted. House cracked where joined on south side. Damage slight. Ground: Sandy, level.

San Francisco (2469-18th Ave.). Two chests shifted. Dishes broke: few fell from open bookcase. One 12-inch plaster crack. Damage very slight to concrete steps.

San Francisco (430 Edinburgh St.). Small objects and furnishings shifted. Plaster, walls, and chimney cracked. Damage moderate.

San Francisco (238 Victoria). Furnishings shifted. Dishes broke. Plaster and walls cracked. Damage slight to wood. Ground: Sloping.

San Francisco (Moraga near 22nd Ave., Sunset District). Small objects and furnishings shifted considerably. Dishes broke. Plaster and walls cracked. Damage considerable to china; some damage to concrete. Ground: Sandy, sloping.

San Francisco (2055-12th Ave.). Plaster cracked; cement foundation cracked. Damage slight. Ground: Soil, level.

San Francisco (2029 Vicente St., near 30th Ave.). Small objects and furnishings shifted. Few exterior cracks in stucco and patio doors. One 10-inch figurine broke; bottles fell from medicine cabinet and broke. "Canvas walls and ceilings prevented damage." Ground: Soil, slightly sloping.

San Francisco (523-44th Ave.). Few dishes broke. Plaster cracked slightly. Slight damage to base of firewall. Ground: Compact, sloping.

San Francisco (100 Moncada Way). Furnishings shifted. Plaster, walls, and chimneys cracked. Damage slight. Ground: Rocky.

San Francisco (46 Vernon St., Merced Heights District). Furnishings shifted. Dishes broke. Stucco cracked around steps outside. Damage slight. Ground: Soil, compact, gently sloping.

San Francisco (2535-37th Ave.). Stove, refrigerator, water heater shifted. Exterior stucco cracked. Damage slight to concrete. Ground: Sandy, level.

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

INTENSITY VI - San Francisco

- San Francisco (14th and Market Sts., Modern Appliance Co.). All refrigerators rocked strongly and danced. T.V. sets on turntable went round and round.
- San Francisco (168-19th Ave.). Pictures fell from walls. Slight damage to concrete steps. Ground: Loose, level.
- San Francisco (78 Jules Ave.). Furnishings shifted. Dishes broke. Plaster and walls cracked. Damage slight to concrete. Ground: Rocky, compact, sloping and steep.
- San Francisco (322-28th Ave.). Furnishings shifted. Dishes and windows broke. Plaster cracked. Damage slight to concrete. Ground: Soil, level.
- San Francisco (Quarters 10-B, Presidio). One antique urn broke. "There was some damage to a neighbor's house across the street and a chimney on one of the old brick barracks lost some bricks; some dishes broke at Letterman Hospital." Ground: Soil, sloping.
- San Francisco (947 Bush St.). Window broke. Walls cracked. Ground: Soil, level.
- San Francisco (2000-45th Ave.). General disorder in house. Beds moved 3 inches from wall. Drawers opened. Plaster cracked at juncture of ceiling and wall. Damage slight to concrete steps at wall joints. Ground: Sandy, level.
- San Francisco (2966-26th Ave.). Everything in house shifted. Dishes broke. Plaster cracked; cement in basement cracked. Damage slight. Ground: Soil, level.
- San Francisco (2122-47th Ave.). Small objects and furnishings shifted. Dishes broke. Plaster cracked; driveway cracked. Damage slight.
- San Francisco (801 Taraval St.). Furnishings shifted. Plaster, windows, and walls cracked. Damage slight to concrete. Ground: Sandy, sloping.
- San Francisco (222 Juanita Way). Furnishings shifted. Plaster cracked. Damage slight to concrete. Ground: Rocky, steep.
- San Francisco (23⁴3-17th Ave.). Small objects shifted. Plaster cracked; foundation and steps cracked. Damage slight to concrete. Ground: Sandy, loose, sloping. Later shocks felt; E-W direction.
- San Francisco (2207 Cabrillo St.). Furnishings shifted. Plaster, walls, and chimneys cracked. Damage slight to brick and masonry. Ground: Level.
- San Francisco (184 Forest Side Ave., West Portal District). Small objects and furnishings shifted at least 3 inches. Plaster and walls cracked. Damage slight to concrete. Ground: Filled in, sloping.

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

INTENSITY VI - San Francisco

San Francisco (183 Trumbull St., near Mission and Alemany). Small objects shifted. Plaster cracked. Damage slight to concrete. Ground: Filled in, sloping.

San Francisco (837-36th Ave.). Small objects and furnishings shifted. Contents of cupboards thrown to floor. Desk moved 5 inches from wall. Chimney lining broke. Ground: Sandy, level and slightly sloping.

San Francisco (254 Hearst Ave., Excelsior District). Small objects shifted. Dishes broke. Plaster cracked. Damage slight to concrete: enlarged old cracks in basement floor. Ground: Sloping.

San Francisco (1723 Eucalyptus Dr.). Many ceramics, etc., fell from shelves and broke. Plaster cracked. Several seams between baseboard and floor opened. Damage slight. Ground: Level, compact, soil.

San Francisco (19 Navajo Ave.). Small objects and furnishings shifted. Dishes broke. Plaster and walls cracked. Damage about \$100. Ground: Level, compact, soil.

San Francisco (2530-45th Ave.). Small objects shifted. Sheet rock cracked. Damage slight. Ground: Sandy, level.

San Francisco (29 Calgary St.). Electric range shifted. Dishes broke. Ground: Soil, level, filled in.

San Francisco (So. Sea View Terrace). Small objects shifted. Dishes broke. Plaster cracked. Damage slight to concrete. Ground: Level.

San Francisco (276 Granada Ave.). Small objects and furnishings shifted. Dishes broke. Plaster cracked in five rooms. Ground: Soil, compact, sloping.

San Francisco (615 El Camino Del Mar, Sea Cliff). Furnishings shifted. Plaster and walls cracked. Damage slight. Ground: Soil.

San Francisco (144-A Diamond St.). Small objects shifted. Plaster, walls, and chimneys cracked; chimney fell. Damage slight. Ground: Soil.

San Francisco (130 Fell St.). Small objects shifted. Plaster and walls cracked. Damage slight to brick and masonry. Ground: Soil, compact, level.

San Francisco (15th and Harrison Sts.). Small objects and furnishings shifted. Plaster and walls cracked. Damage slight to concrete. Ground: Level, filled in.

San Francisco ("0 Crestlake Dr.). Small objects and furnishings shifted. Dishes and figurines broke. Plaster, walls, and brick fireplace cracked. Damage slight. "The force of the shock hurled an iron flower pot holder from the balcony outside the living room window down to the lawn, almost reaching the sidewalk." Ground: Level.

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

INTENSITY VI - San Francisco

- San Francisco (Letterman Hospital, Presidio). Walls cracked.
- San Francisco (1727-38th Ave.). Small objects and furnishings shifted. Dishes broke. Plaster, walls, and one window cracked. Damage slight. Ground: Loose, sloping.
- San Francisco (2055-41st Ave.). Small objects and furnishings shifted. Dishes broke. Plaster cracked; small crack in foundation. Damage considerable to dishes. Ground: Sloping.
- San Francisco (6000 Fulton St.). Small objects shifted. Plaster and walls cracked. Damage slight. Ground: Soil, level.
- San Francisco (88 Huron Ave.). Small objects and furnishings shifted. Dishes broke. Plaster and walls cracked. Damage slight to concrete. Ground: Compact, level.
- San Francisco (220 Corona St., Ingleside Terrace). Small objects and furnishings shifted. Dishes, windows, and furniture broke. Plaster and windows cracked. Damage moderate. Ground: Sandy loam, slightly sloping.
- San Francisco (1024 Judah St.). Small objects and furnishings shifted. Dishes broke. Plaster and walls cracked. Damage slight. "The breaking of glass and dishes could have made earth noises seem loud." Ground: Soil.
- San Francisco (930 Persia Ave.). Small objects and furnishings shifted. Dishes broke. Plaster, walls, and cement in basement cracked. Damage slight to concrete. Ground: Rocky, sloping.
- San Francisco (552 Los Palmos Dr.). Small objects and furnishings shifted. Dishes and windows broke. Plaster cracked. Damage moderate. Ground: Soil, compact, level.
- San Francisco (281 Hazelwood Ave.). Small objects shifted. Dishes and windows broke. Plaster and walls cracked. Damage slight. Ground: Compact, sloping.
- San Francisco (44 Madrone Ave.). Small objects and furnishings shifted. Dishes and windows broke. Plaster and walls cracked. Damage slight. Ground: Loose, sloping.
- San Francisco (138 Miramar Ave.). Small objects and furnishings shifted. Dishes broke. Plaster and walls cracked. Damage slight. Ground: Soil, loose, sloping.
- San Francisco (1530-23rd Ave.). Small objects and furnishings shifted. Dishes broke. Plaster, walls, and chimneys cracked. Damage slight. Ground: Sandy, compact, level.
- San Francisco (255 Munich St.). Small objects and furnishings shifted. Plaster, walls, and chimneys cracked. Damage slight. Ground: Rocky, sloping, filled in.
- San Francisco (201 Morningside Dr., Lakeshore District). Small objects and furnishings shifted. Plaster and walls cracked. Damage slight. Ground: Sandy, level.

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

INTENSITY VI - San Francisco

- San Francisco (174 Caselli Ave.). Small objects shifted. Dishes broke. Plaster and walls cracked. Damage slight. Ground: Soil, compact, sloping.
- San Francisco (1782-8th Ave.). Small objects and furnishings shifted. Dishes broke. Plaster and walls cracked. Damage slight. Ground: Soil, loose, compact.
- San Francisco (607-23rd Ave.). Small objects and furnishings shifted; dishes fell. Plaster and walls cracked; stucco and stairs cracked. Damage slight. Ground: Level, slightly sloping in back of house.
- San Francisco (225 Broad St.). Small objects and furnishings shifted. Dishes and furniture broke. Plaster and walls cracked; ground cracked. Ground: Rocky, level.
- San Francisco (262-29th Ave.). Furnishings shifted. Plaster and walls cracked. Damage slight.
- San Francisco (436 Staples St.). Plaster cracked slightly. Damage slight to concrete bannister. Ground: Soil, compact, level.
- San Francisco (3427 Ortega St.). Fireplace cracked. Slight cracks in concrete. Ground: Sandy, level.
- San Francisco (2471-43rd Ave.). Small objects and furnishings shifted. Plaster and walls cracked. Damage slight. Ground: Sandy, level.
- San Francisco (279-32nd Ave.). Small objects and furnishings shifted. Dishes, windows, and furniture broke. Plaster cracked. Damage considerable. Ground: Compact.
- San Francisco (333 Pioche St.). Small objects shifted; moved refrigerator. Snapped off tile toothbrush holder in bathroom and emptied contents of medicine chest. Plaster, walls, and ceiling cracked; concrete steps and bulkhead in yard cracked. Damage slight. Ground: Rocky, sloping.
- San Francisco (1130 Larkin St.). Small objects and furnishings shifted. Plaster and walls cracked. Damage slight.
- San Francisco (1458-31st Ave.). Small objects and furnishings shifted. Dishes broke; two windows broke. Plaster and walls cracked. Ground: Sandy, loose, level.
- San Francisco (212 Douglass St.). Pipe broke.
- San Francisco (444 Larkin St.). Plaster cracked. Damage slight to concrete.
- San Francisco (512 Frederick St.). Small objects and furnishings shifted; canned goods, dishes, pictures fell to floor. Plaster and outside facings on front of building cracked. Damage slight to concrete; stucco finish cracked. "Water from the tank on the wall above the toilet (4th floor) spilled over from the west end each time there was a shock stronger than usual." Ground: Rocky soil, level. Building built in 1908.

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

INTENSITY VI - San Francisco

- San Francisco (Front end Jackson St.). Small objects shifted. Plaster cracked. Damage slight to brick and masonry, hollow tile (3rd floor). Ground: Level, filled in.
- San Francisco (2737-35th Ave.). Drawers opened. Books fell to floor. Dishes broke. Plaster, walls, and stucco cracked. Damage slight to sheet rock, stucco, dishes, and objects. Ground: Sandy, level.
- San Francisco (464-43rd Ave.). Small objects shifted. Dishes and windows broke. Plaster and walls cracked. Sides and ceiling plaster twisted. Plaster cracked in all rooms on first and third floors. Damage slight to concrete. Ground: Sandy, sloping.
- San Francisco (319 Clement St.). Dressers, stove, etc., moved. Dishes broke. Plaster and walls cracked; doors cracked at corners. Damage slight. Ground: Compact, level.
- San Francisco (46 Allison St., Geneva District). Moved heavy stove about 2 inches off cups. Dishes and ornaments broke. Damage slight. Ground: Rocky, sandy, sloping.
- San Francisco (318-27th Ave.). Small objects and furnishings shifted. Plaster and walls cracked. Lamps and pictures on table fell and broke. Damage slight to brick and masonry; plaster at ends of concrete front steps damaged. Ground: Sandy, level, filled in.
- San Francisco (2539-43rd Ave.). Piano on rubber bases on a thick rug moved 1 inch; refrigerator moved 3 inches. Both moved in north direction. Dishes on south wall thrown down and broke. Damage slight. Ground: Soil, compact, sloping.
- San Francisco (2630 Ortega St.). Small objects shifted. Dishes broke. Patio wall cracked. Damage slight. Ground: Sandy soil, slightly sloping.
- San Francisco (215 South Hill Blvd.). Small objects shifted. Fireplace tile cracked. Damage slight. Ground: Compact, sloping.
- San Francisco (3121 Anza St., upper floor). Small objects shifted. Dishes broke. Plaster and walls cracked. Damage slight. Ground: Loose, sloping.
- San Francisco (837 Brussels St.). Small objects and furnishings shifted; moved stove 1 inch. Plaster cracked. Damage slight to concrete. Ground: Rocky soil, compact, sloping.
- San Francisco (435-9th Ave.). Small objects and furnishings shifted. Ground cracked. Damage slight. Ground: Loose, level.
- San Francisco (1249-18th Ave.). Small objects shifted. Walls cracked. Damage slight. Ground: Level.
- San Francisco (Pier 18, Embarcadero). Plaster and walls cracked. Damage slight.

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

INTENSITY VI - San Francisco

- San Francisco (845 Corbett Ave.). Refrigerator and flower pots shifted. Vase, flower pots, and lock on balcony door broke. Plaster in subbasement foundation and small place on steps cracked. Ground: Soil, compact, level.
- San Francisco (2005-35th Ave.). Stove and refrigerator shifted. Dishes broke. Plaster, walls, and ground cracked. Damage slight to concrete. Ground: Sandy, loose.
- San Francisco (150 St. Charles Ave.). Objects and furnishings shifted. Dishes broke. Plaster cracked. Damage slight to stucco and steps. Ground: Sandy soil, level.
- San Francisco (466-31st Ave.). Small objects shifted; bookcase moved west 1 inch from wall; sliding door moved 4 inches south. Three small objects broke. Damage slight. Ground: Sandy, sloping.
- San Francisco (73 Downey St.). Small objects shifted. Plaster and walls cracked. Damage slight. Ground: Rocky, sloping.
- San Francisco (2246-43rd Ave.). Small objects and furnishings shifted. Dishes broke. Plaster and walls cracked. Damage slight to concrete. Ground: Sandy soil, sloping.
- San Francisco (118 Terra Vista). Small objects and furnishings shifted. Damage slight to fireplace. "Many aftershocks felt not listed in newspaper." Ground: Rocky soil.
- San Francisco (682-6th Ave.). Small objects shifted. Damage slight to concrete. Ground: Sandy.
- San Francisco (230 Hazelwood Ave.). Refrigerator moved 1 foot. Ground: Soil, sloping.
- San Francisco (59 Marne Ave.). Large objects shifted. Dishes broke. Plaster and walls cracked inside and outside. "Homes all about this house affected very little." Ground: Soil, loose, quite steep.
- San Francisco (360 San Benito Way). Small objects and furnishings shifted. Dishes and windows broke. Plaster, walls, and chimney cracked; chimney twisted. Damage slight to brick and masonry. Ground: Soil, loose, level.
- San Francisco (2468-14th Ave.). Small objects and furnishings shifted. Dishes broke. Plaster, walls, and chimneys cracked. Damage slight to brick and masonry. Ground: Sandy, sloping.
- San Francisco (1801-28th Ave.). Small objects and furnishings shifted. Dishes broke. Walls cracked. Damage slight. Ground: Sandy, level.
- San Francisco (547 Rameell St., Ingleside District). Small objects and furnishings shifted. Dishes broke. Plaster and walls cracked. Damage slight. Ground: Compact, sloping.
- San Francisco (737-26th Ave.). Small objects shifted. Plaster and walls cracked. Damage slight. Ground: Sloping.

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

INTENSITY VI - San Francisco

- San Francisco (2351-44th Ave.). Small objects and furnishings shifted. Dishes, windows, and furniture broke. Plaster walls cracked; mantel cracked. Damage slight.
- San Francisco (1485 Market St.). "One of the fluorescent lights, about 6 feet long and one of many on the ceiling, snapped off at one end, suspending itself from the ceiling by the other end. I heard the inspector say that the tile in all the restrooms was cracked. This location is the Social Security Area office." Ground: Soil, level.
- San Francisco (533-28th Ave.). Small objects and furnishings shifted. Dishes broke. Walls cracked. Damage slight. Ground: Sloping, filled in.
- San Francisco (Geary and Van Ness Ave.). Small objects shifted. Plaster, windows, and walls cracked. Damage slight. Ground: Rocky.
- San Francisco (27-7th Ave., Park-Presidio District). Small objects shifted. Plaster and walls cracked. Damage slight. Ground: Sandy, level.
- San Francisco (447-34th Ave.). Front window broke; lamp broke; ornaments fell from shelves. Plaster cracked. Statues fell from shrines on the north and south fences; another statue twisted. In house (upstairs) statues fell from shelves on east wall only. Chimney cracked above the roof, close to east wall of house. "No other house on our block had a broken window." Ground: Sand, slightly sloping.
- San Francisco (650 Stanyan St.). Planter knocked off T.V. and two flower pots fell in dining room. All plants destroyed. Plaster cracks in living room and dining room; small bits of plaster on floor. Two small tables moved sidewise from original position. Ground: Sandy soil, level.
- San Francisco (1440 Harrison St.). Small objects shifted. Slab of marble broke on third floor. Damage slight. Ground: Level, filled in.
- San Francisco (1871 Page St.). Light chest of drawers shifted 3-4 inches in southerly direction. Small top-heavy objects (perfume, lipsticks) knocked over on chest. Quite a bit of cracked plaster, enough for paint to chip and small pieces to fall. Worst cracks from top to bottom in corners of two rooms. "Some top-heavy objects (packages) stored on a narrow shelf were not knocked over. They were against a wall to the south, so it seems to me that the motion must have been from north to south." Damage slight.
- San Francisco (2126-35th Ave.). Seven or eight potted plants fell from dining room table and broke; all fell to north side of table. Other small objects and figurines fell and broke. Kitchen stove shifted almost 1 inch to north.

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

INTENSITY VI - San Francisco

San Francisco (241 Granada Ave.). Piano moved 3 inches from wall; desk and bookcase moved 6 inches. All lamps, books, bric-a-brac, and clocks thrown to floor; also, groceries, dishes, and plants. Three stucco cracks on south outer wall; two front stairs loosened and wall on either side cracked and broken for a height of 2 feet. Damage slight. Ground: Sandy soil, loose, level.

San Francisco (Southern Pacific Yards, Visitacion Valley). Some material knocked off shelves in Stores Department on first floor. Plaster cracked. Damage slight. Ground: Level, filled in.

San Francisco (286 Sagamore St.). Few plaster cracks; three window cracks. Picture fell and broke; several potted plants fell and broke; one glass broke; small bottles thrown from medicine chest and few broke. Worst damage was to intake pipe of hot water heater, where a crack opened up following aftershocks, making it necessary to shut off water. Damage slight.

San Francisco (380 Pacheco, Forest Hills). Small objects and furnishings shifted. Dishes broke. Plaster, walls, and chimneys cracked. Damage slight. Ground: Soil, sloping.

San Francisco (145 Carmel St., near Shrader). Two slight cracks in plaster walls on each side of stairs leading to basement. New terrazzo step cracked. Gas meter twisted forward, with slight leak at joint. Slight settlement of foundation. "I was thrown around and around in circles. Other shocks quite severe. Shocks have continued incessantly day and night." Damage slight. Ground: Sandy, rocky; house on steep incline.

San Francisco (334 Orizaba Ave.). "House shook violently. Coffee spouted into the air from a cup that didn't turn over. Loud rumble virtually drowned out the sound of crashing dishes, breaking bottles, etc. Heavy refrigerator facing north moved 1½ feet away from south wall and swung west in more than a 30° angle. Stucco foundation chipped and cracked. Sounds from the aftershocks seem to come from west-east before the jerking and twisting motion. Aftershocks are still being felt (March 27)."

San Francisco (3045 Jackson St., between Baker and Lyon Sts.). On 6th floor. Some large cracks with chipped paint and some hairline cracks. Shower of paint flakes in every room. Medicine cabinet cracked. Glassware moved; some broke. Pictures moved 5 inches. "Felt most aftershocks." Ground: Sloping; hill.