RC. 749–A

GEOLOGICAL SURVEY CIRCULAR 749–A

Earthquakes in the United States, January–March 1975

Earthquakes in the United States, January–March 1975

By R. B. Simon, C. W. Stover, and W. J. Person

GEOLOGICAL SURVEY CIRCULAR 749–A

1977

United States Department of the Interior

CECIL D. ANDRUS, *Secretary*

Geological Survey

V. E. McKelvey, *Director*

Free on application to Branch of Distribution, U.S. Geological Survey, 1200 South Eads Street, Arlington, VA 22202

CONTENTS

ILLUSTRATIONS

TABLES

Earthquakes in the United States, January-March 1975

By R. B. Simon, C. W. Stover, and W. J. Person

INTRODUCTION

The earthquake information in this publication supplements that published in the NEIS (National Earthquake Information Service) publications, PDE ("Preliminary Determination of Epicenters") and "Preliminary Determination of Epicenters, Monthly Listing," to the extent of providing detailed felt and intensity data, as well as isoseismal maps for U.S. earthquakes. The purpose is to provide a complete listing of macroseismic effects of earthquakes, which can be used in risk studies, nuclear power plant site evaluations, seismicity studies, and answering inquiries by the public.

This publication contains two major sections. The first (table 1) is a tabular listing of earthquakes in chronological order by State, consisting of the following basic information: date, origin time, hypocenter, magnitude, maximum intensity, and the computational source of the hypocenter. The second section consists of 11 maps, one photograph, and table 2, which lists detailed intensity information. The list of earthquakes in table 1 was compiled from those located in the United States or off the coasts that were published in the PDE; from hypocenters in California above magnitude 3.0, supplied by California Institute of Technology, Pasadena, and the University of California, Berkeley; from hypocenters in Hawaii supplied by the Hawaiian Volcano Observatory; and from any others that were felt or that caused damage, regardless of magnitude or availability of a hypocenter. Known or suspected explosions are also listed.

The intensities and macroseismic data were compiled from information obtained through questionnaires (fig. 1), from newspaper articles, and with the cooperation of other government agencies, State institutions, local organizations, and individuals. (See "Acknowledgments" for a list of collaborators.) Anyone wishing to submit felt or damage information on earthquakes for inclusion in future reports should send it to the National Earthquake Information Service, Stop 967, Box 25046, Denver Federal Center, Denver, Colo. 80225. Copies of the "Earthquake Report" questionnaire can be obtained at this address.

The primary method used by the NEIS to collect macroseismic information is a questionnaire canvass using the "Earthquake Report" forms, which are mailed to postmasters in the area affected by the earthquake. The postmasters complete the forms and return them to the NEIS, where they are evaluated and an intensity value assigned. The intensity observations are mapped and contoured by isoseismals. Isoseismal contours present a generalization of intensity data and an extrapolation of these data to regions from which there are no observations; they do not necessarily account for every individual observation.

The data in table 2 will be included in the "Earthquake Description" section of "United States Earthquakes," an annual publication, to which later data from other sources may be added for the purpose of updating and completeness. "United States Earthquakes" is published jointly by the U.S. Geological Survey, Department of the Interior, and the Environmental Data Service, NOAA, Department of Commerce.

DISCUSSION OF TABLES

The parameters for the earthquakes in table 1 and table 2 include the date, origin time, hypocenter (epicenter and focal depth), magnitude, intensity, and hypocenter source. The origin time and date are listed in Universal Coordinated Time (UTC) and local standard time based on the time-zone maps in figures 2 and 3. The epicenters, which were taken from those published in the PDE, or from other sources as noted, are listed here to two decimals. The accuracy of the epicenters is that claimed by the institution supplying the hypocenter and is not necessarily the accuracy indicated by the number of decimals listed. The epicenters located by the NEIS have a varying degree of accuracy, usually two-tenths of

U.S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

EARTHQUAKE REPORT

Form Approved
OMB No. 42-R1700

Please answer this questionnaire carefully and return as soon as possible.

1. Was an earthquake felt by anyone in your town or zip code area recently?
   - ☐ Not felt: Please refold and tape for return mail.
   - ☐ Felt: Date_____ Time_____ ☐ AM ☐ PM ☐ Standard time ☐ Daylight time

Name of person filling out form _____

Address_____

City_____ County_____

State_____ Zip code_____

If you felt the earthquake, complete the following section. If others felt the earthquake but you did not, skip the personal report and complete the community report.

PERSONAL REPORT

2a. Did you personally feel the earthquake? 1☐ Yes ☐ No
b. Were you awakened by the earthquake? 2☐ Yes ☐ No
c. Were you frightened by the earthquake? 3☐ Yes ☐ No
d. Were you at 4☐ Home 5☐ Work 6☐ Other?
e. Town and zip code of your location at time of earthquake _____

f. Check your activity when the earthquake occurred:
7☐ Walking 8☐ Sleeping 9☐ Lying down 10☐ Standing
11☐ Driving (car in motion) 12☐ Sitting 13☐ Other
g. Were you 14☐ Inside or 15☐ Outside?
h. If inside, on what floor were you? 16☐☐

Continue on to next section which should include personal as well as reported observations.

COMMUNITY REPORT

Check one box for each question that is applicable.

3a. The earthquake was felt by	☐ No one	17☐ Few	18☐ Several	19☐ Many	20☐ All?
b. This earthquake awakened	☐ No one	21☐ Few	22☐ Several	23☐ Many	24☐ All?
c. This earthquake frightened	☐ No one	25☐ Few	26☐ Several	27☐ Many	28☐ All?

4. What outdoor physical effects were noted in your community?

Parapets or cornices fallen	29☐ Yes	☐ No	
Trees and bushes shaken	30☐ Slightly	31☐ Moderately	32☐ Strongly
Standing vehicles rocked	33☐ Slightly	34☐ Moderately	35☐ Strongly
Moving vehicles rocked	36☐ Slightly	37☐ Moderately	38☐ Strongly
Ground cracks	39☐ Wet ground	40☐ Steep slopes	41☐ Dry and level ground
Landslides	42☐ Small	43☐ Large	
Underground pipes	44☐ Broken	45☐ Out of service	
Water splashed onto sides of lakes, ponds, swimming pools	46☐ Yes	☐ No	
Elevated water tanks	47☐ Cracked	48☐ Twisted	49☐ Fallen (thrown down)
Air coolers	50☐ Displaced	51☐ Rotated	52☐ Fallen
Railroad tracks bent	53☐ Slightly	54☐ Greatly	
Stone or brick fences	55☐ Cracked	56☐ Fallen	57☐ Destroyed
Tombstones	58☐ Displaced	59☐ Cracked	60☐ Rotated
	61☐ Fallen		
Chimneys	62☐ Cracked	63☐ Twisted	64☐ Fallen
	65☐ Broken at roof line		66☐ Bricks fallen
Highways or streets	67☐ Cracked slightly	68☐ Large cracks	69☐ Displaced
Sidewalks	70☐ Cracked slightly	71☐ Large cracks	72☐ Displaced

Continued on the reverse side

FIGURE 1.--Example of the "Earthquake Report" form

5. What indoor physical effects were noted in your community?

Windows, doors, dishes rattled	73 ☐ Yes	☐ No		
Buildings creaked	74 ☐ Yes	☐ No		
Building trembled (shook)	75 ☐ Yes	☐ No		
Hanging pictures	76 ☐ Swung	77 ☐ Out of place	78 ☐ Fallen	
Water in small containers	79 ☐ Spilled	80 ☐ Slightly disturbed		
Windows	81 ☐ Few cracked	82 ☐ Some broken	83 ☐ Many broken	

6a. Did hanging objects, doors swing? ☐ No 84 ☐ Slightly 85 ☐ Moderately 86 ☐ Violently

b. Can you estimate direction? ☐ No 87 ☐ North/South 88 ☐ East/West 89 ☐ Other

7a. Were small objects (dishes, knick-knacks, pictures) ☐ Unmoved 90 ☐ Shifted 91 ☐ Overturned 92 ☐ Fallen, not broken 93 ☐ Broken?

b. Was light furniture ☐ Unmoved 94 ☐ Shifted 95 ☐ Overturned 96 ☐ Fallen, not broken 97 ☐ Broken?

c. Were heavy furniture or appliances ☐ Unmoved 98 ☐ Overturned 99 ☐ Shifted 100 ☐ Broken?

8. Indicate effects of the following types to interior walls if any:

Plaster	101 ☐ Cracked	102 ☐ Fell
Dry wall	103 ☐ Cracked	104 ☐ Fell
Ceiling tiles	105 ☐ Cracked	106 ☐ Fell

9a. Check below any damage to buildings or structures.

Foundation	107 ☐ Cracked	108 ☐ Destroyed		
Interior walls	109 ☐ Split	110 ☐ Fallen	111 ☐ Separated from ceiling or floor	
Exterior walls	112 ☐ Hairline cracks	113 ☐ Large cracks	114 ☐ Bulged outward	
	115 ☐ Partial collapse	116 ☐ Total collapse		
Building	117 ☐ Moved on foundation	118 ☐ Shifted off foundation		

b. What type of construction was the building that showed this damage?

119 ☐ Wood 120 ☐ Stone 121 ☐ Brick veneer 122 ☐ Other
123 ☐ Brick 124 ☐ Cinderblock 125 ☐ Reinforced concrete

c. What was the type of ground under the building?

126 ☐ Don't know 127 ☐ Sandy soil 128 ☐ Marshy 129 ☐ Fill
130 ☐ Hard rock 131 ☐ Clay soil 132 ☐ Sandstone, limestone, shale

d. Was the ground: 133 ☐ Level 134 ☐ Sloping 135 ☐ Steep?

e. Check the approximate age of the building:

136 ☐ Built before 1935 137 ☐ Built 1935-65 138 ☐ Built after 1965

10a. What percentage of buildings were damaged?

Within 2 city blocks of your location ☐ None 139 ☐ Few (about 5%) 140 ☐ Many(about 50%) 141 ☐ Most (about 75%)

b. In area covered by your zip code ☐ None 142 ☐ Few (about 5%) 143 ☐ Many (about 50%) 144 ☐ Most (about 75%)

11a. Were springs or well water disturbed? 145 ☐ Level changed 146 ☐ Flow disturbed 147 ☐ Muddied ☐ Don't know

b. Were rivers or lakes changed? 148 ☐ Yes ☐ No ☐ Don't know

12a. Was there earth noise? ☐ No 149 ☐ Faint 150 ☐ Moderate 151 ☐ Loud

b. Direction of noise 152 ☐ North 153 ☐ South 154 ☐ East 155 ☐ West

c. Estimated duration of shaking 156 ☐ Sudden, sharp (less than 10 secs) 157 ☐ Long (30-60 secs) 158 ☐ Short (10-30 secs) 159 ☐ Other

13. What is the approximate population of your city/town? Or are you in a

160 ☐ Less than 1,000 161 ☐ 10,000 to 100,000 164 ☐ Rural area?
162 ☐ 1,000 to 10,000 163 ☐ Over 100,000

This community report is associated with what town or zip code? _____

Thank you for your time and information. Refold this card and tape for return mail.

used for evaluating the intensities of earthquakes.

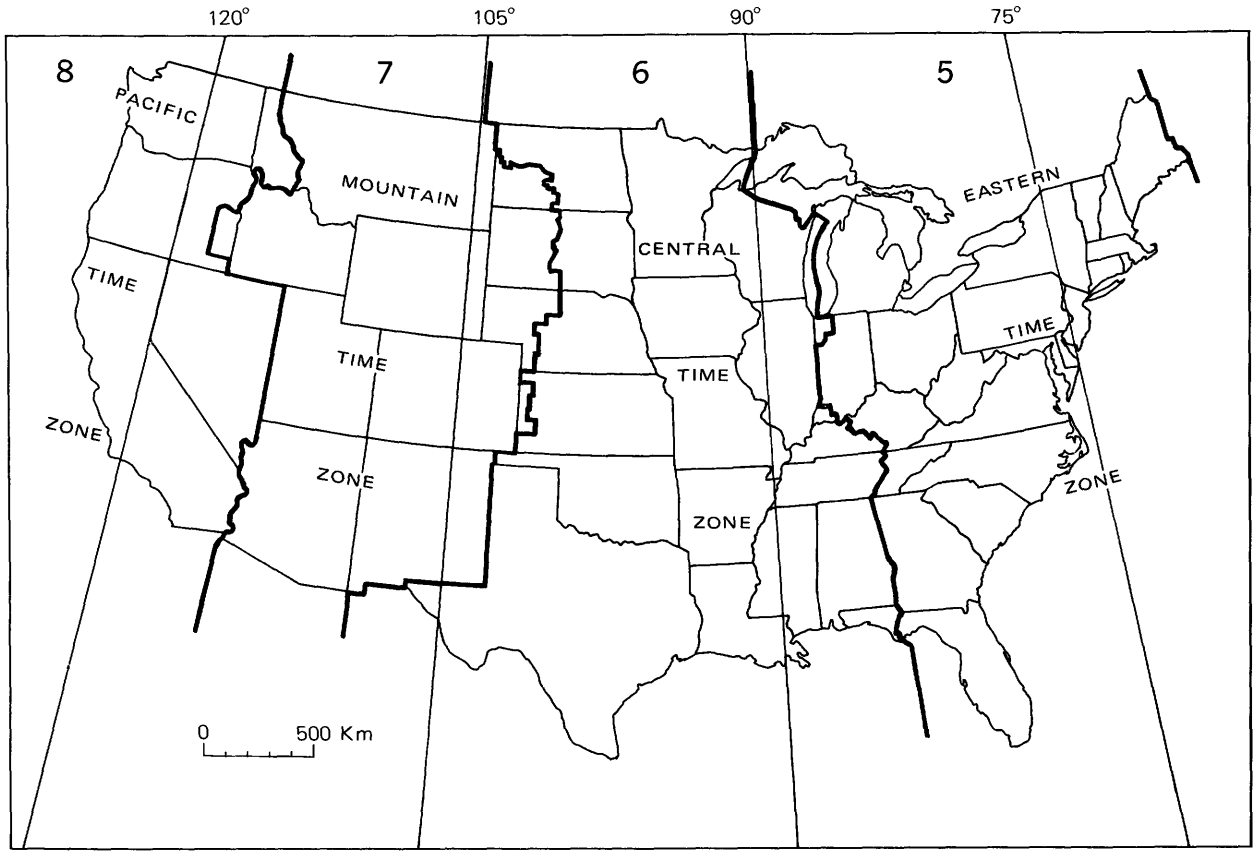

FIGURE 2.--Standard time zones of the conterminous United States. The number in each zone shows the number of hours to be subtracted from Universal Coordinated Time to convert to local standard time. (Subtract 1 hour less for local daylight-saving time.)

a degree or less, depending on their continental or oceanic location. The oceanic hypocenters are less accurate than those on the continent, even though both are listed to two decimals. Depths are listed to the nearest whole kilometer.

Figures 4-6 are maps summarizing the earthquake activity for the conterminous United States, Alaska, and Hawaii for the periods January-March 1975. The magnitudes plotted in these figures are based on ML or mbLg; if neither was computed, then on MS; and finally on mb, when it was the only magnitude computed.

The magnitude values listed in tables 1 and 2 were furnished by cooperating institutions or determined by the NEIS. The computational sources are labeled according to the assigned letter codes shown in headnotes to tables 1 and 2; the letter follows the value listed under the column heading "Magnitude". In table 1, the absence of a letter code indicates that the NEIS is the source. In table 2 the magnitude source is the same as the location source unless indicated otherwise, by an alphabetic character to the right of the magnitude value. The magnitude values calculated by the NEIS are based on the following formulas:

$$MS=\log(A/T)+1.66\log D+3.3, \quad (1)$$

as adopted by the International Association of Seismology and Physics of the Earth's Interior (IASPEI; Bath, 1966, p. 153), where A is the maximum horizontal surface-wave ground amplitude, in micrometers; T is the period, in seconds, and $18 \leq T \leq 22$; and D is the distance, in geocentric degrees (station to epicenter), and $20^\circ \leq D \leq 160^\circ$. No depth correction is made for depths less than 50 km.

$$mb=\log(A/T)+Q(D,h), \quad (2)$$

as defined by Gutenberg and Richter (1956), except that T, the period in seconds, is restricted to $0.1 \leq T \leq 3.0$, and A, the ground amplitude in micrometers, is not necessarily the maximum of the P-wave group. Q is a function of distance D and depth h, where $D \geq 5^\circ$.

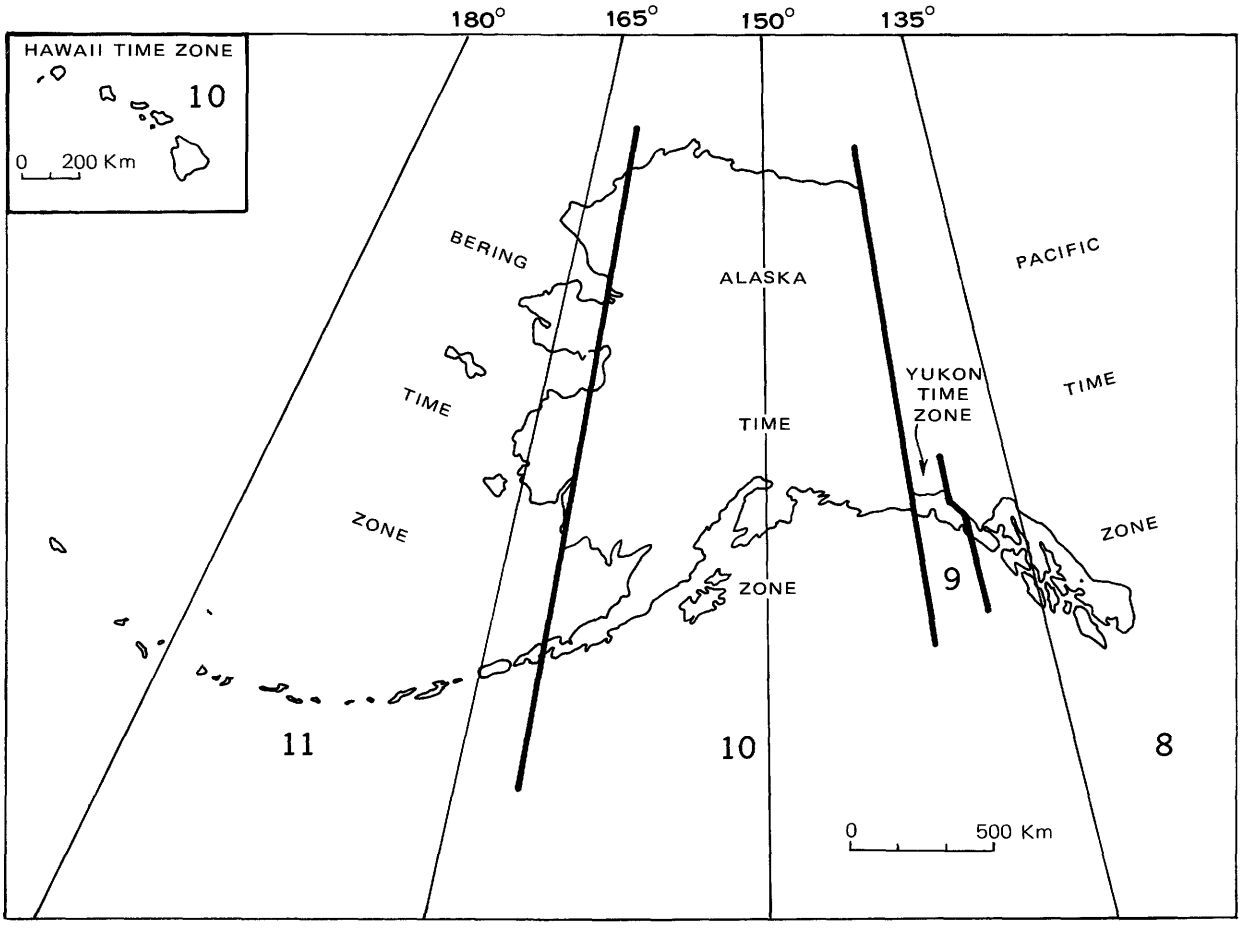

FIGURE 3.--Standard time zones of Alaska and Hawaii. The number in each zone shows the number of hours to be subtracted from Universal Coordinated Time to convert to local standard time. (Subtract 1 hour less for local daylight-saving time.)

$$ML=\log A-\log A_o, \quad (3)$$

as defined by Richter (1958, p. 340), where A is the maximum trace amplitude in millimeters, written by a Wood-Anderson torsion seismometer, and $\log A_o$ is a standard value as a function of distance, where the distance is $\leq$600 km. ML values are also calculated from other seismometers by conversion of recorded ground motion to the expected response of the torsion seismometer.

$$mbLg=3.75+0.90(\log D)+\log(A/T) \quad (4)$$
$$0.5^\circ \leq D \leq 4^\circ,$$

$$mbLg=3.30+1.66(\log D)+\log(A/T)$$
$$4^\circ \leq D \leq 30^\circ,$$

as proposed by Nuttli (1973), where A/T is expressed in micrometers per second, calculated from the vertical-component 1-second Lg waves, and D is the distance in geocentric degrees.

All of the intensity values (indicated by Roman numerals) listed in this summary were derived, using the Modified Mercalli Intensity Scale of 1931 shown below, from the evaluation of "Earthquake Report" forms; from field reports by U.S. Geological Survey personnel, engineering firms, or universities; and from detailed macroseismic data communicated to the NEIS by people in the area affected by the earthquake. All earthquake reports received which contain minimal information are assigned an Intensity II. These reports are filed in the offices of the NEIS or in government archives and are available for detailed study.

MODIFIED MERCALLI INTENSITY SCALE OF 1931

Adapted from Sieberg's Mercalli-Cancani scale, modified and condensed.

I. Not felt - or, except rarely under especially favorable circumstances. Under

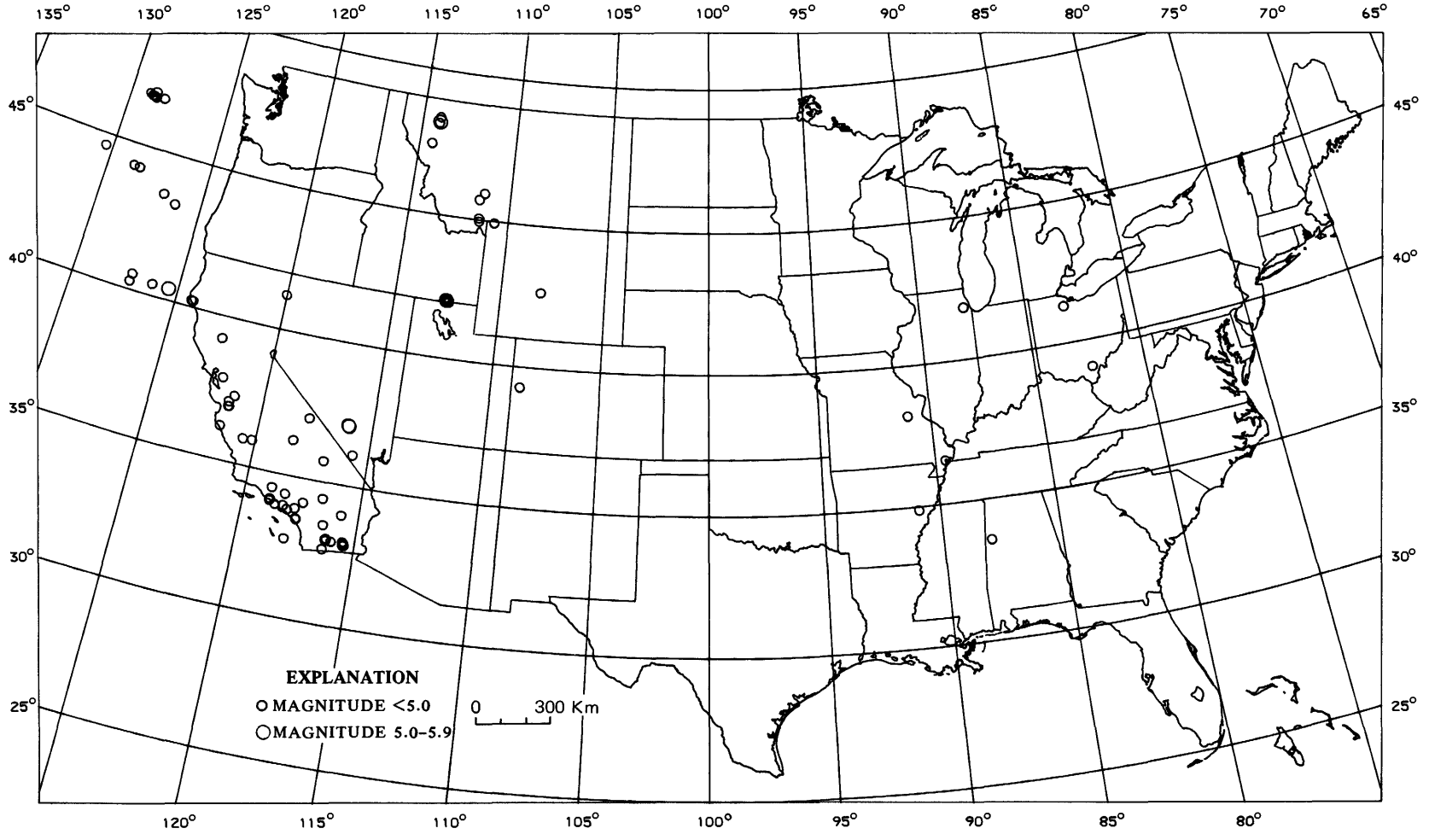

FIGURE 4.--Earthquake epicenters in the conterminous United States for January-March 1975, plotted from table 1.

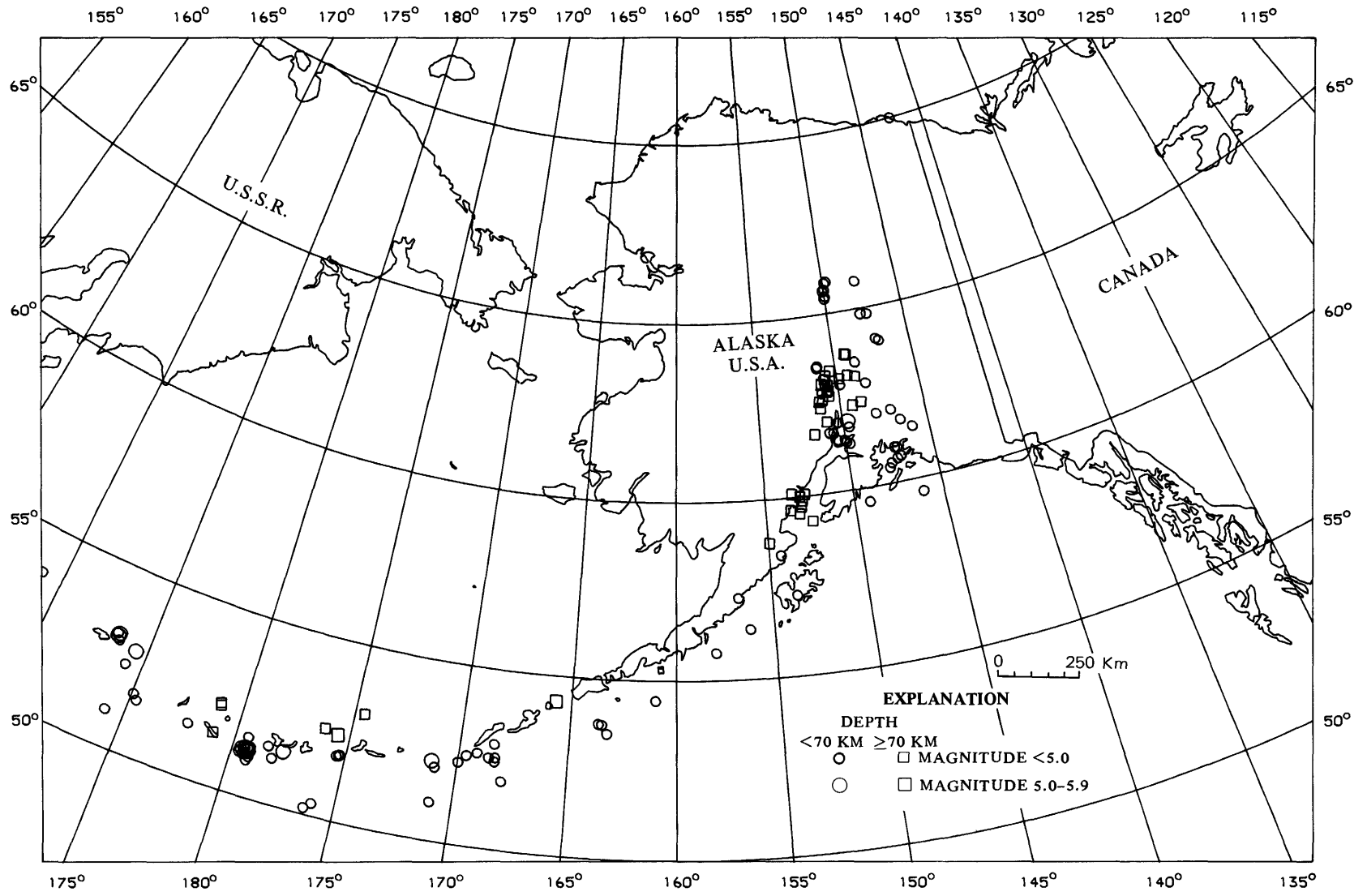

FIGURE 5.--Earthquake epicenters in Alaska for January-March 1975, plotted from table 1.

certain conditions, at and outside the boundary of the area in which a great shock is felt: sometimes birds, animals, reported uneasy or disturbed; sometimes dizziness or nausea experienced; sometimes trees, structures, liquids, bodies of water, may sway--doors may swing, very slowly.

II. Felt indoors by few, especially on upper floors, or by sensitive, or nervous persons. Also, as in grade I, but often more noticeably: sometimes hanging objects may swing, especially when delicately suspended; sometimes trees, structures, liquids, bodies of water, may sway, doors may swing, very slowly; sometimes birds, animals, reported uneasy or disturbed; sometimes dizziness or nausea experienced.

III. Felt indoors by several, motion usually rapid vibration. Sometimes not recognized to be an earthquake at first. Duration estimated in some cases. Vibration like that due to passing of light, or lightly loaded trucks, or heavy trucks some distance away. Hanging objects may swing slightly. Movements may be appreciable on upper levels of tall structures. Rocked standing motor cars slightly.

IV. Felt indoors by many, outdoors by few. Awakened few, especially light sleepers. Frightened no one, unless apprehensive from previous experience. Vibration like that due to passing of heavy or heavily loaded trucks. Sensation like heavy body striking building or falling of heavy objects inside. Rattling of dishes, windows, doors; glassware and crockery clink and clash. Creaking of walls, frame, especially in the upper range of this grade. Hanging objects swung, in numerous instances. Disturbed liquids in open vessels slightly. Rocked standing motor cars noticeably.

V. Felt indoors by practically all, outdoors by many or most: outdoors direction estimated. Awakened many, or most. Frightened few--slight excitement, a few ran outdoors. Buildings trembled throughout. Broke dishes, glassware, to some extent. Cracked windows--in some cases, but not generally. Overturned vases, small or unstable objects, in many instances, with occasional fall. Hanging objects, doors, swing generally or considerably. Knocked pictures against walls, or swung them out of place. Opened, or closed, doors, shutters, abruptly. Pendulum clocks stopped, started or ran fast, or slow. Moved small objects, furnishings, the latter to slight extent. Spilled liquids in small amounts from well-filled open containers. Trees, bushes, shaken slightly.

VI. Felt by all, indoors and outdoors. Frightened many, excitement general, some alarm, many ran outdoors. Awakened all. Persons made to move unsteadily. Trees, bushes, shaken slightly to moderately. Liquid set in strong motion. Small bells rang--church, chapel, school, etc. Damage slight in poorly built buildings. Fall of plaster in small amount. Cracked plaster somewhat, especially fine cracks chimneys in some instances. Broke dishes, glassware, in considerable quantity, also some windows. Fall of knick-knacks, books, pictures. Overturned furniture in many instances. Moved furnishings of moderately heavy kind.

VII. Frightened all--general alarm, all ran outdoors. Some, or many, found it difficult to stand. Noticed by persons driving motor cars. Trees and bushes shaken moderately to strongly. Waves on ponds, lakes, and running water. Water turbid from mud stirred up. Incaving to some extent of sand or gravel stream banks. Rang large church bells, etc. Suspended objects made to quiver. Damage negligible in buildings of good design and construction, slight to moderate in well-built ordinary buildings, considerable in poorly built or badly designed buildings, adobe houses, old walls (especially where laid up without mortar), spires, etc. Cracked chimneys to considerable extent, walls to some extent. Fall of plaster in considerable to large amount, also some stucco. Broke numerous windows, furniture to some extent. Shook down loosened brickwork and tiles. Broke weak chimneys at the roof-line (sometimes damaging roofs). Fall of cornices from towers and high buildings. Dislodged bricks and stones. Overturned heavy furniture, with damage from breaking. Damage considerable to concrete irrigation ditches.

VIII. Fright general--alarm approaches panic. Disturbed persons driving motor cars. Trees shaken strongly--branches, trunks, broken off, especially palm trees. Ejected sand and mud in small amounts. Changes: temporary, permanent; in flow of springs and wells; dry wells renewed flow; in temperature of spring and well waters. Damage slight in structures (brick) built especially to withstand earthquakes. Considerable in ordinary substantial buildings, partial collapse: racked, tumbled down, wooden houses in some cases; threw out panel walls in frame structures, broke off decayed piling. Fall of walls. Cracked, broke, solid stone walls seriously. Wet ground to some extent, also ground on steep slopes. Twisting, fall, of chimneys, columns, monuments, also factory stacks, towers. Moved conspicuously, overturned, very heavy furniture.

IX. Panic general. Cracked ground conspicuously. Damage considerable in (masonry) structures built especially to withstand earthquakes: Threw out of plumb some wood-frame houses built especially to withstand earthquakes; Great in substantial (masonry) buildings, some collapse in large part; or wholly shifted frame buildings off foundations, racked frames; serious to reservoirs; underground pipes sometimes broken.

X. Cracked ground, especially when loose and wet, up to widths of several inches; fissures up to a yard in width ran parallel to canal and stream banks. Landslides considerable from river banks and steep coasts. Shifted sand and mud horizontally on beaches and flat land. Changed level of water in wells. Threw water on banks of canals, lakes, rivers, etc. Damage serious to dams, dikes, embankments. Severe to well-built wooden structures and bridges, some destroyed. Developed dangerous cracks in excellent brick walls. Destroyed most masonry and frame structures, also their foundations. Bent railroad rails slightly. Tore apart, or crushed endwise, pipe lines buried in earth. Open cracks and broad wavy folds in cement pavements and asphalt road surfaces.

XI. Disturbances in ground many and widespread, varying with ground material. Broad fissures, earth slumps, and land slips in soft, wet ground. Ejected water in large amounts charged with sand and mud. Caused sea-waves ("tidal" waves) of significant magnitude. Damage severe to wood-frame structures, especially near shock centers. Great to dams, dikes, embankments often for long distances. Few, if any (masonry) structures remained standing. Destroyed large well-built bridges by the wrecking of supporting piers, or pillars. Affected yielding wooden bridges less. Bent railroad rails greatly, and thrust them endwise. Put pipe lines buried in earth completely out of service.

XII. Damage total--practically all works of construction damaged greatly or destroyed. Disturbances in ground great and varied, numerous shearing cracks. Landslides, falls of rock of significant character, slumping of river banks, etc., numerous and extensive. Wrenched loose, tore off, large rock masses. Fault slips in firm rock, with notable horizontal and vertical offset displacements. Water channels, surface and underground, disturbed and modified greatly. Dammed lakes, produced waterfalls, deflected rivers, etc. Waves seen on ground surfaces (actually seen, probably, in some cases). Distorted lines of sight and level. Threw objects upward into the air.

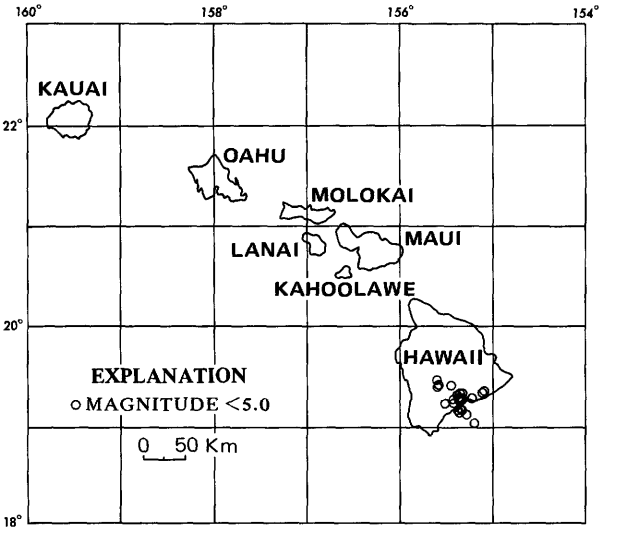

FIGURE 6.--Earthquake epicenters in Hawaii for January-March 1975, plotted from table 1.

Table 1.–*Summary of U.S. earthquakes for January–March 1975*

[Sources of the hypocenter and magnitudes: (A) U.S. Energy Research and Development Administration; (B) University of California, Berkeley; (G) U.S. Geological Survey, National Earthquake Information Service; (H) U.S. Geological Survey, Hawaiian Volcano Observatory; (L) Lamont-Doherty Geological Observatory, Palisades, New York; (M) NOAA, Palmer Observatory, Alaska; (P) California Institute of Technology, Pasadena; (S) St. Louis University, St. Louis, Missouri; (U) University of Utah, Salt Lake City; (V) Virginia Polytechnic Institute and State University, Blacksburg; (W) University of Washington, Seattle; (X) New Mexico Institute of Mining and Technology, Socorro. N, normal depth; UTC, Universal Coordinated Time. For names of local time zones, see figures 2 and 3. Leaders (...) indicate no information available.]

Date (1975)	Origin time (UTC) hr	min	s	Lat	Long	Depth (km)	Magnitude mb	MS	ML or mbLg	Maximum intensity	Hypocenter source	Local time Date	Hour
ALABAMA													
MAR. 1	11	50	00.2	33.55 N.	87.98 W.	18	...	...	3.2S	II	G	MAR. 1	05A.M. CST
ALASKA													
JAN. 1	00	46	16.3	62.36 N.	151.23 W.	104	...	...	...	...	G	DEC. 31	02P.M. AST
JAN. 1	03	55	12.0	61.91 N.	149.74 W.	66	5.9	...	...	VI	G	DEC. 31	05P.M. AST
JAN. 1	21	15	54.8	61.41 N.	150.06 W.	63	3.8	...	...	III	G	JAN. 1	11A.M. AST
JAN. 2	16	41	43.8	63.02 N.	150.78 W.	151	...	...	...	...	G	JAN. 2	06A.M. AST
JAN. 6	23	12	17.8	54.30 N.	165.78 W.	102	5.1	...	...	...	G	JAN. 6	12P.M. BST
JAN. 7	00	55	27.8	62.34 N.	149.25 W.	71	3.6	...	...	...	G	JAN. 6	02P.M. AST
JAN. 8	11	43	38.6	52.42 N.	168.35 W.	56	4.0	...	...	...	G	JAN. 8	12A.M. BST
JAN. 8	17	38	19.1	52.40 N.	175.55 W.	114	5.1	...	...	III	G	JAN. 8	06A.M. BST
JAN. 8	22	03	27.4	63.07 N.	151.00 W.	132	...	...	...	...	G	JAN. 8	12P.M. AST
JAN. 9	05	10	18.2	61.69 N.	151.75 W.	126	3.9	...	...	...	G	JAN. 8	07P.M. AST
JAN. 10	20	40	39.6	51.59 N.	178.45 W.	63	4.9	...	...	II	G	JAN. 10	09A.M. BST
JAN. 12	17	26	00.1	61.72 N.	146.63 W.	33N	...	...	3.0M	...	G	JAN. 12	07A.M. AST
JAN. 12	22	01	25.7	59.59 N.	149.16 W.	46	4.7	...	...	...	G	JAN. 12	12P.M. AST
JAN. 13	00	31	55.6	61.43 N.	150.49 W.	66	4.8	...	...	IV	G	JAN. 12	02P.M. AST
JAN. 13	09	19	10.3	52.22 N.	171.14 W.	42	5.7	5.6	...	...	G	JAN. 12	10P.M. BST
JAN. 13	19	29	16.2	51.28 N.	178.16 W.	46	4.9	...	...	...	G	JAN. 13	08A.M. BST
JAN. 15	02	23	17.5	51.12 N.	179.19 W.	57	4.6	...	...	...	G	JAN. 14	03P.M. BST
JAN. 16	14	05	48.8	62.90 N.	148.31 W.	33N	...	...	3.6M	II	G	JAN. 16	04A.M. AST
JAN. 17	01	33	52.0	61.66 N.	150.90 W.	70	3.8	...	...	...	G	JAN. 16	03P.M. AST
JAN. 17	01	52	58.5	63.19 N.	150.84 W.	38	...	...	3.0M	...	G	JAN. 16	03P.M. AST
JAN. 17	09	07	17.3	65.61 N.	150.08 W.	33N	3.7	...	3.9M	...	G	JAN. 16	11P.M. AST
JAN. 19	22	54	55.0	59.60 N.	146.14 W.	33	3.8	...	3.4M	...	G	JAN. 19	12P.M. AST
JAN. 20	05	51	23.1	63.77 N.	149.23 W.	123	4.4	...	...	...	G	JAN. 19	07P.M. AST
JAN. 21	04	45	53.6	62.61 N.	151.07 W.	86	3.5	...	...	...	G	JAN. 20	06P.M. AST
JAN. 21	06	41	05.1	52.51 N.	168.61 W.	33N	4.6	...	...	...	G	JAN. 20	07P.M. BST
JAN. 21	21	47	49.4	55.77 N.	158.01 W.	35	4.9	...	4.6M	...	G	JAN. 21	11A.M. AST
JAN. 22	21	19	16.4	63.40 N.	150.40 W.	128	...	...	...	...	G	JAN. 22	11A.M. AST
JAN. 23	06	50	05.8	60.57 N.	147.59 W.	33N	3.7	...	3.0M	...	G	JAN. 22	08P.M. AST
JAN. 23	11	12	12.0	62.84 N.	150.62 W.	102	...	...	...	...	G	JAN. 23	01A.M. AST
JAN. 23	23	31	55.9	62.02 N.	147.95 W.	33N	...	...	...	...	G	JAN. 23	01P.M. AST
JAN. 24	11	07	09.8	64.80 N.	147.41 W.	22	...	...	3.2M	II	G	JAN. 24	01A.M. AST
JAN. 24	22	10	17.9	52.34 N.	178.95 E.	154	4.1	...	...	...	G	JAN. 24	11A.M. BST
JAN. 24	22	43	00.2	51.81 N.	175.31 W.	56	4.6	...	...	IV	G	JAN. 24	11A.M. BST
JAN. 25	02	59	24.5	59.53 N.	153.12 W.	142	...	...	...	...	G	JAN. 24	04P.M. AST
JAN. 25	17	04	33.9	51.07 N.	170.98 W.	33N	4.9	...	...	...	G	JAN. 25	06A.M. BST
JAN. 26	01	12	17.7	61.75 N.	149.70 W.	28	...	...	3.0M	II	G	JAN. 25	03P.M. AST
JAN. 26	19	27	13.1	53.75 N.	163.68 W.	33N	4.3	...	...	...	G	JAN. 26	08A.M. BST
JAN. 27	00	23	09.7	61.28 N.	149.81 W.	46	3.9	...	...	III	G	JAN. 26	02P.M. AST
JAN. 27	04	51	58.1	53.73 N.	163.56 W.	33N	4.3	...	...	...	G	JAN. 26	05P.M. BST
JAN. 27	06	42	35.4	65.41 N.	150.05 W.	16	3.5	...	3.6M	...	G	JAN. 26	08P.M. AST
JAN. 27	09	24	17.1	60.43 N.	147.72 W.	33N	3.7	...	3.2M	...	G	JAN. 26	11P.M. AST
JAN. 27	18	37	07.6	57.30 N.	156.78 W.	33N	3.9	...	3.9M	...	G	JAN. 27	08A.M. AST
JAN. 27	21	33	32.2	52.49 N.	176.19 W.	150	4.9	...	...	II	G	JAN. 27	10A.M. BST
JAN. 28	02	02	50.4	61.46 N.	145.99 W.	33N	...	...	...	...	G	JAN. 27	04P.M. AST
JAN. 28	04	27	52.7	62.80 N.	150.73 W.	92	...	...	...	...	G	JAN. 27	06P.M. AST
JAN. 28	07	25	01.2	61.35 N.	149.97 W.	42	3.7	...	...	III	G	JAN. 27	09P.M. AST
JAN. 28	20	08	26.0	51.47 N.	179.00 E.	77	4.8	...	...	...	G	JAN. 28	09A.M. BST
JAN. 31	02	27	37.2	52.91 N.	168.47 W.	59	4.2	...	...	II	G	JAN. 30	03P.M. BST
FEB. 1	05	52	22.2	53.49 N.	163.30 W.	18	4.6	...	...	...	G	JAN. 31	06P.M. BST
FEB. 2	01	12	01.1	61.98 N.	150.96 W.	78	...	...	...	...	G	FEB. 1	03P.M. AST
FEB. 2	07	24	53.3	53.05 N.	173.45 E.	25	5.9	5.5	...	II	G	FEB. 1	08P.M. BST
FEB. 2	08	43	39.1	53.11 N.	173.50 E.	10	6.1	7.6	...	IX	G	FEB. 1	09P.M. BST
FEB. 2	15	19	48.4	51.81 N.	175.40 W.	56	4.1	...	...	II	G	FEB. 2	04A.M. BST
FEB. 2	15	53	06.9	52.94 N.	173.56 E.	31	4.9	4.5	...	IV	G	FEB. 2	04A.M. BST
FEB. 4	01	35	22.9	65.48 N.	150.01 W.	26	...	...	3.3M	...	G	FEB. 3	03P.M. AST
FEB. 4	09	29	27.9	53.11 N.	173.39 E.	33N	4.8	4.5	...	...	G	FEB. 3	10P.M. BST
FEB. 4	09	47	49.2	63.03 N.	151.02 W.	130	3.3	...	...	...	G	FEB. 3	11P.M. AST
FEB. 5	01	13	58.8	60.06 N.	152.73 W.	128	4.2	...	...	...	G	FEB. 4	03P.M. AST
FEB. 5	21	12	34.1	63.82 N.	149.29 W.	127	...	...	...	...	G	FEB. 5	11A.M. AST
FEB. 7	10	22	46.2	52.40 N.	174.24 E.	33N	4.4	...	...	...	G	FEB. 6	11P.M. BST

Table 1.–*Summary of U.S. earthquakes for January–March 1975*–Continued

Date (1975)	Origin time (UTC) hr	min	s	Lat	Long	Depth (km)	Magnitude mb	MS	ML or mbLg	Maximum intensity	Hypocenter source	Local time Date	Hour
ALASKA--Continued													
FEB. 8	11	54	14.3	52.49 N.	169.66 W.	54	4.0	...	...	...	G	FEB. 8	12A.M. BST
FEB. 8	23	48	25.5	52.61 N.	169.18 W.	33N	4.5	...	...	...	G	FEB. 8	12P.M. BST
FEB. 9	09	13	04.0	52.05 N.	170.99 W.	44	4.4	...	...	...	G	FEB. 8	10P.M. BST
FEB. 9	09	31	37.5	63.13 N.	149.84 W.	100	3.4	...	...	...	G	FEB. 8	11P.M. AST
FEB. 9	11	01	19.4	52.82 N.	174.49 E.	14	5.4	5.4	...	V	G	FEB. 9	12A.M. BST
FEB. 9	23	59	10.7	51.90 N.	167.94 W.	44	3.7	...	...	...	G	FEB. 9	12P.M. BST
FEB. 10	02	27	18.2	63.26 N.	150.70 W.	104	...	...	...	...	G	FEB. 9	04P.M. AST
FEB. 10	04	51	26.8	52.53 N.	168.32 W.	33N	4.0	...	...	...	G	FEB. 9	05P.M. BST
FEB. 10	09	46	50.5	60.66 N.	147.23 W.	55	3.4	...	...	...	G	FEB. 9	11P.M. AST
FEB. 10	10	05	38.0	60.70 N.	147.00 W.	33N	4.3	...	4.7M	II	G	FEB. 10	12A.M. AST
FEB. 10	14	03	30.3	60.09 N.	153.49 W.	147	3.4	...	...	...	G	FEB. 10	04A.M. AST
FEB. 11	14	30	38.6	54.45 N.	161.00 W.	21	4.6	...	...	...	G	FEB. 11	04A.M. AST
FEB. 12	15	45	35.1	63.52 N.	148.73 W.	33N	4.0	...	4.5M	IV	G	FEB. 12	05A.M. AST
FEB. 13	23	26	35.7	62.79 N.	151.05 W.	68	...	...	...	...	G	FEB. 13	01P.M. AST
FEB. 14	18	04	01.1	60.97 N.	147.15 W.	44	...	...	...	...	G	FEB. 14	08A.M. AST
FEB. 15	07	51	15.6	51.84 N.	175.25 W.	49	4.4	...	...	II	G	FEB. 14	08P.M. BST
FEB. 15	20	05	09.7	52.28 N.	169.98 W.	33	4.8	...	...	...	G	FEB. 15	09A.M. BST
FEB. 18	05	01	07.0	62.95 N.	149.87 W.	33N	...	...	...	...	G	FEB. 17	07P.M. AST
FEB. 18	19	02	23.9	59.89 N.	152.92 W.	97	4.0	...	...	...	G	FEB. 18	09A.M. AST
FEB. 19	04	42	55.7	62.55 N.	151.26 W.	96	...	...	...	...	G	FEB. 18	06P.M. AST
FEB. 19	07	28	58.5	51.72 N.	175.08 E.	55	4.6	...	...	...	G	FEB. 18	08P.M. BST
FEB. 20	04	59	51.8	53.11 N.	174.57 W.	228	4.0	...	...	...	G	FEB. 19	05P.M. BST
FEB. 21	01	26	41.0	51.56 N.	175.30 E.	52	4.2	...	...	...	G	FEB. 20	02P.M. BST
FEB. 22	08	36	07.4	51.38 N.	179.42 W.	48	6.3	6.5	...	VI	G	FEB. 21	09P.M. BST
FEB. 22	10	20	09.9	51.32 N.	179.56 W.	52	4.3	...	...	...	G	FEB. 21	11P.M. BST
FEB. 22	15	36	30.5	51.03 N.	174.16 E.	33N	4.4	...	...	...	G	FEB. 22	04A.M. BST
FEB. 22	16	27	19.7	51.17 N.	179.50 W.	47	4.2	...	...	...	G	FEB. 22	05A.M. BST
FEB. 22	19	58	10.0	51.40 N.	179.50 W.	46	4.8	...	...	...	G	FEB. 22	08A.M. BST
FEB. 22	20	28	44.6	60.01 N.	153.04 W.	128	...	...	...	...	G	FEB. 22	10A.M. AST
FEB. 22	22	47	45.8	51.32 N.	179.34 W.	62	5.1	...	...	...	G	FEB. 22	11A.M. BST
FEB. 23	01	16	14.4	51.35 N.	179.42 W.	55	5.0	...	...	...	G	FEB. 22	02P.M. BST
FEB. 23	05	09	43.3	51.27 N.	179.27 W.	50	5.0	...	...	II	G	FEB. 22	06P.M. BST
FEB. 23	21	26	52.1	63.55 N.	151.12 W.	33N	...	...	3.3M	...	G	FEB. 23	11A.M. AST
FEB. 24	03	09	07.1	63.51 N.	151.22 W.	33N	...	...	2.9M	...	G	FEB. 23	05P.M. AST
FEB. 24	06	28	38.2	51.66 N.	179.40 W.	59	4.4	...	...	...	G	FEB. 23	07P.M. BST
FEB. 24	20	20	08.2	51.41 N.	179.23 W.	59	4.7	...	...	...	G	FEB. 24	09A.M. BST
FEB. 25	03	31	14.8	62.04 N.	147.09 W.	63	...	...	...	...	G	FEB. 24	05P.M. AST
FEB. 27	04	26	35.3	56.39 N.	156.24 W.	57	3.9	...	...	...	G	FEB. 26	06P.M. AST
FEB. 27	09	28	00.2	61.64 N.	150.65 W.	35	...	...	2.9M	...	G	FEB. 26	11P.M. AST
FEB. 27	15	11	10.9	52.27 N.	178.97 E.	143	4.7	...	...	...	G	FEB. 27	04A.M. BST
MAR. 1	08	41	36.3	62.39 N.	148.76 W.	119	...	...	...	...	G	FEB. 28	10P.M. AST
MAR. 3	01	33	24.0	65.76 N.	147.85 W.	37	...	...	3.3M	...	G	MAR. 2	03P.M. AST
MAR. 5	19	13	47.6	65.66 N.	149.97 W.	43	...	...	...	...	G	MAR. 5	09A.M. AST
MAR. 6	09	02	15.7	58.76 N.	154.94 W.	153	4.0	...	...	...	G	MAR. 5	11P.M. AST
MAR. 9	14	19	42.1	65.84 N.	149.89 W.	35	4.1	...	4.6M	II	G	MAR. 9	04A.M. AST
MAR. 9	15	22	22.7	65.87 N.	149.75 W.	33N	...	...	2.8M	...	G	MAR. 9	05A.M. AST
MAR. 11	22	27	20.9	63.15 N.	148.86 W.	112	...	...	...	...	G	MAR. 11	12P.M. AST
MAR. 12	10	43	33.1	51.53 N.	177.75 W.	54	5.4	...	...	IV	G	MAR. 11	11P.M. BST
MAR. 12	14	05	31.5	61.91 N.	150.31 W.	10	3.9	...	4.0M	II	G	MAR. 12	04A.M. AST
MAR. 14	18	31		NEAR FAIRBANKS		..	...	...	...	III	.	MAR. 14	08A.M. AST
MAR. 16	23	51		NEAR FAIRBANKS		..	...	...	...	III	.	MAR. 16	01P.M. AST
MAR. 17	17	39	29.2	51.84 N.	175.29 W.	48	5.0	4.3	...	IV	G	MAR. 17	06A.M. BST
MAR. 17	20	51	17.7	57.25 N.	153.72 W.	65	4.5	...	...	...	G	MAR. 17	10A.M. AST
MAR. 17	22	45	03.9	60.99 N.	147.27 W.	33N	3.6	...	3.5M	...	G	MAR. 17	12P.M. AST
MAR. 19	08	14	24.5	62.69 N.	150.63 W.	122	3.8	...	...	...	G	MAR. 18	10P.M. AST
MAR. 19	16	36	25.1	51.02 N.	179.26 W.	63	4.3	...	...	...	G	MAR. 19	05A.M. BST
MAR. 20	00	14		NEAR FAIRBANKS		..	...	...	...	III	.	MAR. 19	02P.M. AST
MAR. 20	01	21	07.4	59.70 N.	153.00 W.	118	4.0	...	...	...	G	MAR. 19	03P.M. AST
MAR. 20	03	23	33.5	50.36 N.	176.00 W.	27	4.9	...	...	...	G	MAR. 19	04P.M. BST
MAR. 20	03	27	21.6	50.18 N.	176.26 W.	33N	4.7	...	...	...	G	MAR. 19	04P.M. BST
MAR. 20	07	11	35.7	51.26 N.	179.63 W.	53	4.9	...	...	II	G	MAR. 19	08P.M. BST
MAR. 20	07	30	38.8	51.32 N.	179.56 W.	57	5.4	...	...	II	G	MAR. 19	08P.M. BST
MAR. 20	13	31	16.7	63.16 N.	150.76 W.	128	3.8	...	...	...	G	MAR. 20	03A.M. AST
MAR. 20	21	06	46.6	63.20 N.	149.33 W.	86	...	...	...	...	G	MAR. 20	11A.M. AST
MAR. 21	07	25	05.4	58.39 N.	154.38 W.	33N	...	...	3.4M	...	G	MAR. 20	09P.M. AST
MAR. 21	13	16	07.3	51.20 N.	179.68 W.	56	4.1	...	...	...	G	MAR. 21	02A.M. BST
MAR. 22	03	55	06.2	64.02 N.	146.95 W.	23	4.3	...	4.3M	...	G	MAR. 21	05P.M. AST
MAR. 22	03	58	06.3	64.08 N.	147.14 W.	33N	...	...	3.8M	...	G	MAR. 21	05P.M. AST
MAR. 24	04	18	43.3	63.16 N.	150.79 W.	143	3.5	...	...	...	G	MAR. 23	06P.M. AST
MAR. 25	12	16	49.9	59.64 N.	153.65 W.	95	4.0	...	...	...	G	MAR. 25	02A.M. AST

Table 1.–*Summary of U.S. earthquakes for January-March 1975*–Continued

Date (1975)	Origin time (UTC) hr min s	Lat	Long	Depth (km)	Magnitude mb	MS	ML or mbLg	Maximum intensity	Hypocenter source	Local time Date	Hour
				ALASKA--Continued							
MAR. 25	14 03 42.6	59.27 N.	152.45 W.	107	...	...	...	...	G	MAR. 25	04A.M. AST
MAR. 26	03 27 48.2	63.01 N.	150.61 W.	132	...	...	...	...	G	MAR. 25	05P.M. AST
MAR. 27	18 50 21.7	51.48 N.	177.84 E.	33N	4.5	...	...	...	G	MAR. 27	07A.M. BST
MAR. 31	12 53 02.7	69.98 N.	142.54 W.	33N	3.8	...	...	...	G	MAR. 31	02A.M. AST
				ARKANSAS							
JAN. 2	09 18 59.7	34.87 N.	90.94 W.	25	...	...	2.9S	II	S	JAN. 2	03A.M. CST
				CALIFORNIA							
JAN. 3	05 55 31.6	33.55 N.	117.65 W.	5	4.3	...	3.8P	IV	P	JAN. 2	09P.M. PST
JAN. 3	06 00 52.8	33.53 N.	117.63 W.	8	3.6	...	3.3P	IV	P	JAN. 2	10P.M. PST
JAN. 6	11 17 12.3	35.93 N.	120.53 W.	10	4.5	4.1	4.6P	V	G	JAN. 6	03A.M. PST
JAN. 8	00 05	NEAR EUREKA		..	...	...	...	III	.	JAN. 7	04P.M. PST
JAN. 8	00 55	NEAR EUREKA		..	...	...	...	III	.	JAN. 7	04P.M. PST
JAN. 11	14 44 17.8	34.02 N.	118.88 W.	8	...	...	3.0P	...	P	JAN. 11	06A.M. PST
JAN. 12	01 37 17.2	40.22 N.	124.26 W.	2	4.7	...	4.4B	VI	B	JAN. 11	05P.M. PST
JAN. 13	11 21 49.9	33.82 N.	118.08 W.	12	3.8	...	3.5P	VI	P	JAN. 13	03A.M. PST
JAN. 14	02 08 15.0	32.88 N.	115.56 W.	5	...	...	3.5P	...	P	JAN. 13	06P.M. PST
JAN. 14	07 58 41.3	33.82 N.	118.07 W.	15	...	...	3.1P	V	P	JAN. 13	11P.M. PST
JAN. 19	14 28 50.4	36.27 N.	118.38 W.	2	4.1	...	3.8P	...	P	JAN. 19	06A.M. PST
JAN. 21	16 47 35.3	32.93 N.	115.50 W.	8	...	...	3.2P	VI	P	JAN. 21	08A.M. PST
JAN. 23	03 48 43.2	33.92 N.	118.63 W.	12	...	...	3.0P	...	P	JAN. 22	07P.M. PST
JAN. 23	12 20 59.8	32.95 N.	115.50 W.	8	...	...	3.0P	...	P	JAN. 23	04A.M. PST
JAN. 23	12 30 16.8	32.93 N.	115.48 W.	10	4.3	...	4.0P	IV	P	JAN. 23	04A.M. PST
JAN. 23	12 42 52.0	32.92 N.	115.48 W.	8	4.2	...	3.9P	II	P	JAN. 23	04A.M. PST
JAN. 23	12 49 55.5	32.93 N.	115.48 W.	6	...	...	3.1P	...	P	JAN. 23	04A.M. PST
JAN. 23	12 55 48.8	32.93 N.	115.48 W.	4	4.6	...	4.3P	II	P	JAN. 23	04A.M. PST
JAN. 23	13 02 07.5	32.93 N.	115.48 W.	5	4.3	...	3.8P	II	P	JAN. 23	05A.M. PST
JAN. 23	13 47 19.8	32.93 N.	115.48 W.	5	4.2	...	4.0P	II	P	JAN. 23	05A.M. PST
JAN. 23	14 15 39.9	32.92 N.	115.43 W.	5	4.3	...	3.4P	...	P	JAN. 23	06A.M. PST
JAN. 23	14 49 09.7	32.95 N.	115.48 W.	4	4.0	...	3.7P	...	P	JAN. 23	06A.M. PST
JAN. 23	15 14 06.4	32.98 N.	116.00 W.	8	4.0	...	3.3P	...	P	JAN. 23	07A.M. PST
JAN. 23	15 45 40.0	32.95 N.	115.48 W.	5	4.5	...	4.3P	...	P	JAN. 23	07A.M. PST
JAN. 23	17 02 29.7	32.96 N.	115.49 W.	8	4.9	4.6	4.8P	VII	P	JAN. 23	09A.M. PST
JAN. 23	18 15 30.1	32.93 N.	115.50 W.	6	...	...	3.6P	...	P	JAN. 23	10A.M. PST
JAN. 23	21 45 16.4	32.90 N.	115.48 W.	5	4.0	...	3.5P	...	P	JAN. 23	01P.M. PST
JAN. 23	22 21 04.8	33.00 N.	115.50 W.	10	4.0	...	3.5P	...	P	JAN. 23	02P.M. PST
JAN. 23	22 28 11.4	33.00 N.	115.50 W.	6	...	...	3.4P	...	P	JAN. 23	02P.M. PST
JAN. 23	23 24 33.9	33.01 N.	115.50 W.	1	4.3	...	4.0P	...	P	JAN. 23	03P.M. PST
JAN. 24	04 00 39.6	32.96 N.	115.49 W.	4	3.9	...	3.4P	...	P	JAN. 23	08P.M. PST
JAN. 24	06 45 52.8	32.90 N.	115.48 W.	4	3.9	...	4.0P	...	P	JAN. 23	10P.M. PST
JAN. 24	11 15 02.2	32.93 N.	115.49 W.	4	3.9	...	3.4P	...	P	JAN. 24	03A.M. PST
JAN. 24	16 52 02.0	32.96 N.	115.46 W.	4	...	...	3.1P	...	P	JAN. 24	08A.M. PST
JAN. 24	18 26 55.3	32.92 N.	115.48 W.	4	...	...	3.9P	...	P	JAN. 24	10A.M. PST
JAN. 24	19 42 22.5	32.92 N.	115.48 W.	5	...	...	3.5P	...	P	JAN. 24	11A.M. PST
JAN. 24	19 57 13.3	32.92 N.	115.48 W.	6	...	...	3.2P	...	P	JAN. 24	11A.M. PST
JAN. 25	05 08 39.1	32.99 N.	115.50 W.	6	...	...	3.5P	...	P	JAN. 24	09P.M. PST
JAN. 25	05 22 19.0	32.95 N.	115.50 W.	5	...	...	3.1P	...	P	JAN. 24	09P.M. PST
JAN. 25	06 01 33.2	33.00 N.	115.50 W.	6	...	...	3.6P	...	P	JAN. 24	10P.M. PST
JAN. 25	07 00 11.5	32.95 N.	115.50 W.	5	...	...	3.1P	...	P	JAN. 24	11P.M. PST
JAN. 25	07 01 49.7	32.95 N.	115.50 W.	5	...	...	3.7P	...	P	JAN. 24	11P.M. PST
JAN. 25	13 09 00.5	32.95 N.	115.50 W.	5	...	...	3.4P	...	P	JAN. 25	05A.M. PST
JAN. 25	14 31 01.3	32.95 N.	115.50 W.	6	4.6	...	4.3P	...	P	JAN. 25	06A.M. PST
JAN. 25	14 42 43.1	32.95 N.	115.50 W.	5	...	...	3.1P	...	P	JAN. 25	06A.M. PST
JAN. 25	14 53 51.0	32.95 N.	115.52 W.	6	3.9	...	3.6P	...	P	JAN. 25	06A.M. PST
JAN. 25	14 54 00.0	32.92 N.	115.50 W.	3	...	...	3.5P	...	P	JAN. 25	06A.M. PST
JAN. 25	15 09 11.3	32.99 N.	115.50 W.	6	...	...	3.4P	...		JAN. 25	07A.M. PST
JAN. 25	15 17 26.2	32.98 N.	115.51 W.	5	...	...	3.5P	...	P	JAN. 25	07A.M. PST
JAN. 25	15 25 48.9	32.99 N.	115.51 W.	7	...	...	3.5P	...	P	JAN. 25	07A.M. PST
JAN. 25	15 56 18.7	33.00 N.	115.50 W.	5	...	...	3.3P	...	P	JAN. 25	07A.M. PST
JAN. 25	18 02 08.1	32.95 N.	115.50 W.	9	4.1	...	3.6P	...	P	JAN. 25	10A.M. PST
JAN. 25	18 11 44.0	33.00 N.	115.50 W.	7	...	...	3.0P	...	P	JAN. 25	10A.M. PST
JAN. 25	22 35 52.8	32.95 N.	115.50 W.	8	...	...	3.1P	...	P	JAN. 25	02P.M. PST
JAN. 26	03 41 56.4	32.97 N.	115.51 W.	13	4.2	...	3.7P	...	P	JAN. 25	07P.M. PST
JAN. 26	04 51 44.6	33.00 N.	115.52 W.	5	...	...	3.0P	...	P	JAN. 25	08P.M. PST
JAN. 26	14 19 11.1	32.99 N.	115.50 W.	11	...	...	3.0P	...	P	JAN. 26	06A.M. PST
JAN. 28	05 22 23.5	34.19 N.	118.54 W.	12	...	...	2.8P	II	P	JAN. 27	09P.M. PST
FEB. 9	02 51 18.2	33.02 N.	115.52 W.	8	...	...	3.1P	...	P	FEB. 8	06P.M. PST
FEB. 9	03 45 25.7	32.90 N.	115.47 W.	8	...	...	3.2P	...	P	FEB. 8	07P.M. PST
FEB. 10	12 51 17.5	34.40 N.	116.65 W.	5	4.3	...	4.4P	IV	P	FEB. 10	04A.M. PST

Table 1.–*Summary of U.S. earthquakes for January-March 1975*–Continued

Date (1975)	Origin time (UTC) hr	mn	s	Lat	Long	Depth (km)	Magnitude mb	MS	ML or mbLg	Maximum intensity	Hypocenter source	Local time Date	Hour
CALIFORNIA--Continued													
FEB. 12	12	03	17.8	35.97 N.	120.14 W.	12	...	...	3.6P	IV	G	FEB. 12	04A.M. PST
FEB. 16	21	45	02.0	41.23 N.	120.02 W.	10	...	...	3.8B	...	G	FEB. 16	01P.M. PST
FEB. 17	00	47	39.2	33.00 N.	115.50 W.	5	...	...	3.0P	II	P	FEB. 16	04P.M. PST
FEB. 17	00	53	01.4	33.00 N.	115.50 W.	6	...	...	3.3P	II	P	FEB. 16	04P.M. PST
FEB. 17	04	57	49.2	37.89 N.	121.99 W.	10	...	...	3.1B	III	B	FEB. 16	08P.M. PST
FEB. 18	09	48	25.6	33.92 N.	117.75 W.	3	4.0	...	2.8P	II	P	FEB. 18	01A.M. PST
FEB. 20	03	58	10.8	37.34 N.	121.32 W.	6	...	...	3.4B	II	B	FEB. 19	07P.M. PST
FEB. 23	10	22	00.6	34.08 N.	118.87 W.	15	...	...	3.2P	...	P	FEB. 23	02A.M. PST
FEB. 25	11	13	22.4	37.14 N.	117.85 W.	10	4.1	...	4.0B	...	G	FEB. 25	03A.M. PST
FEB. 27	22	22	55.2	36.21 N.	121.65 W.	7	...	...	3.4B	II	B	FEB. 27	02P.M. PST
MAR. 2	00	15	22.3	37.11 N.	121.52 W.	8	...	...	3.3B	...	B	MAR. 1	04P.M. PST
MAR. 2	11	32	30.5	40.22 N.	124.20 W.	12	...	...	...	...	G	MAR. 2	03A.M. PST
MAR. 3	11	34	56.0	36.94 N.	121.48 W.	9	4.1	...	4.3B	IV	B	MAR. 3	03A.M. PST
MAR. 3	15	34	45.1	33.93 N.	118.28 W.	10	...	...	3.4P	VI	P	MAR. 3	07A.M. PST
MAR. 3	16	42	19.2	34.33 N.	118.25 W.	4	...	...	3.1P	II	P	MAR. 3	08A.M. PST
MAR. 4	12	06	20.8	35.72 N.	116.92 W.	8	...	...	3.6P	...	P	MAR. 4	04A.M. PST
MAR. 5	07	35	48.3	33.00 N.	116.27 W.	12	...	...	3.0P	...	P	MAR. 4	11P.M. PST
MAR. 15	20	59	43.2	36.93 N.	121.49 W.	9	...	...	3.6B	II	B	MAR. 15	12P.M. PST
MAR. 17	00	13	44.7	34.15 N.	117.47 W.	12	4.6	...	3.4P	III	P	MAR. 16	04P.M. PST
MAR. 17	16	29	25.7	34.50 N.	118.88 W.	11	...	...	3.0P	...	P	MAR. 17	08A.M. PST
MAR. 19	05	16	53.4	33.00 N.	116.23 W.	16	3.6	...	3.2P	...	P	MAR. 18	09P.M. PST
MAR. 19	20	59	37.6	39.22 N.	122.48 W.	6	...	...	3.3B	...	B	MAR. 19	12P.M. PST
MAR. 21	12	02	31.3	32.98 N.	116.25 W.	25	4.1	...	3.2P	...	P	MAR. 21	04A.M. PST
MAR. 25	00	35	12.7	33.03 N.	116.23 W.	8	3.4	...	3.4P	...	P	MAR. 24	04P.M. PST
MAR. 27	22	40	28.2	33.50 N.	116.43 W.	8	...	...	3.5P	...	P	MAR. 27	02P.M. PST
MAR. 28	09	29	49.3	32.67 N.	116.32 W.	8	3.7	...	3.8P	...	P	MAR. 28	01A.M. PST
MAR. 28	14	06	50.4	33.93 N.	115.75 W.	3	...	...	3.0P	...	P	MAR. 28	06A.M. PST
CALIFORNIA-OFF THE COAST													
JAN. 12	21	22	14.9	32.80 N.	117.97 W.	8	5.1	...	4.5P	IV	P	JAN. 12	01P.M. PST
JAN. 16	23	43	11.2	40.55 N.	127.24 W.	33N	4.1	...	3.6B	...	G	JAN. 16	03P.M. PST
JAN. 28	13	53	16.4	40.41 N.	125.45 W.	10	4.9	5.0	4.8B	V	G	JAN. 28	05A.M. PST
FEB. 17	01	28	09.3	40.44 N.	126.23 W.	4	4.6	4.3	4.6B	II	G	FEB. 16	05P.M. PST
FEB. 24	13	58	54.2	40.29 N.	127.30 W.	33N	4.5	...	...	...	G	FEB. 24	05A.M. PST
MAR. 1	16	29	17.4	43.32 N.	126.22 W.	33N	4.4	...	...	...	G	MAR. 1	08A.M. PST
COLORADO													
JAN. 30	14	48	40.3	39.27 N.	108.65 W.	5	4.4	...	3.7G	V	G	JAN. 30	07A.M. MST
HAWAII													
JAN. 1	00	49	13.7	19.26 N.	155.36 W.	0	...	...	4.0H	IV	H	DEC. 31	02P.M. HST
JAN. 1	00	59	13.9	19.28 N.	155.36 W.	4	...	...	3.4H	...	H	DEC. 31	02P.M. HST
JAN. 1	01	28	59.1	19.02 N.	155.19 W.	31	4.0	...	4.4H	III	H	DEC. 31	03P.M. HST
JAN. 1	01	51	17.3	19.33 N.	155.32 W.	4	...	...	3.3H	...	H	DEC. 31	03P.M. HST
JAN. 1	02	48	19.0	19.32 N.	155.33 W.	4	...	...	3.1H	...	H	DEC. 31	04P.M. HST
JAN. 1	03	10	53.0	19.31 N.	155.37 W.	4	...	...	3.2H	...	H	DEC. 31	05P.M. HST
JAN. 1	04	02	17.0	19.29 N.	155.37 W.	7	...	...	3.2H	...	H	DEC. 31	06P.M. HST
JAN. 1	04	12	20.0	19.31 N.	155.38 W.	5	...	...	3.1H	...	H	DEC. 31	06P.M. HST
JAN. 1	05	51	30.6	19.27 N.	155.38 W.	4	...	...	3.4H	...	H	DEC. 31	07P.M. HST
JAN. 1	06	43	55.0	19.30 N.	155.38 W.	5	4.5	...	4.1H	IV	H	DEC. 31	08P.M. HST
JAN. 1	06	53	24.4	19.25 N.	155.34 W.	3	...	...	3.4H	...	H	DEC. 31	08P.M. HST
JAN. 1	07	24	48.2	19.28 N.	155.39 W.	5	...	...	3.4H	...	H	DEC. 31	09P.M. HST
JAN. 1	07	41	54.0	19.26 N.	155.35 W.	5	4.2	...	4.2H	IV	H	DEC. 31	09P.M. HST
JAN. 1	10	29	05.2	19.24 N.	155.43 W.	6	...	...	3.5H	...	H	JAN. 1	12A.M. HST
JAN. 1	11	02	06.9	19.18 N.	155.34 W.	5	4.7	...	4.1H	III	H	JAN. 1	01A.M. HST
JAN. 1	11	07	29.6	19.19 N.	155.35 W.	6	...	...	3.1H	...	H	JAN. 1	01A.M. HST
JAN. 1	11	23	40.6	19.27 N.	155.37 W.	6	...	...	3.0H	...	H	JAN. 1	01A.M. HST
JAN. 1	11	29	16.7	19.27 N.	155.38 W.	5	...	...	3.3H	...	H	JAN. 1	01A.M. HST
JAN. 1	11	58	49.4	19.29 N.	155.40 W.	5	...	...	3.1H	...	H	JAN. 1	01A.M. HST
JAN. 1	12	02	17.7	19.27 N.	155.37 W.	6	...	...	3.1H	...	H	JAN. 1	02A.M. HST
JAN. 1	12	41	10.3	19.21 N.	155.35 W.	4	4.7	...	4.6H	IV	H	JAN. 1	02A.M. HST
JAN. 1	13	05	45.6	19.22 N.	155.36 W.	8	...	...	3.6H	III	H	JAN. 1	03A.M. HST
JAN. 1	13	18	59.6	19.06 N.	155.90 W.	10	4.5	...	...	...	G	JAN. 1	03A.M. HST
JAN. 1	13	20	54.5	19.47 N.	155.58 W.	10	5.1	5.3	...	...	G	JAN. 1	03A.M. HST
JAN. 1	13	44	15.9	19.25 N.	155.40 W.	4	...	...	3.2H	...	H	JAN. 1	03A.M. HST
JAN. 1	13	44	36.3	19.07 N.	155.85 W.	10	4.7	...	4.9H	...	G	JAN. 1	03A.M. HST
JAN. 1	14	35	29.0	19.25 N.	155.38 W.	4	...	...	3.5H	...	H	JAN. 1	04A.M. HST
JAN. 1	14	48	21.2	19.29 N.	155.41 W.	4	...	...	3.2H	...	H	JAN. 1	04A.M. HST

Table 1.—*Summary of U.S. earthquakes for January-March 1975*—Continued

Date (1975)	Origin time (UTC) hr	min	s	Lat	Long	Depth (km)	Magnitude mb	MS	ML or mbLg	Maximum intensity	Hypocenter source	Local time Date	Hour
HAWAII--Continued													
JAN. 1	15	18	12.7	19.25 N.	155.38 W.	6	...	...	3.5H	III	H	JAN. 1	05A.M. HST
JAN. 1	15	52	15.9	19.22 N.	155.35 W.	7	...	...	3.1H	...	H	JAN. 1	05A.M. HST
JAN. 1	15	53	29.4	19.23 N.	155.35 W.	5	...	...	3.4H	...	H	JAN. 1	05A.M. HST
JAN. 1	16	03	10.5	19.30 N.	155.41 W.	2	...	...	3.3H	...	H	JAN. 1	06A.M. HST
JAN. 1	16	47	45.2	19.25 N.	155.37 W.	7	...	...	3.0H	...	H	JAN. 1	06A.M. HST
JAN. 1	17	54	44.2	19.27 N.	155.38 W.	7	...	...	3.2H	...	H	JAN. 1	07A.M. HST
JAN. 1	17	58	50.5	19.20 N.	155.38 W.	3	...	...	3.1H	...	H	JAN. 1	07A.M. HST
JAN. 1	19	11	35.2	19.24 N.	155.37 W.	8	...	...	3.6H	III	H	JAN. 1	09A.M. HST
JAN. 1	19	46	45.4	19.25 N.	155.40 W.	7	4.9	...	4.3H	IV	H	JAN. 1	09A.M. HST
JAN. 1	20	00	33.9	19.28 N.	155.40 W.	6	...	...	3.0H	...	H	JAN. 1	10A.M. HST
JAN. 1	20	27	04.6	19.20 N.	155.36 W.	3	...	...	3.6H	III	H	JAN. 1	10A.M. HST
JAN. 1	20	33	47.7	19.32 N.	155.22 W.	10	...	...	3.3H	...	H	JAN. 1	10A.M. HST
JAN. 1	20	39	33.2	19.18 N.	155.35 W.	5	...	...	3.0H	...	H	JAN. 1	10A.M. HST
JAN. 1	20	46	48.7	19.26 N.	155.40 W.	5	4.5	...	4.3H	IV	H	JAN. 1	10A.M. HST
JAN. 1	21	28	54.1	19.18 N.	155.35 W.	6	...	...	4.1H	IV	H	JAN. 1	11A.M. HST
JAN. 1	23	06	35.0	19.23 N.	155.36 W.	7	...	...	3.0H	...	H	JAN. 1	01P.M. HST
JAN. 1	23	44	29.3	19.32 N.	155.36 W.	3	...	...	3.1H	...	H	JAN. 1	01P.M. HST
JAN. 2	00	10	57.9	19.33 N.	155.34 W.	0	...	...	3.0H	...	H	JAN. 1	02P.M. HST
JAN. 2	01	35	18.7	19.29 N.	155.23 W.	8	...	...	3.7H	III	H	JAN. 1	03P.M. HST
JAN. 2	02	30	48.1	19.24 N.	155.36 W.	7	...	...	3.2H	...	H	JAN. 1	04P.M. HST
JAN. 2	02	33	57.5	19.24 N.	155.35 W.	5	...	...	3.0H	...	H	JAN. 1	04P.M. HST
JAN. 2	03	23	47.9	19.11 N.	155.29 W.	3	...	...	3.0H	...	H	JAN. 1	05P.M. HST
JAN. 2	03	46	00.9	19.28 N.	155.39 W.	8	...	...	3.0H	...	H	JAN. 1	05P.M. HST
JAN. 2	04	34	56.4	19.31 N.	155.38 W.	7	...	...	3.1H	...	H	JAN. 1	06P.M. HST
JAN. 2	07	03	55.3	19.19 N.	155.34 W.	7	...	...	3.5H	...	H	JAN. 1	09P.M. HST
JAN. 2	07	17	52.3	19.28 N.	155.40 W.	3	...	...	3.2H	...	H	JAN. 1	09P.M. HST
JAN. 2	09	27	57.5	19.22 N.	155.38 W.	7	4.7	...	4.1H	...	H	JAN. 1	11P.M. HST
JAN. 2	12	39	09.9	19.22 N.	155.39 W.	7	...	...	3.6H	...	H	JAN. 2	02A.M. HST
JAN. 2	13	27	42.7	19.21 N.	155.38 W.	7	4.5	4.2	4.9H	V	H	JAN. 2	03A.M. HST
JAN. 2	13	39	53.4	19.20 N.	155.37 W.	7	...	...	3.5H	...	H	JAN. 2	03A.M. HST
JAN. 2	13	41	47.2	19.25 N.	155.40 W.	8	...	...	3.4H	...	H	JAN. 2	03A.M. HST
JAN. 2	13	49	07.5	19.31 N.	155.38 W.	7	...	...	3.0H	III	H	JAN. 2	03A.M. HST
JAN. 2	14	08	22.5	19.26 N.	155.41 W.	7	...	...	3.5H	...	H	JAN. 2	04A.M. HST
JAN. 2	14	26	46.9	19.22 N.	155.38 W.	7	...	...	3.2H	...	H	JAN. 2	04A.M. HST
JAN. 2	18	07	15.7	19.28 N.	155.39 W.	8	...	...	3.0H	...	H	JAN. 2	08A.M. HST
JAN. 2	22	14	58.4	19.19 N.	155.36 W.	6	...	...	3.2H	...	H	JAN. 2	12P.M. HST
JAN. 2	22	44	02.1	19.30 N.	155.39 W.	7	...	...	3.0H	...	H	JAN. 2	12P.M. HST
JAN. 2	23	05	47.3	19.31 N.	155.38 W.	8	...	...	3.2H	...	H	JAN. 2	01P.M. HST
JAN. 3	01	48	36.6	19.20 N.	155.36 W.	7	...	...	3.5H	...	H	JAN. 2	03P.M. HST
JAN. 3	02	44	03.3	19.27 N.	155.38 W.	7	...	...	3.1H	...	H	JAN. 2	04P.M. HST
JAN. 3	02	49	57.4	19.21 N.	155.40 W.	7	...	...	3.0H	...	H	JAN. 2	04P.M. HST
JAN. 3	04	06	35.8	19.21 N.	155.37 W.	6	...	...	3.0H	...	H	JAN. 2	06P.M. HST
JAN. 3	06	43	50.7	19.40 N.	155.62 W.	1	...	...	3.1H	...	H	JAN. 2	08P.M. HST
JAN. 3	06	52	15.7	19.31 N.	155.38 W.	7	...	...	3.3H	...	H	JAN. 2	08P.M. HST
JAN. 3	09	33	18.8	19.23 N.	155.34 W.	7	...	...	3.1H	...	H	JAN. 2	11P.M. HST
JAN. 3	11	45	50.1	19.17 N.	155.37 W.	6	...	...	3.9H	IV	H	JAN. 3	01A.M. HST
JAN. 3	12	22	48.8	19.16 N.	155.37 W.	5	...	...	3.0H	...	H	JAN. 3	02A.M. HST
JAN. 3	13	05	39.4	19.24 N.	155.37 W.	4	...	...	3.3H	...	H	JAN. 3	03A.M. HST
JAN. 3	13	33	39.3	19.20 N.	155.40 W.	7	...	...	3.5H	...	H	JAN. 3	03A.M. HST
JAN. 3	15	16	06.2	19.16 N.	155.37 W.	6	...	...	3.2H	...	H	JAN. 3	05A.M. HST
JAN. 3	17	32	49.0	19.20 N.	155.35 W.	7	4.7	...	4.9H	V	G	JAN. 3	07A.M. HST
JAN. 3	17	43	42.8	19.24 N.	155.39 W.	6	...	...	3.3H	...	H	JAN. 3	07A.M. HST
JAN. 3	18	11	42.1	19.24 N.	155.38 W.	7	...	...	3.5H	...	H	JAN. 3	08A.M. HST
JAN. 3	18	14	45.9	19.23 N.	155.38 W.	7	...	...	3.5H	III	H	JAN. 3	08A.M. HST
JAN. 3	19	09	35.1	19.28 N.	155.37 W.	9	...	...	3.3H	...	H	JAN. 3	09A.M. HST
JAN. 3	20	27	09.0	19.23 N.	155.37 W.	4	...	...	3.6H	...	H	JAN. 3	10A.M. HST
JAN. 3	21	17	28.8	19.25 N.	155.36 W.	9	...	...	3.7H	III	H	JAN. 3	1 A.M. HST
JAN. 3	22	41	08.6	19.24 N.	155.37 W.	7	...	...	3.5H	...	H	JAN. 3	12P.M. HST
JAN. 4	06	35	52.2	19.35 N.	155.13 W.	8	4.3	...	4.4H	IV	H	JAN. 3	08P.M. HST
JAN. 4	12	13	27.7	19.24 N.	155.38 W.	6	...	...	3.8H	IV	H	JAN. 4	02A.M. HST
JAN. 5	01	02	26.4	19.24 N.	155.36 W.	7	...	...	3.7H	...	H	JAN. 4	03P.M. HST
JAN. 5	01	32	04.9	19.24 N.	155.36 W.	7	5.1	5.3	4.9H	V	G	JAN. 4	03P.M. HST
JAN. 5	02	13	17.6	19.22 N.	155.36 W.	6	...	...	3.5H	...	H	JAN. 4	04P.M. HST
JAN. 5	05	28	03.0	19.23 N.	155.40 W.	7	...	...	3.8H	IV	H	JAN. 4	07P.M. HST
JAN. 5	10	48	39.3	19.23 N.	155.38 W.	7	...	...	4.0H	III	H	JAN. 5	12A.M. HST
JAN. 7	03	47	02.6	19.27 N.	155.39 W.	8	4.4	...	4.4H	IV	H	JAN. 6	05P.M. HST
JAN. 8	08	13	31.1	19.25 N.	155.34 W.	7	...	...	3.5H	III	H	JAN. 7	10P.M. HST
JAN. 8	15	52	49.9	19.25 N.	155.33 W.	7	...	...	4.1H	III	H	JAN. 8	05A.M. HST
FEB. 7	16	46	52.2	19.24 N.	155.54 W.	8	...	...	3.6H	III	H	FEB. 7	06A.M. HST
FEB. 21	00	40	44.5	19.41 N.	155.59 W.	5	...	...	3.6H	...	H	FEB. 20	02P.M. HST
FEB. 21	21	19	40.3	19.36 N.	155.11 W.	8	...	...	3.5H	III	H	FEB. 21	11A.M. HST
MAR. 10	10	14	12.6	19.41 N.	155.46 W.	8	...	...	4.0H	III	H	MAR. 10	01A.M. HST
MAR. 26	20	06	03.0	19.46 N.	155.60 W.	5	...	...	4.3H	III	H	MAR. 26	09A.M. HST

Table 1.–*Summary of U.S. earthquakes for January-March 1975*–Continued

Date (1975)	Origin time (UTC) hr	min	s	Lat	Long	Depth (km)	Magnitude mb	MS	ML or mbLg	Maximum intensity	Hypocenter source	Local time Date	Hour
IDAHO													
MAR. 27	04	48	51.6	42.07 N.	112.55 W.	6	4.4	...	4.2U	V	U	MAR. 26	09P.M. MST
MAR. 28	02	31	05.7	42.06 N.	112.55 W.	5	6.1	6.0	6.2P	VIII	U	MAR. 27	07P.M. MST
MAR. 28	13	11	16.6	42.05 N.	112.48 W.	2	4.3	...	3.0U	IV	U	MAR. 28	06A.M. MST
MAR. 28	16	15	06.9	42.03 N.	112.53 W.	7	4.1	...	3.8U	III	U	MAR. 28	09A.M. MST
MAR. 29	05	44	32.6	42.08 N.	112.45 W.	3	4.3	...	3.2U	IV	U	MAR. 28	10P.M. MST
MAR. 29	13	01	19.8	42.02 N.	112.52 W.	4	4.7	...	4.7U	V	U	MAR. 29	06A.M. MST
MAR. 30	06	56	28.6	42.02 N.	112.58 W.	5	4.3	...	4.1U	...	U	MAR. 29	11P.M. MST
MAR. 30	07	22	00.6	42.03 N.	112.62 W.	2	4.0	...	2.9U	...	U	MAR. 30	12A.M. MST
MAR. 30	07	32	12.7	42.02 N.	112.60 W.	1	4.3	...	3.4U	...	U	MAR. 30	12A.M. MST
MAR. 30	10	06	48.2	42.10 N.	112.64 W.	5	3.9	...	2.8U	...	U	MAR. 30	03A.M. MST
MAR. 30	12	17	59.7	42.04 N.	112.54 W.	3	4.0	...	2.6U	...	U	MAR. 30	05A.M. MST
MAR. 30	12	56	33.4	42.01 N.	112.59 W.	6	4.0	...	3.2U	...	U	MAR. 30	05A.M. MST
MAR. 30	14	02	26.3	42.01 N.	112.60 W.	3	4.0	...	3.6U	...	U	MAR. 30	07A.M. MST
MAR. 31	10	30	56.2	42.06 N.	112.50 W.	6	4.3	...	3.5U	...	U	MAR. 31	03A.M. MST
MAR. 31	13	23	58.3	42.01 N.	112.50 W.	7	4.4	...	3.0U	...	U	MAR. 31	06A.M. MST
MAR. 31	13	45	51.5	41.98 N.	112.41 W.	7	4.5	...	3.2U	...	U	MAR. 31	06A.M. MST
ILLINOIS													
MAR. 1	18	12		NEAR ELMHURST		..	...	...	...	II	.	FEB. 28	12P.M. CST
MISSOURI													
JAN. 10	15	31	00.8	38.20 N.	91.03 W.	0	...	...	3.2S	...	G	JAN. 10	09A.M. CST
FEB. 13	19	43	57.6	36.52 N.	89.56 W.	5	...	...	3.3S	V	G	FEB. 13	01P.M. CST
MONTANA													
JAN. 17	04	18	56.1	47.44 N.	114.35 W.	5	4.4	...	...	IV	G	JAN. 16	09P.M. MST
JAN. 17	14	54	01.2	48.36 N.	114.10 W.	6	...	...	...	...	G	JAN. 17	07A.M. MST
JAN. 29	20	08	23.9	45.07 N.	111.47 W.	5	4.2	...	...	IV	G	JAN. 29	01P.M. MST
JAN. 31	07	10		NEAR W. YELLOWSTONE		..	...	...	...	IV	.	JAN. 31	12A.M. MST
JAN. 31	08	54	45.1	48.17 N.	114.14 W.	5	4.1	...	3.8G	VI	G	JAN. 31	01A.M. MST
FEB. 4	01	32	52.1	48.21 N.	114.11 W.	8	4.6	...	5.0G	VI	G	FEB. 3	06P.M. MST
FEB. 8	03	14	29.4	45.95 N.	111.34 W.	5	...	...	4.0G	IV	G	FEB. 7	08P.M. MST
MAR. 8	04	48	55.7	45.72 N.	111.56 W.	5	...	...	...	...	G	MAR. 7	09P.M. MST
MAR. 11	13	30	59.9	44.94 N.	111.45 W.	5	...	...	...	...	G	MAR. 11	06A.M. MST
NEVADA													
FEB. 28	15	15	00.0	37.11 N.	116.06 W.	0	5.7	...	5.5B	...	A	FEB. 28	07A.M. PST
MAR. 7	15	00	00.0	37.13 N.	116.08 W.	0	5.5	...	5.2B	...	A	MAR. 7	07A.M. PST
MAR. 26	04	30	54.7	36.10 N.	115.70 W.	11	...	...	3.4P	...	P	MAR. 25	08P.M. PST
NEW MEXICO													
MAR. 4	03	48	04.9	34.55 N.	107.05 W.	5	...	...	2.7G	II	X	MAR. 3	10P.M. MST
MAR. 6	07	56	55.0	34.55 N.	107.05 W.	5	...	...	2.8G	...	X	MAR. 6	12A.M. MST
MAR. 7	03	16	10.7	34.36 N.	107.08 W.	5	...	...	3.0G	...	X	MAR. 6	08P.M. MST
MAR. 7	17	36	07.4	34.55 N.	107.15 W.	5	...	...	...	...	X	MAR. 7	10A.M. MST
NEW YORK													
JAN. 15	19	16	31.6	44.90 N.	74.56 W.	0	...	...	2.6L	IV	L	JAN. 15	02P.M. EST
OHIO													
FEB. 3	10	31		SENECA COUNTY		..	...	...	...	IV	.	FEB. 3	05A.M. EST
FEB. 16	23	21	31.5	39.05 N.	82.42 W.	5	4.4	...	3.3S	IV	G	FEB. 16	06P.M. EST
OREGON–OFF THE COAST													
JAN. 19	08	09	48.1	44.21 N.	128.44 W.	33N	4.5	...	...	...	G	JAN. 19	12A.M. PST
FEB. 6	03	04	31.4	44.58 N.	130.35 W.	33N	4.3	...	...	...	G	FEB. 5	07P.M. PST
FEB. 17	09	18	26.1	43.57 N.	126.89 W.	33N	4.6	4.1	...	...	G	FEB. 17	01A.M. PST
FEB. 21	09	56	12.1	44.25 N.	128.70 W.	33N	4.3	...	...	...	G	FEB. 21	01A.M. PST
UTAH													
MAR. 31	13	45	51.5	41.98 N.	112.41 W.	7	4.5	...	3.2U	...	U	MAR. 31	06A.M. MST

Table 1.—*Summary of U.S. earthquakes for January–March 1975*—Continued

Date (1975)	Origin time (UTC) hr	min	s	Lat	Long	Depth (km)	Magnitude mb	MS	ML or mbLg	Maximum intensity	Hypocenter source	Local time Date	Hour
VIRGINIA													
MAR. 7	12	45	13.5	37.32 N.	80.48 W.	5	...	...	3.0V	II	V	MAR. 7	07A.M. EST
WASHINGTON													
JAN. 7	06	11	53.0	48.40 N.	122.60 W.	20	...	...	...	II	W	JAN. 6	10P.M. PST
WASHINGTON-OFF THE COAST													
JAN. 8	13	03	01.4	46.76 N.	128.89 W.	33N	4.1	...	...	...	G	JAN. 8	05A.M. PST
JAN. 8	13	09	08.2	46.70 N.	128.70 W.	33N	4.4	...	...	...	G	JAN. 8	05A.M. PST
JAN. 8	13	47	41.6	46.76 N.	128.27 W.	33N	4.3	...	...	...	G	JAN. 8	05A.M. PST
JAN. 8	16	25	48.7	46.92 N.	128.73 W.	33N	4.1	...	...	...	G	JAN. 8	08A.M. PST
JAN. 8	20	11	17.9	46.76 N.	128.80 W.	33N	4.1	...	...	...	G	JAN. 8	12P.M. PST
JAN. 8	21	29	21.2	46.82 N.	129.02 W.	33N	4.6	...	...	...	G	JAN. 8	01P.M. PST
WYOMING													
FEB. 22	21	15	31.3	44.94 N.	110.68 W.	10	...	...	...	...	G	FEB. 22	02P.M. MST
MAR. 25	14	59	58.0	42.67 N.	108.10 W.	10	4.8	...	...	II	G	MAR. 25	07A.M. MST

Table 2.—*Summary of macroseismic data for U.S. earthquakes, January–March 1975*

[Sources of the hypocenter and magnitudes: (A) U.S. Energy Research and Development Administration; (B) University of California, Berkeley; (G) U.S. Geological Survey, National Earthquake Information Service; (H) U.S. Geological Survey, Hawaiian Volcano Observatory; (L) Lamont-Doherty Geological Observatory, Palisades, New York; (M) NOAA, Palmer Observatory, Alaska; (P) California Institute of Technology, Pasadena; (S) St. Louis University, St. Louis, Missouri; (U) University of Utah, Salt Lake City; (V) Virginia Polytechnic Institute and State University, Blacksburg; (W) University of Washington, Seattle; (X) New Mexico Institute of Mining and Technology, Socorro. Dates and origin times are listed in Universal Coordinated Time (UTC), giving the hour, minute, and second. Epicenters are shown in decimal degrees. Only earthquakes with intensity data and explosions are listed]

Alabama

1 March (G) Northwestern Alabama
Origin time: 11 50 00.2
Epicenter: 33.55 N., 87.98 W.
Depth: 18 km
Magnitude: 3.2 mbLg(S)
Hypocenter poorly determined owing to the lack of southern data.

Intensity II: Smithville, Mississippi.

Alaska

1 January (G) Southern Alaska
Origin time: 03 55 12.0
Epicenter: 61.91 N., 149.74 W.
Depth: 66 km
Magnitude: 5.9 mb
Intensity VI: Elmendorf AFB (ceiling tiles fell; plaster cracked).
Intensity V: Talkeetna.
Intensity IV: Anchorage (telephone communications affected in Anchorage area), Palmer, Tyonek, Wasilla.
Intensity III: Farewell.
Intensity II: Nenana.

1 January (G) Southern Alaska
Origin time: 21 15 54.8
Epicenter: 61.41 N., 150.06 W.
Depth: 63 km
Magnitude: 3.8 mb
Intensity III: Anchorage, Palmer, Wasilla (press report).

8 January (G) Andreanof Islands, Aleutian Islands
Origin time: 17 38 19.1
Epicenter: 52.40 N., 175.55 W.
Depth: 114 km
Magnitude: 5.1 mb.
Intensity III: Adak.

Table 2.–*Summary of macroseismic data for U.S. earthquakes, January-March 1975*–Continued

Alaska--Continued

10 January (G) Andreanof Islands, Aleutian Islands
Origin time: 20 40 39.6
Epicenter: 51.59 N., 178.45 W.
Depth: 63 km
Magnitude: 4.9 mb
Intensity II: Adak.

13 January (G) Southern Alaska
Origin time: 00 31 55.6
Epicenter: 61.43 N., 150.49 W.
Depth: 66 km
Magnitude: 4.8 mb
Intensity IV: Anchorage, Hope, Palmer.
Intensity III: Tyonek.
Intensity II: Homer.

16 January (G) Central Alaska
Origin time: 14 05 48.8
Epicenter: 62.90 N., 148.31 W.
Depth: Normal.
Magnitude: 3.6 ML(M)
Intensity II: Chulitna, Palmer.

24 January (G) Central Alaska
Origin time: 11 07 09.8
Epicenter: 64.80 N., 147.41 W.
Depth: 22 km
Magnitude: 3.2 ML(M)
Intensity II: Fairbanks area.

24 January (G) Andreanof Islands, Aleutian Islands
Origin time: 22 43 00.2
Epicenter: 51.81 N., 175.31 W.
Depth: 56 km
Magnitude: 4.6 mb
Intensity IV: Adak.

26 January (G) Southern Alaska
Origin time: 01 12 17.7
Epicenter: 61.75 N., 149.70 W.
Depth: 28 km
Magnitude: 3.0 ML(M)
Intensity II: Palmer area.

27 January (G) Southern Alaska
Origin time: 00 23 09.7
Epicenter: 61.28 N., 149.81 W.
Depth: 46 km
Magnitude: 3.9 mb
Intensity III: Anchorage, Palmer, Wasilla (press report).

Table 2.–*Summary of macroseismic data for U.S. earthquakes, January-March 1975*–Continued

Alaska--Continued

27 January (G) Andreanof Islands, Aleutian Islands
Origin time: 21 33 32.2
Epicenter: 52.49 N., 176.19 W.
Depth: 150 km
Magnitude: 4.9 mb
Intensity II: Adak.

28 January (G) Southern Alaska
Origin time: 07 25 01.2
Epicenter: 61.35 N., 149.97 W.
Depth: 42 km
Magnitude: 3.7 mb
Intensity III: Anchorage, Chugiak, Palmer.

31 January (G) Fox Islands, Aleutian Islands
Origin time: 02 27 37.2
Epicenter: 52.91 N., 168.47 W.
Depth: 59 km
Magnitude: 4.2 mb
Intensity II: Nikolski.

2 February (G) Near Islands, Aleutian Islands
Origin time: 07 24 53.3
Epicenter: 53.05 N., 173.45 E.
Depth: 25 km
Magnitude: 5.9 mb, 5.5 MS
Intensity II: Adak, Shemya.

2 February (G) Near Islands, Aleutian Islands
Origin time: 08 43 39.1
Epicenter: 53.11 N., 173.50 E.
Depth: 10 km
Magnitude: 6.1 mb, 7.6 MS, 7.5 MS(P), 7.4 MS(B)
Intensity IX: Shemya, (15 injured; moderate damage, landslides, 16-inch-wide cracks in airport runway reported. Closed for use--press report).
Intensity VI: Attu (minor damage).
Intensity II: Adak.

2 February (G) Andreanof Islands, Aleutian Islands
Origin time: 15 19 48.4
Epicenter: 51.81 N., 175.40 W.
Depth 56 km
Magnitude: 4.1 mb
Intensity II: Adak.

Table 2.–*Summary of macroseismic data for U.S. earthquakes, January-March 1975*–Continued

Alaska--Continued

2 February (G) Near Islands, Aleutian Islands
Origin time: 15 53 06.9
Epicenter: 52.94 N., 173.56 E.
Depth: 31 km
Magnitude: 4.9 mb, 4.5 MS
Intensity IV: Attu.
Intensity II: Shemya.

9 February (G) Near Islands, Aleutian Islands
Origin time: 11 01 19.4
Epicenter: 52.82 N., 174.49 E.
Depth: 14 km
Magnitude: 5.4 mb, 5.4 MS
Intensity V: Shemya.

10 February (G) Southern Alaska
Origin time: 10 05 38.0
Epicenter: 60.70 N., 147.00 W.
Depth: Normal.
Magnitude: 4.3 mb, 4.7 ML(M)
Intensity II: Anchorage, Palmer.

12 February (G) Central Alaska
Origin time: 15 45 35.1
Epicenter: 63.52 N., 148.73 W.
Depth: Normal.
Magnitude: 4.0 mb, 4.5 ML(M)
Intensity IV: Cantwell.
Intensity III: Fairbanks, Healy.

15 February (G) Andreanof Islands, Aleutian Islands
Origin time: 07 51 15.6
Epicenter: 51.84 N., 175.25 W.
Depth: 49 km
Magnitude: 4.4 mb
Intensity II: Adak.

22 February (G) Andreanof Islands, Aleutian Islands
Origin time: 08 36 07.4
Epicenter: 51.38 N., 179.42 W.
Depth: 48 km
Magnitude: 6.3 mb, 6.5 MS, 6.4 MS(B), 6.0 MS(P)
Intensity VI: Adak.

23 February (G) Andreanof Islands, Aleutian Islands
Origin time: 05 09 43.3
Epicenter: 51.27 N., 179.27 W.
Depth: 50 km
Magnitude: 5.0 mb
Intensity II: Adak.

Table 2.–*Summary of macroseismic data for U.S. earthquakes, January-March 1975*–Continued

Alaska--Continued

9 March (G) Central Alaska
Origin time: 14 19 42.1
Epicenter: 65.84 N., 149.89 W.
Depth: 35 km
Magnitude: 4.1 mb, 4.6 ML(M)
Intensity II: Fairbanks area.

12 March (G) Andreanof Islands, Aleutian Islands
Origin time: 10 43 33.1
Epicenter: 51.53 N., 177.75 W.
Depth: 54 km
Magnitude: 5.4 mb
Intensity IV: Adak.

12 March (G) Southern Alaska
Origin time: 14 05 31.5
Epicenter: 61.91 N., 150.31 W.
Depth: 10 km
Magnitude: 3.9 mb, 4.0 ML(M)
Intensity II: Palmer-Anchorage area.

14 March Central Alaska
Origin time: 18 31
Epicenter: Not located.
Depth: None computed.
Magnitude: None computed.
Intensity III: Fairbanks area.

16 March Central Alaska
Origin time: 23 51
Epicenter: Not located.
Depth: None computed.
Magnitude: None computed.
Intensity III: College Observatory.

17 March (G) Andreanof Islands, Aleutian Islands
Origin time: 17 39 29.2
Epicenter: 51.84 N., 175.29 W.
Depth: 48 km
Magnitude: 5.0 mb, 4.3 MS
Intensity IV: Adak.

20 March Central Alaska
Origin time: 00 14
Epicenter: Not located.
Depth: None computed.
Magnitude: None computed.
Intensity III: Fairbanks area.

Table 2.–*Summary of macroseismic data for U.S. earthquakes, January-March 1975*–Continued

Alaska--Continued

20 March (G) Andreanof Islands, Aleutian Islands
Origin time: 07 11 35.7
Epicenter: 51.26 N., 179.63 W.
Depth: 53 km
Magnitude: 4.9 mb
Intensity II: Adak.

20 March (G) Andreanof Islands, Aleutian Islands
Origin time: 07 30 38.8
Epicenter: 51.32 N., 179.56 W.
Depth: 57 km
Magnitude: 5.4 mb
Intensity II: Adak.

Arkansas

2 January (S) Northeastern Arkansas
Origin time: 09 18 59.7
Epicenter: 34.87 N., 90.94 W.
Depth: 25 km
Magnitude: 2.9 mbLg
Intensity II: Forest City area.

Table 2.–*Summary of macroseismic data for U.S. earthquakes, January-March 1975*–Continued

California

3 January (P) Southern California
Origin time: 05 55 31.6
Epicenter: 33.55 N., 117.65 W.
Depth: 5 km
Magnitude: 4.3 mb(G), 3.8 ML
Intensity IV: Laguna Beach, South Laguna Beach, San Clemente, Trabuco Canyon.
Intensity III: Dana Point, Laguna Hills.

3 January (P) Southern California
Origin time: 06 00 52.8
Epicenter: 33.53 N., 117.63 W.
Depth: 8 km
Magnitude: 3.6 mb(G), 3.3 ML
Intensity IV: Laguna Beach area.

6 January (G) Central California
Origin time: 11 17 12.3
Epicenter: 35.93 N., 120.53 W.
Depth: 10 km
Magnitude: 4.5 mb, 4.1 MS, 4.6 ML(P), 4.4 ML(B)
Felt over an area of approximately 18,000 sq km (fig. 7).

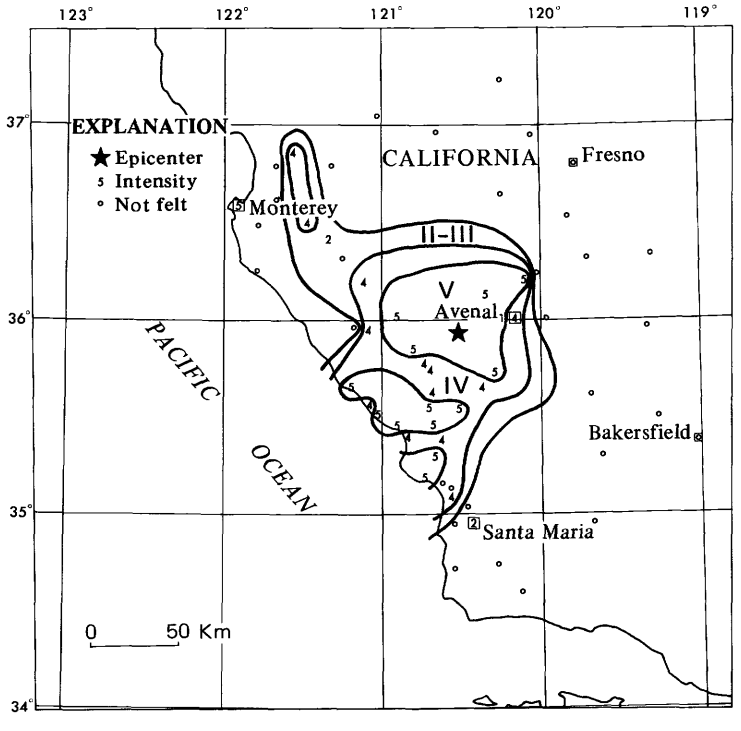

FIGURE 7.--Isoseismals for the central California earthquake of 6 January 1975, 11 17 12.3 UTC.

Table 2.–*Summary of macroseismic data for U.S. earthquakes, January–March 1975*–Continued

California--Continued

Intensity V: Atascadero, Avila Beach, Bradley, Cayucos, Cholame, Coalinga, Creston, Harmony, Huron, Monterey, San Ardo, San Luis Obispo, San Simeon, Templeton.
Intensity IV: Arroyo Grande, Avenal, Cambria, Gonzales, King City, Lockwood, Morro Bay, Paso Robles, San Miguel (and Camp Roberts), San Juan Bautista, Santa Margarita, Shandon.
Intensity II: Santa Maria (press report), Soledad.

8 January Northern California
Origin time: 00 05
Epicenter: Not located.
Depth: None computed.
Magnitude: None computed.
Intensity III: Eureka, Ferndale.

8 January Northern California
Origin time: 00 55
Epicenter: Not located.
Depth: None computed.
Magnitude: None computed.
Intensity III: Eureka, Ferndale.

Table 2.–*Summary of macroseismic data for U.S. earthquakes, January–March 1975*–Continued

California--Continued

12 January (B) Northern California
Origin time: 01 37 17.2
Epicenter: 40.22 N., 124.26 W.
Depth: 2 km
Magnitude: 4.7 mb(G), 4.4 ML
Felt over an area of approximately 7,000 sq km (fig. 8).

Intensity VI: Petrolia (one TV antenna fell and small amount of chimney damage).
Intensity V: Ferndale, Fortuna, Honeydew, Loleta.
Intensity IV: Bayside, Bridgeville, Eureka, Garberville, Hydesville, Miranda, Piercy, Rio Dell, Scotia, Westhaven, Whitehorn.
Intensity III: Alderpoint, Blocksburg, Blue Lake, Kneeland, Phillipsville, Redcrest, Samoa, Trinidad, Willow Creek.
Intensity II: Burnt Ranch.

13 January (P) Southern California
Origin time: 11 21 49.9
Epicenter: 33.82 N., 118.08 W.

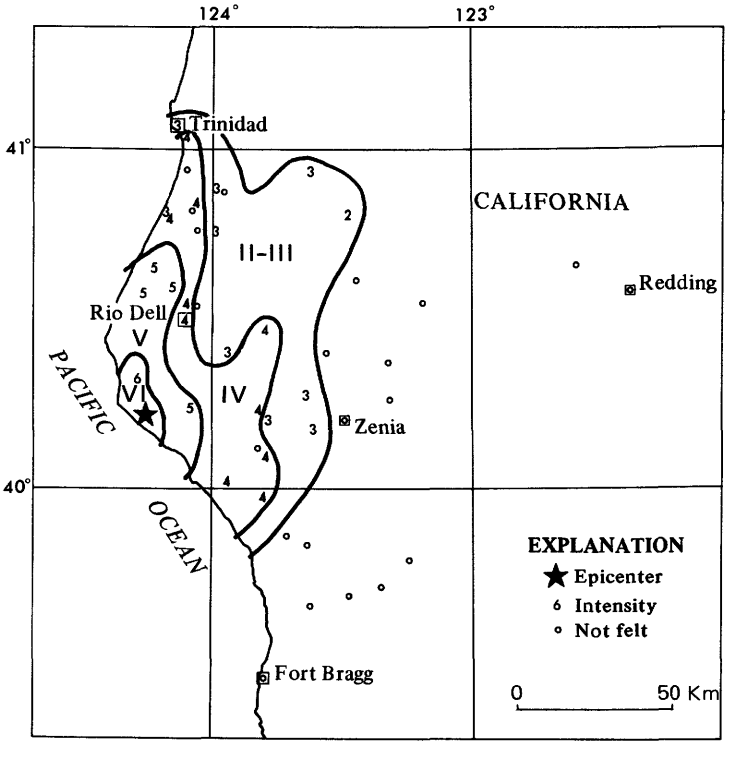

FIGURE 8.--Isoseismals for the northern California earthquake of 12 January 1975, 01 37 17.2 UTC.

Table 2.–*Summary of macroseismic data for U.S. earthquakes, January-March 1975*–Continued

California--Continued

Depth: 12 km
Magnitude: 3.8 mb(G), 3.5 ML
See figure 9 for a map of the intensity data.

Intensity VI: Lakewood, (minor damage --press report), Long Beach, (plaster cracked and fell).
Intensity V: Anaheim, Bell, Bellflower, Compton, Cypress, Downey, Lynwood, Maywood, Paramount, Seal Beach, Signal Hill, Wilmington.
Intensity IV: Cardiff-by-the-sea, Artesia, Hermosa Beach, Huntington Beach, Huntington Park, Los Angeles, Sunset Beach, Temecula, Vista, Westminster, Whittier, Winchester.
Intensity III: Bloomington, Carson (press report), Etiwanda, La Mirada, Monterey Park, Mt. Baldy, Pico Rivera, Placentia, Stanton,
Intensity II: Mt. Wilson, Torrence.

14 January (P) Southern California
Origin time: 07 58 41.3
Epicenter: 33.82 N., 118.07 W.
Depth: 15 km
Magnitude: 3.1 ML
Intensity V: Long Beach area.

Table 2.–*Summary of macroseismic data for U.S. earthquakes, January-March 1975*–Continued

California--Continued

21 January (P) California-Mexico border region
Origin time: 16 47 35.3
Epicenter: 32.93 N., 115.50 W.
Depth: 8 km
Magnitude: 3.2 ML
Intensity VI: Calipatria (bricks separated).
Intensity V: Brawley, Calexico, Heber, Seeley.
Intensity IV: Lone Pine.

23 January (P) California-Mexico border region
Origin time: 12 30 16.8
Epicenter: 32.93 N., 115.48 W.
Depth: 10 km
Magnitude: 4.3 mb(G), 4.0 ML
Intensity IV: Mount Laguna.
Intensity III: Palo Verde.
Intensity II: Throughout Imperial Valley.

23 January (P) California-Mexico border region
Origin Time: 12 42 52.0
Epicenter: 32.92 N., 115.48 W.
Depth: 8 km
Magnitude: 4.2 mb, 3.9 ML
Intensity II: Imperial Valley.

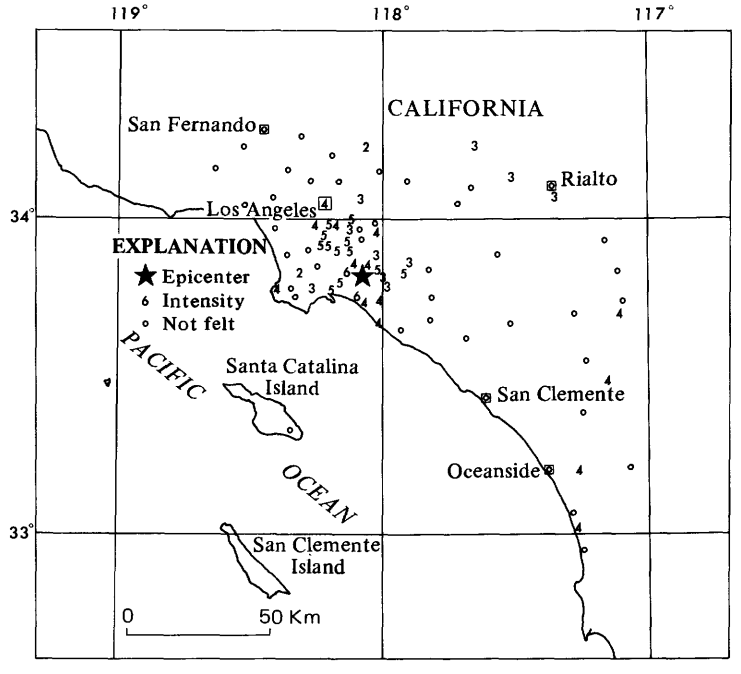

FIGURE 9.--Intensity map for the southern California earthquake of 13 January 1975, 11 21 49.9 UTC.

Table 2.–*Summary of macroseismic data for U.S. earthquakes, January-March 1975*–Continued

California--Continued

23 January (P) California-Mexico border region
Origin time: 12 55 48.8
Epicenter: 32.93 N., 115.48 W.
Depth: 4 km
Magnitude: 4.6 mb(G), 4.3 ML
Intensity II: Imperial Valley.

23 January (P) California-Mexico border region
Origin time: 13 02 07.5
Epicenter: 32.93 N., 115.48 W.
Depth: 5 km
Magnitude: 4.3 mb(G), 3.8 ML
Intensity II: Imperial Valley.

23 January (P) California-Mexico border region
Origin time: 13 47 19.8
Epicenter: 32.93 N., 115.48 W.
Depth: 5 km
Magnitude: 4.2 mb(G), 4.0 ML
Intensity II: Imperial Valley.

23 January (P) Southern California
Origin time: 17 02 29.7
Epicenter: 32.96 N., 115.49 W.
Depth: 8 km
Magnitude: 4.9 mb(G), 4.6 MS(G), 4.8 ML
Felt over an area of approximately 14,000 sq km (fig. 10).

Intensity VII:
California--Calipatria (Large cracks in upper floor wall of post office. Small pieces of plaster fell.)
Intensity VI:
California--Brawley (minor cracks in plaster), 4.8 km south of Ocotillo (fireplace cracked from top to bottom).
Intensity V:
California--Calexico, Heber, Imperial, Plaster City, San Diego, Seeley.
Intensity IV:
California--Jacumba, Roll, Wellton, Winterhaven.
Intensity III:
Arizona--Gadsden.
California--Westmorland.
Intensity II:
Arizona--Somerton (National Weather Service), Yuma.
California--Blythe, Guatay.

Table 2.–*Summary of macroseismic data for U.S. earthquakes, January-March 1975*–Continued

California--Continued

28 January (P) Southern California
Origin time: 05 22 23.5
Epicenter: 34.19 N., 118.54 W.
Depth: 12 km
Magnitude: 2.8 ML
Intensity II: Woodland Hills of San Fernando.

10 February (P) Southern California
Origin time: 12 51 17.5
Epicenter: 34.40 N.,116.65 W.
Depth 5 km
Magnitude: 4.3 mb(G), 4.4 ML
Intensity IV: Apple Valley, Big Bear Lake, Fawnskin, Running Springs, Winchester.
Intensity III: Big Bear City, Morongo Valley.
Intensity II: Arrowhead Lake, Barstow, Lucerne Valley, White Water.

12 February (G) Central California
Origin time: 12 03 17.8
Epicenter: 35.97 N., 120.14 W.
Depth: 12 km
Magnitude: 3.6 ML(P), 3.4 ML(B)
Intensity IV: Avenal, Kings County.

17 February (P) Southern California
Origin time: 00 47 39.2
Epicenter: 33.00 N., 115.50 W.
Depth: 5 km
Magnitude: 3.0 ML
Intensity II: Brawley.

17 February (P) Southern California
Origin time: 00 53 01.4
Epicenter: 33.00 N., 115.50 W.
Depth: 6 km
Magnitude: 3.3 ML
Intensity II: Brawley.

17 February (B) Central California
Origin time: 04 57 49.2
Epicenter: 37.89 N., 121.99 W.
Depth: 10 km
Magnitude: 3.1 ML
Intensity III: Danville.
Intensity II: Berkeley, Ferndale, Lafayette, San Ramon, Walnut Creek.

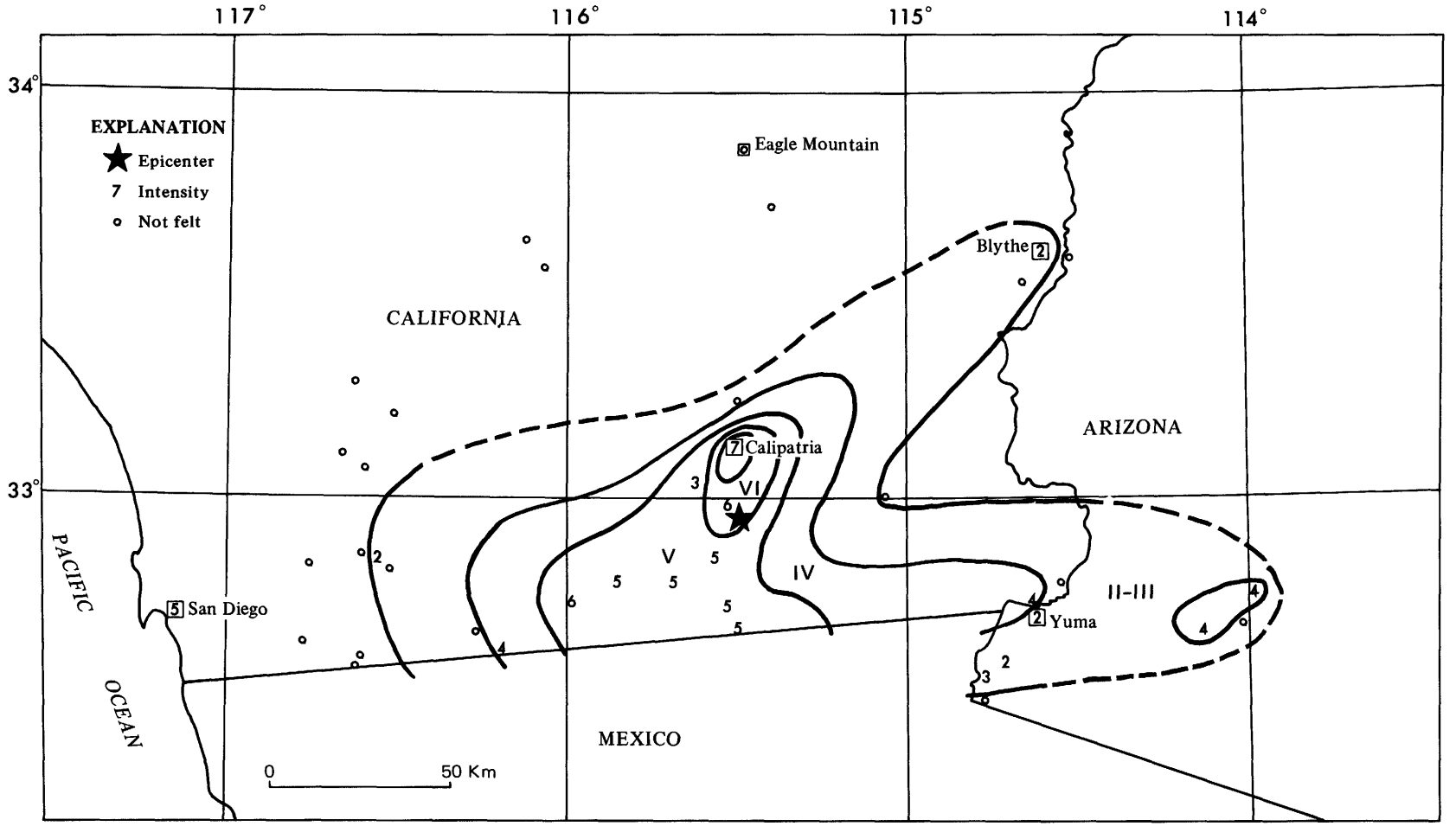

FIGURE 10.--Isoseismals for the southern California earthquake of 23 January 1975, 17 02 29.7 UTC.

Table 2.—*Summary of macroseismic data for U.S. earthquakes, January-March 1975*—Continued

California--Continued

18 February (P) Southern California
Origin time: 09 48 25.6
Epicenter: 33.92 N., 117.75 W.
Depth: 3 km
Magnitude: 4.0 mb(G), 2.8 ML
Intensity II: Orange County.

20 February (B) California
Origin time: 03 58 10.8
Epicenter: 37.34 N., 121.32 W.
Depth: 6 km
Magnitude: 3.4 ML
Intensity II: Felt east of Mt. Hamilton (B).

27 February (B) Central California
Origin time: 22 22 55.2
Epicenter: 36.21 N., 121.65 W.
Depth: 7 km
Magnitude: 3.4 ML
Intensity II: Carmel Valley.

3 March (B) Central California
Origin time: 11 34 56.0
Epicenter: 36.94 N., 121.48 W.
Depth: 9 km
Magnitude: 4.1 mb(G), 4.3 ML
Intensity IV: Hollister, San Juan Bautista, Tres Pinos, Watsonville (many people awakened).
Intensity II: Moss Landing, Monterey, San Jose (felt on fifth floor).

3 March (P) Southern California
Origin time: 15 34 45.1
Epicenter: 33.93 N., 118.28 W.
Depth: 10 km
Magnitude: 3.4 ML
Intensity VI: Compton, (plaster cracked, broken windows--press report).
Intensity V: Santa Monica, Torrance.
Intensity IV: El Segundo, Gardena, Hawthorne, Inglewood, South Gate.
Intensity III: Huntington Park, Los Angeles (burglar alarm set off--press report), Manhattan Beach, Redondo Beach, Sun Valley.
Intensity II: Culver City, Downey, Lawndale, Long Beach, Pico Rivera.

Table 2.—*Summary of macroseismic data for U.S. earthquakes, January-March 1975*—Continued

California--Continued

3 March (P) Southern California
Origin time: 16 42 19.2
Epicenter: 34.33 N., 118.25 W.
Depth: 4 km
Magnitude: 3.1 ML
Intensity II: Glendale, La Crescenta area.

15 March (B) Central California
Origin time: 20 59 43.2
Epicenter: 36.93 N., 121.49 W.
Depth: 9 km
Magnitude: 3.6 ML
Intensity II: Hollister.

17 March (P) Southern California
Origin time: 00 13 44.7
Epicenter: 34.15 N., 117.47 W.
Depth: 12 km
Magnitude: 4.6 mb(G), 3.4 ML
Felt in western San Bernardino and Riverside Counties. Only areas with specific data are evaluated below.

Intensity III: Etiwanda.
Intensity II: Fontana, Ontario.

California--Off the coast

12 January (P) Southern California
Origin time: 21 22 14.9
Epicenter: 32.80 N., 117.97 W.
Depth: 8 km
Magnitude: 5.1 mb(G), 4.5 ML
Intensity IV: Anaheim, Avalon, La Jolla, Lakeside.
Intensity III: Laguna Beach, Los Angeles, San Deigo, Santa Ana, Seal Beach, Winchester.
Intensity II: Glendale, El Toro, Newport Beach, San Clemente-San Diego area (press report).

28 January (G) Northern California
Origin time: 13 53 16.4
Epicenter: 40.41 N., 125.45 W.
Depth: 10 km
Magnitude: 4.9 mb, 5.0 MS, 4.8 ML(B)
Intensity V: Eureka, Fortuna, Loleta.
Intensity IV: Arcata, Bayside, Ferndale, Miranda, Rio Dell, Scotia.

Table 2.–*Summary of macroseismic data for U.S. earthquakes, January-March 1975*–Continued

California--Off the coast--Continued

17 February (G) Northern California
Origin time: 01 28 09.3
Epicenter: 40.44 N., 126.23 W.
Depth: 4 km
Magnitude: 4.6 mb, 4.3 MS, 4.6 ML(B)
Intensity II: Eureka.

Colorado

30 January (G) Western Colorado
Origin time: 14 48 40.3
Epicenter: 39.27 N., 108.65 W.
Depth: 5 km
Magnitude: 4.4 mb, 3.7 ML
Intensity V: Colorado National Monument, Whitewater.
Intensity IV: Clifton, Fruita, Grand Junction, Mack, West Grand Junction.
Intensity III: Loma, Palisade.
Intensity II: Austin (1.6 km west), De Beque.

Hawaii

1 January (H) Island of Hawaii
Origin time: 00 49 13.7
Epicenter: 19.26 N., 155.36 W.
Depth: 0 km
Magnitude: 4.0 ML
Intensity IV: Pahala.
Intensity III: Hilo.
Intensity II: Puna, Volcano.

1 January (H) Island of Hawaii
Origin time: 01 28 59.1
Epicenter: 19.02 N., 155.19 W.
Depth: 31 km
Magnitude: 4.0 mb(G), 4.4 ML
Intensity III: Pahala.
Intensity II: Glenwood, Volcano.

1 January (H) Island of Hawaii
Origin time: 06 43 55.0
Epicenter: 19.30 N., 155.38 W.
Depth: 5 km
Magnitude: 4.5 mb(G), 4.1 ML
Intensity IV: Pahala.
Intensity II: Naaleha, Volcano.

Table 2.–*Summary of macroseismic data for U.S. earthquakes, January-March 1975*–Continued

Hawaii--Continued

1 January (H) Island of Hawaii
Origin time: 07 41 54.0
Epicenter: 19.26 N., 155.35 W.
Depth: 5 km
Magnitude: 4.2 mb(G), 4.2 ML
Intensity IV: Pahala.
Intensity III: Hilo, Volcano.

1 January (H) Island of Hawaii
Origin time: 11 02 06.9
Epicenter: 19.18 N., 155.34 W.
Depth: 5 km
Magnitude: 4.7 mb(G), 4.1 ML
Intensity III: Pahala.
Intensity II: Hilo, Volcano.

1 January (H) Island of Hawaii
Origin time: 12 41 10.3
Epicenter: 19.21 N., 155.35 W.
Depth: 4 km
Magnitude: 4.7 mb(G), 4.6 ML
Intensity IV: Pahala.
Intensity III: Hilo, Volcano.
Intensity II: Kamuela, Kona.

1 January (H) Island of Hawaii
Origin time: 13 05 45.6
Epicenter: 19.22 N., 155.36 W.
Depth: 8 km
Magnitude: 3.6 ML
Intensity III: Pahala.
Intensity II: Hilo.

1 January (H) Island of Hawaii
Origin time: 15 18 12.7
Epicenter: 19.25 N., 155.38 W.
Depth: 6 km
Magnitude: 3.5 ML
Intensity III: Pahala.
Intensity II: Hilo.

1 January (H) Island of Hawaii
Origin time: 19 11 35.2
Epicenter: 19.24 N., 155.37 W.
Depth: 8 km
Magnitude: 3.6 ML
Intensity III: Pahala.
Intensity II: Hilo.

Table 2.–*Summary of macroseismic data for U.S. earthquakes, January-March 1975*–Continued

Hawaii--Continued

1 January (H) Island of Hawaii
Origin time: 19 46 45.4
Epicenter: 19.25 N., 155.40 W.
Depth: 7 km
Magnitude: 4.9 mb(G), 4.3 ML
Intensity IV: Pahala.
Intensity III: Hilo.
Intensity II: Volcano.

1 January (H) Island of Hawaii
Origin time: 20 27 04.6
Epicenter: 19.20 N., 155.36 W.
Depth: 3 km
Magnitude: 3.6 ML
Intensity III: Pahala.
Intensity II: Hilo.

1 January (H) Island of Hawaii
Origin time: 20 46 48.7
Epicenter: 19.26 N., 155.40 W.
Depth: 5 km
Magnitude: 4.5 mb(G), 4.3 ML
Intensity IV: Pahala.
Intensity III: Hilo, Puna.

1 January (H) Island of Hawaii
Origin time: 21 28 54.1
Epicenter: 19.18 N., 155.35 W.
Depth: 6 km
Magnitude: 4.1 ML
Intensity IV: Pahala.
Intensity III: Hilo.

2 January (H) Island of Hawaii
Origin time: 01 35 18.7
Epicenter: 19.29 N., 155.23 W.
Depth: 8 km
Magnitude: 3.7 ML
Intensity III: Pahala.
Intensity II: Hilo.

2 January (H) Island of Hawaii
Origin time: 13 27 42.7
Epicenter: 19.21 N., 155.38 W.
Depth: 7 km
Magnitude: 4.5 mb(G), 4.2 MS(G), 4.9ML
Intensity V: Pahala.
Intensity IV: Hilo.
Intensity III: Kamuela, Volcano.

Table 2.–*Summary of macroseismic data for U.S. earthquakes, January-March 1975*–Continued

Hawaii--Continued

2 January (H) Island of Hawaii
Origin time: 13 49 07.5
Epicenter: 19.31 N., 155.38 W.
Depth: 7 km
Magnitude: 3.0 ML
Intensity III: Pahala.
Intensity II: Hilo.

3 January (H) Island of Hawaii
Origin time: 11 45 50.1
Epicenter: 19.17 N., 155.37 W.
Depth: 6 km
Magnitude: 3.9 ML
Intensity IV: Pahala.
Intensity II: Hilo, Volcano.

3 January (H) Island of Hawaii
Origin time: 17 32 49.0
Epicenter: 19.20 N., 155.35 W.
Depth: 7 km
Magnitude: 4.7 mb(G), 4.9 ML
Intensity V: Pahala.
Intensity IV: Glenwood, Hilo, Volcano.
Intensity II: Kamuela, Kona.

3 January (H) Island of Hawaii
Origin time: 18 14 45.9
Epicenter: 19.23 N., 155.38 W.
Depth: 7 km
Magnitude: 3.5 ML
Intensity III: Pahala.
Intensity II: Volcano.

3 January (H) Island of Hawaii
Origin time: 21 17 28.8
Epicenter: 19.25 N., 155.36 W.
Depth: 9 km
Magnitude: 3.7 ML
Intensity III: Pahala.
Intensity II: Volcano.

4 January (H) Island of Hawaii
Origin time: 06 35 52.2
Epicenter: 19.35 N., 155.13 W.
Depth: 8 km
Magnitude: 4.3 mb(G), 4.4 ML
Intensity IV: Hilo.
Intensity III: Glenwood, Keaana, Kealakekua, Pepeekeo, Volcano.
Intensity II: Kamuela.

Table 2.–*Summary of macroseismic data for U.S. earthquakes, January-March 1975*–Continued

Hawaii--Continued

4 January (H) Island of Hawaii
Origin time: 12 13 27.7
Epicenter: 19.24 N., 155.38 W.
Depth: 6 km
Magnitude: 3.8 ML
Intensity IV: Pahala.
Intensity III: Hilo, Volcano.

5 January (H) Island of Hawaii
Origin time: 01 32 04.9
Epicenter: 19.24 N., 155.36 W.
Depth: 7 km
Magnitude: 5.1 mb(G), 5.3 MS(G), 4.9 ML
Intensity V: Pahala.
Intensity IV: Hilo, Mountain View.
Intensity III: Keaau, Pepeekeo, Pohakalou, Volcano.
Intensity II: Honokaa, Keauhou.

5 January (H) Island of Hawaii
Origin time: 05 28 03.0
Epicenter: 19.23 N., 155.40 W.
Depth: 7 km
Magnitude: 3.8 ML
Intensity IV: Pahala.
Intensity III: Volcano.

5 January (H) Island of Hawaii
Origin time: 10 48 39.3
Epicenter: 19.23 N., 155.38 W.
Depth: 7 km
Magnitude: 4.0 ML
Intensity III: Pahala.
Intensity II: Hilo, Volcano.

7 January (H) Island of Hawaii
Origin time: 03 47 02.6
Epicenter: 19.27 N., 155.39 W.
Depth: 8 km
Magnitude: 4.4 mb(G), 4.4 ML
Intensity IV: Pahala.
Intensity III: Volcano.

8 January (H) Island of Hawaii
Origin time: 08 13 31.1
Epicenter: 19.25 N., 155.34 W.
Depth: 7 km
Magnitude: 3.5 ML
Intensity III: Pahala.
Intensity II: South Kona.

Table 2.–*Summary of macroseismic data for U.S. earthquakes, January-March 1975*–Continued

Hawaii--Continued

8 January (H) Island of Hawaii
Origin time: 15 52 49.9
Epicenter: 19.25 N., 155.33 W.
Depth: 7 km
Magnitude: 4.1 ML
Intensity III: Pahala, South Kona, Volcano.

7 February (H) Island of Hawaii
Origin time: 16 46 52.2
Epicenter: 19.24 N., 155.54 W.
Depth: 8 km
Magnitude: 3.6 ML
Intensity III: South Kona.

21 February (H) Island of Hawaii
Origin time: 21 19 40.3
Epicenter: 19.36 N., 155.11 W.
Depth: 8 km
Magnitude: 3.5 ML
Intensity III: Hilo, Pahoa.

10 March (H) Island of Hawaii
Origin time: 10 14 12.6
Epicenter: 19.41 N., 155.46 W.
Depth: 8 km
Magnitude: 4.0 ML
Intensity III: Pahala, Volcano.
Intensity II: Captain Cook, Hilo, Mountain View.

26 March (H) Island of Hawaii
Origin time: 20 06 03.0
Epicenter: 19.46 N., 155.60 W.
Depth: 5 km
Magnitude: 4.3 ML
Intensity III: Mauna Loa Observatory, South Kona.
Intensity II: Pahala, Volcano.

Idaho

27 March (U) Idaho-Utah border region
Origin time: 04 48 51.6
Epicenter: 42.07 N., 112.55 W.
Depth: 6 km
Magnitude: 4.4 mb(G), 4.2 ML
Intensity V: Idaho--Malad City, Stone.
Intensity IV: Utah--Cornish.
Intensity III: Idaho--Dayton, Holbrook.
Intensity II:
Idaho--Clifton, Paris, Weston.
Utah--Bear River City, Newton, Smithfield.

Table 2.–*Summary of macroseismic data for U.S. earthquakes, January-March 1975*–Continued

Idaho--Continued

28 March (U) Idaho-Utah border region
Origin Time: 02 31 05.7
Epicenter: 42.06 N., 112.55 W.
Depth: 5 km
Magnitude: 6.1 mb(G), 6.0 MS(G), 6.1 ML(G), 6.2 ML(P)

Felt area includes about 160,000 sq km (fig. 11) extending to central Idaho, northeastern Nevada, all of northern Utah, southwestern Wyoming, and western Colorado. Maximum intensity VIII. There were many felt aftershocks of this earthquake between intensity II and IV for which no canvasses were made. The estimate of damage in the epicentral area was approximately one million dollars; 520 homes were damaged. Greatest damage to a single home was approximately $9,500. (Information supplied by Dick Seifert, Station KSEI, Pocatello, Idaho.)

Intensity VIII:

Idaho--

Ridgedale, Pocatello Valley-- On Lee Fuhriman's farm, Pocatello Valley, Idaho, one full corrugated metal silo split open at the door (fig. 12). A 700-bushel bin shifted south, then

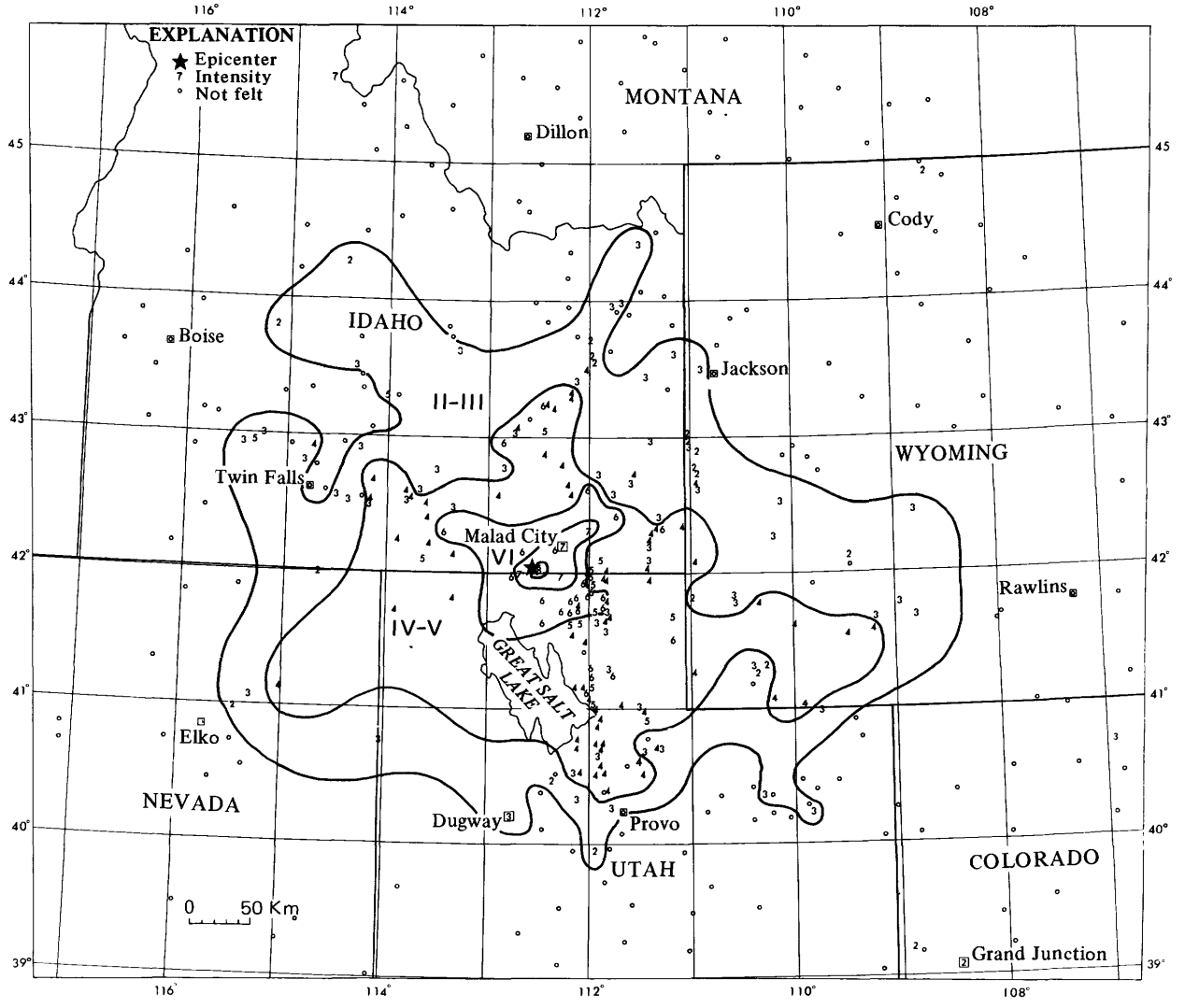

FIGURE 11.--Isoseismals for the Idaho-Utah border region earthquake of 28 March 1975, 02 31 05.7 UTC.

FIGURE 12.--Damaged metal silo on Lee Fuhriman's farm in Pocatello Valley, Idaho (photo courtesy of R. Bucknam).

Table 2.–*Summary of macroseismic data for U.S. earthquakes, January–March 1975*–Continued

Idaho--Continued
north, rotating clockwise. One 3,500-bushel bin collapsed at the 3- or 4-m level. One of the newer silos was shifted enough to break five of seven retaining rings. The bottom edges of two new silos were curled under. All silos were full. One 2 x 4, a wooden crossbrace in the barn roof, was split. A fuel tank overturned; and a tractor-trailer moved, leaving skid marks, from parking space on Fuhriman's farm. At Seth Hamlin's ranch 1.4 km northeast of Fuhriman's, a 500-gallon oil drum on stilts 1.5 m high and 1.2 m wide fell to the ground. Damage to schoolhouse in Ridgedale, which had suffered damage in earthquake of 1934. Snow avalanches triggered by earthquake.

Table 2.–*Summary of macroseismic data for U.S. earthquakes, January–March 1975*–Continued

Idaho--Continued
Intensity VII:
Idaho--
Malad City--Moderate damage: Chimneys cracked, fell, twisted off in clockwise direction; walls cracked. Estimated damage $100,000. U.S. Geological Survey personnel noted many cracks in building door frames, tall brick chimney at old high school knocked down. High school gym separated from main building. Acoustic wall panel in this high school fell down, causing the only earthquake injury reported; one high school girl suffered minor cuts (press report). The firehouse had cracks all the way around the tops of walls. Estimated 40 percent of chimneys in the town damaged, but those of good, recent construction

Table 2.–*Summary of macroseismic data for U.S. earthquakes, January-March 1975*–Continued

Idaho--Continued

suffered no damage (D. Buck, FDAA, oral commun., 1975). No damage was found to dams in the area.
Stone--Cement garage floor cracked in north-south direction; several bricks knocked off two poorly constructed chimneys. Plaster cracked, windows cracked, water disturbed. Small objects fell.
Swan Lake--Water in wells muddy.

Utah--
Portage--Jars of fruit fell from basement shelves and broke. Furniture overturned.

Intensity VI:

Idaho--
Aberdeen--Crack in fireplace chimney.
Dayton--Cracks in ceilings and walls.
Dingle--Fireplace cracked.
Gwenford--Chimney of poor construction broken off at roof line (located 1.6 km north of Samaria).
Holbrook--Twenty percent of poorly constructed chimneys had loose bricks or several bricks knocked off. At Kent Smith's ranch, 4 km east of Holbrook, a heavy console TV was knocked over; new chimney cracked at roof line and shifted south. Two old chimneys rotated counterclockwise. Much cracked plaster, split wallpaper; light curtain rods knocked off wall at one end. A second new chimney unaffected. Dishes broken.
Lava Hot Springs--High school gym walls cracked.
Malta--Garage floor cracked.
Moreland--Plaster cracked.
Pleasant View--Two houses had chimney damage; one had bricks on roof and one chimney was completely broken off 0.3 m above the roof line.
Samaria--Several houses of poor to moderate construction had chimney damage. Bricks found on roofs of three houses 2 km east of Samaria. At reservoir #2, tall chimney broken at base and shifted.
St. John--One chimney cracked; one chimney had three bricks knocked off. Both were of poor or old construction. Many undamaged.
Thatcher--Plaster cracked.
Woodruff-Two houses of poor construction, with chimney damage, loose bricks on roof, were located on the east side of Highway 121.

Table 2.–*Summary of macroseismic data for U.S. earthquakes, January-March 1975*–Continued

Idaho--Continued

Utah--
Bothwell--Most chimneys undamaged. One old chimney rotated 45 deg. clockwise. Eleven km west of town in Blue Spring Hills, one brick knocked off old chimney. Three others undamaged.
Cache Junction--Plaster cracked, northwest-southeast motion.
Clearfield--Plaster cracked, north-south motion.
Deweyville--Slight damage.
Fielding--$100 estimated breakage, north-south motion. Three houses had chimney damage consisting of loose bricks.
Garland--Bricks knocked off one chimney; no damage to many poorly constructed chimneys; some damage to other chimneys.
Howell--Plaster cracked, north-south motion. One brick knocked off old chimney.
Huntsville--Cracked ceilings and walls.
Logan--Damage to chimneys.
Newton--Plaster cracked.
North Ogden--Large chair and table moved about 5 cm.
Ogden--Plaster cracked.
Promontory--Three old chimneys had loose or fallen bricks.
Riverside--Plaster cracked, slight damage; bricks knocked off two poorly constructed chimneys.
Smithfield--Small cracks.
Snowville--Moderate damage, small objects broken. Ten percent of poor or old chimneys were cracked; about 1 percent had a few fallen bricks.
Tremonton--A few old chimneys showed loose and displaced bricks, but no fallen bricks.

Wyoming--
Grover--Slight damage and water disturbed.

Intensity V:

Idaho--Almo, Fort Hall, Glens Ferry, Lewisville, Picabo, Preston.
Utah--Bear River City, Bingham Canyon, Coalville, Cornish, Honeyville, Kaysville, Mendon, Randolph, Trenton, Washington Terrace.

Intensity IV:

Idaho--Acequia, Albion, Arimo, Basalt, Blackfoot, Bridge, Clifton, Conda, Declo, Eden, Elba, Firth, Fish Haven,

Table 2.–*Summary of macroseismic data for U.S. earthquakes, January-March 1975*–Continued

Idaho--Continued

Franklin, Geneva, Gooding, Hazelton, Heyburn, Idaho Falls, Inkom, McCammon, Midway, Montpelier, Moreland, Oakley, Ovid, Paris, Paul, Pocatello, Rockland, Springfield, Weston.
Nevada--Wells.
Utah--American Fork, Brigham City, Collinston, Corinne, Draper, Echo, Farmington, Garden City, Grouse Creek, Hill Air Force Base, Hooper, Hyde Park, Hyrum, Kearns, Lark, Layton, Lewiston, Magna, Midway, Millville, Morgan, Park City, Park Valley, Peoa, Richmond, Riverton, Roosevelt, Roy, Saltair, Salt Lake City, Sandy, South Salt Lake, Woods Cross.
Wyoming--Cokeville, Evanston, Fairview, Freedom, Granger, Green River, Lonetree, McKinnon, Opal, Rock Springs.

Intensity III:
Colorado--Clark.
Idaho--American Falls, Arco, Bancroft, Bennington, Bloomington, Burley, Dietrich, Georgetown, Grace, Hagerman, Hailey, Hammett, Island Park, Kimberly, King Hill, Minidoka, Murtaugh, Parker, Rupert, Saint Anthony, Saint Charles, Shelley, Soda Springs, Sterling, Swan Valley, Twin Falls, Victor, Wayan.
Nevada--Deeth.
Utah--Altamont, Bountiful, Cedar Valley, Dugway, Eden, Heber City, Henefer, Kamas, Manila, Murray, Oakley, Orem, Paradise, Providence, Randlett, Wellsville, Wendover.
Wyoming--Big Piney, Elk Mountain, Fort Bridger, Frontier, Kemmerer, La Barge, Point of Rocks, Reliance, Smoot, South Pass City, Superior, Thayne, Wilson.

Intensity II:
Colorado--Grand Junction, Mack.
Idaho--Atlanta, Clayton, Iona, Menan, Ucon.
Nevada--Halleck, Jackpot.
Utah--Elberta, Fillmore, Stockton.
Wyoming--Afton, Auburn, Bedford, Deaver, Etna, Farson, Lyman, Mountain View, Saint Stephens.

Some of the information included in the above report was provided by U.S. Geological Survey field personnel, Robert Bucknam, Charles Langer, and Albert Rogers.

Table 2.–*Summary of macroseismic data for U.S. earthquakes, January-March 1975*–Continued

Idaho--Continued

28 March (U) Idaho-Utah border region
Origin time: 13 11 16.6
Epicenter: 42.05 N., 112.48 W.
Depth: 2 km
Magnitude: 4.3 mb(G), 3.0 ML

Intensities II-IV: Throughout southern Idaho and northern Utah. No damage or injuries reported.

28 March (U) Idaho-Utah border region
Origin time: 16 15 06.9
Epicenter: 42.03 N., 112.53 W.
Depth: 7 km
Magnitude: 4.1 mb(G), 3.8 ML

Intensities II-III: Throughout southern Idaho and northern Utah.

29 March (U) Idaho-Utah border region
Origin time: 05 44 32.6
Epicenter: 42.08 N., 112.45 W.
Depth: 3 km
Magnitude: 4.3 mb(G), 3.2 ML

Intensities II-IV: Throughout southern Idaho and northern Utah.

29 March (U) Idaho-Utah border region
Origin time: 13 01 19.8
Epicenter: 42.02 N., 112.52 W.
Depth: 4 km
Magnitude: 4.7 mb(G), 4.7 ML

Intensity V: Utah--Deweyville, Riverside.
Intensity IV:
Utah--Cache Junction, Clarkston, Collinston, Corinne, Farmington, Fielding, Garland, Hooper, Howell, Layton, Mendon, Millville, Portage, Trenton.
Intensity III:
Idaho--Atomic City, Grace, Malad City, Rockland, Shelley, Tetonia.
Utah--Bear River City, Draper, Murray, Woodruff.
Wyoming--Etna.
Intensity II:
Idaho--Alamo, Clifton, Preston.
Utah--Grouse Creek, Ibapah, Kearns, Stockton, Wellsville.
Wyoming--Mountain View, Saint Stephens, Wilson.

Table 2.–*Summary of macroseismic data for U.S. earthquakes, January-March 1975*–Continued

Illinois

1 March Northern Illinois
Origin time: 18 12
Epicenter: Not located.
Depth: None computed.
Magnitude: None computed.
Intensity II: Elmhurst.

Missouri

10 January (S) Eastern Missouri
Origin time: 15 31 00.8
Epicenter: 38.20 N., 91.03 W.
Depth: 0 km
Magnitude: 3.2 mbLg
136,000 kg of gelignite exploded at Pea Ridge mine near Sullivan.

13 February (S) New Madrid area
Origin time: 19 43 57.6
Epicenter: 36.52 N., 89.56 W.
Depth: 5 km
Magnitude: 3.3 mbLg
Intensity V: Missouri--Conran, Marston.
Intensity IV:
Illinois--Pulaski, Tamms.
Missouri--Portageville.
Tennessee--Union City.
Intensity II:
Illinois--Villa Ridge.
Kentucky--Barlow.
Missouri--Kewanee, McGee.

Montana

17 January (G) Northwestern Montana
Origin time: 04 18 56.1
Epicenter: 47.44 N., 114.35 W.
Depth: 5 km
Magnitude: 4.4 mb
Intensity IV: Dixon.
Intensity III: Moiese.

29 January (G) Hebgen Lake area
Origin time: 20 08 23.9
Epicenter: 45.07 N., 111.47 W.
Depth: 5 km
Magnitude: 4.2 mb

Intensity V: West Yellowstone. (Several grocery items in one store knocked off shelf.)

Table 2.–*Summary of macroseismic data for U.S. earthquakes, January-March 1975*–Continued

Montana--Continued

Intensity III: Madison Junction, West Gate Garage (Yellowstone National Park).
Intensity II: Old Faithful (Yellowstone National Park).

31 January Hebgen Lake area
Origin time: 07 10
Epicenter: Not located.
Depth: None computed.
Magnitude: None computed.
Intensity IV: West Yellowstone. (Awakened many people. Several aftershocks felt.)

31 January (G) Northwestern Montana
Origin time: 08 54 45.1
Epicenter: 48.17 N., 114.14 W.
Depth: 5 km
Magnitude: 4.1 mb, 3.8 ML

Intensity VI: Martin City (cracked plaster).
Intensity V: Creston, Proctor.
Intensity IV: Big Arm, Big Fork, Coram, Hungry Horse, Kalispell, Lakeside, Somers, Swan Lake.

4 February (G) Northwestern Montana
Origin time: 01 32 52.1
Epicenter: 48.21 N., 114.11 W.
Depth: 8 km
Magnitude: 4.6 mb, 5.0 ML

The intensity data for Canada was furnished by R. J. Wetmiller, Earth Physics Branch, Seismology Division, Departmant of Energy, Mines and Resources, Ottawa, Canada.
Felt over an area of approximately 50,000 sq km (fig. 13).

Intensity VI:
Montana--Creston-Kalispell area (plaster cracked), Martin City (plaster cracked).

Intensity V:
British Columbia--Jaffray.
Montana--Big Arm, Columbia Falls, Coram, Lakeside, Marion, Proctor, Somers, Trego.

Intensity IV:
Montana--Big Fork, Hungry Horse, Kila, Olney, Rexford, Swan Lake, West Glacier, Whitefish.

Table 2.–*Summary of macroseismic data for U.S. earthquakes, January-March 1975*–Continued

Montana--Continued

Intensity III:
Alberta--Bellvue, Blairmore, Coleman, Glenwood.
British Columbia--Baynes Lake, Cranbrook, Elko, Fernie, Kimberly, Michel, Natal, Pincher Creek, Top of the World Provincial Park, Wardner.
Montana--Eureka, Stryker.
Intensity II:
Alberta--Waterton Park.
British Columbia--Creston, Ft. Steele, Kootenay Bay, Marysville, Sirdar.
Montana--Elmo, Fortine, Libby, Perma, Polson.

8 February (G) Western Montana
Origin time: 03 14 29.4
Epicenter: 45.95 N., 111.34 W.
Depth: 5 km
Magnitude: 4.0 ML
Intensity IV: Belgrade, Bozeman, Manhattan.
Intensity II: Gallatin Gateway, Springdale, Three Forks, Trident.

Table 2.–*Summary of macroseismic data for U.S. earthquakes, January-March 1975*–Continued

Nevada

28 February (A) Southern Nevada
Origin time: 15 15 00.0
Epicenter: 37.10 N., 116.05 W.
Depth: 0 km
Magnitude: 5.7 mb(G), 5.5 ML(B)
Nevada Test Site explosion at 37 06'22.32" N., 116 03'22.51" W.

7 March (A) Southern Nevada
Origin time: 15 00 00.0
Epicenter: 37.13 N., 116.08 W.
Depth: 0 km
Magnitude: 5.5 mb(G), 5.2 ML(B)
Nevada Test Site explosion at 37 08'02.44" N., 116 05'03.28" W.

New Mexico

5 March (X) Central New Mexico
Origin time: 03 48 04.9
Epicenter: 34.55 N., 107.05 W.
Depth: 5 km
Magnitude: 2.7 ML(G)
Intensity II: Near Belen.

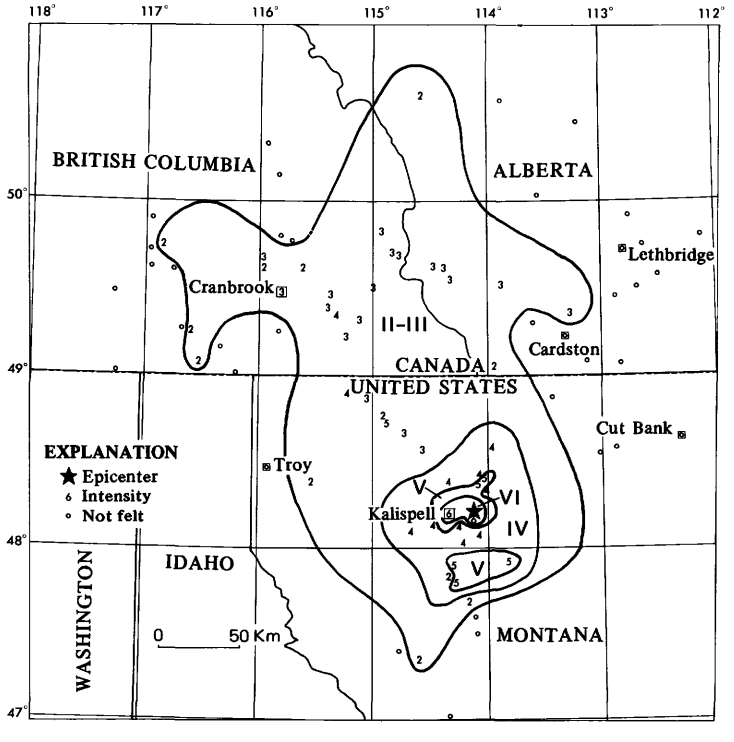

FIGURE 13.--Isoseismals for the northwestern Montana earthquake of 4 February 1975, 01 32 52.1 UTC.

Table 2.—*Summary of macroseismic data for U.S. earthquakes, January-March 1975*—Continued

New York

15 January (L) Northern New York
Origin time: 19 16 31.6
Epicenter: 44.90 N., 74.56 W.
Depth: 0 km
Magnitude: 2.6 ML

Intensity IV: Brasher Falls, Brushton, Fort Covington, Hogansburg, Lawrenceville, Malone.
Intensity III: Moira.
Intensity II: Bangor, Cornwall (press report), Massena, North Bangor, and in Ontario, Canada (press report).

Ohio

3 February North-central Ohio
Origin time: 10 31
Epicenter: Seneca County.
Depth: None computed.
Magnitude: None computed.

Newspaper reports stated that residents of Seneca and Sandusky Counties felt their homes shaken by the tremor. Intensity canvass and evaluation done by E. J. Walter, John Carroll University, Cleveland, Ohio 44118.
Intensity IV: Burgoon, Fremont, Melmore, Millersville, Republic, Tiffin.
Intensity III: Lakeside, Marblehead.

16 February (G) Southern Ohio
Origin time: 23 21 31.5
Epicenter: 39.05 N., 82.42 W.
Depth: 5 km
Magnitude: 4.4 mb, 3.3 mbLg(S)

Intensity survey and evaluations for this earthquake by E. J. Walter, John Carroll University, Cleveland, Ohio 44118.
Intensity IV:
Ohio--Addison, Coalton, Oak Hill, Rio Grande, Thurman, Wilkesville.
West Virginia--Point Pleasant.
Intensity III: Ohio--Jackson, Vinton.
Intensity II:
Ohio--Danville, 1.6 km north of Rio Grande (press report), South Webster. Felt in Jackson and Gallia Counties south to the Lawrence County line (press report).

Table 2.—*Summary of macroseismic data for U.S. earthquakes, January-March 1975*—Continued

Virginia

7 March (V) Southwestern Virginia
Origin time: 12 45 13.5
Epicenter: 37.32 N., 80.48 W.
Depth: 5 km
Magnitude: 3.0 mbLg
Intensity II: Bane, Fort Branch, Harrisburg, Pearisburg.

Washington

7 January (W) Northwest Washington
Origin time: 06 11 53.0
Epicenter: 48.40 N., 122.60 W.
Depth: 20 km
Magnitude: None computed.
Intensity II: La Conner.

Wyoming

25 March (G) Central Wyoming
Origin time: 14 59 58.0
Epicenter: 42.67 N., 108.10 W.
Depth: 10 km
Magnitude: 4.8 mb
Intensity II: Jeffrey City, Riverton.

ACKNOWLEDGMENTS

Listed below are the collaborators who furnished data to the National Earthquake Information Service for use in this circular:

ALASKA: Staff of NOAA, Palmer Observatory, Palmer.
J. B. Townshend, College Observatory, College.

CALIFORNIA: Clarence R. Allen, Seismological Laboratory, California Institute of Technology, Pasadena.
Bruce A. Bolt, Seismograph Station, University of California, Berkeley.

HAWAII: Robert Y. Koyanagi, U.S. Geological Survey, Hawaiian Volcano Observatory, Hawaii National Park.

MISSOURI: Otto Nuttli, Dept. of Geology and Geophysics, St. Louis University, St. Louis.

NEW MEXICO: Allen R. Sanford, New Mexico Institute of Mining and Technology, Socorro.

NEW YORK: Lynn R. Sykes, Lamont-Doherty Geological Observatory, Columbia University, Palisades.

UTAH: Department of Geological and Geophysical Sciences, University of Utah, Salt Lake City.

VIRGINIA: G. A. Bollinger, Department of Geological Sciences, Virginia Polytechnic Institute and State University, Blacksburg.

WASHINGTON: Robert S. Crosson, Geophysics Program, University of Washington, Seattle.

Acknowledgment is also given to B. B. Poppe for compiling the isoseismal maps and to P. A. Covington for handling the "Earthquake Report" questionnaires.

REFERENCES CITED

Bath, Markus, 1966, Earthquake energy and magnitude, in Physics and chemistry of the Earth, Volume 7: Oxford and New York, Pergamon Press, p. 115-165.

Gutenberg, B. and Richter, C. F., 1956, Magnitude and energy of earthquakes: Annali di Geofisica, v. 9, no. 1, p. 1-15.

Nuttli, O. W., 1973, Seismic wave attenuation and magnitude relations for eastern North America: Jour. Geophys. Research, v. 78, no. 5, p. 876-885.

Richter, C. F., 1958, Elementary seismology: San Francisco, Calif., W. H. Freeman and Co., Inc., 768 p.

☆U.S. GOVERNMENT PRINTING OFFICE 1977–777-034/41