

## Additional Resources

Carder, D.S. (n.d.). *Supplement to report on the Helena earthquakes with special emphasis on the earthquake of October 31, 1935*. Unpublished report for the U.S. Coast and Geodetic Survey.

Info Categories: E, G, I, P, S

“Earthquakes: Terrors of nature” (10 November 1935). *Montana Standard*.

Info Categories: S

Engle, H.M. (1936). The Montana earthquakes of October 1935: Structural lessons, *Bulletin of the Seismological Society of America*, vol. 26, no. 2, p. 99-109.

Info Categories: B, E

Lupien, J.E. (1936). The earthquakes of 1935 and the Helena, Montana, water system, *Journal of the American Water Works Association*, vol. 28, no. 7, p. 908-911.

Info Categories: G, L, N

Miller, R.D. (1936). Tombstones give clues to earthquake danger zones, *Popular Science*, vol. 128, no. 4, p. 38.

Info Categories: G, N

“Power block earthquake reconstruction” (18 January 1936). *Montana Record-Herald*.

Info Categories: B, R

Qamar, A.I. and M.C. Stickney (1983). Montana earthquakes, 1869-1979: Historical seismicity and earthquake hazard, in *Montana Bureau of Mines and Geology, Memoir 51*, 79 pp.

Info Categories: A, B, E, G, I, N, P, R

“Reason to remodel, earthquakes changed Helena's Victorian face” (29 October 1995). *The Independent Record*.

Info Categories: B

Scott, H.W. (1936). The Montana Earthquakes of 1935, in *Montana Bureau of Mines and Geology, Memoir 16*, 47 pp.

Info Categories: B, G, R

Stover, C.W. and J.L. Coffman (1993). Earthquakes in Montana, in *Seismicity of the United States, 1568-1989 (Revised)*, U.S. Geological Survey Professional Paper 1527, p. 267-278.

Info Categories: B, G, I, P

“The QUAKEs of '35 (60 years ago this month)” (29 October 1995). *The Independent Record*.

Info Categories: A, B, E, P

Ulrich, F.P. (n.d.). *Report on Helena earthquake*. Unpublished report for the U.S. Coast and Geodetic Survey.

Info Categories: B, G

Ulrich, F.P. (1936). Helena earthquakes, *Bulletin of the Seismological Society of America*, vol. 26, no. 4, p. 323-339.

Info Categories: B, E, G, S

### **See also**

Neumann, F. (1937). The Helena, Mont., earthquakes of October and November 1935, in *United States Earthquakes 1935*, U.S. Department of Commerce, Coast and Geodetic Survey, p. 42-56.

## Information Categories

### **A -- Aid:**

provide medical services, shelter, donations, loans, advice, encouragement, implement safety measures

### **B -- Building Damage:**

structure itself plus windows and chimneys (typically damage visible from outside the building)

### **E -- Earthquake Description:**

where, when, duration, direction, sound, motion, number and timing of aftershocks

### **G -- Geologic Effects:**

changes at the Earth's surface, fault scarps, rockfalls, landslides, ground cracks, ground subsidence, sand boils, water spouts; effects on springs, lakes, wells

### **H -- Humor:**

### **I -- Impact:**

changes in daily routine; rumors; influx of reporters, politicians, cost in dollars

### **L -- Lifelines:**

effects on transportation: roads, bridges, railroads, airports

effects on communications: telephone, telegraph

effects on power, gas, water, and sewer lines

effects on dams

### **N -- Nonstructural Effects:**

effects on plaster, furnishings (typically damage or rearrangement of furnishings visible inside a building)

### **P -- People:**

effects on and responses to, during and after; deaths, injuries, near misses

### **R -- Recovery:**

clean up, rebuild

### **S -- Scientific:**

explanation of the day

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