

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU (SEISMOLOGY)

International  
Seismological  
Centre

Location of Seismograph — U. S. Government House, Agana, Guam, M. I.

Position of Seismograph — Latitude, North  $13^{\circ} - 28' - 20.3''$  Longitude East  $144^{\circ} - 44' - 55.9''$

Approximate elevation of recording drum — 15 feet above M. L. L. W.

Time used, Zone, Minus 10.

January 1931

Date of earthquake	21st.	25th.	29th.	29th.	29th.	
Time of beginning	4:40:00, <sup>A</sup> <sub>M</sub>	2:48:00, <sup>A</sup> <sub>M</sub>	7:24:40, <sup>A</sup> <sub>M</sub>	9:24:50, <sup>A</sup> <sub>M</sub>	10:37:50, <sup>A</sup> <sub>M</sub>	
What doing	Lying down	Lying down	Standing		Standing	
Onset of shocks	Abrupt	Rapid	Gradual		Abrupt	
Nature of shocks	Trembling	Bumping	Twisting		Trembling	
Intensity	3	4	6		3	
Number of shocks	2	1	1		1	
Duration of each	1st. 2 min. 2nd. 30 sec.	4 min.	5 min.		2 min.	
Direction of vibration	E-W	N-S	E-W	E-W	E-W	
Sounds	Yes	Yes	Yes	None	Yes	
Felt by	Many	Many	Many	None	Many	

Name of observer

W. W. Rowley

Address of observer

Naval Station, Guam.

REMARKS

Jan. 21st. Instrument out of order

Jan. 25th. Instrument out of order

Jan. 29th. The pens were dislocated and the duration of the shock has been estimated.

EARTHQUAKE INTENSITIES (Adapted Rossi-Forel.)

1. Felt only by an experienced observer, very faint.
2. Felt by a few persons at rest, faint.
3. Direction or duration appreciable, weak.
4. Felt by persons walking. Doors, etc., moved.
5. Felt by nearly everyone. Furniture moved.

6. Bells rung, pendulum clocks stopped. Alarm.
7. Fall of plaster, slight damage. Scare.
8. Fall of chimneys, walls cracked. Fright.
9. Some houses partly or wholly wrecked. Terror.
10. Buildings ruined, ground cracked. Panic.