

TABLE 2.—Instrumental seismological reports, October, 1920—Contd.

Date.	Char-acter.	Phase.	Time.	Period T.	Amplitude.		Dis-tance.	Remarks.
					A _m	A _n		
CANADA. Dominion Meteorological Service, Victoria.								
1920.			H. m. s.	Sec.	μ	μ	Km.	
Oct. 1	P.		19 10 10				1,400	Probably Alaska.
	M.		19 12 37		*1,000			
	F.		19 21 28					
5	L.		19 10 51					Pender Island re-
	M.		19 12 49		*400			ported quake a
	F.		19 17 15					12:35 p. m. Pacif-
7	P?		21 06 18				8,300?	Stand. Time.
	S.		21 15 53					
	L.		21 29 10					
	M.		21 34 05		*500			
	F.		22 35 27					
8	S?		17 07 47					
	L?		17 12 17					
	L.		17 14 29					
	M.		17 17 05		*300			
	F.		17 37 23					
12	P.		7 43 56					
	L.		7 47 23					
	M.		7 53 46		*200			
	F.		7 58 41					
15	L.		14 56 12					
	M.		14 58 40		*500			
	F.		15 07 02					
18	P.		8 15 58					
	S.		8 21 02					
	L.		8 28 25					
	M.		8 36 46		*1,000		3,170	
	F.		10 03 20					
18	P.		12 14 00					
	M.		12 15 14		*200			
	F.		12 17 27					
18	P.		12 52 20				450	Merged into ne...
	M.		12 53 19		*500			quake.
				VERTI-				
	P.		12 53 10	2			520	
	L.		12 54 25	7				
	M.		12 54 25	10		3		
	F.		12 57 00					
18	P.		13 01 12				660	
	M.		13 02 43		*1,000			
	F.		13 12 01					
				VERTI-				
	P.		13 02 00	2.5			840	
	L.		13 04 00	5				
	M.		13 04 15	7				
	F.		13 14 00					
20	P.		10 43 12					
	M.		11 00 25		*200			
	F.		11 33 22					
22	S or L.		12 33 00					
	eL.		12 48 10					
	M.		12 57 35		*500			
	F.		13 43 20					
23								Clock stopped.
26	P.		19 30 29					
	L.		19 31 58					
	M.		19 33 28		*200			
	F.		19 34 25					
28	L.		7 36 31					
	M.		7 44 23		*400			
	F.		8 29 38					
28	P?		13 05 06?					
			or 08 03					
	S or L.		13 12 58					Press dispatches
	eL.		13 13 08					say 900 miles
	M.		13 13 57		*500			from La Plata.
	eL.		13 20 40					
28	P.		13 31 39					
	L.		13 35 35					
	M.		13 40 01		*1,100			
	F.		15 20 50					

*Trace amplitude.

SEISMOLOGICAL DISPATCHES.

[Collected by Earthquake Station, Georgetown University, Wash-
ington, D. C.]

Clarmont-Ferrant, France, October 4.—An earth shock was felt this morning in the vicinity of Issoire, Depart-
ment of Puy-de-Dome. The tremors lasted only a few
seconds and no damage was reported.—*Associated Press.*

London, October 8.—Two violent earth tremors were
felt in Mantua, Northern Italy, at midnight Wednesday,
according to a telegram to the Rome Epoca, says a Cen-
tral News dispatch from Rome, dated Thursday. The
inhabitants fled into the streets in alarm. The message
reported some property damage had been caused.—
Associated Press.

Mexico City, October 9.—Reports received here of an
earthquake yesterday in Northwestern Vera Cruz say
there were no casualties.—*Associated Press.*

Vera Cruz, October 9.—Northwestern sections of the
State of Vera Cruz were severely shaken by an earth-
quake at 10:30 o'clock yesterday morning. The regions
of Cordoba, Jalapa, Teccele, Cosautlan and the entire
district which was visited by the earthquake disaster of
last January felt the full strength of the shock. No
casualties had been reported, but property damage was
said to be heavy.—*Associated Press.*

Manila, P. I. October 10.—A severe earthquake to-day
at Baguig, capital of Bengust, Province of Yuzon, about
150 miles north of here, damaged the observatory there,
broke water mains on the military reservation and
cracked a number of concrete walls. A landslide oc-
curred as a result of high water in the river at Baguig.
No loss of life was reported. The shock was felt slightly
in Manila.—*Associated Press.*

Toulouse, France, October 20.—Earthquake shocks
were felt yesterday in several places in the Hautes Pyren-
nese Department.—*Associated Press.*

Granada, Spain, October 23.—An earthquake shock
lasting 10 minutes was felt at 6 o'clock Friday evening
throughout the Province. Damage was done in some
villages, but it has not been ascertained as yet whether
there were any casualties.—*Associated Press.*

Redding, Calif., October 27.—Lassen Peak was in pro-
nounced eruption to-day. For more than half an hour,
beginning at 2:40 p. m., black smoke rolled out of the
northern part of the crater. To-day's eruption was the
second outpouring in less than a week. A substantial
outbreak occurred Saturday.—*Associated Press.*

Valparaiso, October 28.—Violent earthquake shocks
with a vertical movement shook the Provinces of Ata-
cama and Coquimbo, north of this city, at 8:05 o'clock
this morning, the tremors lasting 2½ minutes. The
cities of Copiape and Valanar, in the Province of Ata-
cama, were most seriously shaken, old structures in both
towns being damaged. Reports received here state no
one was injured during the earthquake.—*Associated
Press.*

NEWSPAPER CLIPPINGS.

[By the Associated Press.]

Washington, October 22.—An earthquake shock of con-
siderable intensity was recorded by the seismograph of the
Georgetown University at 7:19 o'clock this morning, con-
tinuing for nearly an hour. It is estimated that the center
of the disturbance was 4,300 miles from Washington.

Buenos Aires, October 28.—El seismografo de la Uni-
versidad de la Plata ha registrado un fuerte terremoto a
las 8.52 minutos. Se estima que el centro del disturbio
esta situado a 1,400 kilometros de distancia.

Reports for October, 1920, have not been received from
the following stations:

- ALASKA. U. S. C. & G. S. Magnetic Observatory, Sitka.
- ARIZONA. U. S. C. & G. S. Magnetic Observatory, Tucson.
- HAWAII. U. S. C. & G. S. Magnetic Observatory, Honolulu.
- KANSAS. University of Kansas, Lawrence.
- MARYLAND. U. S. C. & G. S. Magnetic Observatory, Cheltenham.
- MASSACHUSETTS. Harvard University, Cambridge.
- MISSOURI. St. Louis University, St. Louis.
- NEW YORK. Canisius College, Buffalo; Fordham University, New York.
- PORTO RICO. U. S. C. & G. S. Magnetic Observatory, Vieques.