

This ended my Morrisburg evidence, showing that of the many places from which I have reports, the quake was most severely felt at Iroquois and Morrisburg.

In my data collected at Iroquois last Friday, I forgot, I think, to mention that the phone operator there, after the quake was over, phoned to the station Wales, 22 miles to the west on the railway, "Did you feel the earthquake?" The reply was "No," so Iroquois said, "Well, look out, it's coming!"

The area with which we have to deal, lying north and south of the St. Lawrence, comprises formations almost wholly of the Cambro-Silurian period, and in which the Calceiferous and Trenton predominate, as shown on R. W. Ell's sheet No. 120 of the Geological Survey of Canada. The only fault lines shown are in the vicinity of Ottawa, and from the evidence obtained do not appear to play any part in the above quake. The total thickness of the formations from the Lorraine to the Potsdam sandstone is estimated at from 1,600 to 2,000 ft., of which about one third is occupied by the Trenton.

The area in which the earthquake was felt covers about 25,000 square miles, and is roughly an elongated figure running northwest-southeast, fully 200 miles long and its greatest width about 150 miles.

In the following is given a condensed statement of the answers received to the printed forms alluded to above:

Station.	Duration.	No. of shocks.	Nature of Shock.	Effect.	Sound.	Ground.
1 Archer.....	10 secs.	.....	Wave motion.	Windows and dishes rattled.	Rumbling.....	No rock.
2 Arnprior.....	3 "	1	Wave motion.	Windows rattled.....	Rumbling noise.	No rock.
3 Aultsville.....	50 "	1	Wave motion.	Windows rattled, rolling wave.	Rumbling noise from E.	Hilly.
4 Avonmore.....	15 "	1	Heavy rumble.	Windows and dishes rattled.	Rumbling sound.	Clay & sand, no rock.
5 Berwick.....	12-14 "	.....	Jerk.....	Windows rattled, bottles on shelf shook.	Like truck on plank platf'm.	Clay.
6 Brockville.....	30 "	1	Motion.....	Windows rattle.....	Like auto passing.	Rock.
7 Burritt Rapids.....	Several, say 20, secs.	1	Wave motion.	Windows rattled.....	W to E.....	Clay, no rock.
8 Canton, N.Y.....	10-20 secs.	1 max. 2 min.	Horiz. rolling..	Windows rattle.....	Very little, not explosive.	Gneiss.
9 Cardinal.....	10 secs.	1	Wave motion.	Windows rattle.....	Rumbling, heavy waggon on frozen ground.	Sandy.
10 Carleton Place.....	2 or 3 secs.	1	Slight tremor..	Dishes rattle slightly.	Slight dull so'nd.	Soil, little rock.