

appearance from Edgar, Falkenburg, and Campbellville, as given previously.

The only real discrepancy remaining, in either time or direction in the reports on detonations, is from Oakville. The observer reports that the detonations came from the north, whereas the shock wave should have reached him from the southwest. Probably this observer was standing in the "sound shadow" of some building, or was indoors, so that an echo coming from the north was the first loud sound to reach him.

WIND DIRECTION FROM THE DETONATIONS

The dotted line on the accompanying map encloses the area within which practically all observers reported detonations, and outside of which only one reported detonations, an observer from Edgar. This is indicated by the small dotted circle north of the main area. There is a possibility that the noise heard at Edgar was not from the meteor, as a

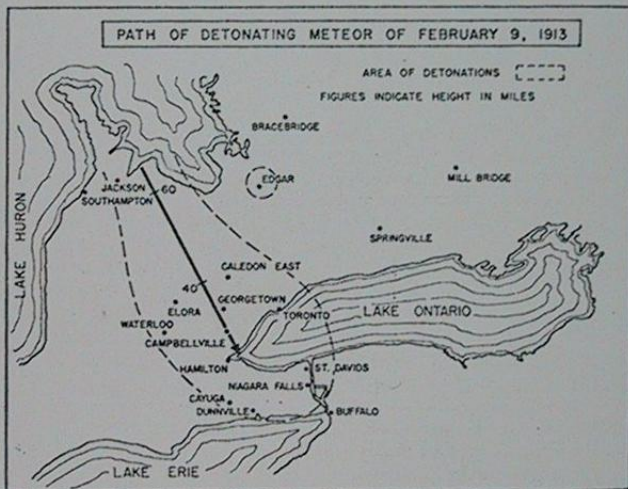


FIGURE 1

considerable number of observers nearer to the main area reported hearing no sound, and the detonations were not heard by the observer at Edgar who sent in the report. However, it is possible that the person who heard the roll of thunder was in open country, and in exceptionally favorable surroundings for hearing relatively faint detonations.

A casual inspection of the area within which the detonations attracted general attention shows that it is not symmetrical. It is distinctly to the east and south of the path of the meteor. Edgar is to the east of that

area so if that even more pro the meteor, no tario. We, the Meteorological Patterson repl from northwe winds were no This accounts normal for a

Estimates seconds up to the observer's ration of the velocity with miles per second for atmospheric speed 20 seconds impossible. the detonations responding to preliminary figures more exact v

It was as the same radi meteor. The lows: With (ond), the alti for zenith att sion and de directed radian the time of t value of the tude and azir These coord sion and de Arbor meteor the detonatir Arbor meteo

The work 9.5 miles per circle by som velocity was