

display was described as "a northern horizon for several toward the east, and when semple sparks thrown from a Press, the end of the world reaction to the awe-inspiring are correctly dated and are

obtained from the intensively In the Petoskey-Boyne City 110 miles ESE), 2 comet-like uary 9; the Petoskey News "one was following directly ke of the last one were nu- witnesses have been found, one recalls seeing only one , heading kind of southeast mbers "a lot of them racing eteors were certainly fright- out it at the time." ity, fairly detailed observa- "There may have been any- with trails of sparklike fire, g from a point low in the ear across the heavens until awe-inspiring display con- ther Bureau at Alpena gave

ric shower observed during 8.30 PM (Central Standard eteors, one following the northwest and passed over e off a faint reddish trail of arranged, appeared in the the same direction. Follow- thwest a number of single a west to east."

typographical error in the ds the very significant fact course were noted. Altho at from other data, this is ert it definitely.

other observations within l town 100 miles SSW of

Alpena (and about the same distance SSE of Boyne City), "a shower of meteors was seen passing overhead and moving southeast at 8 o'clock Sunday night." Thirty (30) miles farther to the SSW, the Mount Pleasant Times tells of "a brilliant display of 2 large meteors with long tails, coming from the northwest and going southeast. After the flight of the meteors a dozen or more smaller stars followed them thru the sky. This fiery display lighted up the heavens for a minute or more. The papers make account of probably the same phenomenon as it appeared in other parts of the state." The time is given here as 8:10 PM, and the phenomenon seen is recognizably identical with that described at Petoskey. Four (4) other observations clearly refer to these 2 conspicuous bodies. In the Bay City-Saginaw region, 40 miles east of Mount Pleasant (at the head of Saginaw Bay), "one of the most remarkable meteoric phenomena ever witnessed here was reported from many sources. . . . The first meteor, appearing like a ball of fire, passed from the northwest to the southeast, and with its tail of fire was visible until it apparently had reached the horizon. It was followed, at an interval, by a second, altho not of such proportions. The stars, as they appeared to fall, diminished in brilliancy." (Bay City Tribune.) The Saginaw News says that "2 enormous meteors passed; . . . with their passage a shower of stars was seen to fall." Twenty-five (25) miles farther east, at Caro, "some say there were more than a dozen, while others saw only 2, but with long tails of fire, which to some eyes might appear in sections," and the spectacle is likened to "fiery trains of cars shooting thru the heavens" — the same sort of simile that occurred to Canadian observers of the fireball procession. Forty (40) miles south of the Caro-Bay City line, the Flint Journal mentions only a single bolide: "It was exactly at 8:05 PM; . . . those who saw the display say the meteor rose out of the northern sky and sailed thru space toward the east, finally breaking into about 50 pieces like the explosion of a skyrocket." About 80 miles southeast of Caro and Flint are the towns of extreme-southern Ontario (Windsor, Dresden, &c.), where observations were obtained in 1913 by Chant; thus, the Michigan observations unquestionably link up with those of the Toronto area, and we have a continuous chain of observations spaced not more than 120 miles apart, all describing something of a processional nature traveling southeastward, from the Keweenaw Peninsula to Ontario.

The display was seen also by the Weather Bureau at East Lansing, and this datum and that at Houghton are the only two to offer quantitative information. The record may be quoted substantially in full:

"At 8:09 PM, a number of meteors, probably 15 or 20 in all, crossed the sky about 30° above the northern horizon. The first one seen was a small cluster, such as is seen when a skyrocket bursts; the