

FIREBALL REPORT

Persons observing a fireball or meteor should report the information to the American Meteor Society. The information desired is summarized below.

A very desirable observer is detailed in a report to have passed in your vicinity on . . . at the hour of . . . Will you please endeavor to supply as precisely the following questions which are asked in behalf of the American Meteor Society in order that permanent records of such phenomena may be obtained. Much finer reports are published each month than whose report is fairly complete will be desired, if reliable your name and address.

possible, and that might prove, it is only by the help of those who can give personal information that data can be obtained for the composition of the bodies of meteors. These data can be of great scientific value and all reasonable efforts should be made to obtain them. You will be unable, probably, to answer all questions before, but however little and rare, are they may be of the greatest importance.

- (1) Where were you when you saw the meteor? (2) At the time it was seen, were you exactly up, well, or
- (3) Give the date, hour and minute when the meteor appeared, also kind of time used.
- (4) In what direction did it appear to be of what direction was it first seen? (5) Did it seem to be in the direction it was going?
- (6) In what direction did it disappear? In what direction was it last seen? For questions 4 and 5, consider N. E. S. or W. as far accurate enough, unless there were the exact directions. If compass is used, state it also if magnetic variation has been applied to compass readings.
- (7) At what height did it appear? (7a) Degrees in ascending?
- (7b) At what height did it disappear? (7c) Degrees in descending?
- (8) Did it pass directly overhead? (8a) Through the zenith?
- (9) If not, to which side of the zenith did it go, and how far from it? (9a) Degrees in ascending?
- (10) Did it appear to reach the horizon? (What sort of a horizon best seen?)
- (11) Approximate (12) the path of the meteor made with the horizon line in which direction was motion toward?
- (13) If you also facilities will contributions describe the path of the meteor through the sky with reference to stars.
- (14) Describe meteor's appearance to complete?
- (15) What was the duration of the light in seconds?
- (16) Describe trail from if one was left. If it lasted long enough to show trail, most carefully tell in what direction from zenith. Give position, if possible, showing that with respect to horizon.
- (17) What was the duration of the train in seconds?
- (18) Did you hear any sound? (18a) How long after seeing the meteor was it before you heard this sound?
- (19) Did you hear any explosion? (19a) How long after seeing the explosion was it before you heard it?
- (20) Of what color was the meteor?
- (21) What was the size of the meteor? (Compare it with the Moon or with a planet or star.)
- (22) Was there than one body seen before the explosion (if any)?
- (23) What was condition of sky at time?
- (24) Give names and addresses of others who saw the meteor.
- (25) Please mail this reply to

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