

Meteorite hazards and meteorite impact in Peru

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The present study is summarized as follows:

- 1) Meteorite impact is merit for terrestrial resources and chang of the Earth. Meteorite hazard of destructive is not only at meteorite crater and geological boundary formations in older ages, but also present life-time as hits to peoples and dogs as well as hits to house and cars.
- 2) Carancas meteorite falled in Peru (September 2007), shows health problem for peoples around the crater formation, especially for strange smells though detailed reports are not known so far.
- 3) Four samples sent by Peru' National Institute are observed by author with electron microanalyses. Two types of textures of flake with chlorine and needle-textures with chlorine and sulfur to indicate normal explosion in atmosphere and water-vapour explosion during excavation with cold ground water.
- 4) The present result indicates two types of explosion textures with special textures with cold ground water, which is first case of meteorite hazard, though there is other element cause in ground water.
- 5)Although cause of health problem of meteorite impact is not known, special these textures with explosion formation are considered to be cause for it.