

U. S. NAVY ELECTRONICS LABORATORY

SAN DIEGO 52, CALIFORNIA

14 December 1959

IN REPLY REFER TO:

Code 2207

Air Mail

Mr. Oscar E. Monig
1010 Morningside Drive
Fort Worth 4, Texas

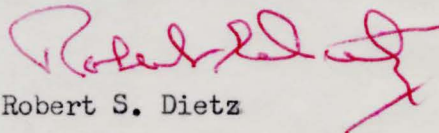
Dear Mr. Monig:

Thank you for your comments on my paper. I have submitted a paper to Science concerning the shatter cones I have found at Sierra Madera. Subsequently, I have discovered them at two more localities in the eastern USA.

I do not know the Solitario Structure except in a very vague way. I presume that it is not of meteoritic origin, as the only such indication I know of is that it is generally circular. I would recommend, however, that there, as elsewhere, a careful search be made for shatter cones, as I believe this is a definitive criterion and one which is easy to discover. If they are found there or elsewhere, I would appreciate knowing about it.

It is even more important to discover these shatter cones in connection with recent impacts where the meteorite has struck at a hypervelocity. I would appreciate your keeping this in mind in connection with your extensive knowledge regarding recent meteorite falls and meteor craters. I have looked at both Odessa and the Arizona craters without discovering them, but my search has been rather cursory.

Cordially,



Robert S. Dietz

P. S. Re above, the missile would have to strike at a hyper velocity to form shatter cones -- low velocity impact would not do it.

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