



THE UNIVERSITY OF TEXAS AT AUSTIN  
BUREAU OF ECONOMIC GEOLOGY  
AUSTIN, TEXAS 78712

University Station, Box X  
Phone 512—471-1534

December 13, 1972

Mr. Oscar Monnig  
29 Chelsea Drive  
Fort Worth, Texas 76134

Dear Oscar:

I have your letter of December 10 commenting on the Charlevoix structure. I believe your information is probably correct about shatter cones first being recognized in material collected from the area rather than on the site. As to who did the identification, I haven't the slightest idea.

At the time Rondot wrote the booklet for the International Geological Congress, which was probably before your trip, there was still considerable skepticism about impact structures.

I have read several articles by Snyder and possibly by Gerdemann, but I don't recall exactly which publications I have read. However, several years ago, I joined a trip led by Snyder and others examining the crypto-explosion structures in Missouri. It was a very good trip and I have forgotten whether or not there was a GSA guidebook covering it. It would seem to me that you would need fairly detailed instructions to get to the critical outcrops.

Lineaments have been with us for a long time, but they are getting a much greater workout now that sea floor spreading and continental drift are currently popular.

Curtis Tunnell is State Archeologist and the mail address you have for him is correct. The Archeological Laboratory of the Historical Survey Committee is located at 111 East 19th. The phone number is 512-475-2143. If he didn't answer your previous letter, your best bet is probably to phone. I wish you luck in finding out more about this specimen.

Milla joins me in sending best wishes for Christmas and the New Year.

Sincerely,

A handwritten signature in blue ink that reads "Virgil".

VIRGIL E. BARNES  
Research Scientist

VEB:kk