

1982, Nov 18

Mr. C. F. Lewis:
Center for Meteorite Studies,
Arizona State University
Tempe, AZ 85291

Dear Mr. Lewis:

Thank you for the photographs of the cut areas of the Bells and the Crescent stones and for the twenty thin section pictures of these two. These are very beautifully done and I am grateful. WE have had three picture shows with my friends Robert Brown and Donald Bubar, who are life long friends that have assisted my efforts. Brown was the man who recovered the Crescent within 5 days of the fall and he was in on the first Bells find, which we found in two weeks. It had been kept perfectly dry as it was retrieved the morning after.

Frederiksson had once made the off hand comment that some of the white particles visible to the naked eye were probably shattered olivine inclusions. Up to now, with my hampered eyesight, I cannot make any satisfactory connection. I am rather assuming some of the inclusions with the parallel bars are olivine.

Thanks for identifying the troilite on some of the slides. I have not been able to see any included metallic material, and assume since it would not transmit light it cannot be seen.. In fact, I once thought that the carbonaceous chondrites contained no metal in free form.

I assume we shall eventually get identifications from some of the students who study the thin sections, when Carleton makes up his mind to them to lend them. Tell him other considerations being equal, I would like to favor Ed Elsemer at Field.

I could readily identify only one rimmed chondrule and was surprised at the shattered and disorganized condition of most. I had some impression that Crescent contained more broken background material ("matrix", I think the proper term).

Well Carleton I would still like to hear about the organic materials (amino acids) analysis.

Sincerely,