

ARIZONA STATE
UNIVERSITY

TEMPE, ARIZONA 85281

CENTER FOR METEORITE STUDIES

January 14, 1983

Mr. Oscar E. Monnig
29 Chelsea Drive
Fort Worth, TX 76134

Dear Oscar:

This note is to bring you up-to-date on the Bells and Crescent activities.

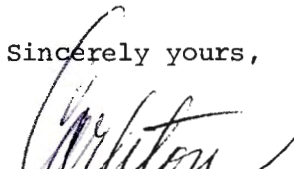
I talked with Ed Olsen on the phone and he will be happy to take a first look at the thin sections. A thin section of each has been sent to him. I have also written to Kurt Fredriksson about the ultra thin sections. We will see what is needed to get these made.

The following is taken from a report John Cronin sent to NASA. "Preliminary amino acid analyses were carried out on extracts of powders obtained when the stones were cut. The extracts contained biological contaminants but also characteristic indigenous amino acids such as isovaline, 2-amino-2-ethylbutanoic acid, and other non-biological C_6 α -aminoalkanoic acids. Total amino acids found were 350 mole g^{-1} (Crescent) and 150 mole g^{-1} (Bells)." What this means is that they are similar to other C2's. Crescent is more like Murchison and Murray and Bells like Nagoya. This work was done on the saw cuttings which we worked hard to keep clean.

John Wasson requested some meteorites to do neutron activation on. I offered him the cuttings but haven't heard back from him.

We will keep you posted as work continues. Best wishes for 1983.

Sincerely yours,



Carleton B. Moore
Director