

1973 Aug. 30

Mr. M. W. Rowe:
Dept. of Chemistry,
Texas A and M University
College Station, Tx. 77843

Dear Mr. Rowe:

Thank you for the reprint of your work on on magnetism
in some of the meteorites.

I'll plow my way thru it the best I can, which isn't easy
for me except the very simplest and most salient points.

In iron meteorites the troilite is always neatly segregated.
In the stones of the commoner classes it is perhaps pretty well
scattered thruout; I just don't remember offhand. But the magnetite
in the carbonaceous chondrites seems to be very thoroughly mixed in
scattered thruout the matrix. Was the troilite once that ubiquitous
or did the magnetite penetrate everywhere after it was formed?
Offhand, and knowing practically nothing about geochemistry, your
idea that the magnetite came from oxidation of the troilite appeals
to me.

Sincerely,

David R. Herring