

# AMERICAN METEORITE LABORATORY

DEVOTED TO EDUCATIONAL METEORITICS

P. O. BOX 2098 ♦ DENVER 1, COLORADO

GLENN I. HUSS, Director

H. H. NININGER, Consultant

March 25, 1965

Mr. Oscar E. Monnig  
29 Chelsea Drive  
Fort Worth, Texas 76115

Dear Mr. Monnig:

Congratulations on your new find!

The polished and etched halves of your two-pound, 6 ounce iron, cut along your mark, were mailed to you last evening via insured parcel post. I was not able to preserve the cuttings, but I think you will find little difficulty in removing material from any of the pieces for chemical work as this is very soft metal.

You will find the etched surfaces quite dark. This is not due to over-etching. Both pieces were etched once then re-polished and re-etched to obtain as little darkening as possible. The scratches which appear on the surface are from the etching brush, which is really quite soft, and indicate the softness of the metal as the surfaces were polished for micro-etching and showed no marks before etching.

The bright spots in the surface are evidently due to a difference in composition. They were visible on the pre-etched surfaces in a manner similar to water spots on the blade of a table knife. It would be very instructive to etch a larger surface as the larger part of this one may represent only a nodular area from within a mass of different structure.

The specimens have been well lacquered after thorough drying in alcohol but, judging from the periferal oxidation noted during the brief etching process, they may not keep too well.

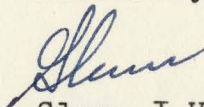
When you learn the percentage of nickel contained, I would appreciate hearing of it. I have never seen a structure quite like this one and its relation to the nickel-to-iron ratio will be interesting to learn.

Mr. Monnig

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Your Brenham end piece arrived on Friday. It is larger than I had imagined and will require a little more work than anticipated. I will try to get it done during the first part of next week and returned to you as soon as possible thereafter.

Sincerely,



Glenn I Huss

P.S. Just received your card of March 23. Will be glad to cut the stone you mention for a piece of it if the college can see its way clear to let go of a little more or, for you at 25¢ per square inch plus fluid (usually isopropyl at \$2.15 per gallon) to take cutting oil out of the specimen. A specimen of that size shouldn't take over a gallon of alcohol to clean up. Let me know your decision.