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AMATEUR ASTRONOMY
Specializing in METEORITES

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Dear Glenn:

I enclose a check for the Nazareth specimen. I know you have a lot of other things to do besides writing me but I do have two questions when you get the time:

1. Did the cracks show on the exterior of the iron when you got it, i. e., before it was cut? I assume they had been more or less filled in by oxidized material at the edges but it is hard to tell from just the slice.

2. So far as you know, what was the state of this iron when it was found as to oxidation in general? slight, moderate or severe? I always have figured in mind this would be a function of three things: the amount of nickel in the iron, the water and drainage conditions where it fell and the amount of lawrencite present--whether inherent or in the terrestrial water as Von Buchwald now argues (I can't go for that entirely).

It is a matter of no great importance but I want to correct a weight I gave on the "Hawkins" meteorite at Waco; my store parcel post scales needed adjusting and I find the weight is about a pound more than I told you, near 11 pounds 12 oz. The density is close to 3.62 so it seems probable without cutting that it is an ordinary chondrite, as this is a fair average figure.

You mentioned a "Barwise" stone with which you compared this to some extent. I cannot find Barwise in any atlas; would you mind telling me where this is?

Sincerely,