

AMERICAN METEORITE LABORATORY

DEVOTED TO EDUCATIONAL METEORITICS

P. O. BOX 2098 * DENVER I, COLORADO

GLENN I HUSS, Director

80201

H. H. NININGER, Consultant

April 26, 1965

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

Dear Mr. Monnig:

The meteorite shipped by Pan-American College at Edinburg has arrived in good condition.

It is a rather old stone weighing 42.25 pounds. There appears to be a slight **tendency** toward orientation on one side but it is not marked enough to be of importance. The stone rests naturally on one somewhat flat surface which is encrusted with calcite.

One end of the stone has become detached, possibly late in flight, providing a natural, nearly flat area from which a slice can be taken without first removing an extensive end piece. This surface is slightly concave, the center being about 8mm below the highest point of the edges. It measures about 17.5 x 18.5 cm. at its greatest dimensions. When the meteorite rests on its flattest surface with the calcite-covered side down, this nearly flat surface is tilted to about $27\frac{1}{2}^{\circ}$ from the vertical. This end appears to be the most natural place from which to remove a slice.

When you select the place where the section should be removed, please advise the desired thickness of the section to be taken.

The only Texas meteorites which I have from which a comparable slice could be offered would be either:

#H13.4 Seminole, Texas - slice 9.5 x 14.5 cm., 258.3 grams 1.87 gm/cm^2
#H15.4 Brownfield, Texas - slice 12 x 14 cm., 311 grams 1.75 gm/cm^2

Seminole is a well preserved olivine bronzite chondrite which was found some years ago but reported after the daylight fireball of October 12, 1963. We should have a description of it ready before too long.

17.5	323
18.5	1.75
<hr/>	<hr/>
875	1615
1400	2241
175	323
<hr/>	<hr/>
323.75	563.25 gms?

Mr. Monnig

page 2

Brownfield is the fall turned up by Dr. Nininger in 1937.
A second stone came to light last year.

Sincerely,

Glenn I Huss
Glenn I Huss *GH*

GIH:mah

1 cc should weigh 3.6 gm

Huss' piece weighs about 1.8 gm/cm²

They are about 0.5 cm thick.

or about 0.8 + 20% less area than computed.