

METEORIC IRON FROM NEW MEXICO.*

BY L. G. EAKINS.

This meteorite was found in the vicinity of Albuquerque, New Mexico, and sent as silver bullion to Mr. Richard Pearce, who brought it before the notice of the Society at the meeting in October, 1884.

It is a mass originally of somewhat triangular shape, about 120 mm. long, 80-100 mm. wide, with an approximately uniform thickness of 45 mm.

Before being cut and bored its weight was about 2.5 kilogram. When found it was covered with a thin oxidation coating.

The iron composing this meteorite is exceedingly tough and free from cavities, and on a polished surface shows very well defined Widmanstaetten figures.

The analysis is as follows:

Fe	88.760†
Ni	9.860
Co	.510
Cu	.034
Zn	.030
Mn	tr
P	.182
S	.012
Si	.044
C	Undeterm.

99.432

This may be taken as representing the following constitution :

Nickeliferous iron.	98.224
Troilite (FeS)	.033
Schreibersite (Ni ₉ Fe ₄ P)	1.175

99.432

*See remarks by Whitman Cross, at December meeting, p. .

—†Mean of three. 88.660
88.770
88.840