

Floydada

History

Sample from R.F. Stevenson, County Surveyor

Found by C.L. Bradford a few months prior to July, 1938 in his pasture (**coords.??**). Because the iron was found near a "junk pile", it is possible that the meteorite had been dumped there by an earlier tenant.

The main mass weighed 27.5 lbs = 12.5 kg

Found 10 miles SE of Floydada in flat, open country

Apparently not found in 1912, as listed in the catalog and cited by A.D. Nininger (Pop. Astron., 1939, 47, 212)

Oscar got a sample by Nov., 38, but apparently samples also sent to Nininger (21 g at ASU)

Oscar bought the sample between July and Nov., 1938, from R.F. Stevenson

TCU Sample M28.1 (main mass) 12.24 kg; M28.2 is 116 gram end piece

Nininger Collection of Meteorites, pg. 52

Barnes - Catalog of Texas Meteorites

Seen by Ed Henderson (pers. comm., 1939)

Buchwald (1975) Briefly noted, but not studied

Malvin et al. (1984) GCA IIB Iron

Sample from Huss

Hand Sample

The main mass is a relatively flat mass, with a shape approximating and equilateral triangle, with dimensions of ~28 cm on a side and about 7 cm in thickness. The mass shows little oxidation, which is surprising considering it is a find. Slices cut from the mass show deep fractures, which appear to parallel schreibersite lamellae. Several deep indentations are apparent, up to 3 cm in diameter, and these correlate with the locations of troilite inclusions on a cut surface.

Metallography

We have examined 10 slices of the meteorite. Troilite inclusions are ubiquitous, but not very abundant (a few % at most). These troilite inclusions range from round to elongate, with a maximum dimension of 4 cm. I have retained a 234 g slice for study.