Fuzzy Creek

History

Oscar's files contain virtually no information about the origin of the Fuzzy Creek meteorite. It was originally called Ballinger (b) or Ballinger (iron). Coordinates in the file (probably by R.G. Brown) are listed as 99° 54' 15" W, 31° 36' 40" N, although it the origin of these coordinates are unkown. Art will check to see what is at this locale. Interestingly, the original Ballinger (IIICD) also has a very uncertain origin, apparently having reached Nininger through sale from a Mr. Hart, mineralogist, Colorado. The meteorite was recognized as distinct by Huss, who removed ~75 g, providing some material to Wasson and keeping ~70 g, which eventually went to Vienna during sale of the Huss Collection.

Malvin et al. (1984) GCA IVA Iron without fine Widmanstatten structure
Sample from Huss

Hand Sample

2.63 kg main mass (sample M135.1) in TCU collection

The mass is flattened, with overall dimensions of 12.5 by 15 by 4 cm. The mass shows little rust, with some adhering caliche. One side is smooth with several large, shallow indentations. The other side is jagged with an overall "V" shape formed by a trough in the center of the mass. Several spherical holes up to 7 mm in diameter are present on the rough side. The overall appearance is suggestive of either breakup in the atmosphere or oriented flight, with the smooth side representing the original, well-formed fusion crust.

I examined the main mass of Fuzzy Creek (M135.1, 2.635 kg) in Dec., 94-Jan., 95. Prior to my examination, Glenn Huss had removed ~75 g and polished the surface on the main mass. The main mass measured ~12.5 x 15 x 4 cm. One side is quite smooth, with several large, but shallow, indentations, The other side is jagged and irregular, with numerous small, deep indentations, some measuring ~1 cm across. The jagged side has the overall appearance of a catcher's mitt, with the upper part divided into two "lobes". Between these lobes the surface has been only incompletely cleaned and numerous pieces of caliche remain. The overall appearance is suggestive of either breakup in the atmosphere or oriented flight, with the "smooth" side representing an original, well-formed fusion surface.

Metallography

I have retained one slice for study. Similar to Juromenha.