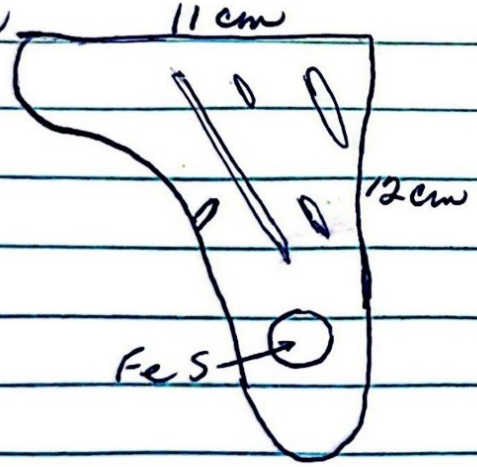
# Apoala

18.IV.66, USNM, Beautiful specimen, one big 2cm diameter troilite nodule, many long thick schreibersite inclusions, bands vary greatly in width, from ~0.2 to ~0.8 mm. One or 2 schreibersite inclusions have different orientation than others




~~13. Dec. 65,~~

~~small sample (~800g) from Leonard Coll. Kam band width appears to be about 1.3 mm, other~~ ← Apoala - pseudo

~~the object is Om, not Of. There are numerous small nodules. The~~

# Apoala – pseudo

Sample in Leonard collection labelled Apoala has a very indistinct Om structure, quite different from USNM and CNHM samples – see Apoala card.

13. Dec. 65. small sample (~ 30g) from Leonard Coll. Kam band width appears to be about 1.3 mm, thus the object is Om, not Of. There are numerous small rust-filled cracks. The Widmanstätten structure is very indistinct, and it appears that the sample has been reheated.

While in Washington, I noted that Mistecа, which is from the same general region of Mexico, is very similar to our sample. This would seem to be a possibility, that Nininger on a forage down South, thought that what he brought was Apoala, when it was really Mistecа

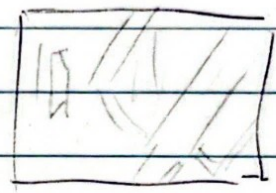
5 Sep 66. Sample observed again. Kam is polycrystalline, Kam band widths are 0.7 – 1.1 mm, thus Om – Of. Numerous banded plessite areas are to be seen ~ 10-15% of section.

# Aprelsky

# 737 IIIB-An ?

10.0 % Ni

octahedrite bw. say 0.7mm.
(though larger ~1 mm. bands visible)

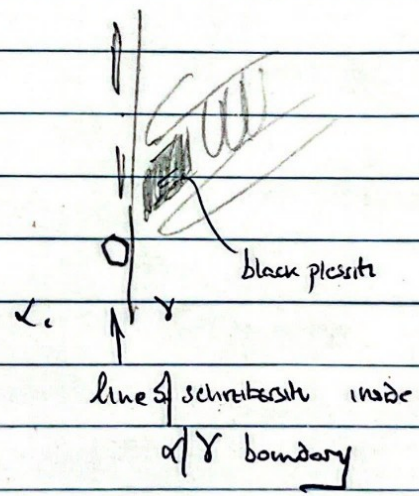



no large sch visible

shocked hatched kamacite

Ni ~ 9½ % (cf Bear Creek)
IIIB

corrosion very little



# Arabella



JTW 23XII09 Piece supplied is irregular trapezoid. It seems to be reasonably fresh, though the surface has a thin oxide layer. On the sawed face I see some grain boundaries indicating kam. lamellae thickness ~ 0.5 - 0.7, thus it seems to be Ow, as reported in the literature. There are some fine inclusions clustered together; I guess these are schreibersite. Total mass as received is 1.6 g. From J. Zipfel, Senckenberg Mus.

Argonia IN 911
0.23 g from ASU spec 458.2
Pallasite
use entire piece – INAA May 26, 1977

Rounded silicates
large amount of taenite, cloudy kamacite seen observed
Piece not large enough to determine Bw of kamacite.
A few .2mm schreibersite grains.
Plessite – very fine

Sample #2 from ASU spec 458.2 .22g

2nd INAA Feb 10, 1978