27 VI 88 DJM

Agua Blanca

A few large schreibersite crystals occur inside the kamacite bands. Bandwidth is roughly 1.0 - 1.3 mm.

CANYON DIABLO / CAP

Ahumada (Chihuahua, Mexico)

30 VII 68. 8,8 g sample from ASU. Pallasite. Kam areas (not really bands) outlined by schreib, all of which shows evidence of oxidation. Olivine is quite dark-black, even-. Olivine is mostly rounded with some flattish sides. It occupies ~ 60% of volume in this small section. Oxidation is serious, but not quite as bad as in Mount Vernon.

Ainsworth
group II AB

IN 129.

15 May 86: The polished and etched surface is 15 mm by 5 mm. Under microscope. Only mineral that can be observed is kamacite, with Neumann bands appearing in it.

Ainsworth (Nebraska, USA)

1 Aug 66. Four pieces weighing 21 g from USNM. One thin slab was etched on two large faces (~ 1.5 × 2 cm each) + side. The meteorite is odd. The kamacite appears to be all one single crystal. A very large undeprived inclusion (~ 2 mm thick lamella (seems to be schreib) 4 cm long before leaving section. There are many extremely small inclusions (?) in the kamacite, visible on both larger faces ∥ but not on ⊥ side face. These "rhabdites are all oriented in the same direction!! Oxidation from the crust inward is negligible, less than 0.65 mm.

2 Aug A picture of Ainsworth is on Plate 10, Merrill Bull USNM 149 (1930) shows a very coarse structure — seemingly even coarser than Mt Joy, but no scale bar is given.

Albin (Wyoming, USA)

30 VII 68. 6.0 g sample from ASU, 314.8. Pallasite. Shows very small, somewhat angular olivine fragments in addition to larger olivines which seem to be typically only ~ 0.4 cm across. The olivine & metal are not so well segregated as in typical pallasite. Some olivine very light colored - lt green - under the microscope. Largest metallic area ~1 × 0.5 cm, but includes several small olivine fragments. Oxidation light. Schreib difficult to identify - may be some inclusions 0.1 × 0.03 in metal. Quite a bit of silicate still in metal for chem analysis - next time use smaller pieces, look at under microscope.

IN 366 - INAA run#1 - 11 I 77

run#2 - 26 V 77 used last piece