Asarca Mexicana

2 II 70, USNM, no number yet, 7.1 g; Polished and etched (45 sec) two adjacent plains, total area ~ 4 cm²; average bandwidth of slightly swollen Widman. patterns is ~ 1 mm; several types of plessite: coarse crystalline, fine cryst., some with micro Widman. structure; some Schreibersite (or Cohenite?) inclusions; one thin crack containing Schreibersite; slight edge oxidation

$\gamma = 1 \pm 0.2$

Ashfork (Arizona, USA)

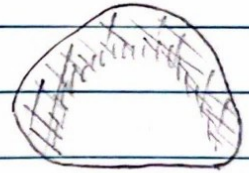
20 Aug 1967. Remnant (~ 5g) of sample from AMNH. Polished and etched 40 sec nital 2 sides ca. 1.5 cm². Clear structure reheating visible as mottled kamacite, but plessite is still very clear, as is schreib at grain boundaries. Kam bands ~ 1.7 - 1.9 mm, Og. Rhabdites in kam are distinct, as are some Neumann bands. Relatively fresh specimen. No cohenite, graphite, troilite recognizable. Schreib along grain boundaries. Plessite fine, taenite between boundaries is discontinuous.

the specimen is weathering komatiite ~ 2 3/4 mm wide, thus a large inclusion has been lost. There is a notch in it that contains a silicate assemblage.

Weathering is relatively minor. No heat altered zone.

Auburn (Alabama, USA)

II 70. Small (~ 1g) fragment (USNM 957), mounted in plastic, pol'd & etched by Buchwald. Area ~ 0.5cm². There seem to be two α-chrysotals: one central without any structure (see picture), the second surrounding the central shows many Neumann lines in several directions and contains some Schreibersite (?) inclusions (it could be Troilite because of absence of reflection). These inclusions are enriched on the boarder of the two crystals; size of inclusions less than 1mm in length. Slight oxydation (Magnetite?) at the surface.



Augustinovka (667)

(body) oxidised fragment