

INTRODUCTION: 64586 is coherent, dark gray, aphanitic impact melt (Fig. 1). It lacks both vesicles and zap pits and is partially glass coated. It is a rake sample from the rim of a subdued doublet crater on Stone Mountain.

PETROLOGY: Warner et al. (1973) include this rock in a general petrographic discussion of Apollo 16 rake samples. Abundant plagioclase clasts, often with diffuse boundaries, rest in a dark brown, glassy matrix that is faintly poikilitic (Fig. 2). Many tiny laths of plagioclase (<0.1 mm) are suspended in the matrix and often appear to be oriented due to flow. Spherules of Fe-metal are abundant and are often associated with schreibersite.

PROCESSING AND SUBDIVISIONS: In 1972 two chips were removed and one of these (,1) allocated to Phinney for thin sectioning and petrography.



FIGURE 1. Scale in mm. S-72-55339.

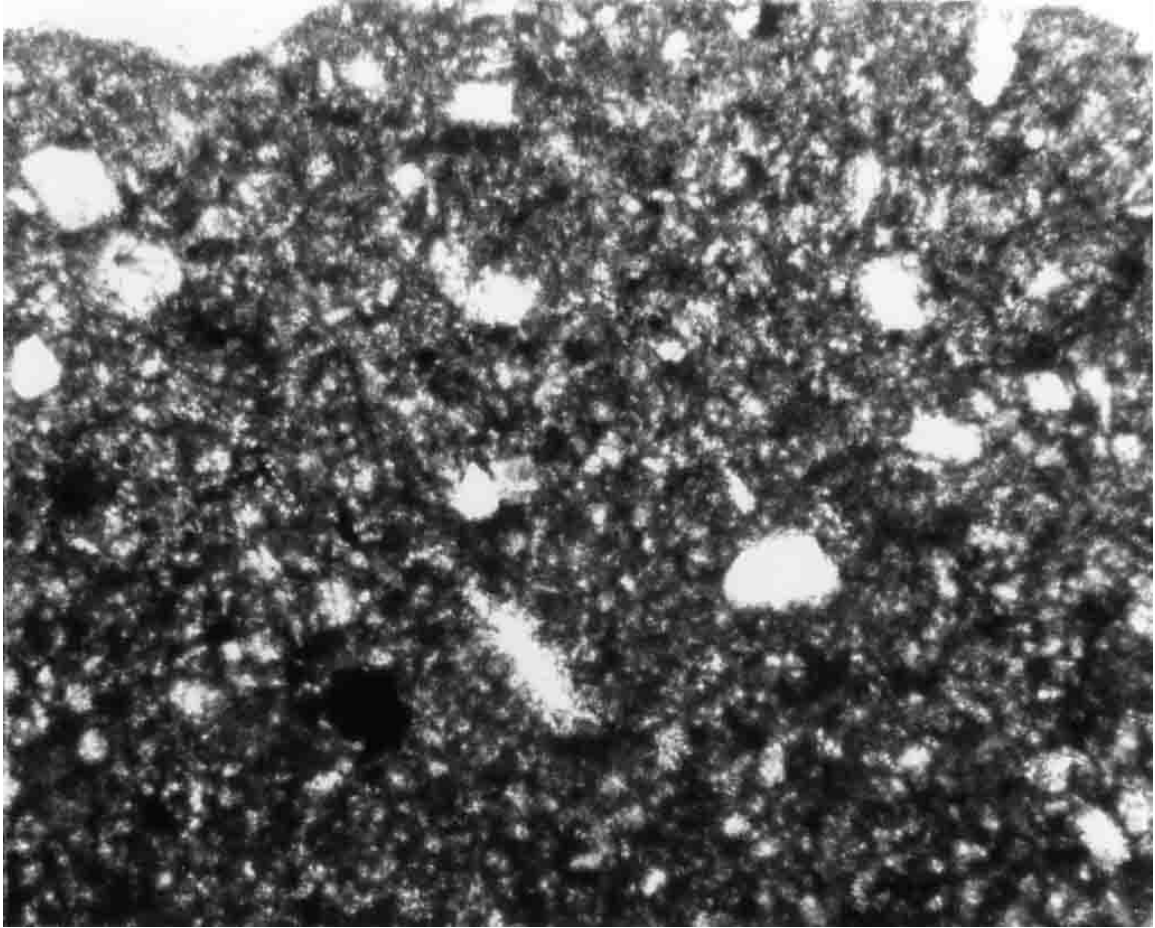


FIGURE 2. 64586,3, general view, ppl. Width 1 mm