

INTRODUCTION: 64577 is a coherent, medium gray, glassy breccia (Fig. 1). It is a rake sample from the rim of a subdued doublet crater on Stone Mountain. Zap pits are abundant on all surfaces.



FIGURE 1. Smallest scale division in mm. S-72-55362.

PETROLOGY: Warner et al. (1973) include this rock in a general petrographic discussion of Apollo 16 rake samples. Rare plagioclase clasts with diffuse boundaries rest in a heterogeneous matrix of small plagioclase laths and glassy mesostasis (Fig. 2). Portions of the matrix have crystallized to a faintly poikilitic texture.

PHYSICAL PROPERTIES: Pearce and Simonds (1974) report the results of a room temperature hysteresis curve determination on 64577. $\text{Fe}^0/\text{Fe}^{2+}$ is 0.0104 and total Fe^0 is 0.24 wt%.

PROCESSING AND SUBDIVISIONS: In 1972 three chips were removed and one of these (,1) allocated to Phinney for thin sectioning and petrography. The magnetic studies were done on the potted butt of ,1.

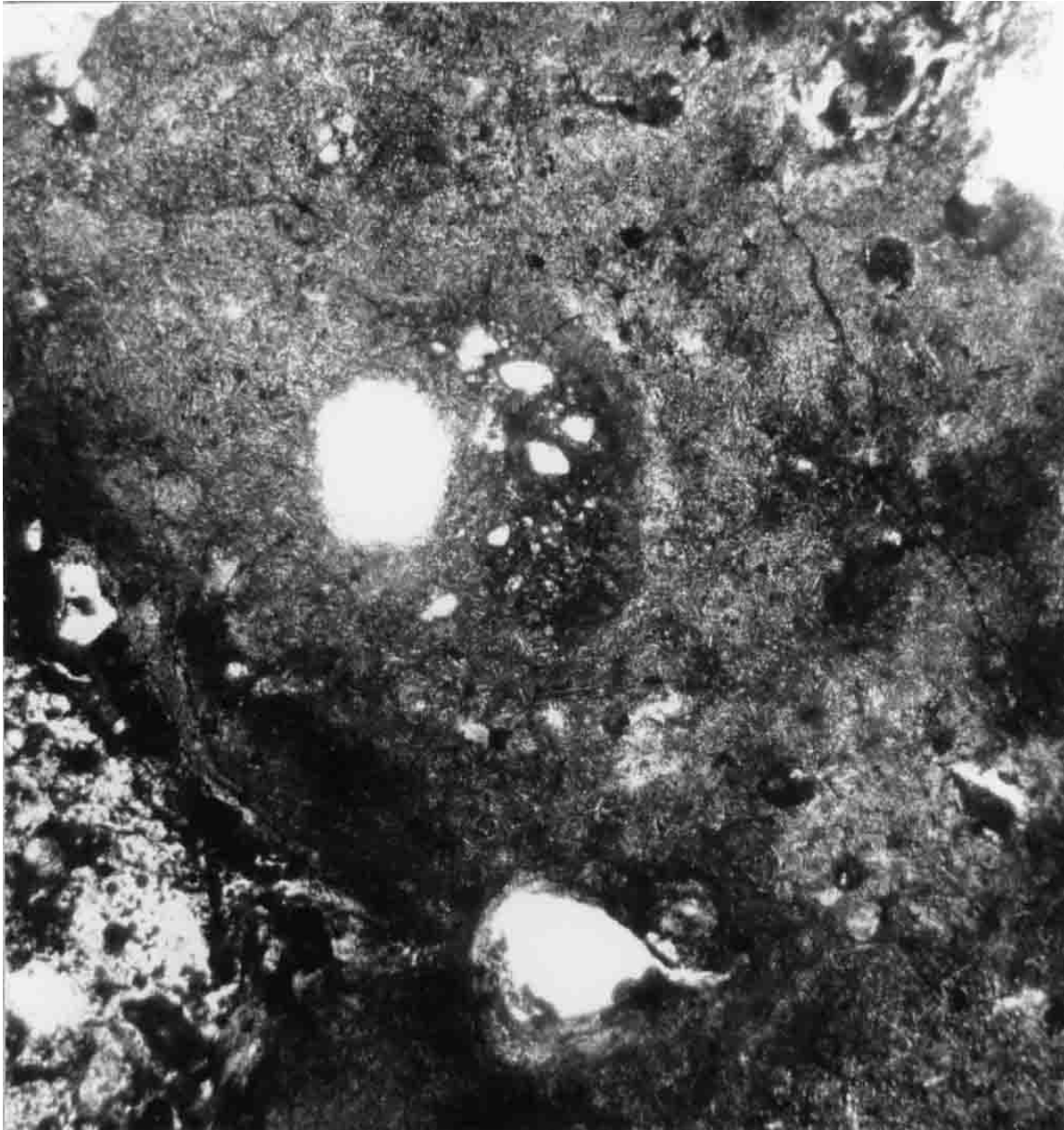


FIGURE 2. 64577,4, general view, ppl. Width 2 mm.