

INTRODUCTION: 64817 is a coherent, medium gray, basaltic impact melt (Fig. 1). It is a rake sample from the rim of a small, subdued crater on Stone Mountain. Zap pits and vesicles are rare.

PETROLOGY: Warner et al. (1973) include 64817 in a general petrographic discussion of Apollo 16 rake samples and provide mineral compositions. Anhedral pyroxene and, more rarely, glassy mesostasis fills interstices between narrow plagioclase laths (up to ~0.4 mm long, Fig. 2). Blocky plagioclase phenocrysts and shocked, irregularly shaped plagioclase clasts are occasionally present. Mineral compositions are shown in Figure 3.

PROCESSING AND SUBDIVISIONS: In 1972 a single chip (,1) was removed and allocated to Phinney for thin sectioning and petrography.



FIGURE 1. Scale division in mm. S-72-55327.



FIGURE 2. 64817,3, general view, ppl. Width 1 mm.

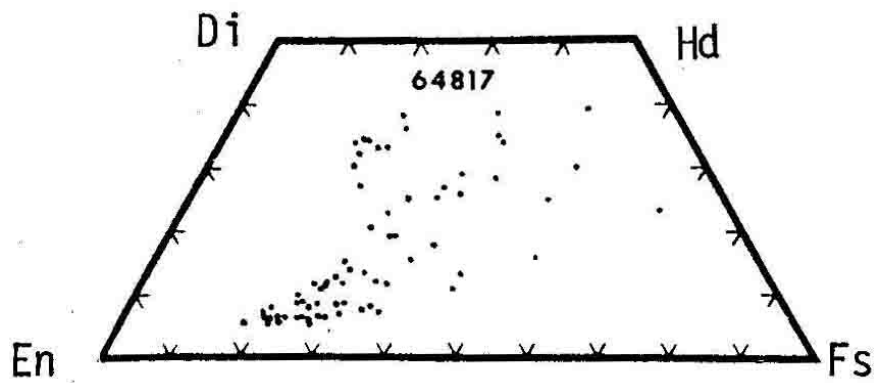


FIGURE 3. Pyroxene compositions, from Warner et al. (1973).