65715 FRAGMENTAL POLYMICT BRECCIA 31.4 g

INTRODUCTION: 65715 is a friable, light gray, clastic breccia with a diverse clast population (Fig. 1). It is a rake sample from the rim of a small, subdued crater on Stone Mountain. Zap pits are rare or absent.

PETROLOGY: 65715 is a polymict, clastic breccia with many different clast types in a porous matrix of finely comminuted mineral and glass fragments (Fig. 2). Lithic clasts include cataclastic and granoblastic anorthosite, basaltic impact melt, coarse-grained and fine-grained poikilitic impact melt, glassy breccia and annealed, granoblastic breccia (Fig. 2). Plagioclase dominates the mineral clast population with lesser amounts of mafic silicates, Fe-metal and ilmenite.

PROCESSING AND SUBDIVISIONS: In 1979 a bulk rock chip (,1) and several separated clasts (,2) were made into thin sections.

FIGURE 1. Aluminum cup bottoms are 2 inches in diameter. S-79-40517.

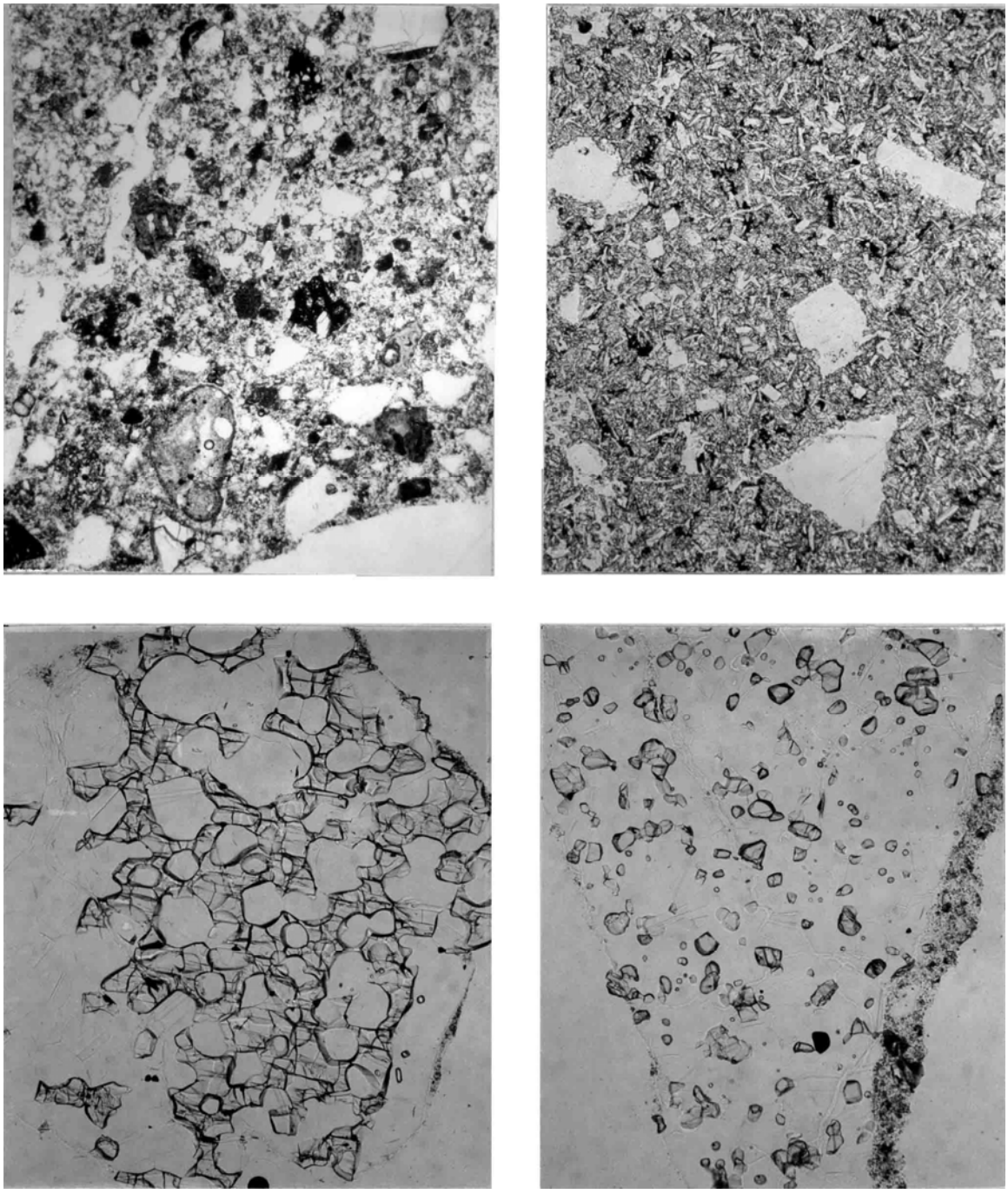

FIGURE 2.
a) 65715,5. General matrix, ppl. Width 2 mm.
b) 65715,7. Basaltic impact melt clast, ppl. Width 1 mm.
c) 65715,6. Poikiloblastic clast, ppl. Width 1 mm.
d) 65715,6. Granoblastic clast, ppl. Width 1 mm.