

INTRODUCTION: 63596 is a porous, coherent gray rock (Fig. 1) which is an impact melt with a fine-grained poikilitic texture. It is a rake sample with a few zap pits.

PETROLOGY: 63596 is an extremely vesicular and fine-grained poikilitic impact melt (Fig. 2). Small (~50 μm) oikocrysts of pyroxene (pigeonite?) enclose plagioclase crystals. Interoikocryst areas contain ilmenite with exsolved rutile. The melt contains numerous clasts most of which are plagioclase but one clast of granoblastic feldspathic impactite is present in thin section ,4.

PROCESSING AND SUBDIVISIONS: Two small chips (,1) were potted together and made into thin sections ,3 - ,5.



FIGURE 1. Aluminum cup bottom is 2 inches in diameter. S-72-42082.

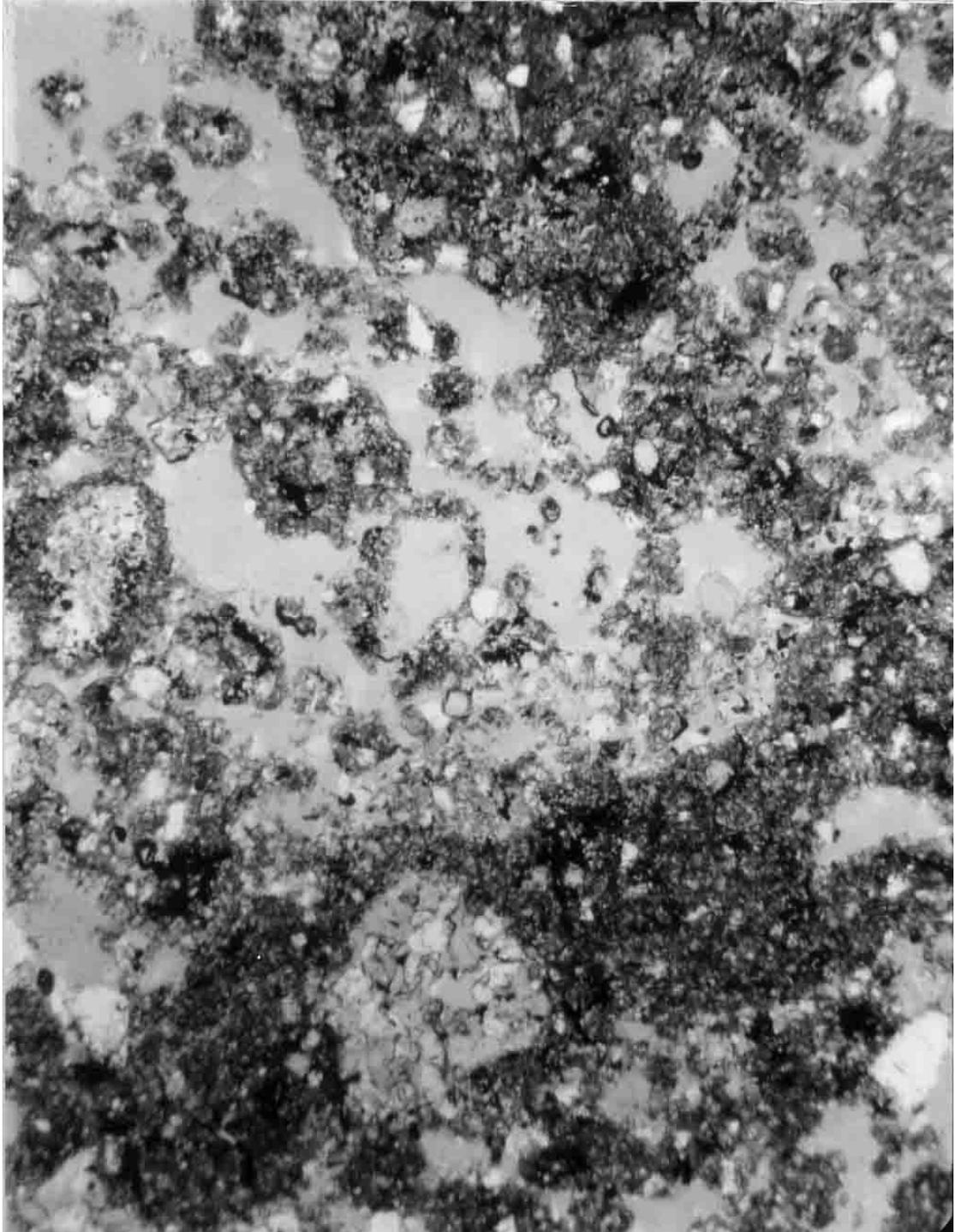


FIGURE 2. 63596,4, general view, ppl. Width 2 mm.