

**INTRODUCTION:** 63525 is a dark, homogeneous, coherent, fine-grained impact melt (Fig. 1). It is a rake sample and has zap pits.

**PETROLOGY:** 63525 is a brownish fine-grained impact melt with a seriate size distribution of clasts down to very tiny (Fig. 2). The clasts are nearly all unshocked plagioclases with rounded corners, but a few small lithic clasts including basaltic impact melts, feldspathic granulites, and granoblastic anorthosites are present. In places, the mineral clasts include complexly exsolved pyroxenes. The melt matrix, which is more mafic than the clast population, contains some plagioclase laths and a flow-alignment is apparent in places. Phinney et al. (1976) in a SEM study, note that the matrix lacks glass, contains about 5% vugs and vesicles, and consists of subhedral plagioclases up to 10  $\mu\text{m}$  across and anhedral low-Ca pyroxene up to 2  $\mu\text{m}$  across.

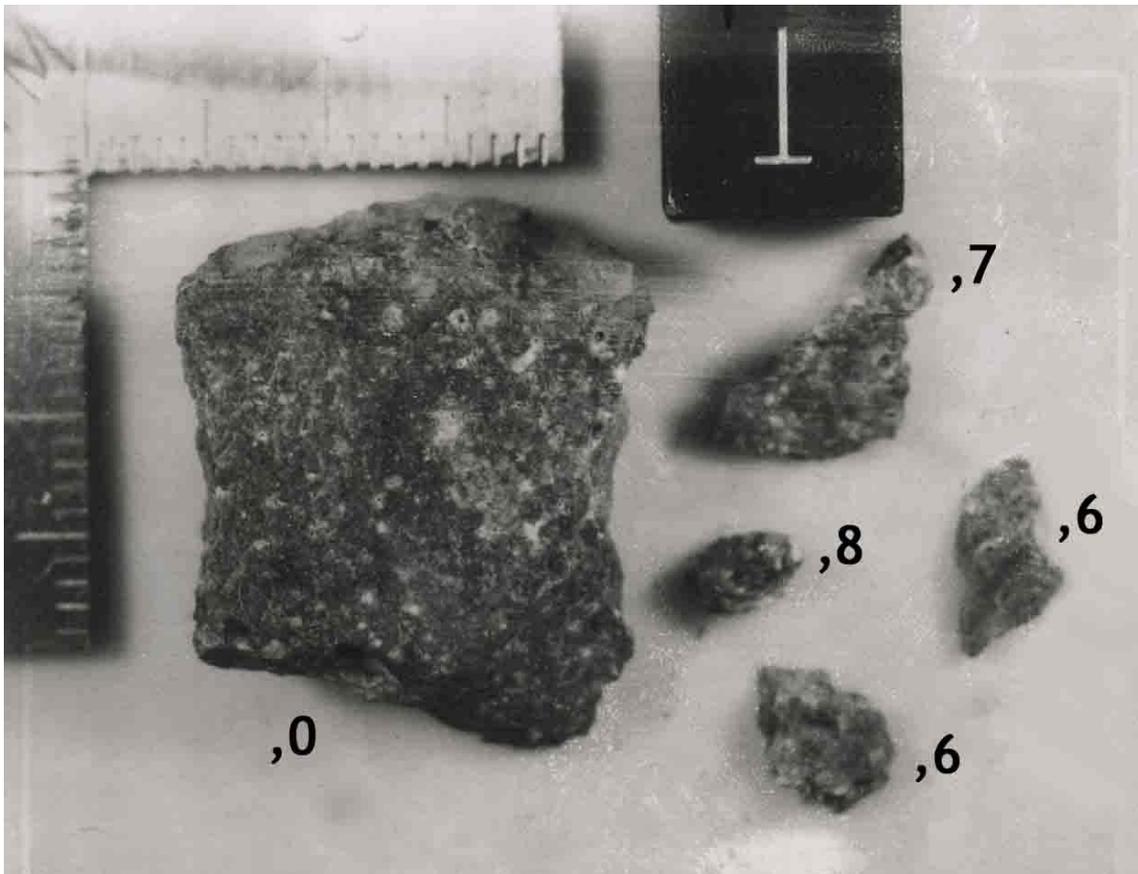


FIGURE 1. Smallest scale division in mm.

PROCESSING AND SUBDIVISIONS: Two small chips (,6) macroscopically appearing to be half matrix and half clasts, were made into thin sections ,10 - ,13. The clasts apparently are the feldspathic granulites and granoblastic anorthositic materials. Two other small chips (,7 and ,8) have also been individually numbered (Fig. 1).

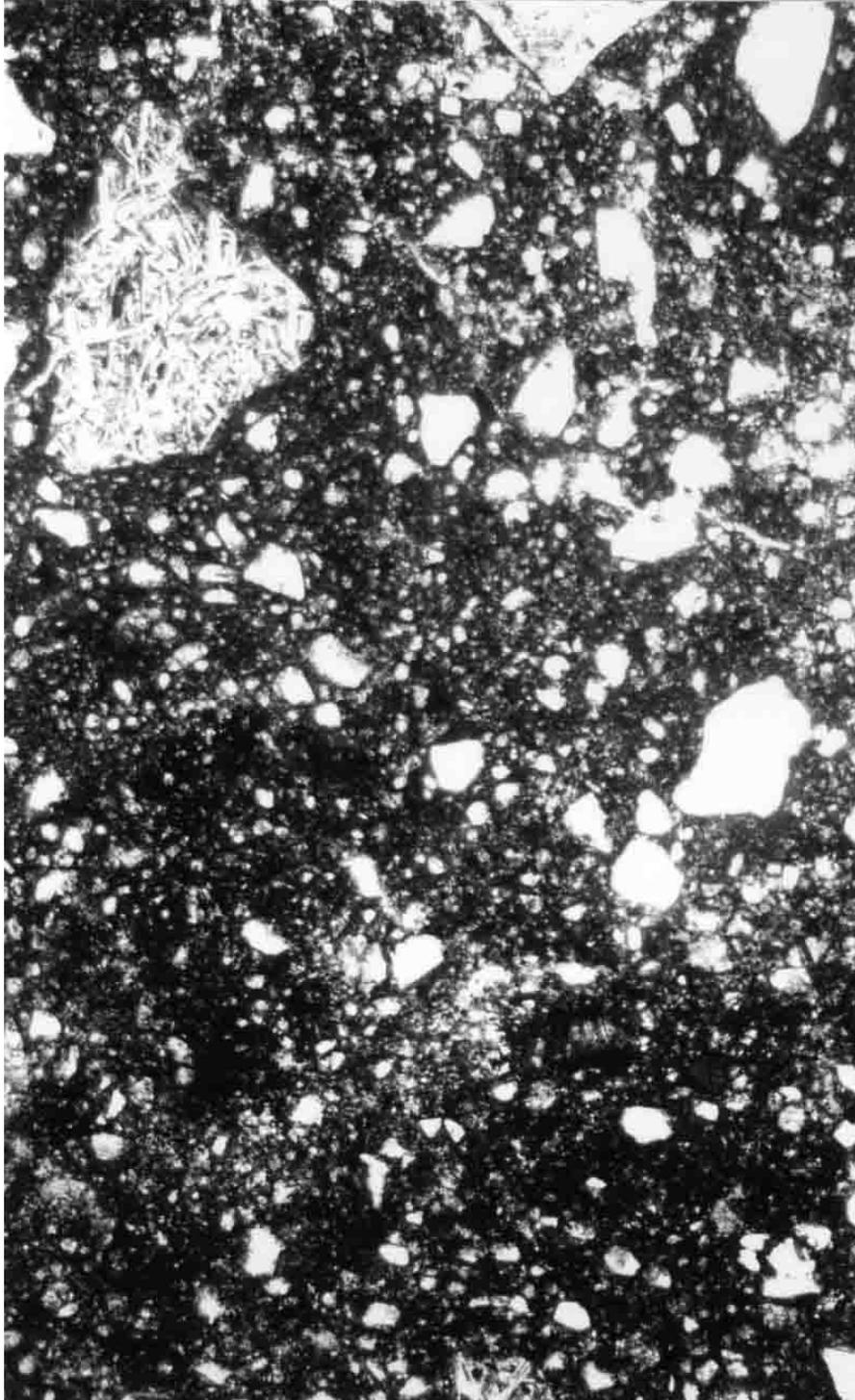


FIGURE 2. 63525,11, general view, ppl. Width 1.5 mm.