

## Specimen from Pyramid area, Scamander

*by E. Williams*

In hand specimen the rock is fine to medium grained and of grey colour. Weathered surfaces are impregnated with iron oxides (probably limonite), and white spots of up to 1 mm in diameter within the rock specimen may be discoloured with iron oxides.

In thin section under the microscope the rock is seen to consist of dominantly fine to medium-grade size grains of quartz of up to 1 mm diameter set in a fine-grained quartz-mica matrix which constitutes some 5% to 10% of the specimen. Some of the quartz grains are rounded although most have been modified by recrystallisation resulting in sutured contacts between the sand grains. Large spots of up to 1 mm diameter occur which may have very irregular boundaries. The spots are of very fine anhedral grains with aggregate properties that of quartz. However, it seems likely that these spots may be of cordierite aggregates. The specimen is quite typical of Mathinna sandstones but shows a degree of metamorphism. The rock is therefore a quartz sandstone hornfels.

*[30 August 1968]*