

Circled stamp: 100-100-100

AN 4377/74

2.

GEOCHRONOLOGY REPORT: AROO-1

Plagioclase was separated from Aroo-1, 11,799' for K-Ar dating. The potassium determination of 0.004% indicated that there would not be any detectable radiogenic argon present and that at this level of concentration, the experimental uncertainty in any date calculated would be of the order of $\pm 100\%$.

Miss Mellins was advised by telephone on 4 June 1974 that there was no point in continuing with the argon determination on this sample and she authorised an attempt to separate and date plagioclase from the 11,788' sample. When the four thin sections were initially examined, the sample from this depth appeared to be suitable for mineral separation. However, the portion of the core that was sectioned could not have been representative of the rock as a whole for when the 11,788' sample was crushed, the major leucocratic mineral present was calcite. Plagioclase was present in only very minor amounts and could not be concentrated in sufficient quantity for analysis.