

4. Sample Analysis

After removal from the press, the pyrophyllite tetrahedron was broken open and the monel heating tube removed. By gripping the edge that overlapped the heater tab with a pair of long-nosed pliers and gently twisting outward, it was possible to peel open the tube, leaving the lead crystal exposed and undamaged. The Viscasil was removed from the surface of the lead crystal by cleaning it in carbon tetrachloride and rinsing in water and alcohol. This was necessary so that the crystal could be securely mounted in paraffin for slicing with a sliding microtome.

The sample was sliced in layers 10 microns thick--the slices being collected, either 2 or 6 at a time, on pieces of gummed paper. The activity of each group was counted by means of a Tracerlab, type sc-57, well scintillation counter and Tracerlab, sc-73 versa/matic 11, scaler.