



The Quekett Microscopical Club

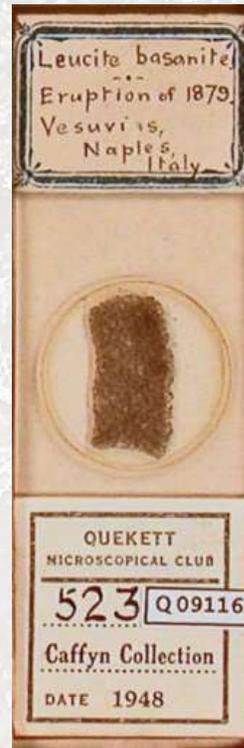
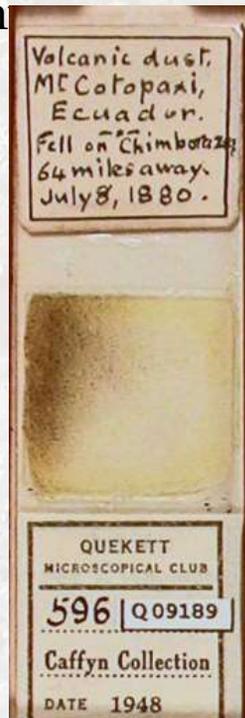
**Geological
Activities of
members**

Collect and examine geological slides of historical interest



The dust from the 1884 eruption of Krakatoa collected from a ship sailing nearby

Dust from the eruption of Cotapaxi collected from Chimborazo July 8 1880. Probably collected by Edward Wh



Sample collected from Vesuvius, Naples after the eruption of 1879

Dust from the eruption of Mount Soufriere, St Vincent in 1902

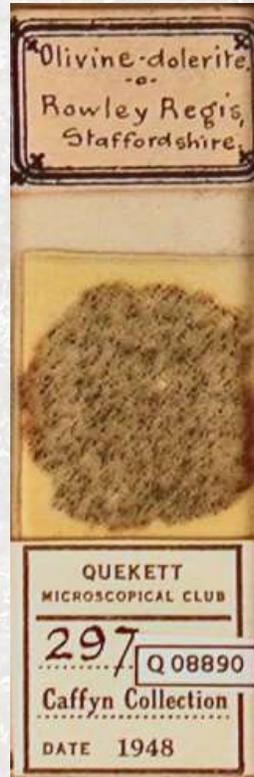


A sample collected from Vesuvius after the eruption of 1906



Hornblende porphyrite from Cape Royds, Antarctica collected during Shackleton's Expedition

A section from a sample of Cleopatra's Needle



A section of olivine dolerite from Rowley Regis, Staffordshire

A section through diabase from Burroton Coombe Quarry near Saltash



Sapphire rock. Felspar full of sapphire from Nuns Pass Carsaig.

Collect and use historical and interesting petrological microscopes



A Swift student polarising microscope - this or the preceding version tend to be available on eBay or at Club sales for under a£100. Fine quality & a good image. Generally have a mirror rather than the lamp on this example.



A Vickers M10a Pol. Cost £43; a typical price. A well built school/student microscope. No Bertrand lens but it does have top lighting & a sliding top tube to accommodate large specimens.

A C&D (Hemel Hempstead) polarising microscope bought for £43 - so in the less than £50 category.





G&S(Gillet & Seibert) Lynx Geology. Battery operated, probably produced for the Open University. No good for conoscopy but fine otherwise - even has built in first order plate. Cost about £30 but they're not common.

A Russian polarising microscope in the under £50 class. Perfectly usable & comes with wave plates and alternative condensers. This one has a set of instructions pasted on for the use of students.



A Vickers M74 - more basic versions of this one can generally be had for less than a £100 at Club sales.

Using simple methods to prepare rocks for microscopy



Grind the surface



Smooth using very fine wet & dry abrasive paper



Polish using T-cut™

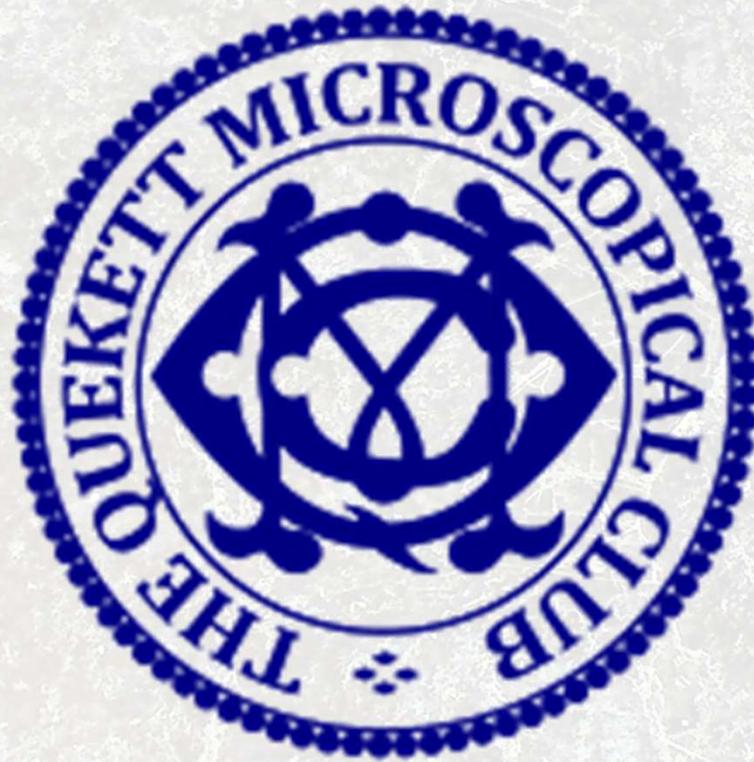


Interesting stones can be collected from the base of friable cliffs. A simple technique using readily available items can be used to polish a surface so microfossils can be seen



Encourage children, families and anyone to use microscopes to explore our earth





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