

SCG082-01

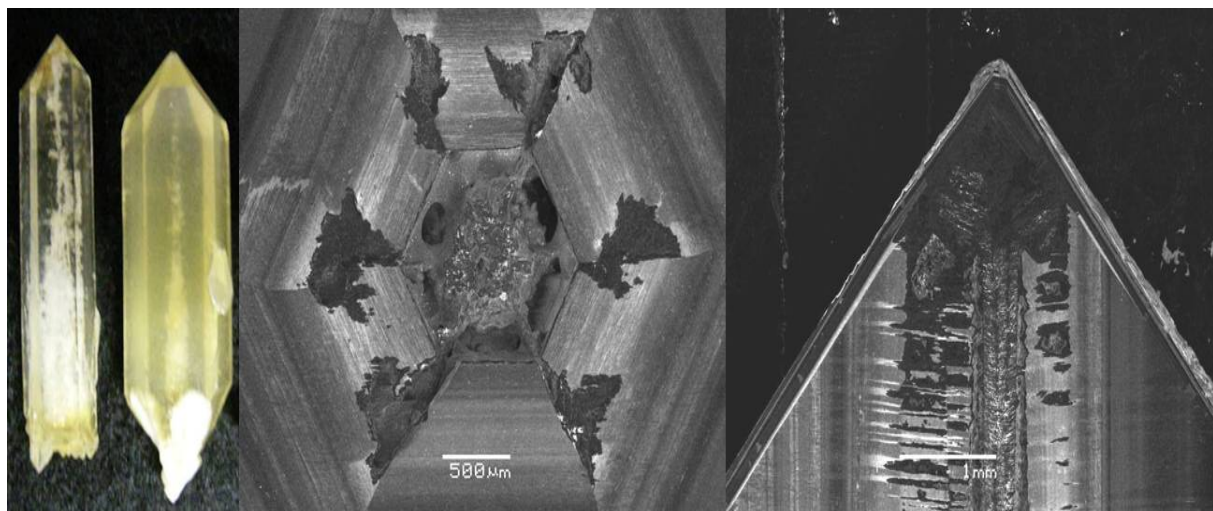
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Trapiche quartz from Goyomatsu mine, Tenkawa, Nara Prefecture

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Quartz crystals from Goyomatsu mine show a unique texture, consisting of slender prismatic core with dendritic arms and surrounding growth sectors formed by layer growth mechanism. This is another example of trapiche-type pattern formed through two growth stages, hitherto reported on emerald, corundum and tourmaline, but not on quartz.

Left: trapiche quartz, Central: dendritic quartz in the central portion of the cut vertical to the *c*-axis (CL image), Right: sector structure and growth zoning observed in the cut vertical to the *a*-axis (CL image).

Keywords: trapiche, quartz, dendrite, cathodoluminescence, morphology