

MINERALOGICAL MAGAZINE

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Front cover picture: Two euhedral crystals of vein-hosted fluorcaphite in back-scattered electron (left) and their cathodoluminescence image (right). Back-scattered electron images show distinct crystal zonation: brighter zones are Sr-enriched and correspond chemically to fluorcaphite, darker zones correspond to fluorapatite. Element distribution maps for Sr, Ca, and F illustrate the relative abundances of these elements in individual zones (default colours: blue – very low, green – low, yellow – medium, orange – high, red – very high). In the cathodoluminescence image, fluorcaphite (Fcp) shows bright yellow–green luminescence while fluorapatite only weak. The host analcime (AnI) without luminescence is penetrated by younger calcite (Cal) veinlets with a strong orange luminescence. See Kropáč *et al.* (this issue).