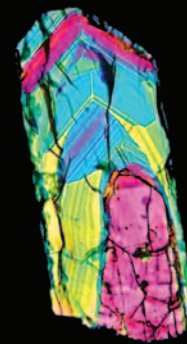


Elements

An International Magazine of Mineralogy, Geochemistry, and Petrology



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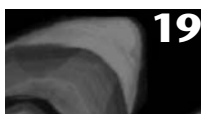
Volume 3, Number 1 • February 2007



Zircon

Tiny but Timely

Simon L. Harley and Nigel M. Kelly



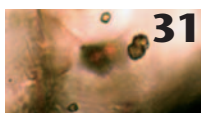
Zircon as a Monitor of Crustal Growth

Eric E. Scherer, Martin J. Whitehouse and Carsten Münker



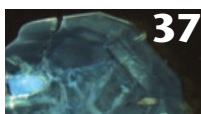
Zircon Behaviour and the Thermal Histories of Mountain Chains

Simon L. Harley, Nigel M. Kelly and Andreas Möller



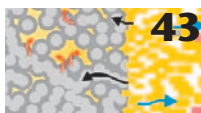
Zircon Behaviour in Deeply Subducted Rocks

Daniela Rubatto and Jörg Hermann



Rare Earth Element Behavior in Zircon–Melt Systems

John M. Hanchar and Wim van Westrenen



Re-equilibration of Zircon in Aqueous Fluids and Melts

Thorsten Geisler, Urs Schaltegger and Frank Tomaschek



Hydrothermal Zircon

Urs Schaltegger

ABOUT THE COVER: Photomicrograph (transmitted light, crossed polarizers) of a single zircon crystal (360 microns long) from the Adirondack Mountains, New York State, USA. Radiation damage in this zoned crystal can be inferred from the lower interference colors in some zones in comparison with the high birefringence of the low-actinide core, typical of well-crystallized zircon. For details, see Nasdala et al. (2005) *Chemical Geology* 220: 83-103.

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