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Elements

An International Magazine of Mineralogy, Geochemistry, and Petrology

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Ophiolites

YILDIRIM DILEK and HARALD FURNES, Guest Editors

Ophiolites and their Origins

Immobile Element Fingerprinting

**Records of Ocean Growth and Destruction
in the Oman–UAE Ophiolite**

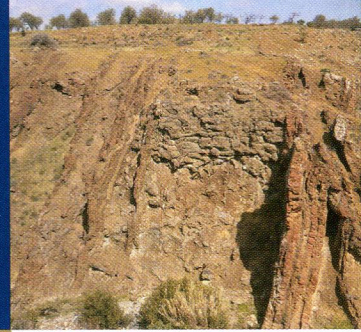
**Izu-Bonin-Mariana Forearc as
a Modern Ophiolite Analogue**

**Deep Biosphere Record of Oceanic
Lithosphere and Ophiolites**

Diamonds in Ophiolites

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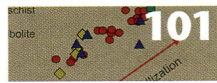
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Ophiolites

Guest Editors: **Yildirim Dilek** and **Harald Furnes**



Ophiolites and Their Origins
Yildirim Dilek and Harald Furnes



Immobile Element Fingerprinting of Ophiolites
Julian A. Pearce



Records of Ocean Growth and Destruction in the Oman-UAE Ophiolite

Kathryn M. Goodenough, Robert J. Thomas, Michael T. Styles, David I. Schofield, and Christopher J. MacLeod



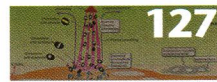
Izu-Bonin-Mariana Forearc Crust as a Modern Ophiolite Analogue

Osamu Ishizuka, Kenichiro Tani, and Mark K. Reagan



Deep Biosphere Record of In Situ Oceanic Lithosphere and Ophiolites

Hubert Staudigel, Harald Furnes, and Mark Smits



Diamonds in Ophiolites

Jing-Sui Yang, Paul T. Robinson, and Yildirim Dilek

ABOUT THE COVER: Pillow lavas, hyaloclastic rocks, and dike swarms of basaltic andesite composition in the Akaki River Canyon along the northern edge of the Troodos ophiolite, Cyprus. Dikes with chilled margins on one side or both sides intrude into and feed these pillow lava flows, which make up the uppermost eruptive units in the Troodos extrusive sequence (width of view 60–65 meters). Photo courtesy of LEO PURE, RESEARCH SCHOOL OF EARTH SCIENCES, AUSTRALIAN NATIONAL UNIVERSITY, CANBERRA, AUSTRALIA

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