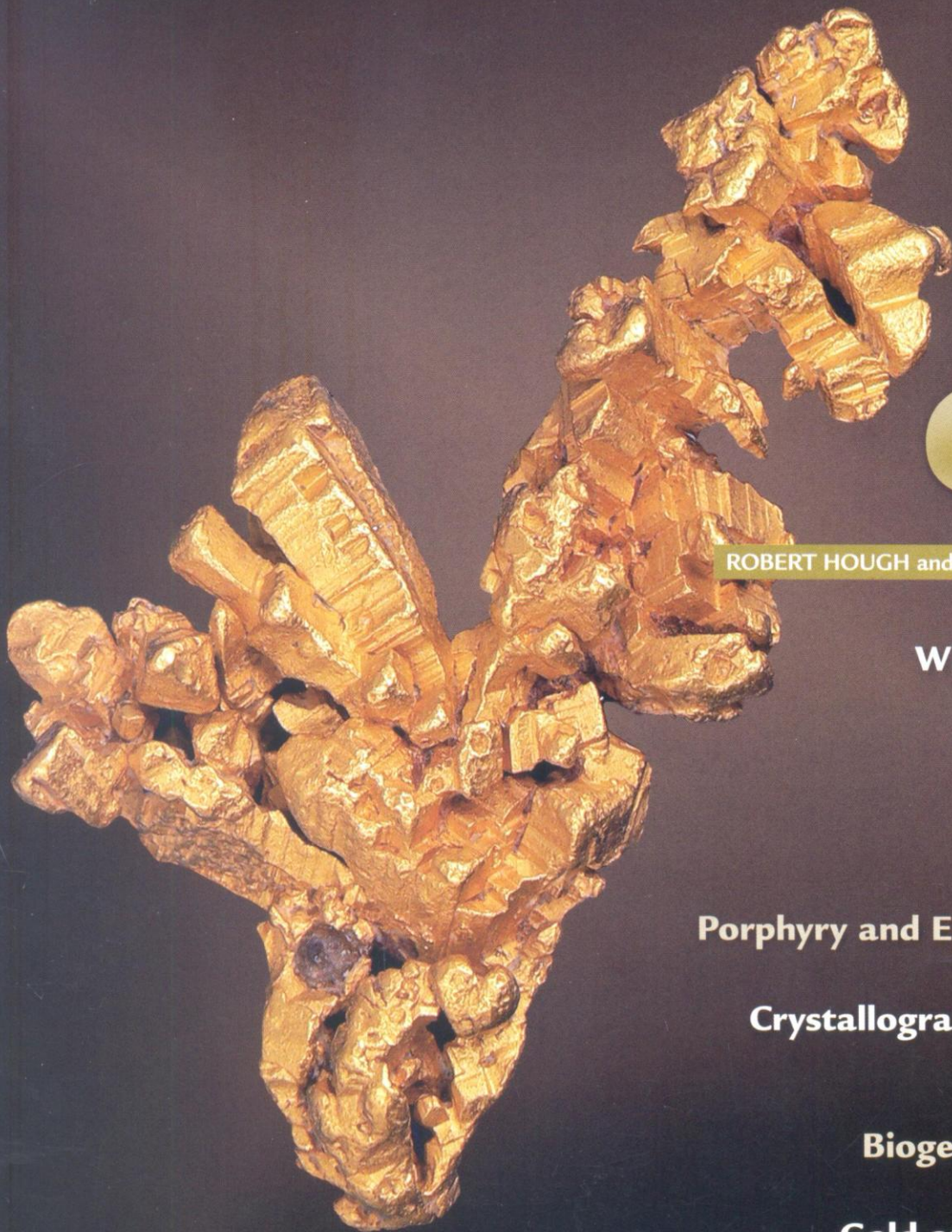


Elements

An International Magazine of Mineralogy, Geochemistry, and Petrology

October 2009
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Gold

ROBERT HOUGH and CHARLES BUTT, Guest Editors

Why Gold Is Valuable

Gold in Solution

Gold Deposits

Porphyry and Epithermal Deposits

**Crystallography, Metallography
and Composition**

Biogeochemistry of Gold

Gold and Nanotechnology

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Why Gold Is Valuable

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Gold in Solution

Anthony E. Williams-Jones, Robert J. Bowell, and Artashes A. Migdisov



Gold Deposits: Where, When and Why

John L. Walshe and James S. Cleverley



From Source to Sinks in Auriferous Magmatic-Hydrothermal Porphyry and Epithermal Deposits

Richard M. Tosdal, John H. Dilles, and David R. Cooke



The Crystallography, Metallography and Composition of Gold

Robert M. Hough, Charles R. M. Butt, and J. Fischer-Bühner



The Biogeochemistry of Gold

Gordon Southam, Maggy F. Lengke, Lintern Fairbrother, and Frank Reith



Gold and Nanotechnology

Claire M. Cobley and Younan Xia

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ABOUT THE COVER
The Liversidge nugget, in the Royal Museum, Edinburgh, was described in 1888 by Archibald Liversidge, pioneer gold geologist and geochemist and an important early protagonist for science in Australia. See page 335 of this issue. PHOTOGRAPH BY CHARLES BUTT 2009 BY PERMISSION OF THE TRUSTEES, NATIONAL MUSEUMS SCOTLAND

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