



AAPG | BULLETIN

VOLUME 101 • NUMBER 2 • FEBRUARY 2017

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ON COVER –The top photo depicts a part of the great East African Rift Valley (overlooking the Rukwa Rift Basin) in southwestern Tanzania. See related article by Hilbert-Wolf et al. on p. 143 of this issue of the *Bulletin*. Photo by Eric Roberts. The bottom image is a detail of a Middle Jurassic hardground of pelagic swells in southeast Spain. It is showing a belemnite assemblage in a banded Fe–Mn crust. These are interpreted as regional unconformities related to major palaeogeographic changes at the south Iberian Palaeomargin. Fragmentation of the Western Tethys carbonate platform resulted in fault-controlled pelagic swells where these hardgrounds developed. See related article by Fernández-Ibáñez on p. 233 of this issue of the *Bulletin*. Image submitted by Fermín Fernández-Ibáñez.

GEOLOGIC NOTE

<i>Application of U–Pb detrital zircon geochronology to drill cuttings for age control in hydrocarbon exploration wells: A case study from the Rukwa Rift Basin, Tanzania</i> Hannah Hilbert-Wolf, Eric Roberts, Bob Downie, Cassy Mtelela, Nancy J. Stevens, and Patrick O'Connor	143
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ACKNOWLEDGMENTS—

AAPG thanks the AAPG Foundation for financial support of this issue of the *Bulletin*.
The AAPG Editor thanks the following reviewers for their work on papers in this issue:
David N. Awwiller, Janok P. Bhattacharya, Damien Delvaux, Peter Druschke, David Gombosi, Richard H. Groshong, James W. Handschy, William A. Hill, David Iacopini, Barry J. Katz, Eirik Larsen, Dale A. Leckie, Paul G. Lillis, Christopher K. Morley, Michael L. Sweet, Ben van Aarssen, and Liangmiao (Scott) Ye.