

Elements

An International Magazine of Mineralogy, Geochemistry, and Petrology



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Giraffe in front of an outcrop at Olduvai Gorge, Tanzania. Exposed strata include Pleistocene basalts, tuffs, and Olduvai Beds I, II, and III sediments. PHOTO: L. McHENRY.

Into the Rift: The Geology of Human Origins in Eastern Africa

Guest Editors: Anatoly N. Zaitsev, Charles Musiba, and Lindsay J. McHenry



The Dawn of Humanity: What Can Paleoanthropologists and Geoscientists Learn from One Another?

Charles Musiba, Agness Gidna, and Mulugeta Alene



Tectonic and Paleoclimatic Setting for Hominin Evolution in Eastern Africa

Lydia Olaka and Cynthia J. Ebinger



Using Radiometric Dating, Magnetostratigraphy, and Tephrostratigraphy to Calibrate Rates of Hominin Evolution in the East African Rift

Alan L. Deino, Luis Gibert, and Céline M. Vidal



Paleolakes of Eastern Africa: Zeolites, Clay Minerals, and Climate

Lindsay J. McHenry, Verena Foerster, and Daniel Gebregiorgis



Laetoli: The Oldest Known Hominin Footprints in Volcanic Ash

Anatoly N. Zaitsev, Anton R. Chakhmouradian, and Charles Musiba

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