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ON COVER – Dinosaur tracks found in the 100-million-year-old rocks of the Dakota Group at Dinosaur Ridge in Morrison, Colorado. The most common trackways are from ornithopods, possibly made by *Eolambia*. The second most common trackways are from a small theropod, like an ornithomimid. The background photo shows ripple marks, which are frequently found in the sandstone of the Dakota Group.

ARTICLES

<i>Geochemical interactions of shale and brine in autoclave experiments—Understanding mineral reactions during hydraulic fracturing of Marcellus and Eagle Ford Shales</i> Jiemin Lu, Patrick J. Mickler, Jean-Philippe Nicot, Wanjoo Choi, William L. Esch, and Roxana Darvari	1567
<i>Quantitative characterization of shales within tidally influenced fluvial valley fill deposits of the Ferron Sandstone, eastern Utah: Implications for hydrocarbon exploration</i> Kivanc Biber, Shuhab D. Khan, Janok P. Bhattacharya, Mark D. Barton, and Craig L. Glennie	1599
<i>Sedimentology, facies architecture, and sequence stratigraphy of a Mississippian black mudstone succession—The upper member of the Bakken Formation, North Dakota, United States</i> D. Borcovsky, S. Egenhoff, N. Fishman, J. Maletz, A. Boehlke, and H. Lowers	1625
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