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GEOLOGY

GEOLOGY publishes timely, innovative, and provocative articles relevant to its international audience, representing research from all fields of the geosciences.

GEOLOGY (ISSN 0091-7613 USPS 994-580 CODEN GLGYB) is published monthly by the Geological Society of America, Inc. (GSA), with offices at 3300 Penrose Place, Boulder, Colorado, USA. Mailing address is P.O. Box 9140, Boulder, CO 80301-9140, USA. Periodicals postage paid at Boulder, Colorado, and at additional mailing offices. Postmaster: Send address changes to Geology, Sales & Service, P.O. Box 9140, Boulder, CO 80301-9140, USA.

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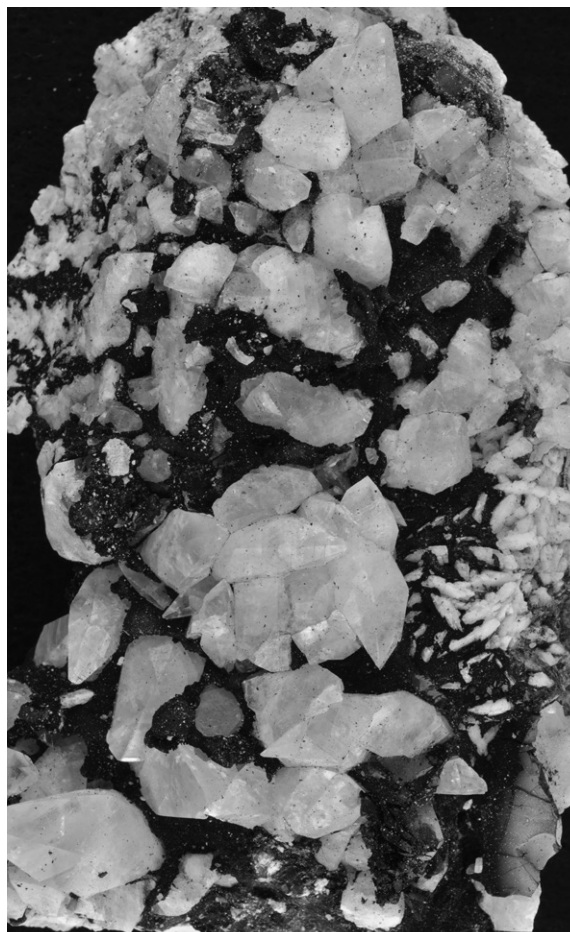
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COVER: Dogtooth calcite and saddle dolomite crystals cemented by bitumen from Pine Point, Northwest Territories, Canada. The sphalerite grains host primary fluid inclusion assemblages of metal-rich brine and petroleum, indicating that sphalerite precipitation was triggered when these fluids mixed. See "Mixing of brine with oil triggered sphalerite deposition at Pine Point, Northwest Territories, Canada" by Szmihelsky et al., p. 488–492.

Photo by: M. Steele-MacInnis