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87 Chicxulub impact: The origin of reservoir and seal facies in the southeastern Mexico oil fields: Comment and Reply
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Photomicrograph of tremolitic amphibole starburst rosette, which grew in metacarbonate rock of the Wepawaug Schist, Connecticut, during the Acadian orogeny. Coupled transport of water and carbon dioxide between intercalated metapelitic and metacarbonate rocks forces chemical reactions that produce minerals like amphibole and, at the same time, drive CO2 from metacarbonate rocks to crustal fluids. These fluids migrate for tens of kilometers out of active mountain belts and ultimately contribute to the overall CO2 budgets of the atmosphere and oceans. Crossed polarizers; field of view is 3 mm. See “Release of CO2 from carbonate rocks during regional metamorphism of lithologically heterogeneous crust,” by Jay J. Ague, Geology, v. 28, p. 1123.

Photo by Jay J. Ague.