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Case Daily - January 22, 2007

In space, carbonados are a girl's best friend

The Plain Dealer, Saturday, January 20, 2007

<http://www.cleveland.com/search/index.ssf?/base/news/116928559972900.xml?mnusa&coll=2>

The stones called carbonados have always been diamonds' strange, dowdy stepsister. Diamonds are clear and lustrous, prized for their beauty. Carbonados, sometimes called black diamonds, look like lumps of charcoal. But this gloomy story has a Cinderella ending, thanks to detective work by Steve Haggerty, one of the world's foremost diamond experts; Haggerty's student; and a pair of **Case Western Reserve University** scientists. Case owns and operates five "beamlines" at the New York lab and maintains a staff there. Haggerty's graduate student, Jozsef Garai, knew one of the Case scientists, **Sandeep Rekhi**. Along with Rekhi's boss, Case biophysical chemist **Mark Chance**, they arranged to expose samples of carbonado to the formidable infrared beam and see what secrets might spill out.