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Pseudocolor transmission electron micrograph of fibrous, lath-shaped, digenetic illite (less than 0.1-micrometer-size fraction) from the Repetto Formation, Santa Barbara Channel, California. Analysis of the sizes of illites and other clay minerals indicates that they coarsen by a process known as Ostwald ripening. See page 474. [Photo by Reed Glasmann, Unocal Corporation]