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The shell of the Devonian brachiopod, Pholidostrophia nacre (Hall), has a layered, crossed, lamellar structure. The calcite needles in each layer commonly indent one another and produce a surface that is an optical diffraction grating; hence the shell has a pseudonacreous luster (× approximately 710). See page 153. [K. M. Towe and C. W. Harper, Jr., Smithsonian Institution]
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