



Explanation for Plate 11.

Plate 11--Pyrite in coal. Photomicrographs of polished sections taken with the reflecting microscope using vertically incident light. **A**, White material is pyrite; black material is calcite and coal. Pyrite has replaced calcite which originally filled cell cavities and has partially replaced coal (Mineral coal, X 95). **B**, Pyritic replacement of calcite at higher magnification (Mineral coal, X 375). **C**, Coalescence of pyrite where it replaces calcite and coal (Mineral coal, X 95). **D**, Pyritic replacement of calcite and coal. Plant cells have been somewhat deformed (Mineral coal, X 95).

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