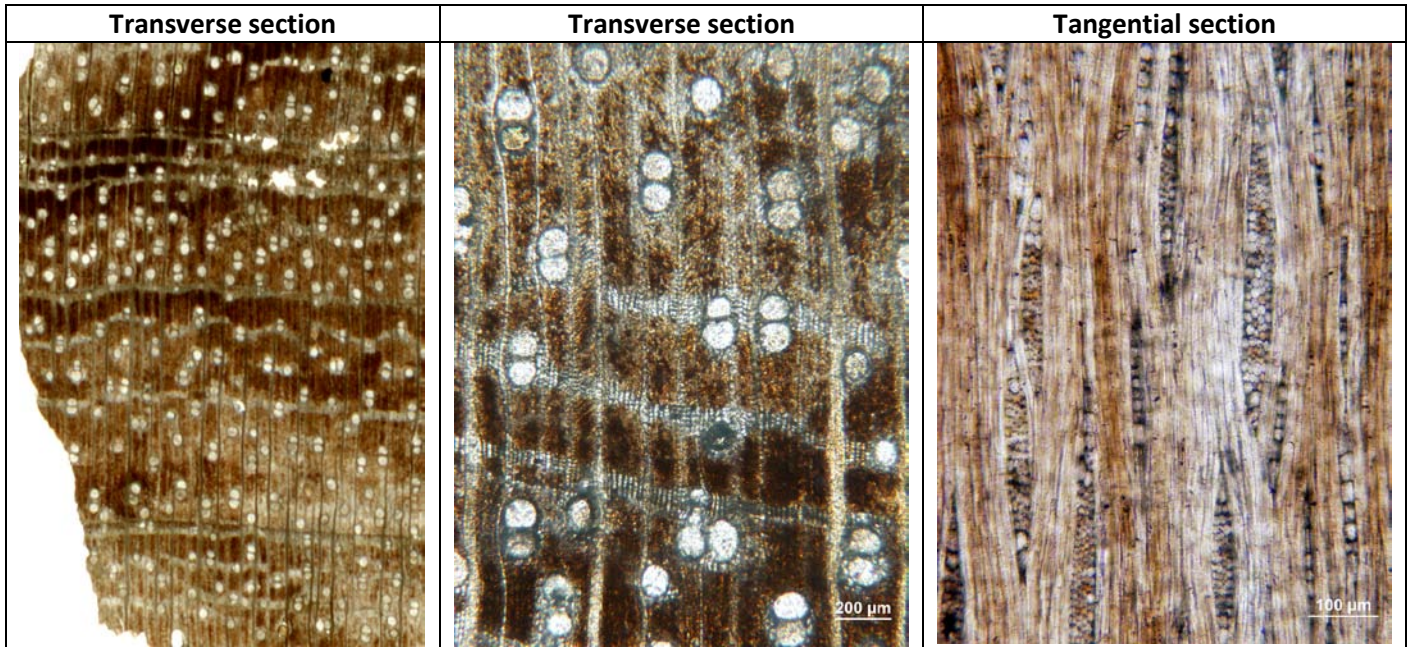


Urticales?

Family: Unknown

Reference: Wheeler, E.A. & T.A. Dillhoff. 2009. The Middle Miocene wood flora of Vantage, Washington, USA. IAWA Journal, Supplement 7. 101p.



Photos courtesy Dr. E.A. Wheeler

Diagnostic features: Growth rings present, diffuse porous vessel arrangement. Vessels solitary and in radial multiples of 2-3, solitary vessels rounded in outline. Perforation plates simple. Rays 1-6(7) seriate, uniseriate rays rare. Multiseriate rays typically 4-6 cells wide. Rays heterocellular with procumbent body cells and 1-2 marginal rows of square to upright cells. Some rays have uniseriate extensions of 8 or more marginal rows. Axial parenchyma scanty paratracheal to vasicentric and banded, bands usually 4-6 cells wide. Axial parenchyma strands usually made up of four cells.

Discussion: Beck (1945) reported this wood as being common at Vantage but not present from other localities. He named it 'Hardwood C' since he was unsure of its affinity. Wheeler and Dillhoff reported that the wood shares features with wood from a number of families within the order Urticales, but it doesn't clearly match up with the characteristics of any one family. Because of that, they tentatively assigned it to that order.