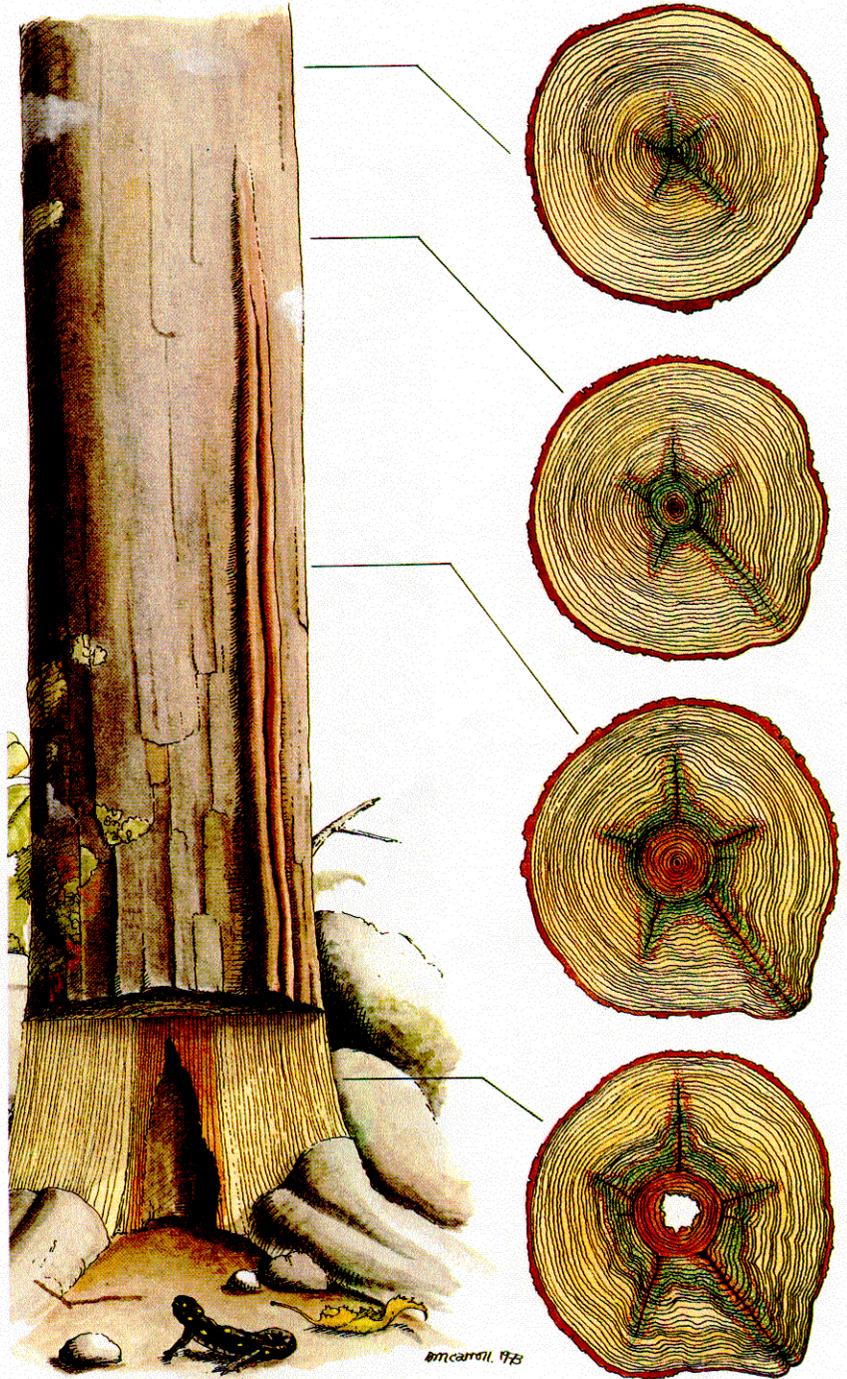


On some trees the wounds are not visible. This is common with small basal wounds, especially those caused by fire when the tree was very young and now the healed wound is hidden by forest litter. The barrier zone still forms around such wounds and often results in ring shake. Also, the inrolled callus serves as a weak spot on the tree that may continue to split vertically. Additional cracks may form from the barrier zone outward into the wood that forms after wounding. When the cross section of a trunk with such a pattern of internal defect is viewed above the base, a star-shaped pattern of cracks radiating out from the center will be seen.



With some basal wounds, long internal cracks, called seams, form at right angles to the wounds at the points where the callus inrolls.

