

DISCUSSION

A. Tewarson¹ (written discussion)—When wood is heated, there are generally two regions of decomposition. We have reported two values for heat of gasification. The products there may be different, as the first stage is associated with noncharring and second with charring. Your results with variations in LC₅₀ may be related to these differences.

J. C. Norris (author's closure)—There is evidence indicating the existence of different regions of thermal decomposition in woods. However, to link these regions with the multiple LC₅₀ values will be difficult. That hypothesis stems from the generalization that all woods have these different regions of thermal decomposition; but of the woods reported, not all have the same number of LC₅₀ values. That is not to say, however, that the different regions and their decomposition products do not contribute to the lethal environment in some way. Consequently, there is no simple correlation between the thermal regions and LC₅₀ values.

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