

DISCUSSION

*W. R. Corwin*¹ (*written discussion*)—(1) Comment: Since normalizing methods do not result in overlapping USEs, perhaps DBTTs should be defined as halfway between the USE and LSE.

(2) Is the difference in shift in DBTT due to embrittlement between full and small CVNs constant or a function of degree of embrittlement, alloy, etc.?

G. E. Lucas et al (*authors' closure*)—(1) Certainly, an alternative definition for DBTT could be used, but again the halfway point would still provide a parameter based on an arbitrary definition. As we have stated, the greater promise for using small Charpy V-notch (or other) specimens lies in interpreting the data in terms of flow and fracture models to obtain more fundamental properties of interest.

(2) We do not have sufficient experimental data at this time to provide a definite answer to this question. However, since the relative size and position of the absorbed energy curves for large versus small CVNs varies with material, it is likely that the difference in shift will also be material, and hence material condition, dependent.

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