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REPLY TO ""DISCUSSION OF FACTORS DETERMINING TWINNING IN MARTENSITES""

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Authors

Johari, O.
Thomas, G.

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University of California
Ernest O. Lawrence
Radiation Laboratory

**REPLY TO "DISCUSSION OF FACTORS DETERMINING TWINNING
IN MARTENSITES"**

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Reply to "Discussion of factors determining twinning in martensites"*

The two points we tried to make in our letter⁽¹⁾ were the following: firstly, that in a *given alloy series* with increasing solute content and corresponding decrease in M_s temperature the tendency will be for martensite to twin as is found for Fe-C and other alloys besides Fe-Ni and Fe-Ni-C. We are not implying that an absolute low M_s temperature is a prerequisite for twinning but rather that a relatively low M_s temperature favors twinning. Secondly, it does

not seem feasible to correlate the stacking fault energy of austenites to the deformation behaviour of the transformed martensite, where the structure is b.c.c. or b.c.t.

*University of California
Berkeley
California*

O. JOHARI
G. THOMAS

References

1. O. JOHARI and G. THOMAS, *Acta Met.* **13**, 1211 (1965).

* Received January 12, 1966.