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The author is much indebted to Miss D. SOUBLIÈRE for carrying out the calculations involved in this paper and to Dr. D. K. C. MACDONALD for his helpful comments on the manuscript.

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INTERVENTI E DISCUSSIONI

— C. DOMB:

Dr. DUGDALE's observation that the θ values used in estimating the Lindemann constant C need to be revised would mean a far smaller variation of C with A^* than indicated in my paper. It may help to account for the apparent discrepancy noted between solid hydrogen and solid helium.

DALE

... are needed for calculating the ... the Debye temperature, the Grün- ... and the melting temperature as ... are listed in Table I.

... γ and melting temperature of solid ... values of volume.

γ	T_m (°K)
2.71	4.9
2.49	6.6
2.31	8.8
2.17	11.7
2.06	15.5
1.96	20.8
1.87	28.0
1.8	38.5
1.74	53.9
1.68	77.7
1.65	94.5

... between the extrapolated experi- ... ed by the methods outlined in this ... elusions:

... ve and isochores of the solid can be

... point motion of the atoms composing ... mium is sufficient to account quite well ... et of the zero point energy is taken ... calculations (*); and

... formula appears to be valid over an ... fact which deserves close theoretical

... st principles, the U_0-V relationship should ... This has already been attempted with ... a really satisfactory theoretical interato-