Errata

Erratum: Thermal and nuclear hyperfine properties of $Ho(OH)_3$ [Phys. Rev. B 31, 6082 (1985)]

S. Karmakar

Please add the following to my article.

ACKNOWLEDGMENTS

The author acknowledges the help and guidance of Dr. (Mrs.) D. Ghosh, who suggested the problem, and also Dr. M. Saha. The author is also grateful to Dr. S. Mroczkowski and Professor W. Wolf for supplying the crystals prepared under the National Science Foundation Grant No. DMR 76-23102.

Erratum: Quasiclassical approximation to final-state effects in the scattering of neutrons from a hard-core fluid [Phys. Rev. B 32, 4492 (1985)]

George Reiter and Thomas Becher

We wish to point out that our results show clearly a defect in the theory of final-state effects due to Hohenberg and Platzmann as refined by Platzmann and Tzoar, a fact we realized in a conversation with Richard Silver. The appearance of the factor of $g(a)$, the pair correlation function in our expression for the linewidth, indicates that the correlation between particles in the initial state plays a significant role. These correlations are not contained in the result of Platzmann and Tzoar, which agrees with our result in the event that $g(a)=1$, i.e., the low-density limit. In helium, if one identifies $g(a)$ with the peak of the structure factor, it is $\simeq 1.5$. We do not believe that the hard-core results apply to helium, despite the clear signature of a hard core in the two-body cross section, but the insight that the final-state effects depend upon the pair correlation remains valid.

