Errata

Relativistic Electronic Structure in Crystals. II. Fermi Surface of Tungsten, T. L. LOUCKS [Phys. Rev. **143**, 506 (1966)]. The wrong diagram was submitted for Fig. 1. The correct results, as mentioned in the figure caption, can be found in the following figure.
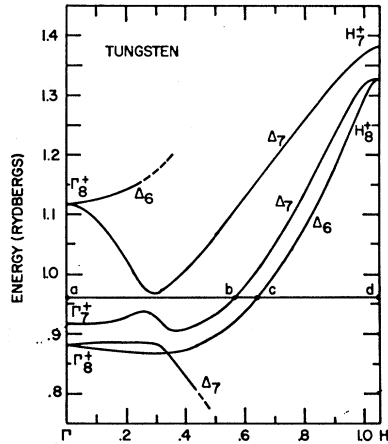

FIG. 1. Relativistic energy bands for tungsten (Ref. 6).

Spin-Spin Interactions in Cerium Ethyl Sulfate, J. DWECK AND G. SEIDEL [Phys. Rev. **146**, 359 (1966)]. The value of the rms radius of the $4f$ orbit of Ce was incorrectly quoted. A better estimate of this quantity results in an electric quadrupole-quadrupole coupling constant an order of magnitude smaller than indicated. A qq coupling between Ce ions is, however, still strongly indicated by the unusual qualitative features of the resonance spectra.

Spin-Wave Theory of Magnetic Resonance in Spiral Spin Structures: Effect of an Applied Field, B. R. COOPER AND R. J. ELLIOTT [Phys. Rev. **131**, 1043 (1963)]. There were a number of algebraic errors made in obtaining the various spin-wave

energies. The correct results are listed below:

Low-Field Region

$$\Delta_{01}= -K_2\mu H+\frac{K_2 b}{2(a+b)^2 c}(\mu H)^3. \tag{20}$$

This leads to $\hbar\omega(0)$ vanishing in the low-field spiral region.

$$\hbar\omega(0)=0, \tag{21}$$

$$\hbar^2\omega^2(\cos k_0)= -2K_2(a+b)-\frac{K_2(\mu H)^2}{2(a+b)^2}$$

$$\times\left[\frac{(-a+3b-c)^2}{(a+b-c)}+2a-2b+c+\frac{4b}{c}(-a+b)\right]. \tag{22}$$

For $c \gg b, a,$

$$\hbar^2\omega^2(\cos k_0)\approx(-2K_2)(a+b)\left[1+\frac{(\mu H)^2(-a+3b)}{4(a+b)^3}\right]. \tag{24}$$

Fan Region

There was an algebraic error made in obtaining $\mathfrak{IC}(k_0)$ given in Eq. (46). The coefficient of the term in $a_{k_0}{}^* a_{-k_0}+a_{-k_0}{}^* a_{k_0}$ should be $-4(a+b)\delta^2/S$ rather than $-8a\delta^2/S$. This leads to the following changes:

$$\hbar\omega(\cos k_0)=0 \tag{50}$$

$$\hbar\omega(\sin k_0)=[-16K_2(2a+b)]^{1/2}\delta. \tag{53}$$

Also, there is a typographical error in Eq. (8). The third term should be $YH^2\sin 2nk_0 c'$ rather than $YH^2\sin^2 nk_0 c'$.

The main point of these corrections is that there is an excited state of zero frequency for all fields less than H_f where complete ferromagnetic alignment is attained.

We are grateful to Dr. P. Wolf and Dr. H. Thomas for finding these errors and bringing them to our attention. Professor T. Nagamiya has also independently found the error and correct results in the fan region.