ERRATA

Matrix Elements of the Spin-Spin Interaction for the f^3 Electron Configuration. Edith F. Reilly [Phys. Rev. **170**, 1 (1968)]. The spin-spin interaction for the matrix element $_3{}^4D_{20} - _3{}^4F_{10}$ for levels $J = 3/2$, $5/2$, and $7/2$ should be 165 instead of 1650.

Semiempirical Electron Correlation in the Carbon Atom. Raymond W. Mires [Phys. Rev. **155**, 1 (1967)]. An error in the calculation of $\langle r_{12} \rangle$ caused the results of Sec. VI and VII to be incorrect. Tables II and III should read as shown here. It is now obvious that the HF average-of-configuration model gives about the same result for the ratio δ as does the hydrogenic-core model. However, if one calculates δ from the corrected Table II very good agreement with experiment is obtained. Thus, the UHF model with spatial correlation included appears to be the most accurate.

TABLE II. Results for carbon using the UHF model. All energies are in Hartree units. One-electron orbital energies are included.

Level	c	Calculated energy No corr.	Calculated energy With corr.	Energy difference
^1S	0.397 514	−1.207 43	−1.266 85	0.059 42
^1D	0.196 714	−1.295 20	−1.317 24	0.022 04
^3P	0.073 414	−1.356 23	−1.360 47	0.004 24

TABLE III. Results for carbon using the HFAC model. All energies are in Hartree units. The average two-electron energy is omitted.

Level	c	Calculated energy No corr.	Calculated energy With corr.	Energy difference	UHF[a]	δ This work	Obs.
(a) ^1D radial functions are used.							
^1S	0.583 014	−0.391 879	−0.476 575	0.084 696			
^1D	0.220 014	−0.476 139	−0.501 517	0.025 378	1.4275	0.7408	1.1268
^3P	0.057 614	−0.532 312	−0.535 187	0.002 875			
(b) ^3P radial functions are used.							
^1S	0.581 701	−0.402 334	−0.488 867	0.086 533			
^1D	0.220 701	−0.489 918	−0.515 762	0.025 844	1.4275	0.7582	1.1268
^3P	0.059 001	−0.548 307	−0.551 235	0.002 928			

[a]Calculated from Clementi's total energies, Ref. 10.