

reduced may be used during a transition period; the formal charge designations should be used when the new recommendations become familiar.

13. Rubredoxins are treated in an analogous fashion, except that the basic center is designated [Rd] since there is no ambiguity concerning numbers of metal atoms involved. Rubredoxins with multiple clusters are denoted as n [Rd]. The formal charges of rubredoxins are $[\text{Rd}]^{3+}$ and $[\text{Rd}]^{2+}$ for the oxidized and reduced forms, respectively.

14. It is useful to present midpoint redox potentials, light-absorption and EPR characteristics, particularly when an iron-sulfur protein is first mentioned in a publication.

15. The examples given in Table 1 illustrate and contrast the new designations with those previously applied.

Iron-sulfur proteins with clusters of different types may be designated in a similar manner. For instance, a protein from *Azotobacter vinelandii* [7] has two Fe-S clusters which assume the same range of oxidation

levels, although one is found 'reduced' and the other 'oxidized': $[\text{4Fe-4S}]^{2+(3+,2+)}$ $[\text{4Fe-4S}]^{3+(3+,2+)}$ Fd I.

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Errata

Page 107, column 1, line 10: *for* accounts, *read* account.

Page 108, column 1, line 1: *for* Fe, *read* Fd.

Page 108, column 1, footnote 3, line 3: *for* this protein, *read* these proteins.

Page 109, column 2, first line of small print: *for* $[\text{4Fe-4S}]^{3+(3+,2+)}$, *read* $[\text{4Fe-4S}]^{2+(3+,2+)}$.

Page 109, column 2, lines 23–25: *read* This shorthand denotes that *Chromatium ferredoxin* occurs in the reduced (2+) state but can also be found at the (3+) state . . . ,

Page 109, column 2, Table 1: column 2, line 3: *for* $[\text{2Fe-2S}]^{2+(2+,3+)}$ Fd, *read* $[\text{2Fe-2S}]^{2+(2+,1+)}$ Fd.