Copy of a printed diagram referenced as "Myoglobin structure (Kendrew)"

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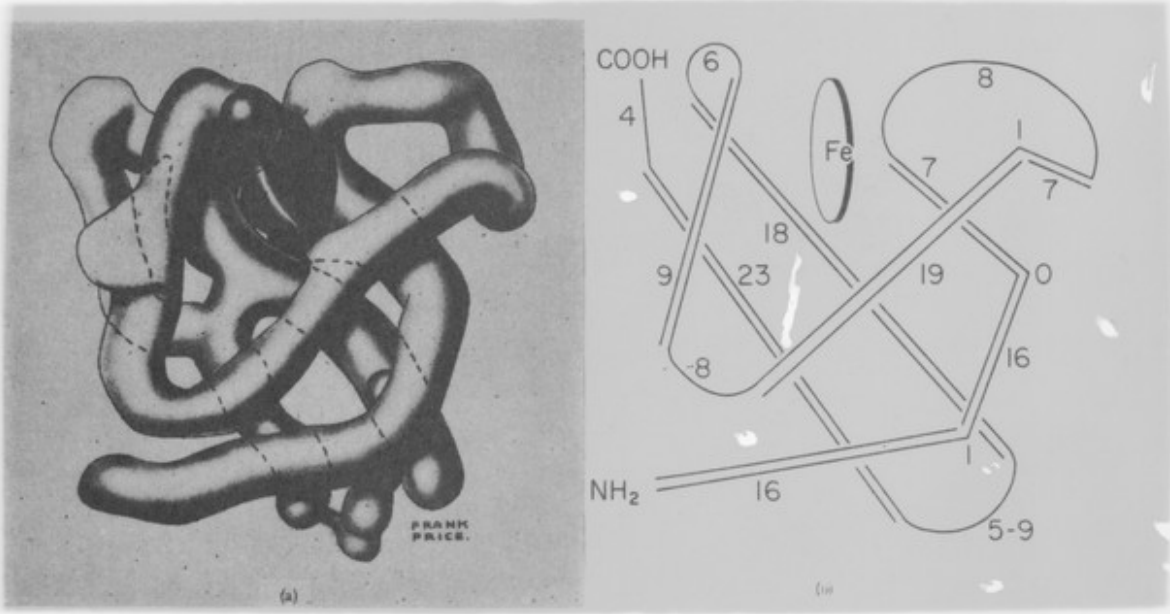

FIG. 4. (a) Tertiary structure of myoglobin deduced from the 6Å Fourier synthesis. The heme group is somewhat darker than the rest of the molecule; the plane of the heme group is not correct in this diagram [reproduced from Bodo et al. (1959)]. (b) Schematic representation of the number of amino acids among the α-helical lengths (double lines) and the "corners" (single lines) as derived from the 2Å Fourier synthesis.

nected by covalent bonds are not resolved from one another, but groups of atoms in van der Waals' contact are distinguishable from one another, and, if they are sufficiently large and characteristic, such as the indole group of ...ptophan (Fig. 4) or the imidazole ring of histidine, they can be identified.