# Comparison of a molecular map and haemoglobin diagram referenced as "Fingerprints. Haemoglobin A + A2"

## Contributors

Gratzer, W. B. (Walter Bruno), 1932-

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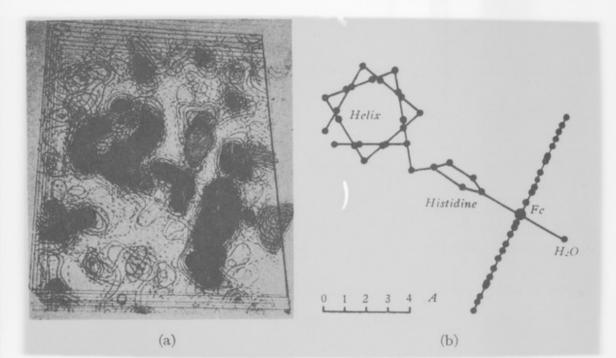
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#### X-RAY STUDIES OF BIOLOGICAL COMPOUNDS

analysis shows only four prolines in this type of myoglobin (157), whereas there are seven "corners." Two more prolines have been identified in the



density within this plane is very similar to that calculated from the known atomic arrangement seen at 2 A resolution. As had long been believed on chemical grounds, the iron atom appears to be linked to the protein by coordination with a nitrogen atom of a histidine side chain, whereas the sixth consistion position, presumably occupied by the oxygen molecule in oxy in, is filled, in metmyoglobin, by a water molecule (Figure 6). Further