**Development of Butlerov’s Structural Theory, 1859-1862**

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Butlerov was using type theory and equivalent weights (C=6, O=8) in September 1859:

Butlerov (1859) of monovalent particles necessary to return to the original type. "This short paragraph reads: "For the first general class we obtain two hydrocarbons, of the type C\textsubscript{3}H\textsubscript{6} \textit{and} C\textsubscript{3}H\textsubscript{6}. Each of them can gradually lose hydrogen to give radicals, each of them gradually losing the valence of which is determined by the number of monovalent particles necessary to return to the original type."