



Division of the History of Chemistry
American Chemical Society

Citation for Chemical Breakthrough

For the conceptualization of conformational analysis.

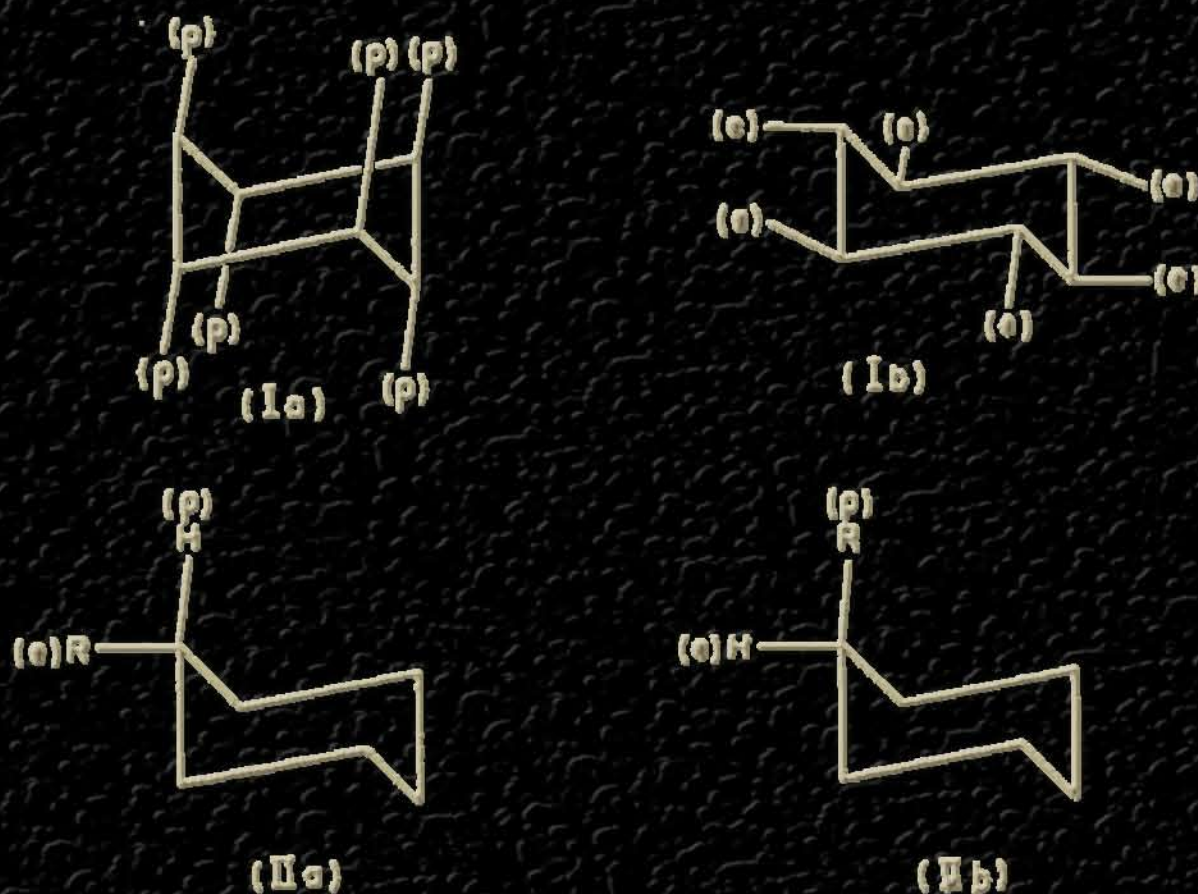


Barton, D. H. R. *Experientia* 1950, VI, 316-320.

The Conformation¹ of the Steroid Nucleus

By D. H. R. BARTON², Cambridge, Mass.

In recent years it has become generally accepted that the chair conformation of cyclohexane is appreciably more stable than the boat. In the chair conformation it is possible^{3,4} to distinguish two types of carbon-hydrogen bonds; those which lie as in (Ia) perpendicular to a plane containing essentially the six carbon atoms and which are called³ *polar* (p), and those which lie as in (Ib) approximately in this plane. The latter have been designated³ *equatorial* (e).



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