

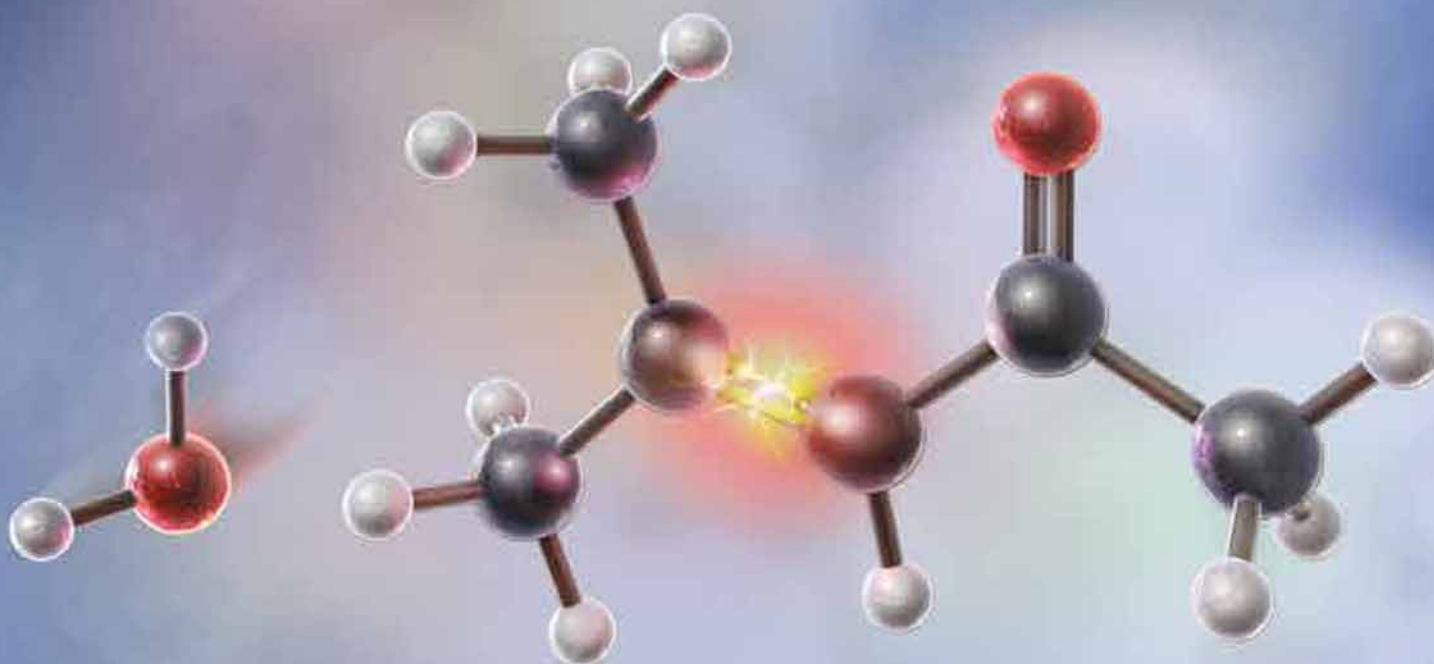
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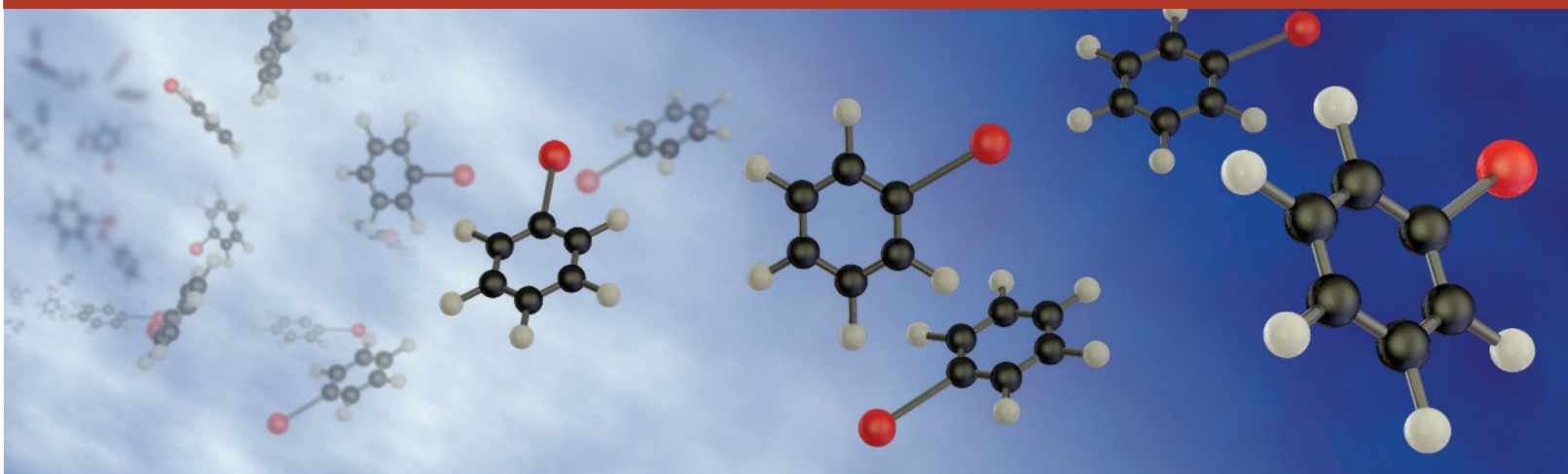
MARC LOUDON

JIM PARISE



Organic Chemistry

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Organic Chemistry

SIXTH EDITION

Marc Loudon

PURDUE UNIVERSITY

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UNIVERSITY OF NOTRE DAME



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About the cover: **The Aldol Condensation**

The reaction on the cover is a stylized representation of the aldol condensation, one of the most important reactions in organic chemistry and a very important reaction in biology. The cover reaction is shown in the text as Eq. 22.45 on p. 1122. Research on improvements to the aldol condensation has continued to the present time. Discovery of the aldol condensation was announced independently in 1872 by Charles-Adolphe Wurtz, a widely recognized French chemist, and by Alexandr Borodin, holder of a professorial chair at the Medical-Surgical Academy in St. Petersburg. Borodin was not only a chemist and a surgeon, but was also an accomplished amateur musician and composer whose compositions are widely played to this day. Borodin was an advocate of women's rights, and he also championed medical education for women. (For more on Borodin, see p. 1122.) The cover reaction symbolizes the continuity of organic chemistry from its medical origins to the important position it holds today as both a basic chemical discipline and a foundation of modern biology.

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To Tarra and Shala . . .

Wives of the sons have become daughters of the father.

and to Julian . . .

His effervescence foretells a prized vintage.

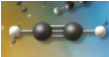
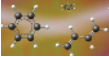
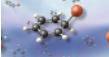
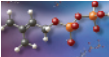
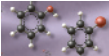
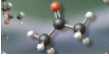
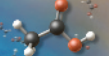
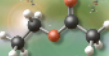
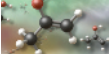
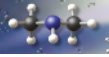
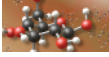
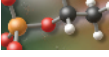
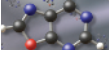
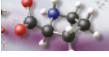
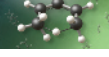
—ML

To Kat, and my family.

—JP

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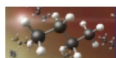
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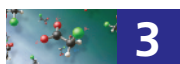
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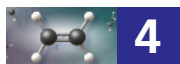
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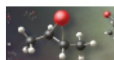
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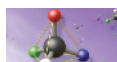
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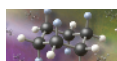
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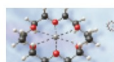
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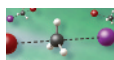
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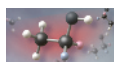
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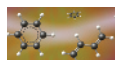
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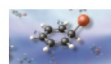
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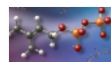
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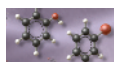
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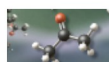
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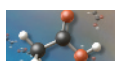
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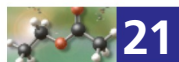
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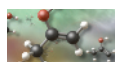
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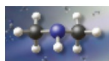
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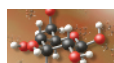
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