Landolt-Börnstein **Group II: Molecules and Radicals** Volume 13 **Radical Reaction Rates in Liquids** Subvolume A Carbon-Centered Radicals I Introductory material General introduction (H. FISCHER) 1 Carbon-centered radicals: Radical-radical reactions (D. GRILLER) 1.0 Introduction 1.1 Self-reactions 1.2 Cross reactions 125 1.3 Relative rate constants 127 2 Carbon-centered radicals: Radical-molecule addition reactions (J.P. LORAND) 135 2.0 Introduction 135 2.1 Methyl radical 136 2.2 Other acyclic hydrocarbon radicals 160 2.3 Cycloalkyl radicals 176 2.4 Cumyl radical 188 2.5 Alkyl radicals containing heteroatoms 189 Phenyl radicals 2.6 202

Carbon-centered radicals: Fragmentation and rearrangement reactions

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3.1 3.2 Vinyl and acyl radicals

Polymer radicals

Introduction

Errata

(A.L.J. BECKWITH)

Fragmentation reactions

Rearrangement reactions

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Aromatic radical cations

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