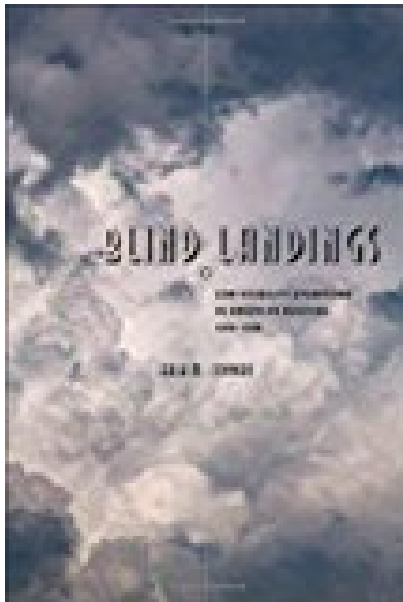


# Blind Landings Low-Visibility Operations in American Aviation 1918-1958

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## BOOK DETAILS

- Author : Erik M. Conway
- Pages : 256 Pages
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## BOOK SYNOPSIS

When darkness falls, storms rage, fog settles, or lights fail, pilots are forced to make "instrument landings," relying on technology and training to guide them through typically the most dangerous part of any flight. In this original study, Erik M. Conway recounts one of the most important stories in aviation history: the evolution of aircraft landing aids that make landing safe and routine in almost all weather conditions. Discussing technologies such as the Loth leader-cable system, the American National Bureau of Standards system, and, its descendants, the Instrument Landing System, the MIT-Army-Sperry Gyroscope microwave blind landing system, and the MIT Radiation Labs radar-based Ground Controlled Approach system, Conway interweaves technological change, training innovation, and pilots experiences to examine the evolution of blind landing technologies. He shows how systems originally intended to produce routine, all-weather blind landings gradually developed into routine instrument-guided approaches. Even so, after two decades of development and experience, pilots still did not want to place the most critical phase of flight, the landing, entirely in technology's invisible hand. By the end of World War II, the very concept of landing blind therefore had disappeared from the trade literature, a victim of human limitations. -- Chihyung Jeon

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