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EQUATIONS OF MOTION

Adventure, Risk and Innovation

An Engineering Autobiography
by William F. Milliken

Foreword by Dan Gurney

Price: \$24.95

Bentley Stock Number: GEMP

Publication Date: 2009.Feb.01

ISBN: 978-0-8376-1570-7

Softcover, 8 1/8 in. x 10-1/2 in.

Case quantity: 5

708 pages, over 700 b&w photos,
technical illustrations & charts

William F. Milliken's handling research is fundamental to modern automobile design, and his definitive books on vehicle dynamics provide engineers and racers with practical understanding of chassis design for maximum performance. **Equations of Motion** is the story of Milliken's lifetime of experimentation and innovation in vehicle stability and control.

In **Equations of Motion: Adventure, Risk and Innovation**, Milliken vividly recounts his experiences pushing airplanes and race cars beyond their limits. His exciting life provides singular, real-world insight into the challenge and joy of engineering and the history of vehicle dynamics as he created it in the air and on the track.

Bill Milliken's acclaimed "engineering autobiography" is now available as a lower-priced paperback containing new material written exclusively for this edition.

Selected reviews of the hardcover edition

"... a worthwhile read. Bill Milliken's personal memoir covering the nine decades of his fascinating life is a real treat, and racers will find his track exploits especially entertaining." - *Vintage Motorsport*

"William F. Milliken's autobiography, "Equations of Motion," is a marvelously entertaining read, all 658 pages. It is the remarkable story of a remarkable man . . . It will serve as the textbook to scholars of [motor racing]." - Cam Argetsinger

"A wonderfully entertaining book... he recounts challenges and joys in the air and on the ground." - *General Aviation News*

"It's just a fascinating look at motion through the 20th century." - Jay Leno

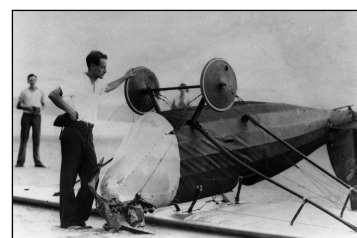
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Bill Milliken signs copies alongside his home-built M1 plane at the Owl's Head Transportation Museum, March 2007

Bill Milliken corners his Front-Wheel-Drive Miller on the way to the top of Pike's Peak, 1948.



Bill Milliken, age 22, assesses his M-1, Maine's first handbuilt airplane to achieve sustained flight, following its landing on Old Orchard Beach, 1933.

Sections

1. Growing up Down East, 1911-1932
2. An Engineer's Education at MIT, 1932-1936
3. War Effort, 1936-1943
4. Transition to Research, 1944-1947
5. Automobile Racing, 1947-1960
6. Automotive Research, 1956-2002