

# *They Filled The Skies*

**Arthur Young . . . Maker of the Bell  
Larry Bell . . . Aviation Trailblazer**



*by*  
**Richard S. Tipton**

### **ACKNOWLEDGEMENT**

Special thanks to Arthur Young, Bart Kelley, Joe Mashman, Floyd Carlson and Elton Smith who went back into the past to talk about the early days of helicopter development as well as to share their memories about the dynamic Larry Bell. Interviews with these helicopter pioneers produced a string of anecdotes and stories behind the stories that have never before appeared in print. Bart Kelley and Floyd Carlson also dug into their files and came up with photographs not previously released for publication.

They Filled the Skies  
by Richard S. Tipton  
Public Affairs  
Bell Helicopter Textron Inc.

Published by  
Bell Helicopter Textron Inc.  
P.O. Box 482  
Fort Worth, Texas 76101  
1983  
Cover design by Owen Day

# Arthur Young . . .

## The Maker of the Bell



Arthur Young checks over his Model 30, Ship No. 1, prior to a flight test in 1943.

### About Arthur Young

Arthur M. Young, who devoted 15 years of his life in creating the Bell helicopter, was born in Philadelphia in 1905.

In 1927, he received a degree in mathematics from Princeton University. Three years later he had entered private research on a helicopter that would lead to the development of the Model 47.

In the late 1940s Young withdrew from the Bell company to devote his full time to a "synthesis of science and fundamental philosophy." To pursue this work he established the Institute for the Study of

Consciousness in Berkeley, Ca. He and his wife, Ruth, divide the year between the Institute and their farm near Philadelphia.

Although Young is in his late 70s, his alert mind and boundless energy give you the impression that he could spend another 15 years inventing other revolutionary rotary wing products.

He is also the author of three books: "*The Bell Notes*", "*The Reflexive Universe*" and "*The Geometry of Meaning*".