



## INTRODUCTION.

This information was compiled, organized, and contributed by the following:

"Barney" Oldfield: Engineer, Designer, Builder.  
 Harvey Swack: Teacher, A&P Mech., and Public relations.  
 Dick Lane: Teacher, A&P Mech., Builder, Designer.  
 Bernie Holloway: A&P Mech., Engineer, Builder, designer,  
 Construction Information Author.  
 Paul Kepner: Aerospace Engineer, Builder.  
 John Reckel: Builder, Pilot, Construction Information Editor.

Send all questions pertaining to the building project, to the Barney Oldfield Aircraft Co. (B.O.A.) to be referred to the appropriate person for solutions and answers.

Unauthorized changes in the approved drawings will not be acted upon unless thoroughly discussed and tested. B.O.A. welcomes suggestions from builders. The builder must assume the responsibility for all unauthorized changes.

## CONSTRUCTION MANUAL HISTORY

The first instructions were written by "Barney" Oldfield. They were very brief and were not adequate for the amateur builder. More detailed information was deemed necessary.

Complete information, including tips from previous news letters, were written by Bernie Holloway, aided by contributions from various builders.

The first complete revised information became available in late 1974. They were written at the request of Harvey Swack and the many interested and enthusiastic builders we talked to at the E.A.A. conventions at Rockford, IL, and Oshkosh, WI.

## NASAD.

The BABY LAKES airplane drawings comply with NASAD quality standards, CLASS AA. According to NASAD definition: Plans are rated for "Average Amateur" level of skill or higher.

The builder need have no previous mechanical experience in aircraft construction or construction methods, it is recommended that you read some of the many fine books written about the subject.

Some excellent information sources and books on the subject are:

- 1 Experimental Aircraft Association, Whiteman Airfield, Oshkosh, WI.
- 2 Homebuilt Aircraft Magazine
- 3 C.A.M. 18, (Civil Aeronautics Manual 18) Available from E.A.A.
- 4 "The Sportsman Builder" and "Firewall Forward" by Tony Singelis
- 5 Manual 41.13-1, U.S. Govt. printing office

## MATERIALS.

Material packages are available from B.O.A. (refer to their latest list of material packages and parts with prices). On request, B.O.A. will provide assistance in locating suitable sources for other material, special mechanized parts, equipment, and engines.

Read these instructions and study them. Thoroughly examine them before starting any construction. We recommend that you purchase your materials from suppliers who handle quality, aircraft grade parts and materials.

These instructions are written in a suggested sequence of construction.