

MATERIAL AVAILABLE

The SSA has a variety of items available on a free distribution basis, unless otherwise specified. Request by item number or name from SSA, Box 66071, Los Angeles 66, Calif.

Item 3. FAI soaring awards application blanks.

Item 4. SSA membership application blanks. These are in the form of business reply envelopes, making it easy for new applicants to mail in their dues.

Item 6. SOARING . . . The S.S.A. . . and YOU pamphlets, telling about the sport of soaring, glider pilot certificates, how soaring is organized, what the SSA is and what it does, and how to get started in soaring. Ideal for answering the questions of prospective soaring enthusiasts.

Item 7. Region lists of soaring clubs and SSA Governors, by SSA region number, as excerpted from the SSA Directory. The list for each region lists all soaring clubs in that region, their addresses, meeting times and places, flying sites and contact persons and the SSA Governors' names and addresses for each state in the region. Add the region number in parentheses after Item 7 when ordering or just the state desired.

Item 8. List giving Availability of Plans, Kits, Partially Completed and Ready-to-fly Gliders and Sailplanes. At present, the list includes only U. S. designs for which details have been obtained, including a brief description, price, manufacturer's name and address. New equipment only.

Item 9. List of Glider Schools and Commercial Glider Operators in the U.S., giving location, equipment, services and prices, where known.

Item 10. List of Books on Soaring, where they may be obtained, prices and a brief description of each.

Item 24. Incorporation Procedures—California. Intended to show non-profit soaring clubs the way to incorporate, with specific details for the state of California.

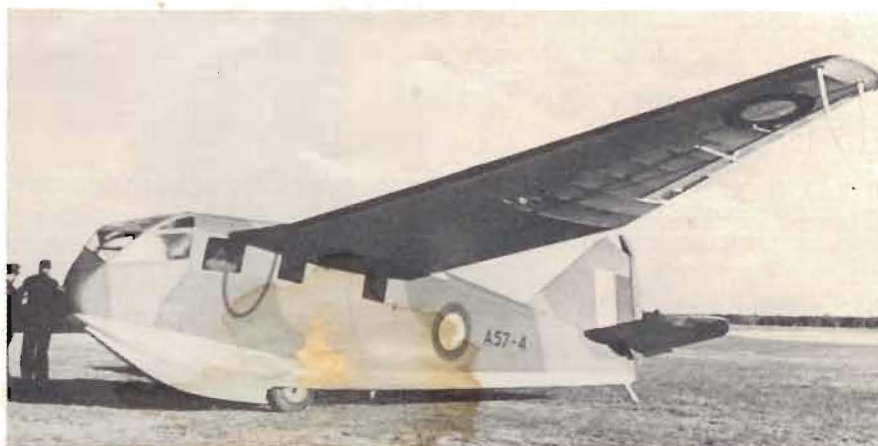
Item 28. Used Sailplanes For Sale List. Over 75 ships listed by type. N number, price and owner's name and address, as compiled from 1958 SSA census report forms, ads and owner's notices. Revised frequently.

Item 30. Film Library List, with rules governing use of the films. Request from Walter B. Hausler, 67 Fisher Rd., Rochester 11, N.Y.

AUGUST . . . 1959

INTERESTING GLIDERS

By PETER M. BOWERS



During World War II, the Australian Government issued specification 5/42 for a small troop-carrying military glider, and the De Havilland EG-1 and -2 designs were the result. The letters identifying the design were almost unbelievably direct - EG stood for "Experimental Glider."

Only one EG-1 was built, and it differed from the few -2's in that the 60-foot span wing was a one-piece straight-tapered structure. The EG-2 illustrated had a shorter wing of only 50' 6" which was tapered from a point just inboard of the aileron root. Layout was quite conventional, when compared to contemporary military gliders under development in other countries, and construction was

all wood. No mention can be found of the troop capacity of the design, but weight figures and the width of the fuselage indicate a military load of approximately five troops and the pilot. Any further information that Australian readers of SOARING can supply will be appreciated.

Specifications for the EG-2 are: Span 50' 6", Length 33', fuselage width 5', fuselage height 7'. Empty weight 1450 pounds, gross weight 3250 pounds, wing loading 9.7 pounds per square foot. The performance figures are remarkable - maximum speed 200 MPH, towing speed 130 MPH, and stalling speed 48 MPH.

SSA TECHNICAL SYMPOSIUM

The SSA Technical Symposium on Soaring will be held on Saturday, September 12, 1959, at the IAS Building, 7660 Beverly Boulevard, Los Angeles. Prepared papers will be presented at morning and afternoon sessions. If enough interest is shown, a group discussion on sailplane design emphasizing construction methods will be held either the evening of the 12th or the following day.

The following papers have been volunteered to date:

1. "HP-8 Flight Research" by Dr. August Raspet and R. E. Schreder.
2. "The Handling Characteristics of Sailplanes" by Bernard Paiewonsky.
3. "Phoenix Airfoil Investigations" by Dr. August Raspet.
4. "Sailplane Airworthiness Re-

quirements" by John Graves.

5. "Studies of Eppler's Airfoils at Low Reynolds Numbers" by Dr. August Raspet.

Many additional papers have been tentatively offered but not confirmed at this writing. It is hoped that this notice will prompt a few more papers to be finalized. In particular, there is a need to balance the fine aerodynamic papers offered with some on design and structural considerations and new construction techniques. In particular, the writer would appreciate hearing from anyone who has done any work with new or novel construction methods. Samples, comments or strength data concerning such methods are needed for the proposed discussion group.

B. H. CARMICHAEL, Chairman
SSA Aerodynamics Subcommittee