

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.

INTERESTING GLIDERS

By PETER M. BOWERS



The prewar German Rhonadler is one of the classic sailplanes designed by Hans Jacobs, and is a direct ancestor of the better-known Olympia and Weihe. It was manufactured in quantity by Alexander Schleicher at Poppenhausen-on-the-Wasserkuppe, where he still produces sailplanes, including an entirely different postwar Rhonadler (Rhone Eagle).

Configuration and construction of the Rhonadler were entirely conventional for the early 1930's. A feature was the "Pendulum" horizontal tail surfaces, in which both elevators were actuated by a single torque tube and no horizontal stabilizer was fitted. This feature was widely used at the time, but later fell into disfavor. It was readopted in modified form in postwar years, however, by adding a "Resistance Tab" to the trailing edge of the elevators to give positive feel to the elevator control that was in proportion to the air load on the surfaces. The advantage of the one-piece, or "Floating" tail is that a smaller area can be used, saving on weight and drag. It is interesting to note how many old aircraft features such as this are dropped only to reappear several years later in a slightly modified form.

Fuselage construction was the German standard of birch plywood over longerons and formers. The pilot sat under a built-up canopy, and a rubber-mounted skid took the landing impact following take-off from a dolly or the skid.

The wing used a wooden main spar with plywood D-section for tor-

sional stiffness, and built-up wood truss ribs. As on other Jacobs designs, the ailerons were constant-chord, and did not taper with the wing plan form.

The Rhonadler was a big ship, with a span of 17.4 meters (57 ft.). Length was 7.2 meters (23 ft. 6 in.) and the wing area was 18 square meters (194 sq. ft.). Aspect ratio was 16.8, but in spite of these proportions, the LD was only 1/20. Sinking speed was quite slow, .75 meters (2.46 ft.) per second.

ADVERTISING MGR. NEEDED

SOARING magazine is in need of a new advertising manager since the previous one has had to resign for personal reasons. Anyone interested in taking on this spare time position should write the Editor. The job involves developing materials for selling advertising, arranging for and coordinating the efforts of advertising representatives and otherwise striving to increase the advertising revenue of SOARING magazine.

"SOARING IN AMERICA" DELAYED

The new edition of SSA's pictorial promotional pamphlet, "Soaring in America," has been delayed somewhat but is now off the press. Free sample copies will be mailed to all voting members of SSA in the near future. General sale price is 15 cents per copy; however, clubs may obtain quantities of ten or more for 10 cents each. Just the thing for those prospective enthusiasts you know.