

**HELISOAR
SCHREDER**

**SAILPLANE
KITS**

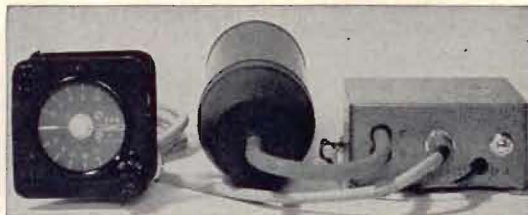
HP-10

Dick Schreder designed the HP-10 as a fast and able contest sailplane, to be supplied as a kit offering the economy and freedom to be customized that is provided through Amateur Experimental Certification. Safety is assured by metal construction and by very effective large span flaps. The substitution of flaps instead of spoilers provides a smooth unbroken upper surface for the laminar flow wing. Flaps also allow the pilot to vary the wing lift and drag characteristics. Raising the flaps above normal permits low drag for fast running, lowering them slightly improves the sinking speed for soaring, half flap permits slow landing speed, and full flap gives drag braking and steep approaches. The kit contains all the material for construction of the sailplane except instruments, cushions and paint. The material is cut out, formed, welded

where required, for the amateur builder to finish to size, trim, fit, burr, drill, rivet and assemble. Shipping crates are marine plywood so they may be used as part of the enclosed trailer, for which plans are supplied. The kit was carefully developed to comply with the requirements of FAA Amateur Built Experimental certification under CAM-1. Complete instructions with drawings are included. Calculated performance indicates a glide of 37 to 1 and sinking speed of 2 ft. per sec. with flap. Design max. speed is 150 MPH. The non-tapered narrow laminar section wing incorporates honeycomb sandwich wing skins for aerodynamic smoothness and simple construction. Span is 48 ft., aspect ratio 20. The 15 sq. foot flaps have a span of 32 feet and deflect 75 degrees. HP-10 sailplanes have flown in U.S. National Soaring meets in 1961 and 1962.

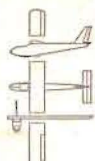
Kits may be purchased in four separate shipments.
Send two dollars for full technical brochure and color photo to
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**England to Host 1965
World Championships**

At the September 4-5 CVSM (FAI Gliding Committee) meeting in Paris it was decided that the 1965 biannual World Soaring Championships would be held in England. The hosts plans to conduct the contest in late May at the South Cerney Air Force Base and will try to permit 90 entrants, which should allow at least three from each country and maybe four or five.

New Records Claimed

FAI has announced the following new world soaring record claims recently:

Singleplace distance; 544.3 mi. (876 km.); in the names of the three West German pilots who accomplished the same flight on the same day and landed at the same time, Schaeuble, Rudolf Lindner and Betzler, flying Ka-6, Phoenix and Ka-6 sailplanes, respectively; June 2; from Hahnweide, West Germany, to St. Nazaire, France.

Multiplace 100-km. speed; 102 kmph (63.38 mph); Valerij Zaiganov of USSR; Blanik sailplane; Aug. 21.

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