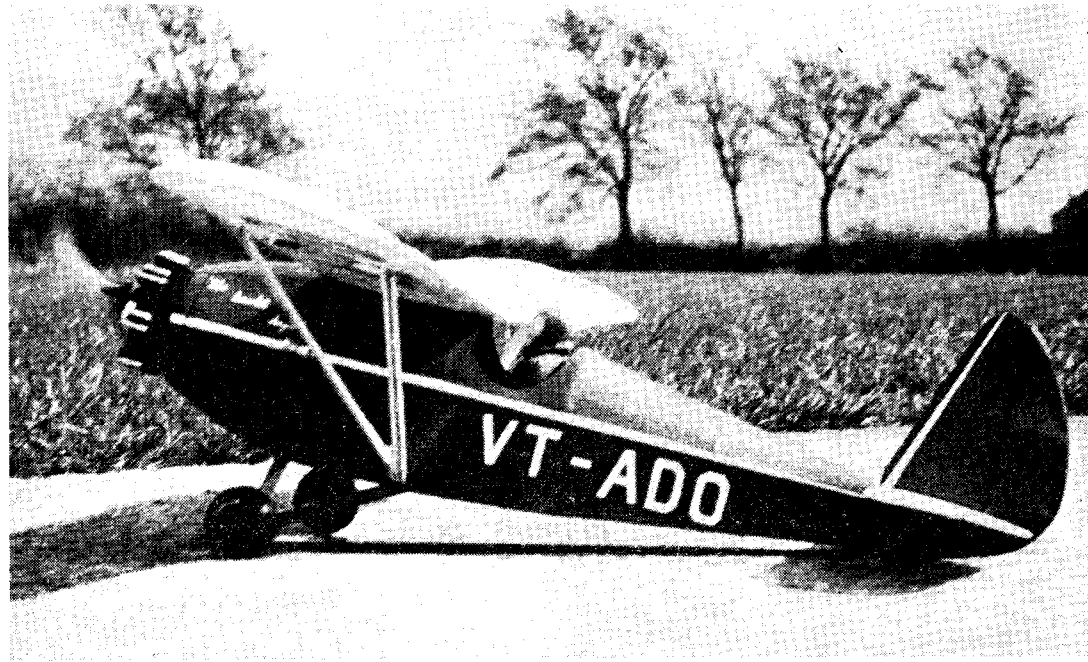


# FULL SIZE PLANS! COMPER SWIFT

An attractive scale rubber model, with power conversion details, for this attractive pre-war light plane

Designed by

DENNIS RATTLE



**L**OOKING for a subject requiring the minimum possible building time, but with good flying capabilities, I chose the *Comper Swift* as my entry for the Blackburn Trophy, a club competition of the Glevum M.A.C., which is held in two parts—Concours and Duration R.T.P. It took first place in the event, but flying is not restricted to R.T.P., it flies equally well F/F and conversion to an engine powered version is included on the plan.

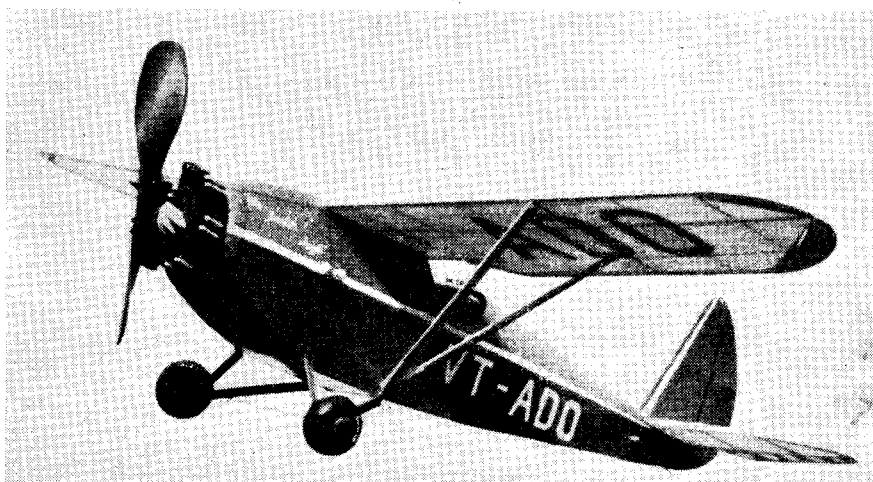
The actual aircraft was a popular sport 'plane in the 1930's and to the best of my knowledge one still exists. (Correct: *GA-BUS* regularly appears at air displays, etc., cockpit close-up is of this machine and photo was taken in 1958—Editor.) Three different engines were used at various times, but I have chosen the "Pobjoy" version as possessing the most character.

At 1 in. to 1 ft. scale, the span is 24 in., scaled up to twice this size, the model would be ideal for the smaller R/C equipment now on the market. This particular machine, *The Scarlet Angel*, (VT-ADO) featured in a book of the same name and provided the decor of the model. The only deviations from true scale are a slight increase in dihedral angle and tailplane area.

## Construction

This is straightforward, the basic fuselage sides being built one on top of the other for "sameness." Cement formers to one side, join second side, add decking, sand nose laminations and nose formers to shape *in situ*.

The wing and tail are also quite straightforward and constructed over the plan in the usual way, but to ensure a good flying performance a warp-free structure is essential.



## Covering

Use lightweight tissue throughout, water shrink, apply two coats of *thinned* clear dope, colour with two coats of thinned Humbrol. Decorate as indicated on drawing and I suggest the use of stencils for registration markings.

## Colour Scheme

*Fuselage*, fin and rudder—scarlet, white registration and trim lines. Name *The Scarlet Angel* in white on nose. *Wings and tailplane*—white, scarlet registration and trim line (trim line on underside wing only). Struts white with scarlet trim.

## Wheels and Engine

The aircraft owes much of its character to these two items and time spent thereon will be well rewarded in the finished model. The more experienced modeller might wish to improve the performance by incorporating a gearbox in the dummy engine. For this purpose the gearboxes supplied with the ready-to-fly Frog *Mk. V* or *Buccaneer*, being obtainable as a separate "spares" item, are ideal.

## Trimming

Ballast with Plasticine inside the nose (most probable) or tail, to balance at indicated position and check glide. When satisfactory, apply some 200-300 turns on the motor and trim out any power stall tendency with downthrust packing, or undue turning characteristics with side thrust. For the Tee Dee powered model, obtain running shoes!

