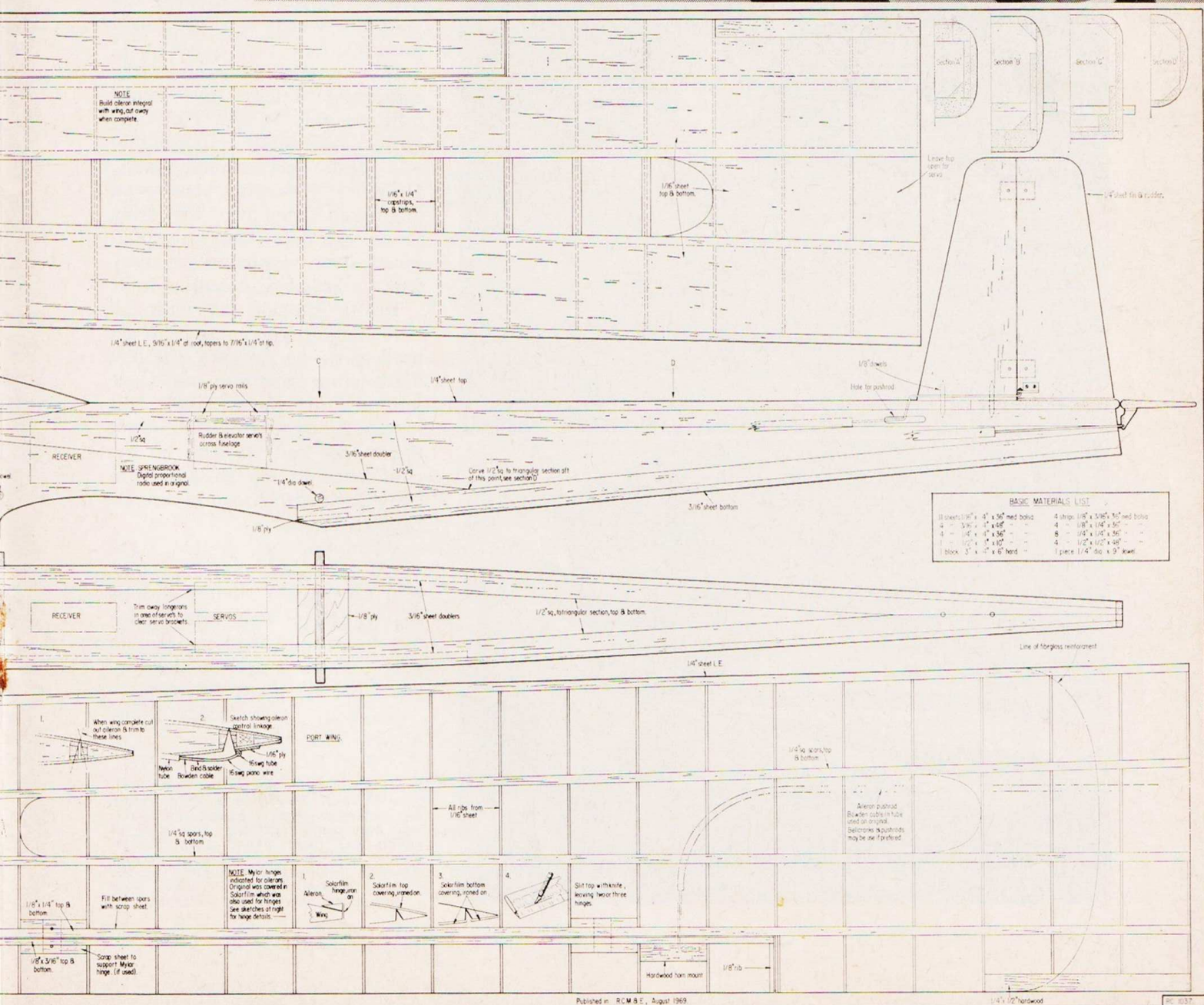
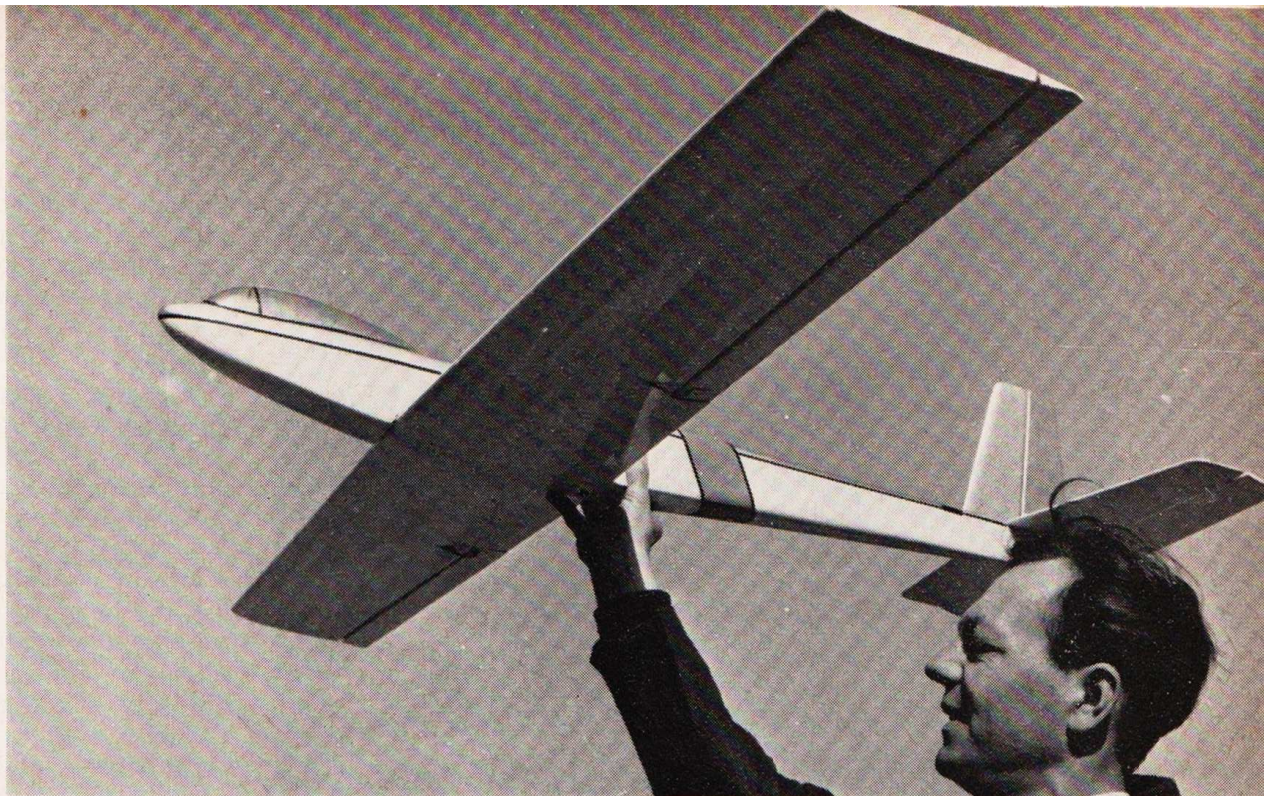
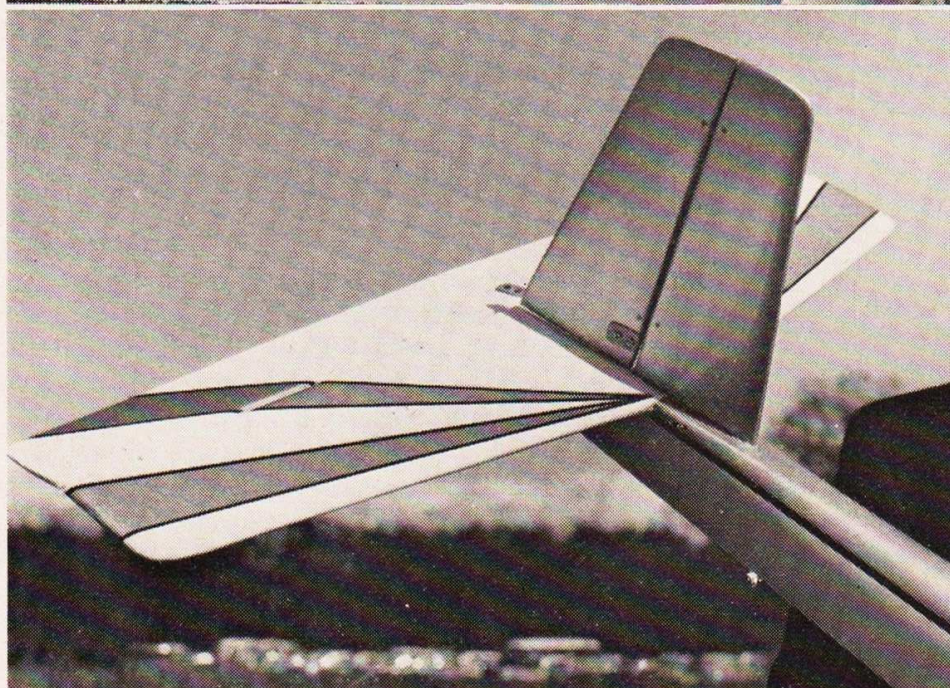
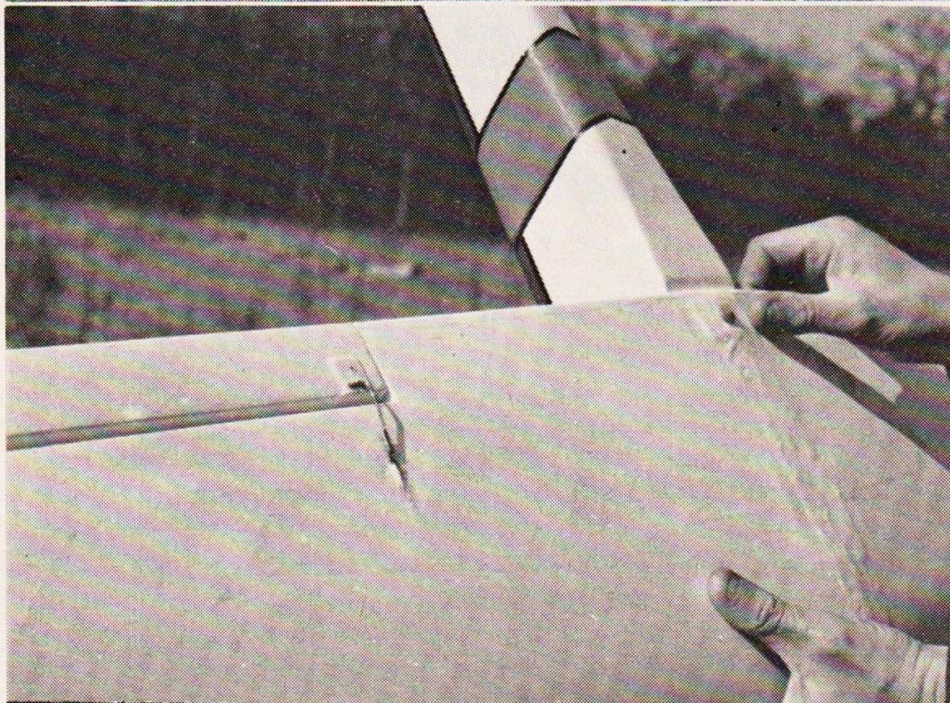
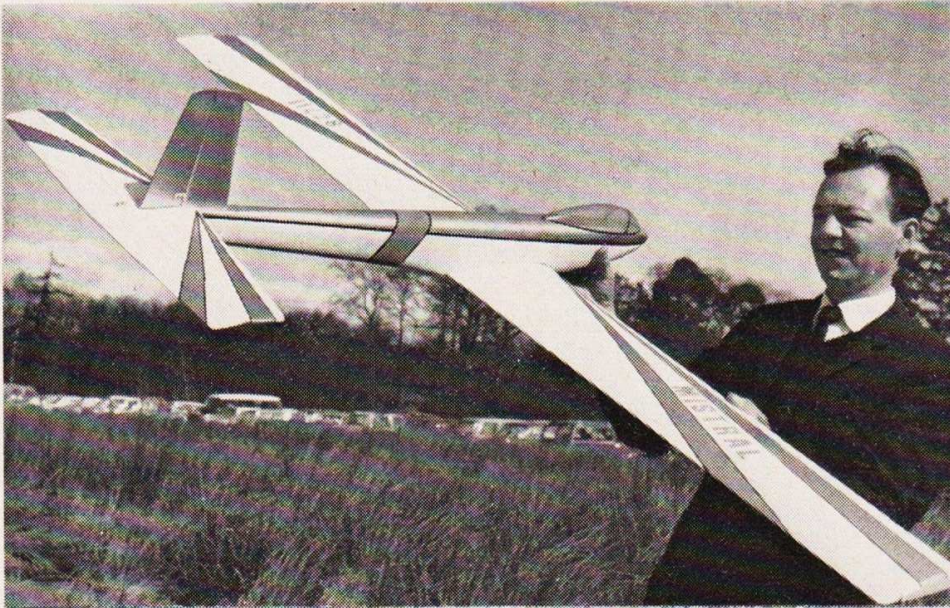


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Fin and Tail plane. – These were made of $\frac{1}{4}$ in. sheet soft balsa as per plan – not too soft though, you don't want to induce tail flutter.

Wings

Although the wing construction is shown on the plan as conventional structure, I used polystyrene wing cores and covered them in 1/16 in. sheet light balsa.

One of my aims when designing and building this model was to keep the weight down to a minimum and so when the model was complete I had to choose a suitable covering material. After considering the alternatives I finally decided on *Solarfilm* which is a very light material.

On completion, with radio equipment fitted, my model weighed only $3\frac{1}{2}$ lbs. Not only had I a light model, but one that was fast and manoeuvrable. However, I would recommend that when flying your low wing soarer you take along an experienced flyer, as beginners may find it a little hair-raising at first.

Really though, as with all models the trick is simply to get used to it – as they say, the first flight is the important one. Once you are over that hurdle, it's merely a question of feeling out the model and building up the confidence to try all the manoeuvres which *Mistral* is capable of performing.

When you get to that stage you'll be really enjoying yourself. Low passes along the slope are a breeze with this model, but be sure that there are no people about to get in the way when you try that manoeuvre.

So there it is – enjoy yourselves – with *Mistral*.

Top left: designer Squire Kay and prototype *Mistral*. Squire is a wizard with the *Solarfilm* – has a knack for covering compound surfaces the like of which we have never seen before. Centre left: underside of wing showing bolt retained and linkage to the aileron. Bottom left: tail cone. Note one-piece elevator for simplicity.