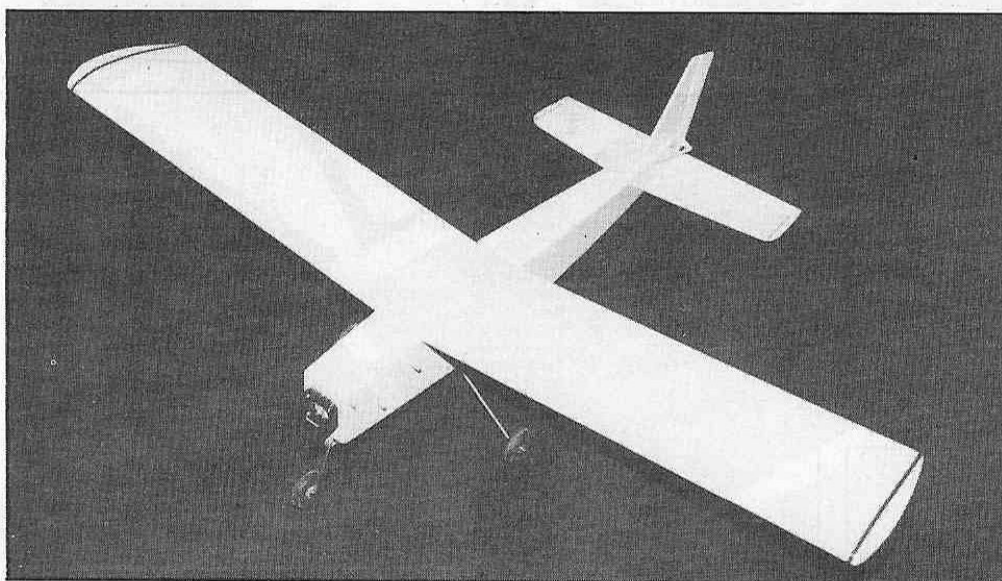


Mini-Pronto

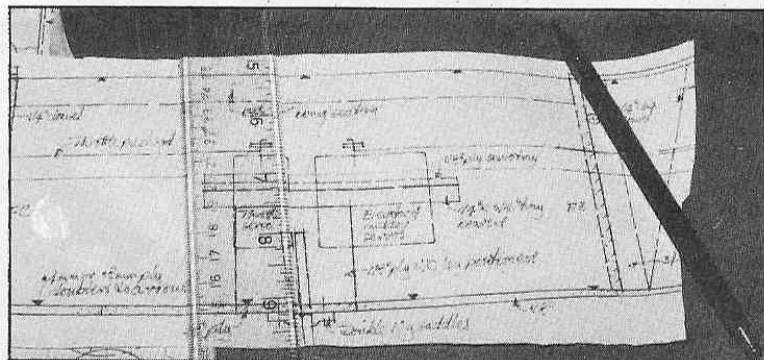


Mini-Pronto, above, note how plain it looks compared with the Ikarus colour sticker decorated models, top.

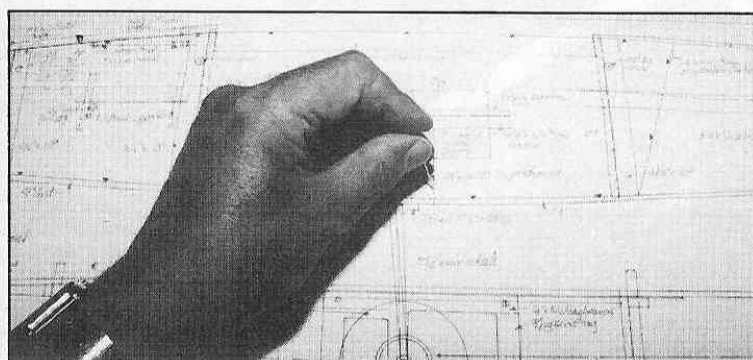
**48in. wing span
Basic Trainer for
.15 to .19 engines
and three function
radio equipment.
Designed by
David Boddington**

AS THE CONSTRUCTION of the Pronto-G, big brother, was described in the October issue I will limit the instructions here to basic notes. The picture-board series of construction photos should, in any case, be more than an adequate substitute for words.

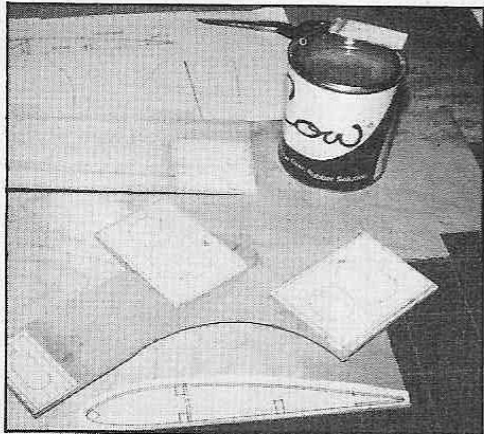
Just a few reminders. Select your wood so that opposite pairs i.e. fuselage sides, wing spars, wing sheeting etc. are of equal quality (when purchasing wood from a stock you may



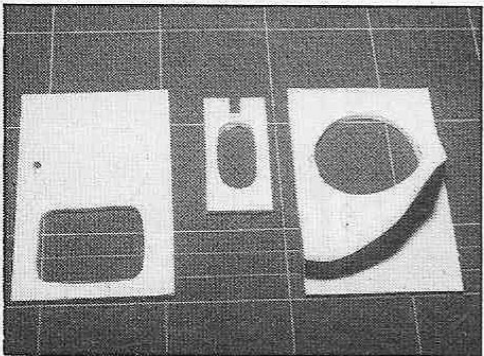
Transferring shapes from drawings to material - by means of carbon and pencil.



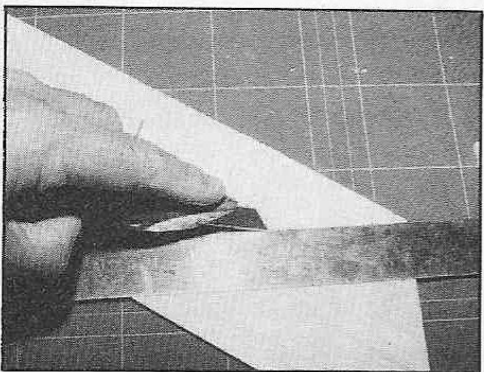
An alternative method of marking wood by 'pinning through' from drawing.



Sticking photostat copies of components with Cow gum - easily removed.



Cut out parts and then remove photostat paper and rub off Cow gum.

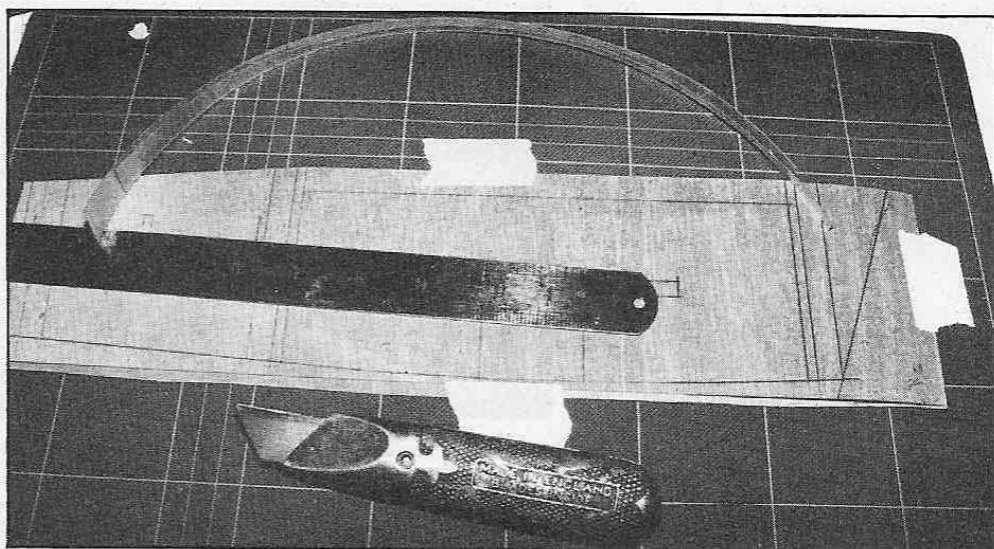
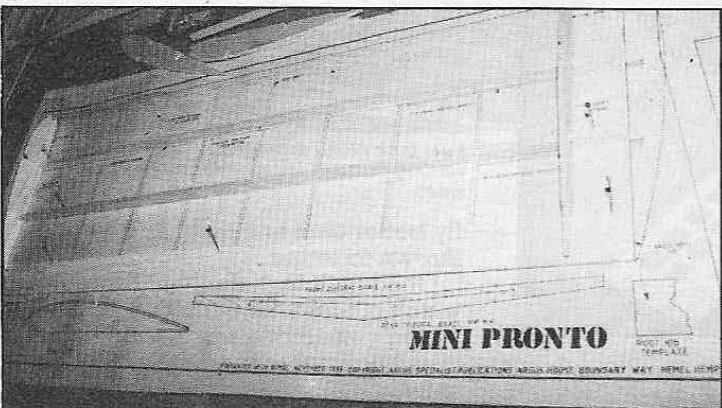


Always cut part by shielding it with the ruler - any slip cuts spare material, not part.

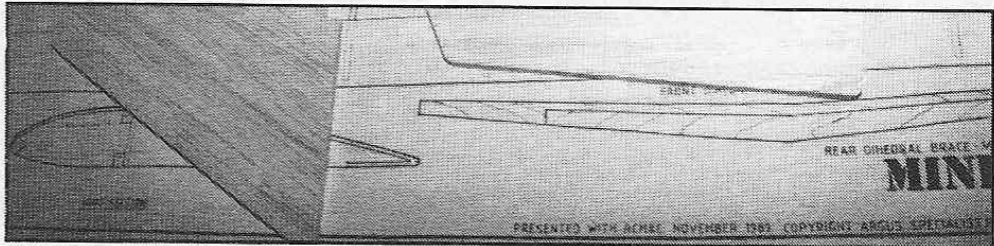
find that every other sheet from a stack is paired, you can check by comparing grain). Avoid the temptation of choosing the strongest - and heaviest - balsawood for all parts, it is only needed for such items as wing spars. Weight watching is important at all stages of construction and finishing.

Work out the positions of your radio equipment and linkages before commencing construction, this is even more important with smaller models. Cut out the parts accurately, if you

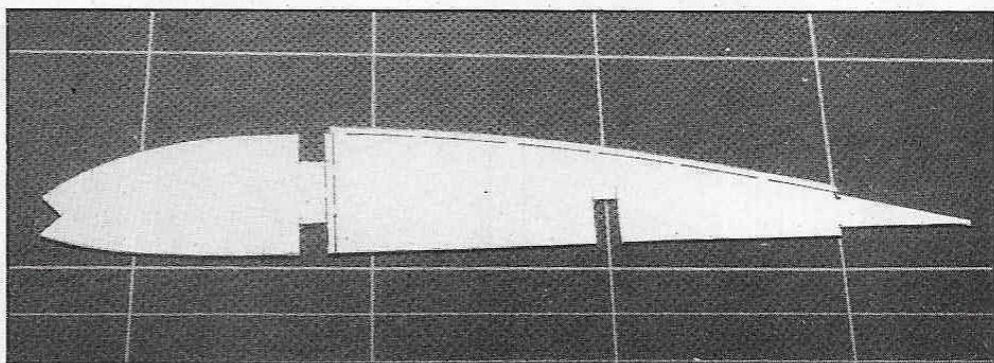
Pin down lower spars and trailing edge, using ribs to check for accurate spacing.



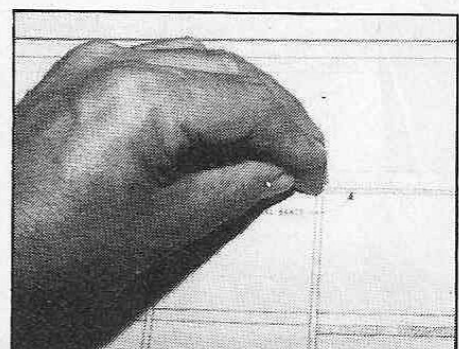
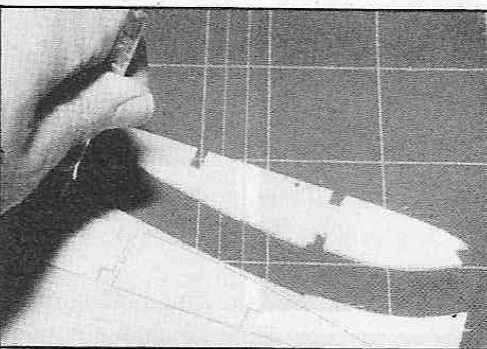
Cut the left and right hand plywood fuselage doublers together by taping the two thin sheets of plywood to the cutting board.



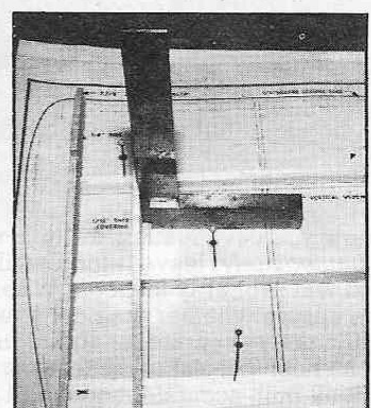
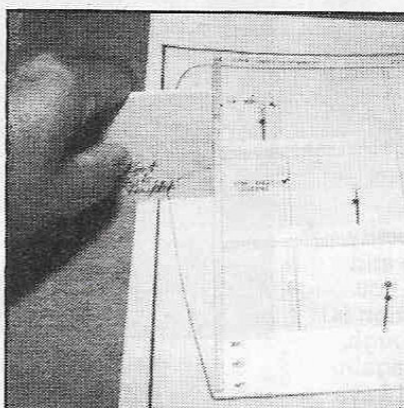
All of the tail surfaces are from balsa sheet, select firm but light balsawood and sand smooth before covering.

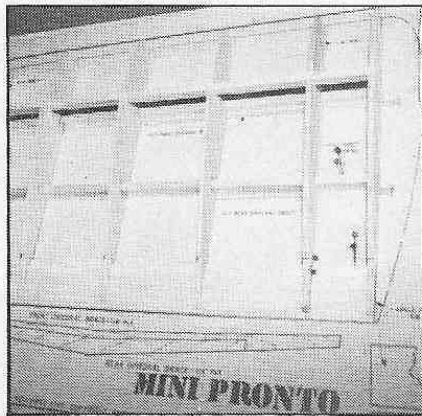


If you cut out the wing ribs by the 'sandwich' method you will require two rib blanks, this template is for cutting single ribs, as below. Apply candle wax or hard soap to drawing before construction, below.

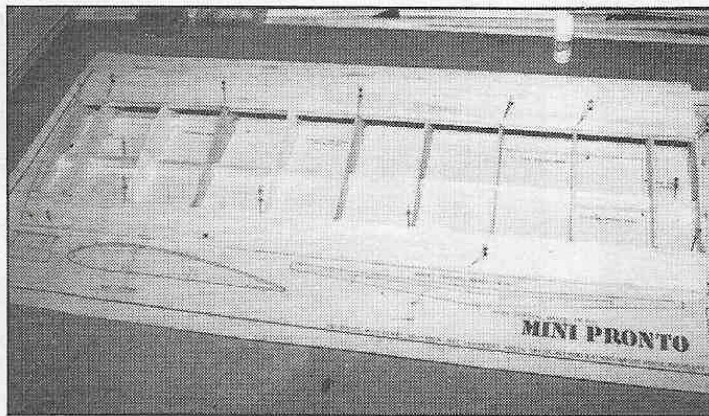


Check root rib angle with template and other ribs with set square.

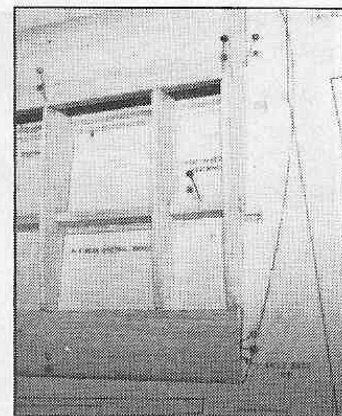




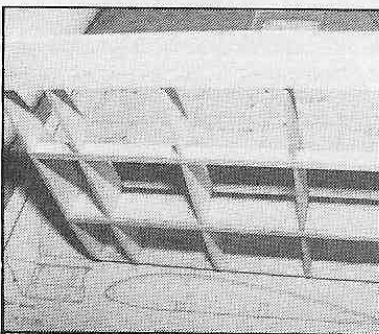
Glue all ribs in position, plus top spar and then the leading edge strip.



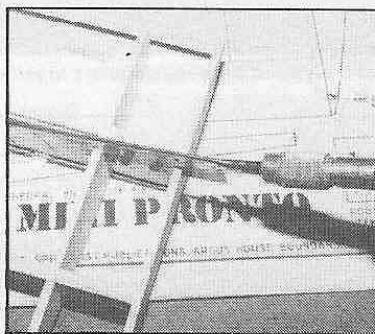
Glue and pin trailing edge and rear of leading edge in position.



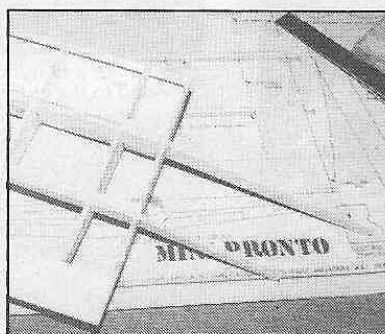
Glue leading-edge sheeting throughout - dampen top surface if necessary.



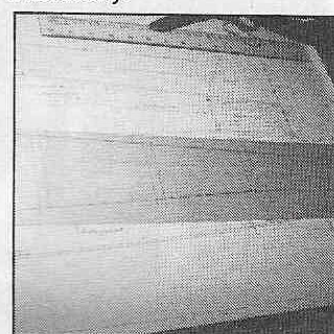
Add vertical grain webbing to top and lower spars.



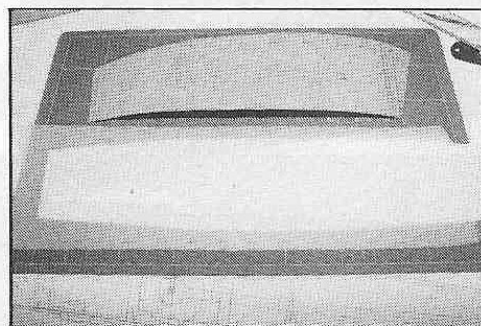
Cut slots for dihedral braces in root ribs to correct depths.



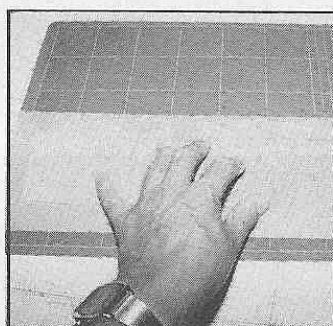
Glue braces one wing panel, check for dihedral when the second panel is joined.



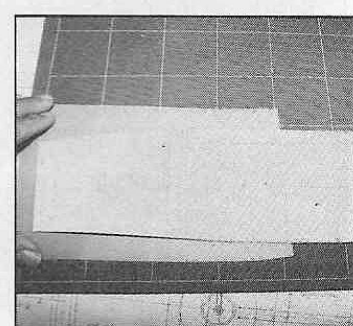
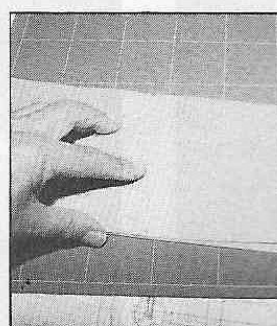
Mark on positions of formers and doublers on fuselage sides.



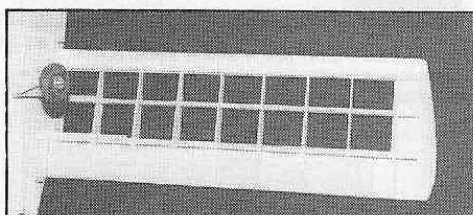
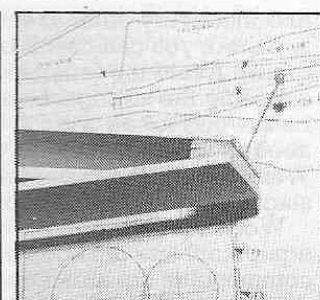
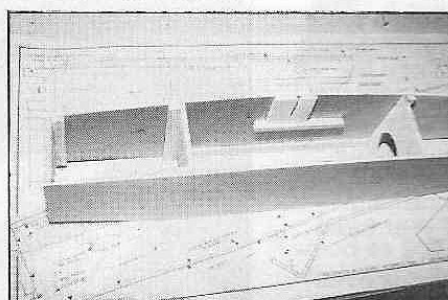
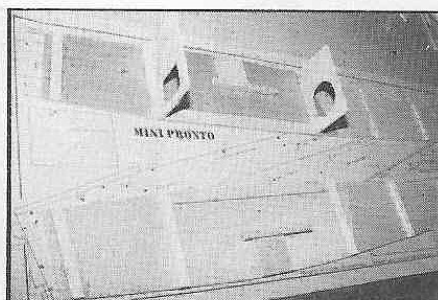
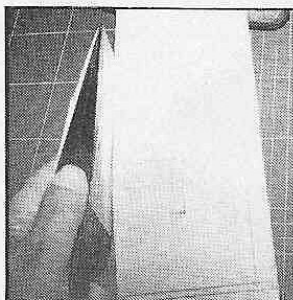
Coat front of side and ply doubler with contact glue, leave to dry and position grease proof paper between. Carefully fit doubler over side.



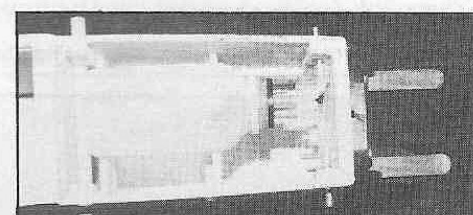
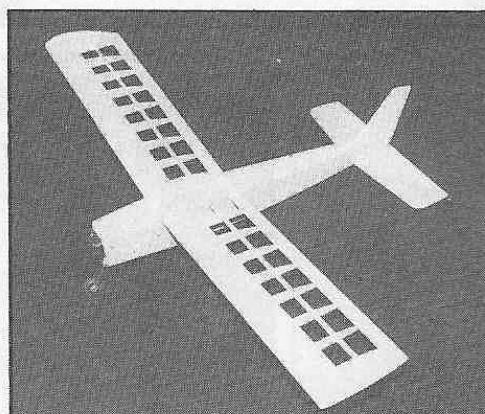
When accurately positioned remove the greaseproof paper, pressing the doubler onto the side for a firm bond. Illustrations below show the build-up of the fuselage structure.



Stern posts have to be slightly chamfered to give good rear end joint.



Wing leading edge is not sheathed on the underside. Ready to cover Mini-Pronto, right, is inexpensive to build.



Fuel tank (2oz.) arrangement allows filling and venting through independent tubes in fuselage sides.

know you have made a mistake rectify it *immediately*, leave it for a while and you will probably forget it. When you are unsure whether your construction is sufficiently accurate, or strong enough, don't hesitate, just make that part again. A well built accurate model will always

fly better than one that has been thrown together.

Good luck with the Mini Pronto and watch out for next month's free booklet giving you advice and instructions on installing your equipment and learning to fly.