



PEANUT "Wee Will Jr."

clearance, this aircraft had lots of prerequisites for becoming a successful scale model.

braced monoplane racers powered with case, but it seems so). in-line aircooled engines. Wee Will Ir. is cumstances of its design, maybe evolution balsa. Two nose block parts, two nose parts like the horizontal tail. is a better term. It was designed somewhat plug parts, two landing gear struts, four. Take the fuselage side frames from the differently, then remodeled by crash and wheelplant centers, and the front top plans and separate them, using a piece of place and insert the monofilament hold-Will Ir, has features which inspire a Peanut from 1/8 short for you can cut twich as pox by adding top and bottom cross adhesive. Scale design. These include a long nose, many of each and laminate them for thick- braces at each of the fuselage frame upand a relatively large horizontal tail, as ness using 1/16th sheet). Body formers are rights. Now add the fuselage top formers.

A five-view of the real airplane, also of information, and inspiration. (Hirsch be weakened. sold all of his material to Repla-Jech International, 48500 McKenzie Hwy., Vida, Oregon 97488.)

Over several years, Wee Will Jr. was powered with two successive Cirrus engines and a Menasco. Our model is of the airplane with the 349 cu. in. Cirrus, because it had a propeller spinner and more clearance for a rubber motor under the cowl.

The color scheme was two-tone blue. with a medium and a light blue, and white numbers and lettering. A white pin stripe separates the color line.

Well, let's make this cute little thing. Start by cutting out all the sheetwood

This is a Peanut Scale model of the parts are cut out first and then the struce its nutboard end.

rebuilt in the configuration modeled. Wee former, as well as the two sub-ribs, are cut thin razor blade. Now assemble a fuselage ling it in place with a small drop of well as a long landing gear so a long pm- 1/32. The piece of the fuselage side fram- When this is dry, add the top decking and peller can clear the ground for ROG, ling that goes just above the wing is cut the top and side stringers. To keep the larea requires a male mold and a vacuumfrom V16. All parts are balsa.

known as "Model 22," is available from shown hatched in the side view), directly very hard balsa or model railroad bass- the model's appearance, however). R.S. Hirsch, 8439 Dale St., Buena Park, over the plans. Straight pins are excellent Ca. 90620. Mr. Hirsch has 300 racing air- for locating the longerons, but do not 1/32 by 1/16 installed on edge. They are idea is are simply drawn in with felt penplane drawings for sale and his brochure poke them through the 1/16 squares, sanded thinner towards the rear and incosts only \$1.50. It is an excellent source—which are liable to split and will at least

> the wings and tails, also directly over the ling an Uber Skiver, with a sharp new scale. So make a couple of decals, plan. The wing tips should be raised off blade, cut out all the top fuselage frame be flush with the top of the leading edges way.) gear struts. Wing spars are cemented into board cut about 1/32 of an inch out of the a can of spray-on clear gloss lacques. the rib notches. The forward spar is bent spars adjacent to the inside of one of the slightly down to meet the tip. The rear center ribs and cut the leading and trailing rection fluid, draw the arrow with the trispar, which is 1/16 by 1/8, on edge, will be edges just outboard of the rib. Raise that angle and wings on a piece of blank decal

1931-32 Cirrus 349 cu. in, powered racing ture is assembled, rather than cutting out. The vertical tail outline must be plane. The early thirties saw the emer- the parts as the structure needs them for shimmed up off the plane of the plan by gence of aerodynamically clean wire—assembly (That may not actually be the about the thickness of a file card so as to be symmetrical with the 3/32nd thick spar The tail outlines, wing tips, and outsides and ribs. Or you can simply make it leader is used to simulate the wing and typical of this class. Because of the circ of the wheel pants are cut from 1/16 sheet directly over the plans out of 1/16 thick tail brace wires. With the modern Cyano-

> stringers thin and still not have them sag formed windshield. IA simpler wrapped Build two fuselage side frames (they are too much when the model is covered, use around shape won't detract too much from wood for stringers. The stringers should be Control surface outlines, and cowling stalled flush with the tail post. (The three - thing that is really required to make this bottom stringers are installed after the model look good, and unfortunately the While the side frames are drying, build wing is installed on the toselage.) Now us- letters are only 14 point at the correct

about half above the tip and will be ta- wing tip about 3/4 of an inch and cement paper. Then carefully rub on the white parts. It always seems to go faster if all the pered down to match the tip thickness at the cut ends of the spars and edges to lettering for WEDELL WILLIAMS above

gether again. Once this dihedral joint is dry, do likewise to the other side of the wing assembly.

Now lightly assemble the components of the model and check that the surfaces appear to be lined up correctly. It is easy to spy misalignments at this point, and lots easier to fix them before the model is

Now is the time to complete the cowlsides and bottom and to fit the nose pluginto the fuselage frame and to carve the noseblock and cowl to contour.

Carve and sand the wheel pants and landing gear struts to contour and test fit. them together and in location on the subribs of the wing.

Once you are satisfied with the bare bones assembly, carefully disassemble the components, and cover them with tissue The fuselage can be completely covered with light blue tissue, except for the bottom, which can only be completed after everything else is covered and assembled. Then add the bottom fuselage formers (which are simply short spacers for the stringers), and add the three bottom stringers. The dark blue part of the fuselase is double covered with darker tissue over the light blue. The landing gear legs and wheel pants are covered with dark tissue also.

Propeller installation follows standard procedures using a rylon thrust button and a plastic six-inch diameter propeller as supplied by "Peck-Polymers," A short length of 1/16 dia, aluminum tubing is used for a rear motor peg. The propeller spinner is carved from balsa, split and fitted to the prop.

Two-pound test monofilament fishing acrylate adhesives (super glues), it is a simple matter to poke a hole in the right.

Unfortunately, Wedel:4Williams used a windshield that wasn't a simple wraparound, so that to be exactly scale in this

First get some blank decal paper, Model the plane of the paper by 3/16 of an inch cross pieces that would interfere with the shops that specialize in quality plastic at their extreme outer end. They should -rubber motor, (That is all of them, by the - models carry "Microscale decals," or "Scale Master" decals will probably have and down at the plane of the plan at the Remove the wing assembly from the ... some blank decal sheets. Second, get a trailing edge. Cement the sub-ribs to the plan and sand the leading and trailing sheet of white Helvetica medium 14 Pt. outside of the two centermost ribs to pro- edges to the airfoil contour. With the rub-on lettering. Third, get some white vide a mounting place for the landing center section pinned down to the work. Correction fluid, and fourth, you'll need

Now using a fine nib pen and the cor-

and AIR SERVICE CORP, below the arrow Now carefully give the whole sign a very light coat of lacquer. After this dries, you can hit it with another heavier coat of lacquer. When this is dry, it can be used just like any other decal.

I suspect that the arrow should point forward on both sides of the model, but I only had pictures of the right side of the real airplane, and I made both decals alike and got them on the model before I realized the possible mistake.

Flying the Wee Will Jr. is similar to most other Peanuts. Right and down thrust was built into the model, which turned out not to need any thrust adjustment, so the built-in adjustment had to be removed! The model should balance about balfway between the front and the rear spar.