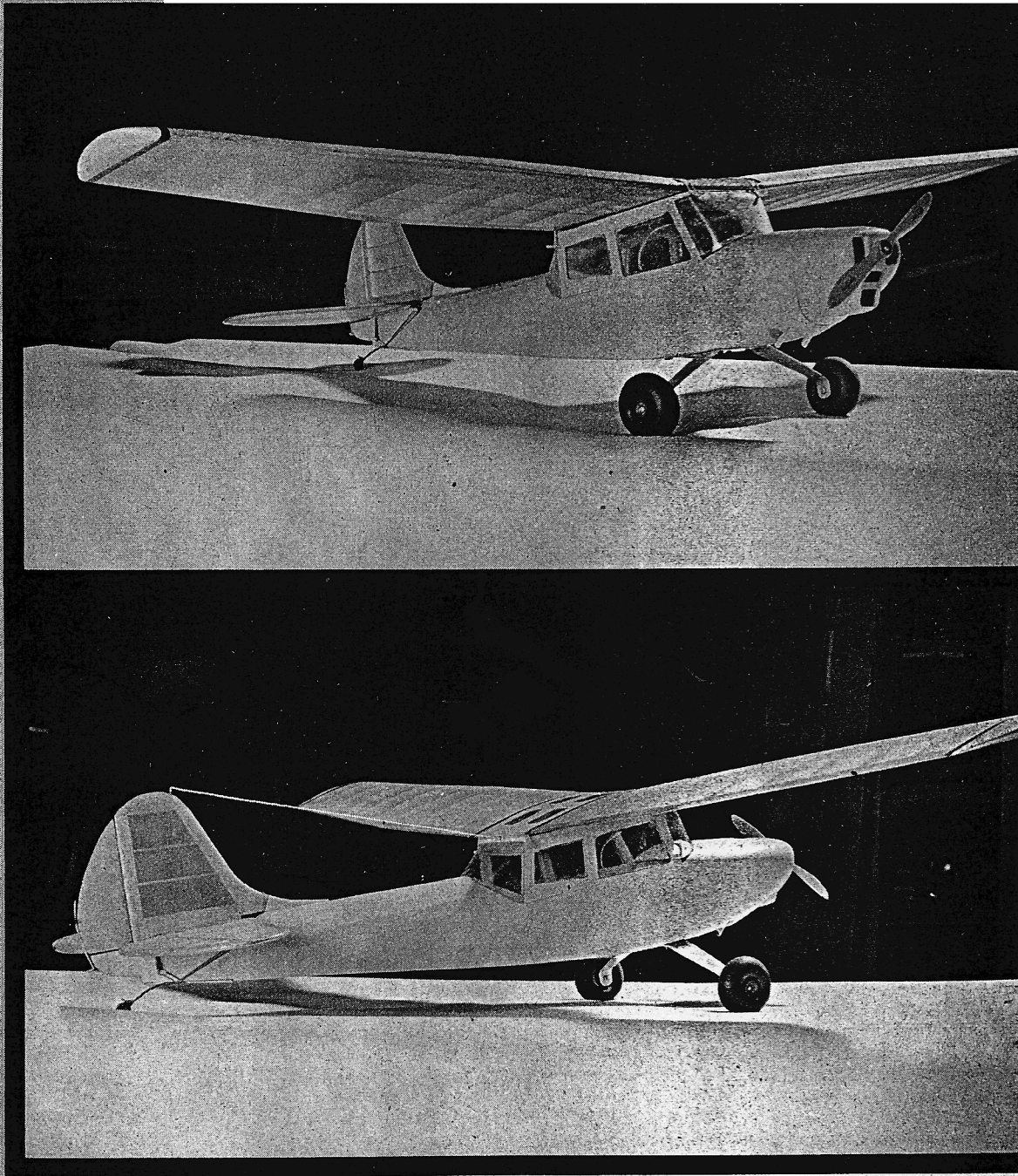


Cessna L-19 "BIRD DOG"

Functional Radio Controlled Replica of a fine liaison aircraft. Rugged, capable, stable flyer. Takes an .049, light R.C. gear, eager attitude.

By Vince Micchia

Restored by Hlsat



► The Cessna L-19 "Bird Dog" needs no historical introduction. Every modeler knows the background and important military performance of this

FLYING MODELS

fine little ship. It seemed to us to be an ideal choice for a Scale Radio Control design.

Three prototypes have proven to be

consistent and almost identical flyers, test flown with the following C. G. receivers: RX1, RT1-3V and Saturn. Any moderate weight radio equipment

CESSNA L-19 "BIRD DOG" continued



Spans 46", plans 1/4 scale—structurally sound!
Trim is olive drab, yellow National Guard decals.
Author too weary at this stage—a novel excuse.

can be installed, with good results.

For power we have used Cox RR-1 and Golden Bee, due to the convenience of the radial tank mounting. These mills with a 7-2 Tornado prop have put out sufficient power for repeated R.O.G.'s. So enough of the gab, let's get down to work. Plans are easily scaled up along reference line, by pacing off key dimensions with dividers.

Fuselage: Build two cabin frames from 1/8" x 3/8" balsa, over waxpaper covered plans. Trace and cut out two fuselage sides, from 1/16" x 3" sheet balsa. Cut out two doublers, F1 as detailed. Cement cabin frames to fuselage sides. Use a 1/16" spacer at front of frame, to allow for former F-1 and cement doublers in place.

Cement formers F3 and F4 to both fuselage sides, remembering to trim F4 thru F9 to allow for your torque rod, rubber and escapement.

Shape the 1/8" x 1/4" tail post from plan and cement the rear of model in place.

Cement together formers F8, F9, F5

and F6. When dry, position along with formers F7. Next add formers F2 and pre-drilled firewall, with nuts attached. Firmly cement former F16 in place.

Position formers F14 and F15 level with top cabin sides. When dry cement in 1/8" x 3/8" cross-braces and hold-down dowels. Front cross-brace should be notched to take dowels.

Cement in former F17 and F3A. Fuselage front end is now ready for installation of the planking.

Cement 1/16" sheet former F11 in place in top notch of the rear formers. Add former F4A and plank rear cabin, overlapping former F5 only. Add formers F10 on each side, overlapping former F9.

Cement in all stringers, formers F18, F19 and F21, followed by cabin window frame and former F22. Install escapement and torque rod linkage and complete planking bottom of fuselage, following the detail on plans for the tail wheel.

Cowl block detail is self explanatory and should offer no trouble. R3

Tail block is 3/16" sheet, medium grade, and completes this part of the structure.

Wing: Standard over-plan flat construction is used on the wing. Optional window sections, in planked center of the wing, may be cut out, or painted in. Assemble carefully, for warp free construction.

Stabilizer and Rudder: All "R" and "S" parts are cut from 3/16" sheet and assembled perfectly flat.

After fine sanding, original models were covered with light weight yellow silk, clear doped with fuel proof dope and trimmed to suit.

1/16" sheet metal aluminum landing gear may be screwed or attached with rubber bands. Trexler 2" balloon wheels seemed best for existing conditions R.O.G. reliability. Approximate down and right thrust are built in. Make sure your C.G. is located as shown on plans.

R.C. Scale is beautiful in the air and will attract interest at any flying field. For sheer pleasure you'll be glad you built the "L19". Good Luck! ●