The VE-9 was a two-seater biplane produced for the U.S. Army Signal Corps in 1919. Primarily designed as an Army trainer, it was the first aircraft to be manufactured by the Lewis and Vought Corporation.

Our model is that of the Navy version VE-9, scaled to 25½" span. On the drawing we include, in phantom lines, a conventional landing gear and tail skid. Also shown is an arresting hook for use in competition in the Navy Carrier Event. If the model is to be used for this event, substitute plywood instead of balsa for former F.

We chose the Cub 14 as the power unit because we felt it could be used successfully in the VE-9; this engine being light, but packing lost of power.

**FUSELAGE:** Building is started with the fuselage. The sides and bottom, including formers C through F, are ¼" sheet balsa. The ½" × ¾" hardwood mounts are cemented to the fuselage sides and allowed to dry. Formers A and B are cut from ¾" plywood. Note the cut-out in former B for the fuel tank mounting. The fuselage top is shaped from balsa block and hollowed out as shown. A 2" bellcrank is bolted to a piece of ½" × ¾" hardwood and cemented to the bottom of the mounts. Two holes are drilled in the fuselage side for the lead-out wires. Soft block-balsa is shaped for the nose and lower portion of the fuselage as shown. Before cementing the top of the fuselage to the sides, secure the fuel tank in place behind the firewall as indicated on the plans.

**FLOATS:** Float construction is simple, being built around a ½" sheet balsa crutch. Formers F-1 through F-7 are shaped from ¼" sheet wood and cemented to the crutch. When completely dry, add the ½" square stringers. The ¼ 16" sheet covering is soaked with water on the outer surfaces and then pulled over the formers. The lower sheet covering is fastened last. Both fore and aft sections are balsa blocks.

**TAIL:** Tail surfaces are shaped from ½" sheet balsa. The elevator carries (Please turn to Page 42)
CHANCE VOUGHT
Plate 1A

CHANCE VOUGHT
Plate 2A

BLOCK BALSA

8" SHEET

FILLER

TANK

DUMMY ENGINE AND
EXHAUST

HARDWOOD MOUNTS

CUB 14

VENT

BEAR FOR LAND
PLANE

1/8" DOWEL

1/8" SHEET CRUTCH

1/8" X 1/4" STRUTS

1/8" WIRE LINE GUIDE

ARRESTING HOOK

TIP FLOAT TOP VIEW

1/8" X 1/4" STRUTS

BALSA BLOCK

ALL FORMERS & RIBS
SHOWN FULL SIZE

PAUL J. BALANCE

FLYING MODELS

FLYING MODELS