







Cicada

By Hoh Fang-Chiun

• In an endeavor to build a free flight sport model employing simple construction methods yet differing from orthodox designs, I decided to experiment with the tiny Cox Pee Wee as the power-plant. The good flying quality which the model later displayed came as a pleasant surprise.

From the first glance at the pictures, one may perhaps think the model which I named "Cicada—a cute summer insect in the Orient—is an amphibian. My prototype, however, is made for flying over land only. But with minor modifications to the fuselage bottom, I believe the model could be adapted for Rise-Off-Water flying too. Also, the spacious fuselage will certainly make the plane a possibility for the increasing popular "Quarter-A" R/C flying category.

The specifications of Cicada are • Wing-span 28-1/2", wing area 126 sq. inches, weight 5.9 ounces, total length 20", stabilizer area 38 sq. inches (30% wing), wing loading 6.75 ounces/sq foot.

As the construction of the model is fairly obvious, I feel further details would be superfluous. As can be seen from the pictures, the building material is of a minimum order and I am certain that the model can be constructed from any modeler's scrap balsa pile!—Hoh Fang-Chiun.

Note: Full size plans for building "Cicada" Land-Phibian sport free flight are a part of Group Plan #1259 from Hobby Helpers, 770 Hunts Point Avenue, New York 59, N Y. This set also includes "Ramblin" Wreck" and "Wee-38" from this issue. When ordering plans, give plan number rather than model names

ALL WOOD IS BALSA EXCEPT WHERE NOTED

0 1/2 1 2 3 4 5 6 7 8 9 10
SCALE IN INCHES

ENGINE NACELLE LOCATION TOP VIEW

1/32" SHEETING TOP & BOTTOM

1/4" X 3/8" LEADING EDGE

1 3/8" DIHEDRAL UNDER EACH TIP

WD WD WD WD WD WC WB WA WA

1/8" HARD SHEET BRACES

1/8" SHEET

1/32" DIA. T.E. PROTECTOR WIRE GAUZE REINFORCED

3/16" X 3/4" TRAILING EDGE

COX PEE WEE .02 SHOWN

SOFT BLOCK

3/32" PLYWOOD

NOTE:
ENGINE IS HELD IN PLACE WITH RUBBER BANDS.
USE 4" X 2 1/2" OR 4 1/2" X 2 1/2" PROP

FRONT REAR

1/8" HARD SHEET DIHEDRAL BRACES

1/16" DIA. WIRE

WINDSHIELD

1/8" SHEET WING PLATFORM

1/8" DIA. HARDWOOD DOWEL

1/16" TOP SHEETING

ALUM. HINGE

TRIM TAB

1/8" SHEET FIN

BLOCK

C.G.

1/32" DIA. WIRE

1/16" SHEET STAB MOUNT

FA FB FC FD FE FF FG

ADD WEIGHT TO BALANCE AS NEEDED

1/16" DIA. LANDING GEAR

FUSELAGE SIDES & BOTTOM 1/16" SHEET

1/8" DIA. HARDWOOD DOWEL

1/8" SHEET SUB FIN

1 3/8" DIA. RUBBER WHEELS

1/16" DIA. HARDWOOD DOWELS

1/8" DIA. HARDWOOD DOWEL

3/32" PLYWOOD FIREWALL

3/32" SHEET

FRONT VIEW

WING PLATFORM 1/8" SHEET

.01" CELLULOID WINDSHIELD

FD

WA
4 OFF 1/8" SHEET

WD
6 OFF 1/16" SHEET
2 OFF 1/8" SHEET

WB
2 OFF 1/16" SHEET

WC
2 OFF 1/16" SHEET

SUB FIN

1/8" SHEET STABILIZER

1/8" X 1/8"

1/8" SHEET

FA

FB

1/16" PLY

FC

L.G. BIND WITH HEAVY THREAD & CEMENT

FE

1/8" SHEET

FF

FG

蟬
CICADA

DESIGNED & DRAWN BY
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