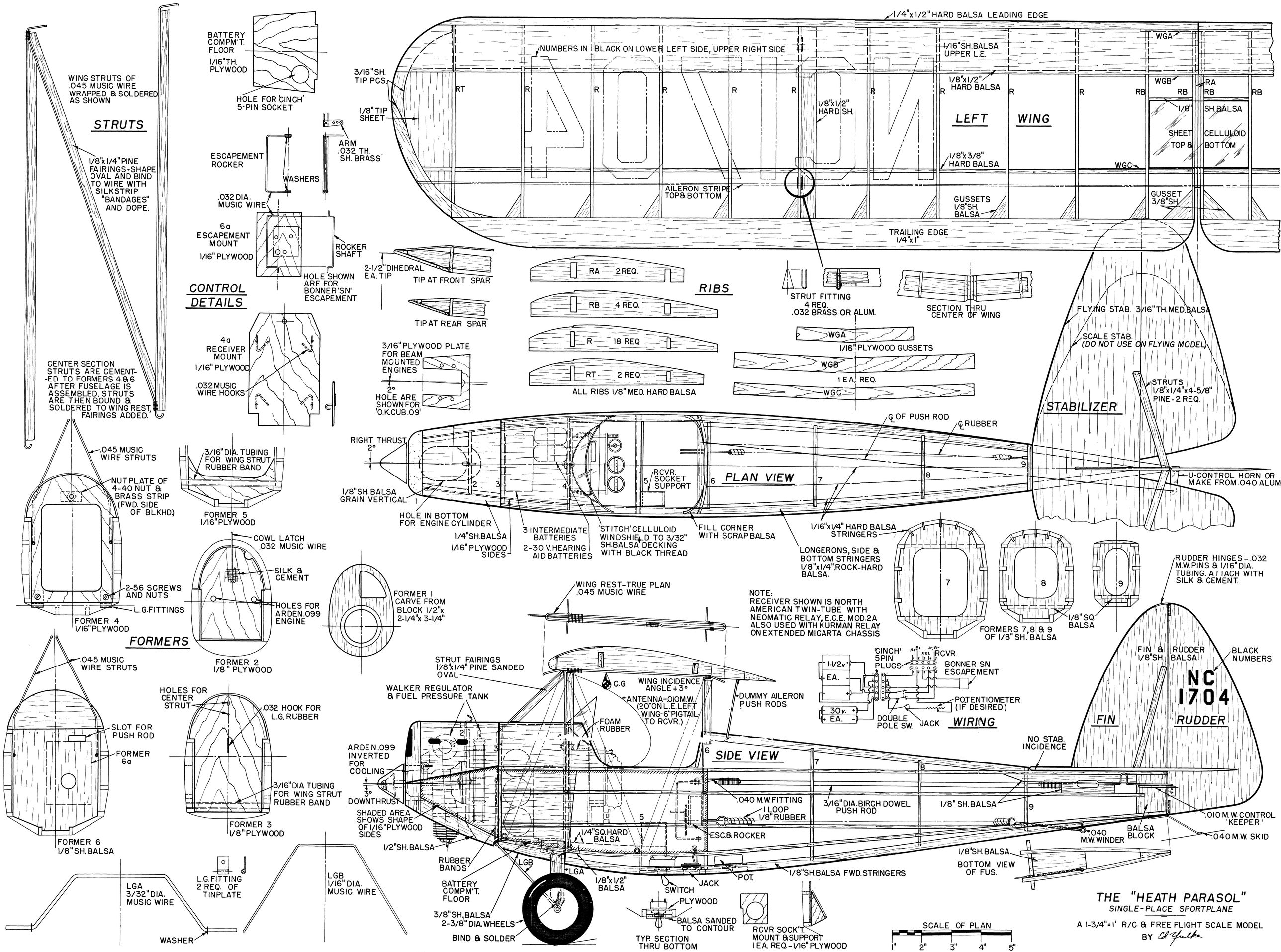
1/4"x1/2" HARD BALSA LEADING EDGE
NUMBERS IN BLACK ON LOWER LEFT SIDE, UPPER RIGHT SIDE
1/16"SH.BALSA UPPER L.E.
1/8"x1/2" HARD BALSA
1/8"x1/2" HARD SH.
1/8"x3/8" HARD BALSA
LEFT WING
WGA
WGB
WGC
RA
RB
R
RT
1/8" SH.BALSA
SHEET CELLULOID TOP & BOTTOM
GUSSET 3/8"SH.
GUSSETS 1/8"SH. BALSA
AILERON STRIPE TOP & BOTTOM
TRAILING EDGE 1/4"x1"
3/16"SH. TIP PCS.
1/8" TIP SHEET
WING STRUTS OF .045 MUSIC WIRE WRAPPED & SOLDERED AS SHOWN
STRUTS
1/8"x1/4" PINE FAIRINGS-SHAPE OVAL AND BIND TO WIRE WITH SILKSTRIP "BANDAGES" AND DOPE.
CENTER SECTION STRUTS ARE CEMENTED TO FORMERS 4 & 6 AFTER FUSELAGE IS ASSEMBLED. STRUTS ARE THEN BOUND & SOLDERED TO WING REST, FAIRINGS ADDED.
BATTERY COMPM'T. FLOOR
1/16"TH. PLYWOOD
HOLE FOR 'CINCH' 5-PIN SOCKET
ESCAPEMENT ROCKER
WASHERS
ARM .032 TH. SH. BRASS
.032 DIA. MUSIC WIRE
6a ESCAPEMENT MOUNT
1/16" PLYWOOD
ROCKER SHAFT
HOLE SHOWN ARE FOR BONNER'SN' ESCAPEMENT
CONTROL DETAILS
4a RECEIVER MOUNT
1/16" PLYWOOD
.032 MUSIC WIRE HOOKS
2-1/2" DIHEDRAL EA. TIP
TIP AT FRONT SPAR
TIP AT REAR SPAR
3/16" PLYWOOD PLATE FOR BEAM MOUNTED ENGINES
2°
HOLE ARE SHOWN FOR 'O.K.CUB.09'
RIBS
RA 2 REQ.
RB 4 REQ.
R 18 REQ.
RT 2 REQ.
ALL RIBS 1/8" MED. HARD BALSA
STRUT FITTING 4 REQ. .032 BRASS OR ALUM.
SECTION THRU CENTER OF WING
WGA
1/16" PLYWOOD GUSSETS
WGB
1 EA. REQ.
WGC
FLYING STAB. 3/16" TH. MED. BALSA
SCALE STAB. (DO NOT USE ON FLYING MODEL)
STABILIZER
STRUTS 1/8"x1/4"x4-5/8" PINE - 2 REQ.
.045 MUSIC WIRE STRUTS
NUTPLATE OF 4-40 NUT & BRASS STRIP (FWD. SIDE OF BLKHD.)
2-56 SCREWS AND NUTS
L.G. FITTINGS
FORMER 4 1/16" PLYWOOD
3/16" DIA. TUBING FOR WING STRUT RUBBER BAND
FORMER 5 1/16" PLYWOOD
COWL LATCH .032 MUSIC WIRE
SILK & CEMENT
HOLES FOR ARDEN.099 ENGINE
FORMER 2 1/8" PLYWOOD
FORMER 1 CARVE FROM BLOCK 1/2"x 2-1/4"x 3-1/4"
FORMERS
.045 MUSIC WIRE STRUTS
SLOT FOR PUSH ROD
FORMER 6a
FORMER 6 1/8" SH. BALSA
HOLES FOR CENTER STRUT
.032 HOOK FOR L.G. RUBBER
3/16" DIA TUBING FOR WING STRUT RUBBER BAND
FORMER 3 1/8" PLYWOOD
LGA 3/32" DIA. MUSIC WIRE
L.G. FITTING 2 REQ. OF TINPLATE
LGB 1/16" DIA. MUSIC WIRE
WASHER
RIGHT THRUST 2°
1/8"SH. BALSA GRAIN VERTICAL
HOLE IN BOTTOM FOR ENGINE CYLINDER
1/4"SH. BALSA
1/16" PLYWOOD SIDES
3 INTERMEDIATE BATTERIES
2-30 V. HEARING AID BATTERIES
RCVR. SOCKET SUPPORT
'STITCH' CELLULOID WINDSHIELD TO 3/32" SH. BALSA DECKING WITH BLACK THREAD
FILL CORNER WITH SCRAP BALSA
PLAN VIEW
℄ OF PUSH RODS
℄ RUBBER
U-CONTROL HORN OR MAKE FROM .040 ALUM
1/16"x1/4" HARD BALSA STRINGERS
LONGERONS, SIDE & BOTTOM STRINGERS 1/8"x1/4" ROCK-HARD BALSA.
RUDDER HINGES-.032 M.W. PINS & 1/16" DIA. TUBING. ATTACH WITH SILK & CEMENT.
FORMERS 7, 8 & 9 OF 1/8" SH. BALSA
1/8" SQ. BALSA
WING REST-TRUE PLAN .045 MUSIC WIRE
NOTE: RECEIVER SHOWN IS NORTH AMERICAN TWIN-TUBE WITH NEOMATIC RELAY, E.C.E. MOD. 2A ALSO USED WITH KURMAN RELAY ON EXTENDED MICARTA CHASSIS
STRUT FAIRINGS 1/8"x1/4" PINE SANDED OVAL
WALKER REGULATOR & FUEL PRESSURE TANK
C.G.
WING INCIDENCE ANGLE + 3°
ANTENNA-010M.W. (20' ON L.E. LEFT WING-6" PIGTAIL TO RCVR.)
DUMMY AILERON PUSH RODS
FOAM RUBBER
'CINCH' 5 PIN PLUGS
RCVR.
BONNER SN ESCAPEMENT
1-1/2v. EA.
30v. EA.
POTENTIOMETER (IF DESIRED)
DOUBLE POLE SW.
JACK
WIRING
ARDEN.099 INVERTED FOR COOLING
3° DOWNTHRUST
SHADED AREA SHOWS SHAPE OF 1/16" PLYWOOD SIDES
1/2" SH. BALSA
RUBBER BANDS
BATTERY COMPM'T. FLOOR
3/8" SH. BALSA 2-3/8" DIA. WHEELS
BIND & SOLDER
LGB
LGA
1/8"x1/2" BALSA
1/4" SQ. HARD BALSA
SIDE VIEW
.040 M.W. FITTING
1 LOOP 1/8" RUBBER
ESC. & ROCKER
3/16" DIA. BIRCH DOWEL PUSH ROD
1/8" SH. BALSA
NO STAB. INCIDENCE
FIN & RUDDER 1/8" SH. BALSA
BLACK NUMBERS
NC 1704
FIN
RUDDER
.010 M.W. CONTROL 'KEEPER'
.040 M.W. SKID
BALSA BLOCK
.040 M.W. WINDER
1/8" SH. BALSA
BOTTOM VIEW OF FUS.
SWITCH
JACK
POT.
1/8" SH. BALSA FWD. STRINGERS
PLYWOOD
BALSA SANDED TO CONTOUR
TYP. SECTION THRU BOTTOM
RCVR SOCK'T. MOUNT & SUPPORT 1 EA. REQ.-1/16" PLYWOOD
SCALE OF PLAN
1" 2" 3" 4" 5"
THE "HEATH PARASOL"
SINGLE-PLACE SPORTPLANE
A 1-3/4"=1' R/C & FREE FLIGHT SCALE MODEL
BY Ed Zulke