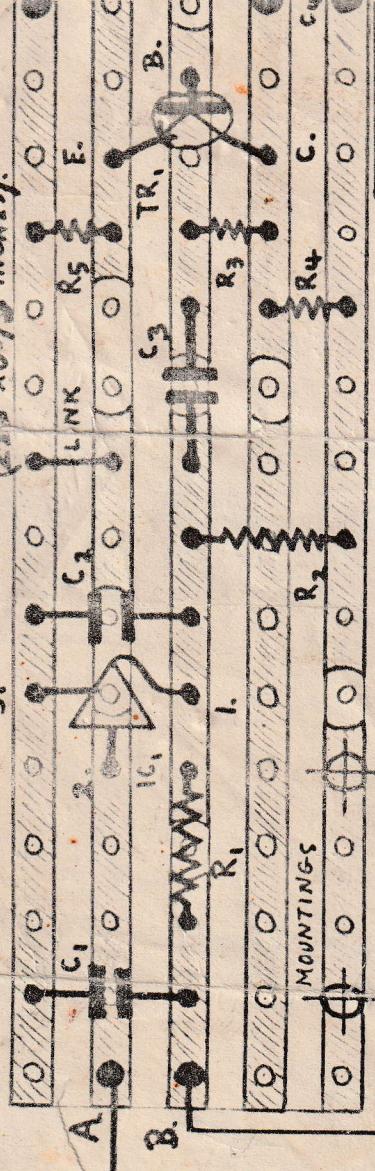


INTEGRATED CIRCUIT (MEDIUM WITH A.G.C.)

(VEROBORD VERSION)

(2.5 x 0.75 INCHES).

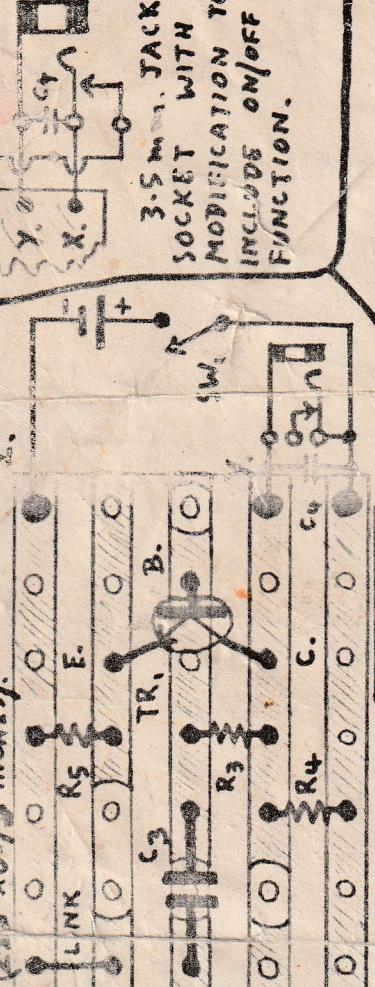


"VEROBOARD" (0.15 INCH MATRIX)
COPPER SIDE (ENLARGED).

ALL RESISTORS
ARE MOUNTED
VERTICALLY.

NOTE
ZN414 USES
10 TRANSISTORS
IN 5 STAGES

3.5 MM. JACK
SOCKET WITH
MODIFICATION TO
INCLUDE ON/OFF
FUNCTION.



ALL RESISTORS
ARE MOUNTED
VERTICALLY.

NOTE
ZN414 USES
10 TRANSISTORS
IN 5 STAGES

"VEROBOARD" (0.15 INCH MATRIX)
COPPER SIDE (ENLARGED).

ALL RESISTORS
ARE MOUNTED
VERTICALLY.

C₁. - 0.01 μ F, (10,000 pF)
C₂, C₃. - 0.1 μ F, (100,000 pF)
ALL ARE POLYESTER
PIEZO CAPACITORS (COLOUR
CODED).

R₁, R₂. - 100 K Ω .
(BROWN, BLACK, YELLOW).

R₃. - 1 K Ω .
(BROWN, BLACK, RED).

R₄. - 10 K Ω .
(BROWN, BLACK, ORANGE)

R₅. - 100 Ω .
(BROWN, BLACK, BROWN)

V_C₁. - 0.002 μ F. (200 pF)
(APPROX) VARIABLE.

D. - MEDIUM WAVES
FERRITE ARIEL

I_C₁. - ZN414 (FERRANTI)

T_R₁. - ZTX 300 (FERRANTI)

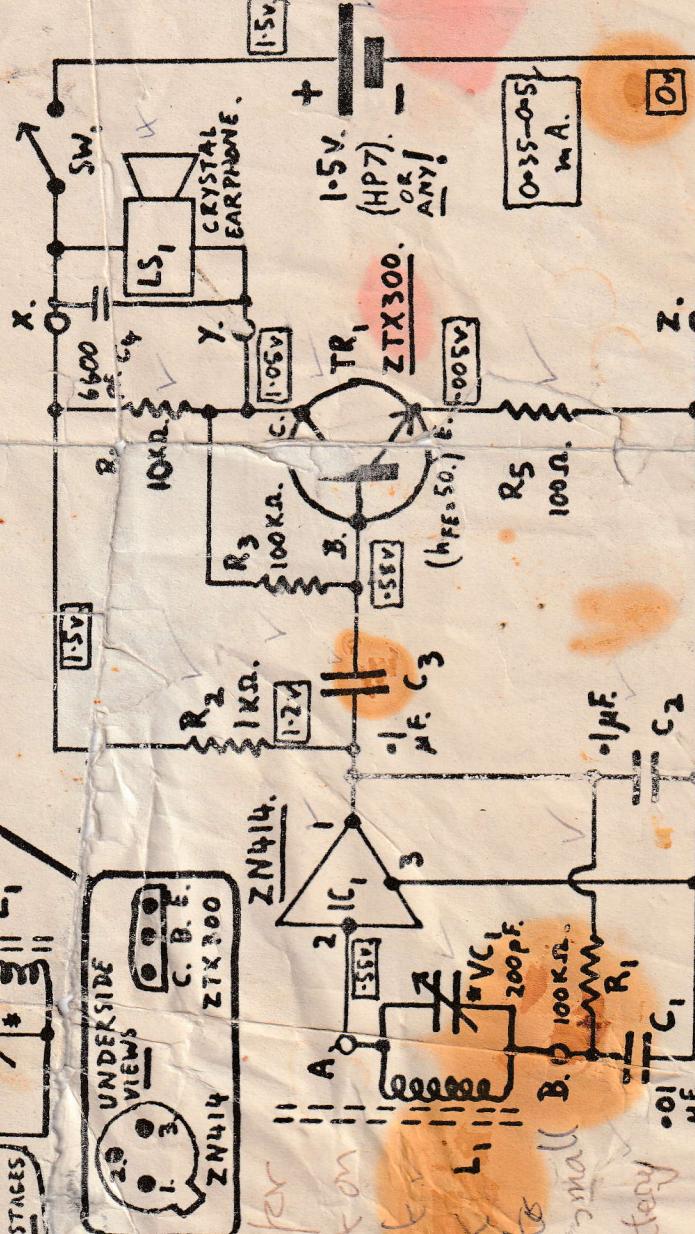
CRYSTAL EARPHONE WITH
3.5 MM. JACK PLUG.

3.5 MM. JACK SOCKET
KNOB (FCR V_C). 1.5V CELL (HORN).

VEROBOARD (0.15" MATRIX).
BOX OR BASEBOARD
SLIDE SWITCH (IF REQUIRED).

D. TO 0.22 μ F (220,000 pF).

C₂ CHANGE
AT G₂ MODIFICATION - C₂ 6800 pF.



CIRCUIT DIAGRAM.

TEST
RECTA

VOLTAGES SHOWN IN
A MEASURE OF 30K Ω /V ON 0.6V
OR 2.4V RANGE.

C₂ CHANGE
D TO 0.22 μ F (220,000 pF).

* MOVING VANES OF V_C.

R-J 1974.
FROM
FERRANTI LTD.
AND
MRS. LTD.

battery
months left on
would say
would
4 months
run out a small
pen size battery