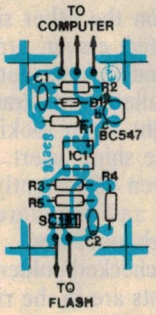
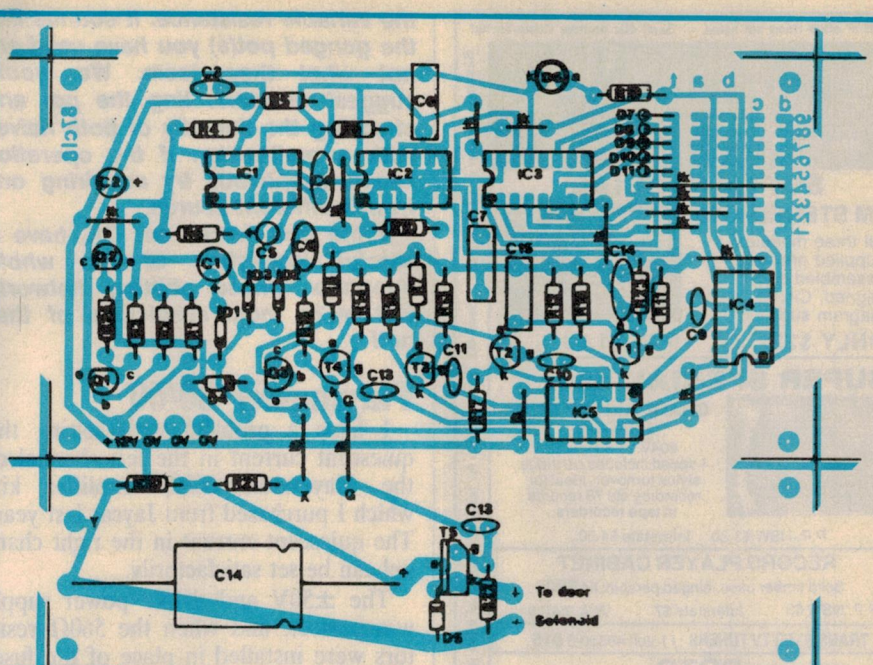
Notes & Errata

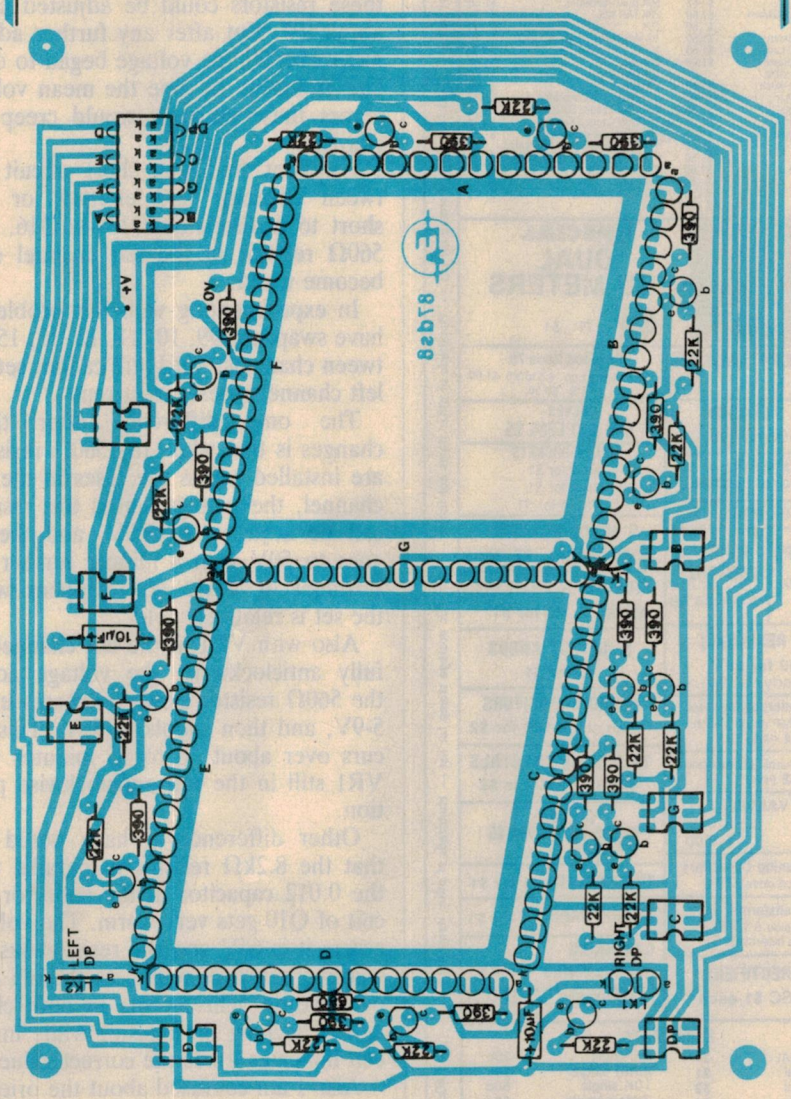
ESTIMATING NOISE IN OP AMP STAGES (April 1987): There is an error in the errata published in May 1987. The formula quoted should read:

$En = \sqrt{4.K.T.B.R}$ or
$En^2 = 4.K.T.B.R$

AUGUST 1987 ISSUE — All PCB overlay diagrams for projects: Due to a printing "gremlin", all three overlay diagrams in this issue were incorrectly reproduced and almost unreadable. To assist people constructing these projects, we reproduce all three diagrams again here. Our apologies for the error.







18 position the crowding gradually diminishes.

These discrepancies are the same on all ranges (x1, x10, x100, x1000).

I tried changing the dual ganged 50k linear pot to no avail. I also transposed IC1 and IC2 for IC3 and IC4, thinking that one of the integrator IC's may have been faulty. This also proved fruitless. Could you suggest a possible cure for this problem, other than the construction of another scale. (N.V. Kirrawee, NSW.)

• ***Your problems with the Low Distortion Oscillator appear to be unique to your kit, for we have had no other correspondence of this nature. One would expect small tracking errors between various potentiometer manufacturers, but nothing like the extent of your problems.***

An integrator (or capacitor) behaving in a non-linear manner is extremely unlikely, therefore the frequency scaling is dependent on