## Programmable Volume Control

This reters my 'Programmable Volume Control' circuit idea in EFY's November issue Two mistakes have crept up in the article First, the last line of the text is wrongly printed as "R11 is about 47 klohms tor the zener diode used" It should be read as 'R11 is about 47 ohms tor the zenel diode used Second, the pull-down resistors connected to the BCD thumbwheel switch are marked R11 A12, R13 and R14 They should have been marked as R12. R13 R14 and R15 respectively

## BIOYUT CHAKRABORTY Distt Nadia. W B

## Inexpensive Multitester

Kirinty ieter our circuit idea captioned Inexperisive Multitester' publisherd in December Issue of ElY

III The circuit dagram, the switch numbers have been wrorgly printed. S2 shall come in place ul $\$ 1$ and vice-versa
We would like to take this oppurtunity to add that if anyone taces an difficulty with the use of transistor 2 N 481 for 13 , as specified on the dhagram, he may use BCi588 ir place of 2N481, with identical terimnal connections Only alteratisn required in the other pait of the circuit is the use of 22 k ionim resistor for RE in place of 1 k specified in the diagram 7 mis inodification shall be useful when sorneone finds a slight glow ift the indicator LED with the test prods unshoried while the unit is powered on and switch S 2 is kept at 'test position

ARUP KUMAR HOY AND BHABENDRA NATH PAL Calcutta

## Hourly Chime for Digital Clock

Mi A Kadarkarans article it May 1985 issue wis malvesting but 1 noticec a few


C10 is showil connected between IC4's pin $G$ did ghiund in crecult diagiam, though it is not shown in the componemts layout for PCB' Similaty C:, me.ruded ift parts inst. is mussing form the ancul dagran

> G SAHA

Gauliatı

- Inי" dilthou uses two ICs to get 'high to low or kow to high transtion sitemately, by tak ing . f and 'e outpats of hour sutput of the cloch chip the same decoding of i-segment outpme cal be done using fust orie IC as given howe listrad ot 'a, I and 'e take 'e. 'd'and a outputs The IC: 400 's NAND gates A1 to A3 do the decod'ng and output a transition every houl as requiled by the monoshol circuit

The ICi 400 NAND gate's are used only for low true output slock chips finr decoding high true' output devices use ICi402 and replace each NAND gate with a NOR gate with the saine interconnecting wiring IC7402s pin configurations are given here as they diffel from tC7400
R. MURALI KRISHNAN Srivilliputtur (TN)

HOURLY CHIME CIRCUIT-(SIMPLIFIED)

$\Rightarrow$ AND gates (A1 and A2) are wrongly showil like NANI) gates in the circuit didgratil Furtier. the decoder circuit cari be siniplified

circuit reduces to just three NAND gates which can be obtained from a single 7400 IC.

## YOGISH KUMAR K.

## Puttur DK

The author, Mr. Kadarkaral, replles:
Capacitor C10 mentioned by Mr Saha may be omitted but $5 \mu \mathrm{~F}$ capacitor may be replaced by a $64 \mu F$. C5 mentioned in the paits list is not required.

The decoder circuit can be simplified as pointed out by Mr Yogish Kumar But the NOR gate circuit is having some mistake. In the diagram ' $a$ ' and ' $f$ ' should be interchanged

Mr Murah Krishnan's idea is very correct and interesting. It will work for both 'active high' as well as 'active low' output clock chips

## New Policy Measures in Electronics

The above article seridised in October, November and December issues of Electionus for You. Was based on various policics and procedures concerning electiolits industry arinounced by the goveinment from time to tinie These evolved out of a collective work of a numbel of experts engaged in the field of electronics and collegues working in the Department of Electionics. Eloctronics Comimission (IVAG) and other ministries Therctore I clamm no credit tor the work except compilation ot various facts and figures alroady available through different documents No personal attisbution should be made about statements in the .ricle as they
are a reiteration of the already anriounced policies

Dr SL. SARNOT<br>Additiona! Director<br>Electronics Commission (IPAG)<br>New Delhi



Dimmer Don : hot arot anotirer Valable Transfor:mer. Its superion lechinolengy of Track \& Ciarbon Brush svelarns would classity it as Belter of the Re:st

Avarlable in capacones from 2A to 600 Amps. in open or closerd. manual or mohorised forms


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