

M·O·R·S·E K·E·Y·E·R

by A. P. Cooper

Morse keys need not be tremendously complicated or expensive to construct.

The circuit shown in Fig. 1 has been designed to provide a dot to dash ratio of one to three, with variable speed control provided by dual gang potentiometer R2.

Construction of the keyer is non-critical and can be based on a p.c.b. or the Veroboard layout shown. Unused pins of the 74LS221 integrated circuit IC1 may be left open circuit. The low current "bleeper" is directly driven from the dual monostable i.c. but do observe the correct polarity when connecting up.

A paddle arrangement was constructed using an ordinary flexible nail file allowing "side-swipe" action to operate the s.p.c.o. configuration obtained. The switch poles consisted of Veropins soldered into the circuit board on either side of the paddle arm. It is recommended that for maximum reliability gold plated pins are used. ●

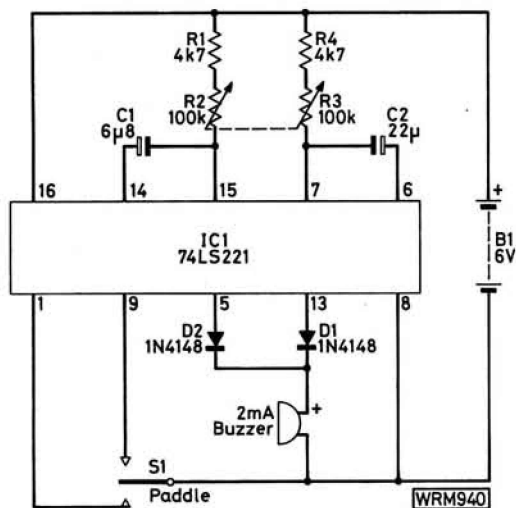


Fig. 1 (above): Circuit diagram of the simple Morse keyer with the full size Veroboard component placement (right). The circuit will function quite happily with non-Schottky versions of IC1, with only a slight increase in current consumption

★ components

Resistors

$\frac{1}{4}$ W 5% carbon film
4.7k Ω 2 R1,4

Ganged potentiometer $\frac{1}{4}$ inch spindle
100k Ω (Lin) 1 R2,3

Capacitors

Tantalum bead
6.8 μ F 1 C1
22 μ F 1 C2

Semiconductors

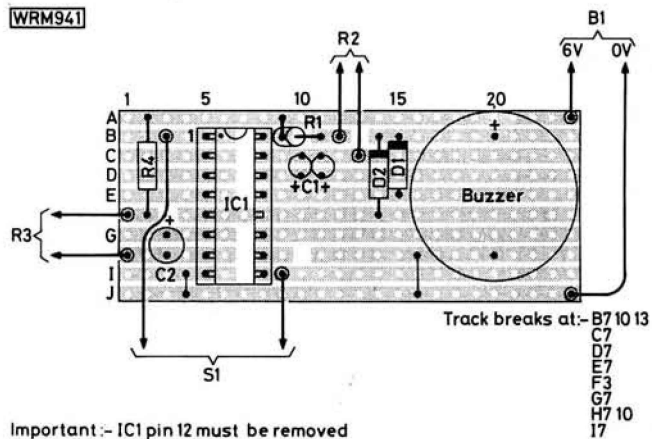
Integrated circuits
74LS221 1 IC1

Diodes

1N4148 2 D1,2

Miscellaneous

16 pin d.i.l. socket; p.c.b.; buzzer; paddle materials (see text).



News

RAIBC AGM

The Annual General Meeting of the RAIBC for the year ended 31 March, 1983 was held at the Flight Refuelling Amateur Radio Society Mobile Rally at Wimborne, Dorset on Sunday, 21 August, 1983.

The Club had another successful year best measured perhaps by the acquisition of 40 class A licences and 55 class B licences by members. There

Practical Wireless, December 1983

were 217 new members and 36 new representatives. Additional equipment on loan to members included three transceivers and seventeen receivers.

In thanking the Committee for their help during the year, the Chairman, Mr. W. N. Craig G6JJ paid special tribute to the Secretary/Editor, Mrs. F. E. Woolley G3LWY and congratulated her on being elected an Honorary vice-President of the RSGB in recognition of her work on behalf of the RAIBC.

The Chairman also referred to the essential part played by the representatives in furthering the aim of the RAIBC which is to help members to

enjoy the hobby of Amateur Radio. As well as assisting with the installation of equipment and keeping it serviceable, many representatives were keeping in more regular contact with their members and helping them to feel that they really belonged to the Club—a situation much welcomed by the members.

The meeting passed a vote of thanks to Flight Refuelling A.R.S. for providing the venue for the AGM.

Enquiries or offers of help should be made to: *The Hon. Secretary, Mrs. Frances Woolley G3LWY, 9 Rannoch Court, Adelaide Road, Surbiton, Surrey KT6 4TE.*