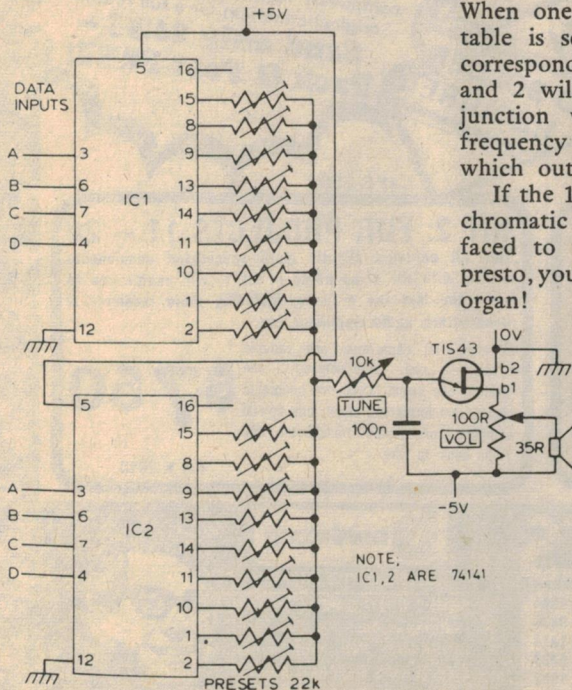


BCD tone generator

When one of the binary codes in the table is set up on the data inputs, a corresponding preset connected to IC1 and 2 will be grounded, and the uni-junction will start to oscillate. The frequency of oscillation depends on which output of the ICs is grounded.

If the 18 presets are tuned to form a chromatic scale and the inputs interfaced to your MPU data bus — hey presto, you have a simple MPU controlled organ!



NOTE CODE (BINARY)

No	HGFE	DCBA
1	0000	0001
2	0000	0010
3	0000	0011
4	0000	0100
5	0000	0101
6	0000	0110
7	0000	0111
8	0000	1000
9	0000	1001
10	0001	0000
11	0010	0000
12	0011	0000
13	0100	0000
14	0101	0000
15	0110	0000
16	0111	0000
17	1000	0000
18	1001	0000