PARTS LIST

B—9-volt transistor radio battery
C1 C8—365 pF variable capacitor
C2—80 pF mica capacitor
C3—.005 μF paper tubular capacitor
C4—1600 pF mica capacitor
C5—100 pF mica capacitor
C6—275 pF disc ceramic capacitor
C7—.25 μF mica capacitor
D1—1N34A diode (Radio Shack 276-1102 or equal)
H—high impedance magnetic head phones
L1—20 turns No. 22 AWG enameled magnet wire scramble wound on a 4-inch form
L2—ferrite rod antenna coil (Radio Shack 270-1400 or equal)
Q1—SK3004 transistor (Radio Shack 276-2005 or equal)
Q2—2N384 transistor (Radio Shack 276-2003 or equal)
Q3—SK3010 transistor (Radio Shack 276-2001 or equal)
RFC—1.5 millihenry RF choke
R1—300K 1/2 watt carbon resistor
R2—200K 1/2 watt carbon resistor
R3—1K 1/2 watt carbon resistor
R4—100K 1/2 watt carbon resistor
S1—single-pole, single-throw switch
X1—1 megahertz oscillator crystal

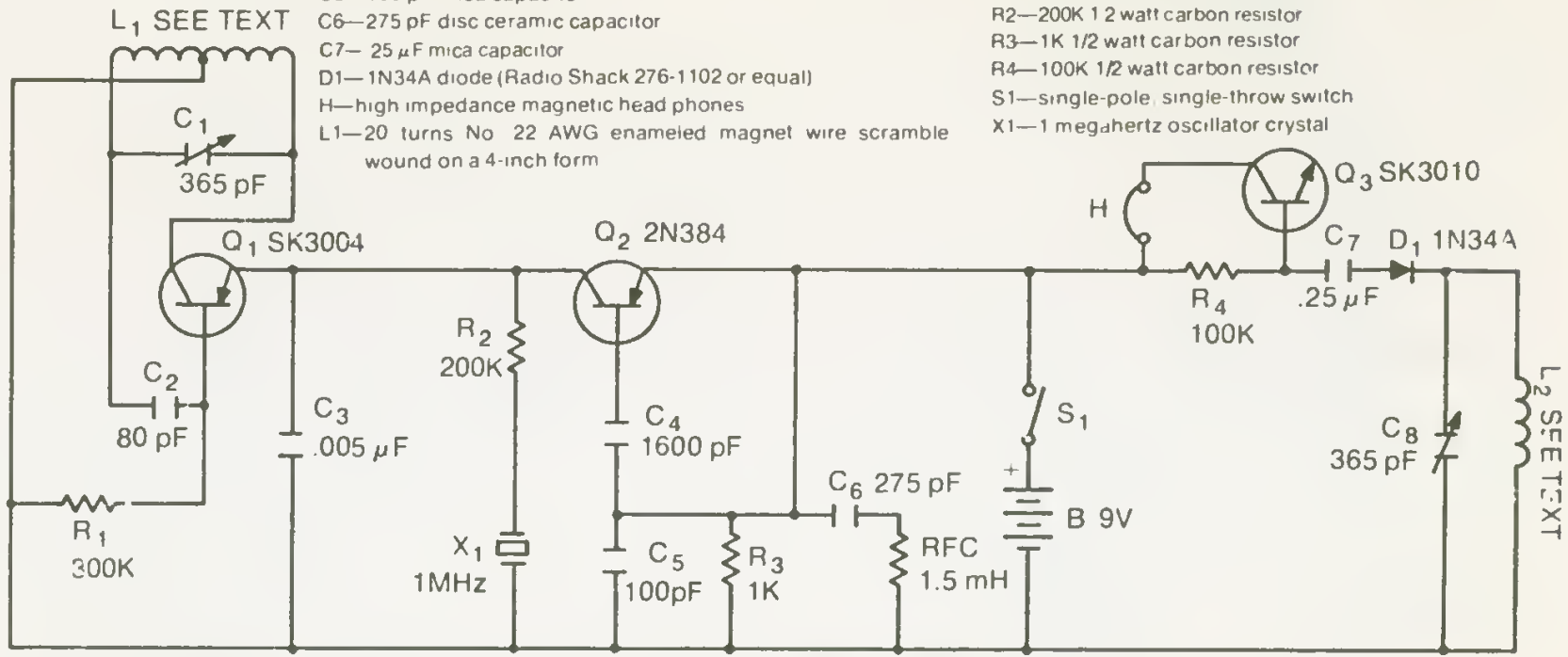

Fig. 24-5. Sophisticated beat frequency oscillator type metal locator utilizing headphones to amplify the "beat" tone.