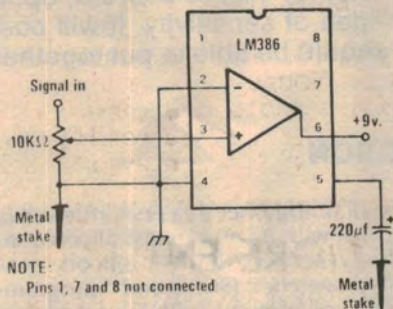
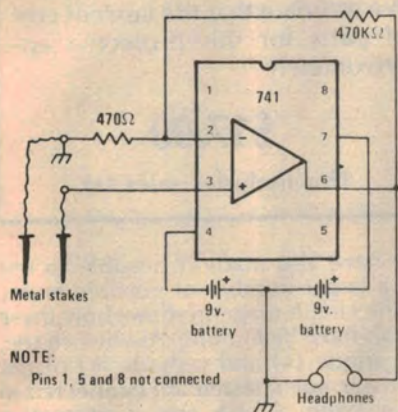
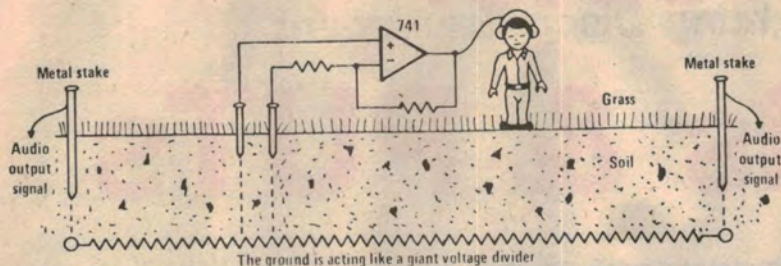


Music from your lawn!



lawn directly from the amplifier output, you would be safer using a buffer amplifier, such as the LM386 circuit shown. The stakes used to connect the amplifier to the lawn can be just about any metal rods you have handy. Copper rod or pipe would be ideal.

The audio signal impressed in the lawn will be located between the stakes as shown. So, position the stakes at

opposite ends of the lawn.

To tune in on the lawn, you will need a set of monaural headphones and a high gain preamplifier such as our 741 circuit. All you have to do then is drive a pair of pickup stakes into the lawn. The volume depends a great deal on the location of the stakes. Generally, the further apart they are the louder the sound. However, since the soil conductivity varies from place to place, moving one stake just a few centimetres can make an appreciable difference.

Overall performance depends on many factors including the gain of the headphone preamp, the distance between the stakes at the input and the output end, ground conductivity, background noise, and the alignment between the two sets of stakes.

(By Jeffery A. Sandler, in "CQ".)

"ELECTRONICS AUSTRALIA" PROJECTS & CIRCUITS NO. 2

Available from "Electronics Australia", 57 Regent St. Sydney **PRICE \$3.00.** OR by mail order from "Electronics Australia", P.O. Box 163, Beaconsfield, 2014. **PRICE \$3.60.**

**Can you afford
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Imagine being able to plug a set of headphones into your backyard lawn and being treated to your favourite music. All you need is a high level audio output from your amplifier. Although you may be able to drive your