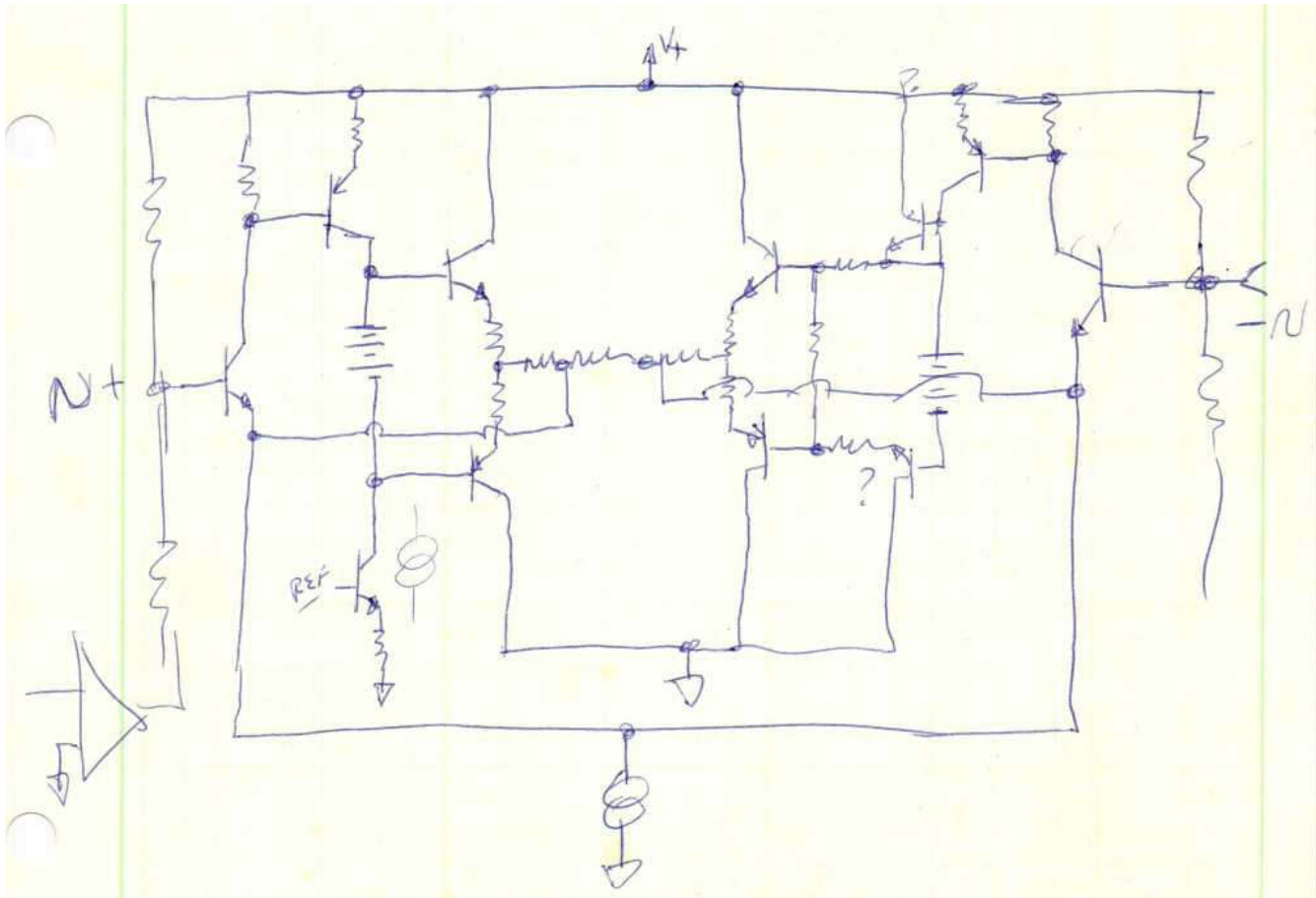




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## Clickless audio amplifier

This circuit won't pop the speakers when you apply or remove power.



Application engineer Mike Wurtz showed me this clickless audio amplifier. That is to say, it won't pop the speakers when you turn it on.

One way he insures its repeatable behavior is that he uses transistors. Most integrated circuits are so complicated there is no way to tell how they will act on power-up. Most electrical engineers learn this if they use a 555 one-shot to make a reset circuit. In the old days, you had to build power-on or low-voltage resets out of discrete transistors so you could predict the behavior. Thankfully companies like Maxim make entire product lines of reset chip that can do the same, albeit more expensively.