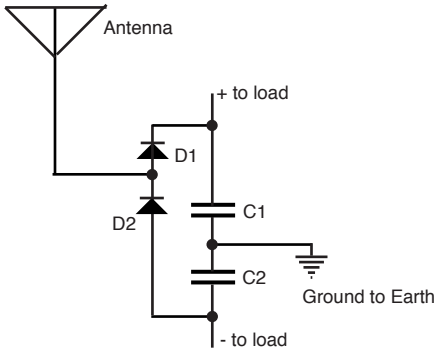
Free Energy Accumulator, voltage doubler schematic



Voltage Doubler FEA

This circuit has two big advantages over the original circuit in the FEA Book.
First, it eliminates half the diode forward voltage by cutting out two of the diodes that were in series.
Second, it stores the energy in two diodes that are in series effectively dobling the output voltage while increasing both the FEA efficiency and power gained / stored. This schematic will produce over 4x the power that the original circuit did.

D1 and D2 are 1 amp, 50 volt diode IN4001
Although I do recommend using diodes with as little forward voltage drop as possible, because a lot of the potential AC input is at lower voltages and you miss gathering that power if the diode forward voltage is too high.

C1 and C2 are 10 uF at 25 VDC electrolytic.
Although, for efficiency, I do recommend capacitors that are low leakage. Electrolytics typically have a high self-discharge rate. Also, you can use greater than 10 uF if you wish. It'll take longer to reach peak storage voltage (and leakage might be greater) but you'll have greater energy storage if you need it for pulse power.

If your load needs to keep the voltage under a certain value (like 3 VDC) then you can set up an appropriate Schottky diode or a series of 1N4001 to ground out excess voltage.