# Copper Bracelet Made with Reused Materials



#### **Bracelet Details**

- Used old Romex house wire from rewire job
- Can be recycled, but reuse is preferable (insulated wire has low value, more environmental impact)
- See Ron Reil (copper bracelet) website

## Welding

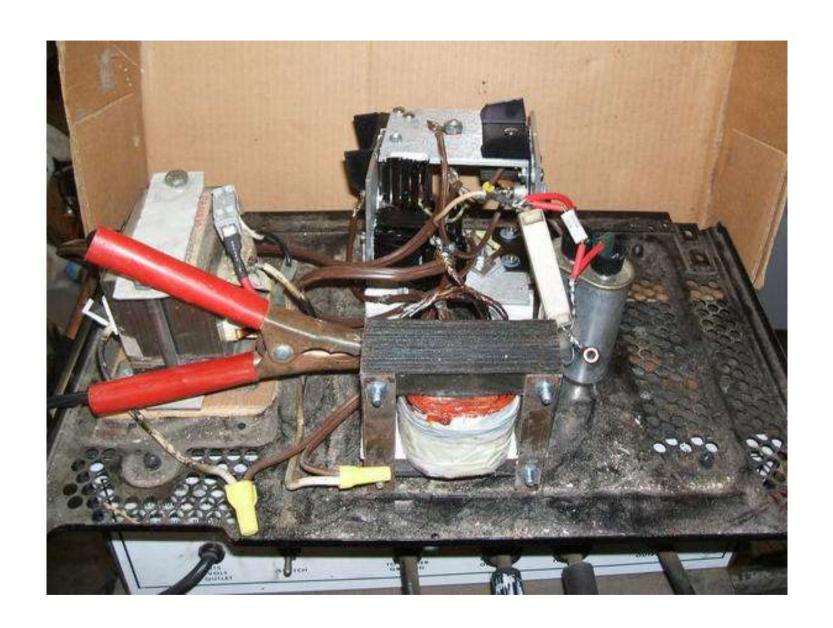
- Lots of homemade welder plans on the Internet
- Problems: high raw material cost, low performance
- Sourcing materials is difficult
- Try low power

#### Microwave Oven Source

- Highest value item: transformer with primary/current limiting
- Still need diodes, choke
- Lots of rewinding required

### Limitations

- Hard to get enough power
- Current-voltage trade-off
- Tough to use as a stick welder: either difficult to strike or not enough power
- Try using as a TIG welder (no lower power limitations)





#### More to Do

- Better ways to wind for high current
- Foot pedal
- Dress up