

# A QUESTION OF LABELS

Same circuit. Same instruments. Same readings. Different interpretation.

Figure 1 — Conventional Labels

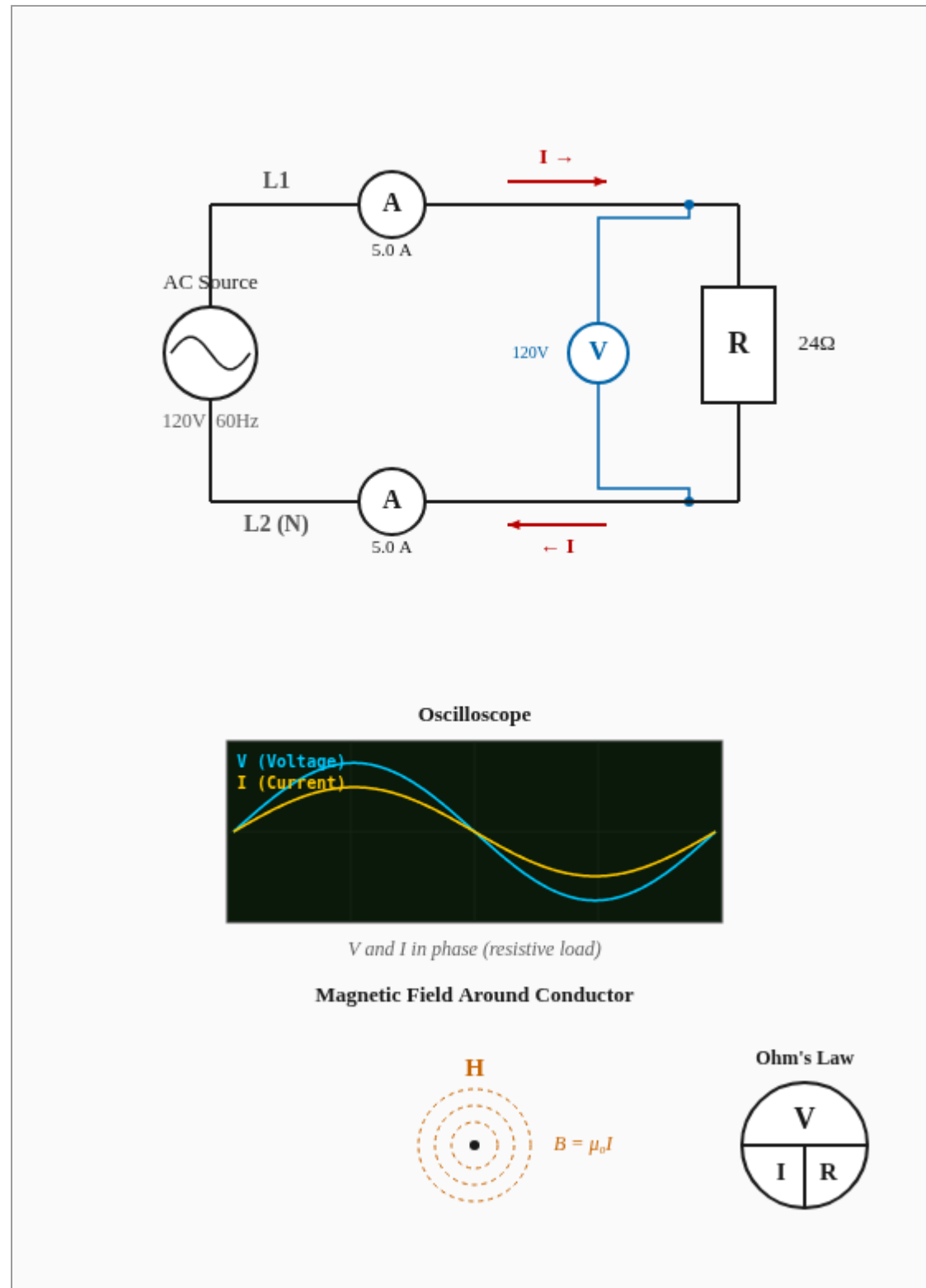
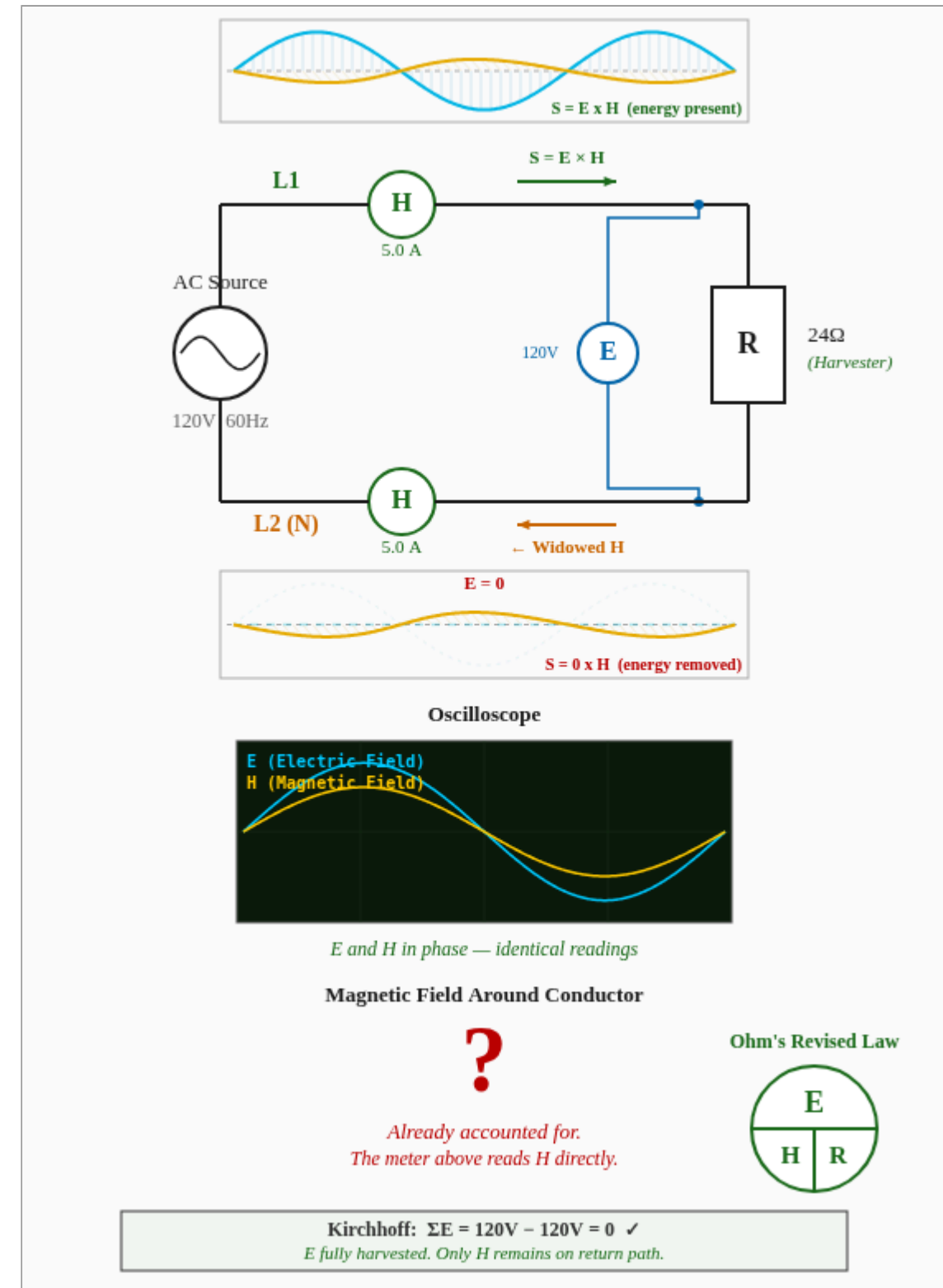


Figure 2 — Corrected Labels (Burton-Poynting Theory)



Nothing was added. Nothing was discovered. The instruments read the same.  
Only the labels changed — and the double-counting disappeared.

The ammeter operates by measuring the magnetic field surrounding the conductor (Hall effect or magnetic deflection). It reports this measurement in Amperes by convention.

To the Level 3 Advanced Class:  
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"Commemorating a historic step  
forward for the trades"

Kevin Burton



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