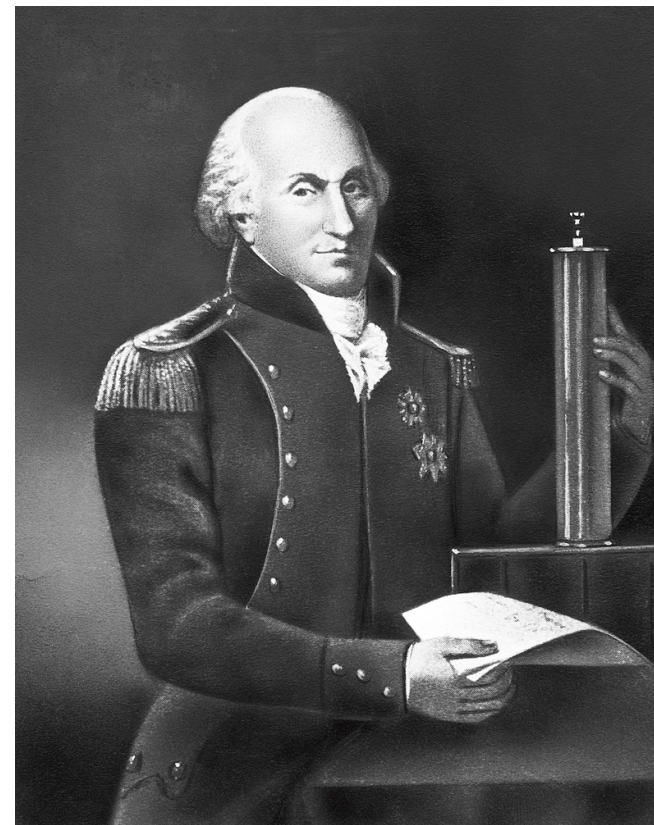


On graduating from school, a studious young man who would withstand the tedium and monotony of his duties has no choice but to lose himself in some branch of science or literature completely irrelevant to his assignment.

Charles-Augustine de Coulomb



Arizona State University
SES 194

Energy in Everyday Life

Electricity

Frank Timmes

ftimmes@asu.edu

True or False:

Electrons carry electrical energy.

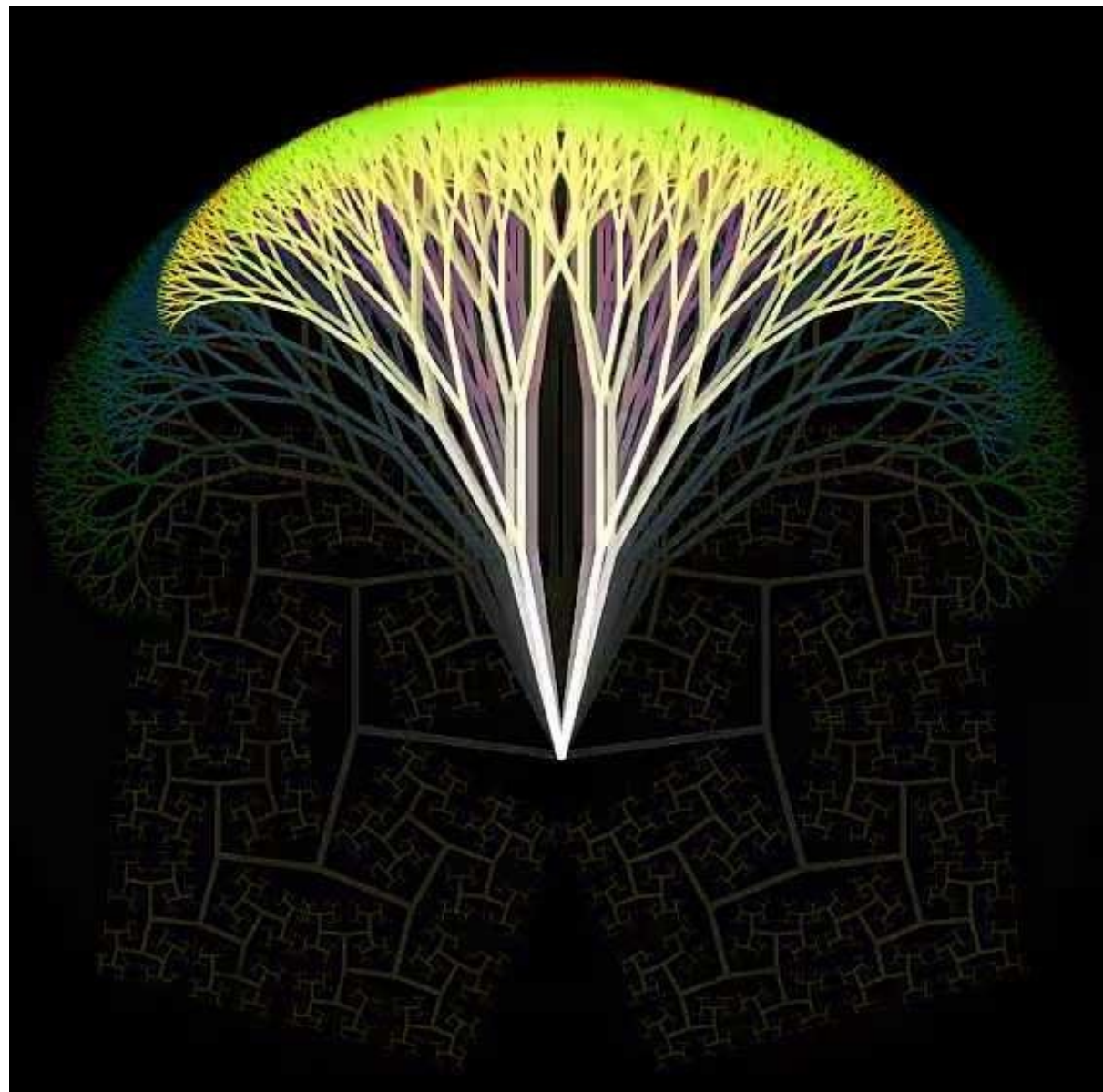
Batteries and generators create the electricity which flows in wires.

The electricity inside of wires moves at the speed of light.

Benjamin Franklin's kite was struck by lightning.

They are all False.

If you thought any of them were true, you've been snookered and we have some conceptual pictures about energy in everyday life to unlearn.



Along our journey, we'll explore

What is “electricity”?

How is energy transported by “electricity”?

How fast does “electricity” flow?

How do we generate “electricity”?