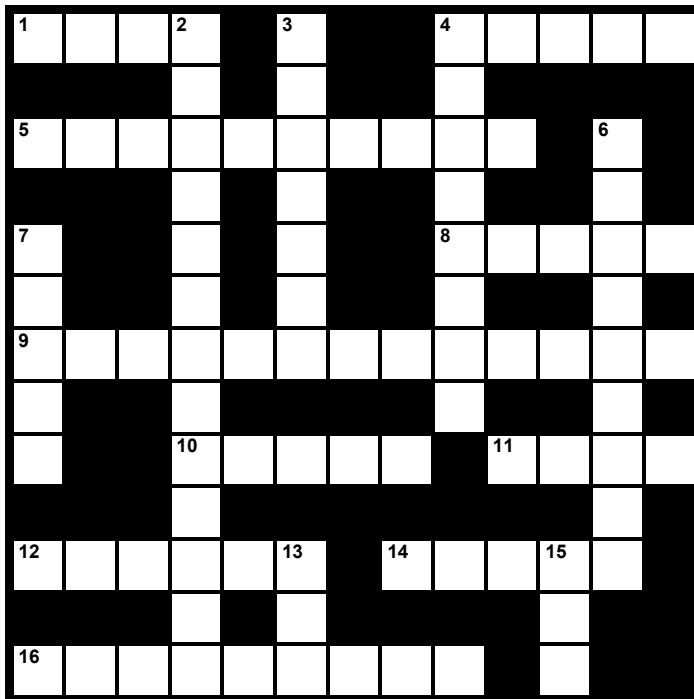


## Electrical Systems \_13x13\_ 2003-04-08

B.B. Huria



### Across

- 1 Electrical device to which electrical power is delivered. (4)
- 4 The rotating armature of a motor or generator. (5)
- 5 A measuring instrument for determining the specific gravity of a liquid. (10)
- 8 A conductor having low resistance in parallel with another device to divert a fraction of the current. (5)
- 9 A temporary magnet made by

coiling wire around an iron core. (13)

- 10 Electrical device such that current flowing through it in one circuit can switch on and off a current in a second circuit. (5)

11 Electrical device that can interrupt the flow of electrical current when it is overloaded. (4)

- 12 The basic unit of electric current adopted under the System International d'Unites. (6)

14 Machine that converts other

forms of energy into mechanical energy and so imparts motion. (5)

- 16 An electrical device containing diodes, used to convert AC to DC. (9)

### Down

- 2 DC (6,7)
- 3 An instrument used to measure the rate of current flow in a circuit. (7)
- 4 Resistor for regulating current. (8)
- 6 An electrical device characterized by its

capacity to store an electric charge. (9)

- 7 (magnetic) The area in which magnetic lines of force occur. (5)

13 The force or pressure which causes current movement in an electrical circuit. (3)

- 15 A unit of measurement of electrical resistance. (3)