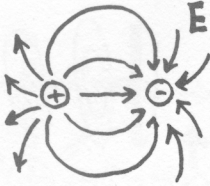
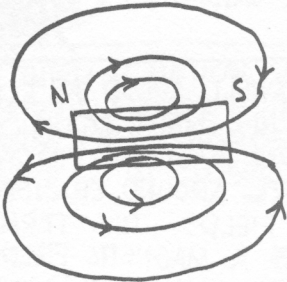
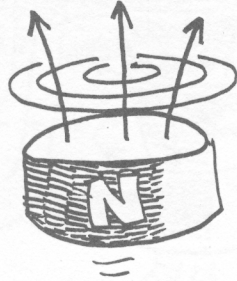


SO, WITHOUT FURTHER ADO, HERE ARE  
**MAXWELL'S EQUATIONS**  
 IN FULL-BLOWN MATHEMATICAL NOTATION  
 TO THRILL AND INTIMIDATE YOU!



$\nabla \cdot \mathbf{E} = 4\pi\rho$  ( $\rho$ , GREEK "RHO" = CHARGE DENSITY;  $\mathbf{E}$  = ELECTRIC FIELD) SAYS  $\mathbf{E}$  DIVERGES OUTWARD FROM PLUS CHARGES AND INWARD TO MINUS CHARGES.

$\nabla \times \mathbf{E} = -\frac{1}{c} \frac{d\mathbf{B}}{dt}$  ( $\mathbf{B}$  = MAGNETIC FIELD)  
 SAYS  $\mathbf{E}$  CURLS AROUND CHANGING  $\mathbf{B}$  FIELDS.  
 ( $c$  = SPEED OF LIGHT)



$\nabla \cdot \mathbf{B} = 0$  SAYS  $\mathbf{B}$  NEVER DIVERGES, ALWAYS LOOPS AROUND.

$$\nabla \times \mathbf{B} = \frac{4\pi}{c} \mathbf{J} + \frac{1}{c} \frac{d\mathbf{E}}{dt}$$

SAYS  $\mathbf{B}$  CURLS AROUND CURRENTS ( $\mathbf{J}$  = CURRENT DENSITY) AND CHANGING  $\mathbf{E}$  FIELDS.

