

# NAMED UNITS OF MEASUREMENT

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## Capacitance (Farads, F)

### Michael Faraday



Faraday, M., *Phil. Trans.* **1832**, 122, 125  
Faraday, M., *Phil. Trans.* **1835**, 125, 41  
Faraday, M., *Phil. Mag.* **1843**, 22, 200  
Faraday, M., *Phil. Trans.* **1834**, 124, 77  
Faraday, M., *Phil. Trans.* **1838**, 128, 1  
Faraday, M., *Phil. Trans.* **1838**, 128, 79  
Faraday, M., *Phil. Trans.* **1846**, 136, 21

## Charge (Coulombs, C)

### Charles Augustin de Coulomb



Coulomb, C.A., *Mémoires de l'Académie Royale des Sciences* **1785**, 569  
 Coulomb, C.A., *Mémoires de l'Académie Royale des Sciences* **1785**, 578

## Conductance (Siemens, $W^{-1}$ )

### Ernst Werner von Siemens

Siemens, W., *Ann. Physik* **1860**, 110, 1

## Current (Amps, A)

### André Marie Ampère

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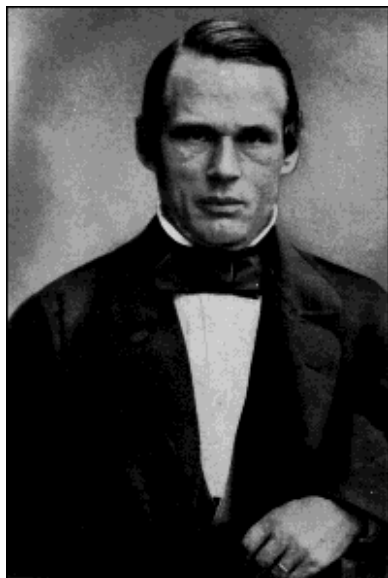


**Andre Marie Ampere**

Ampere, A.M., *Ann. Chim. Phys. Ser. II*, **1820**, 15, 59  
 Ampere, A.M., *Ann. Chim. Phys. Ser. II*, **1822**, 20, 60  
 Ampere, A.M., *Théorie des phénomènes électrodynamiques uniquement déduite de l'expérience*, 1826

## Dimension (Ångstroms, Å)

## Anders Jonas Ångström



Ångstrom, A., *Recherches sur le Spectre Solaire*, Uppsala, 1868

## **Dipole Moment (Debyes, D)**

### Peter Joseph Wilhelm Debye



## **Energy (Hartrees; Joules, J)**

### Douglas Rayner Hartree



James Prescott Joule



Joule, J.P., *Phil. Mag.* **1843**, 23, 263

Joule, J.P., *Phil. Mag.* **1843**, 23, 347

Joule, J.P., *Phil. Mag.* **1843**, 23, 435

## **Frequency (Hertz, Hz)**

Heinrich Rudolf Hertz



Hertz, H.R., *Ann. Physik* **1889**, 36, 769

Hertz, H., *Sitzber. Berlin Akad. Wissen. Wied. Ann.* **1888**, 34, 551

Hertz, H., *Electric Waves*, Macmillan: London, 1893

## Inductance (Henrys, H)

### Joseph Henry

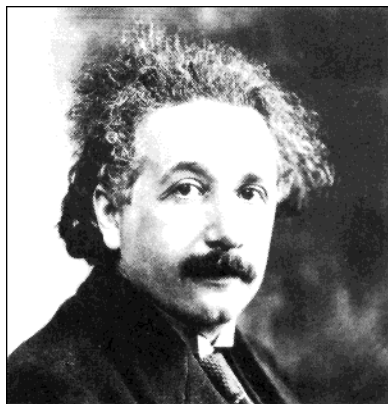
Henry, J., *Am. J. Sci.* **1832**, 22, 403

Henry, J., *J. Franklin Institute* **1835**, 15, 169

Henry, J., *Proc. Am. Phil. Soc.* **1842**, 2, 193

## Light Flux

### Albert Einstein



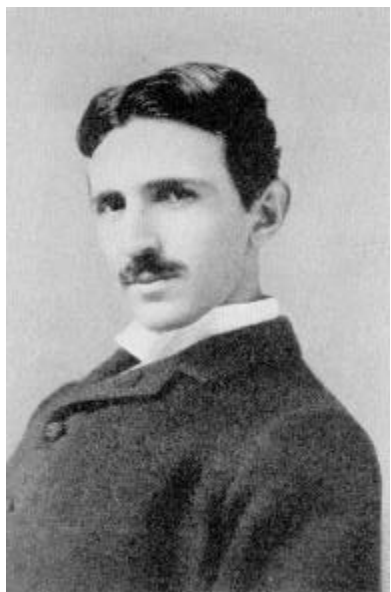
## Magnetic Field Strength (Gauss, G; Teslas, T; Webers, Wb)

### Carl Friedrich Gauss



Gauss, C., *Commentationes Societatis regiae Scientiarum Gottingensis recentiores*, 1841, 8, ?

## Nikola Tesla



## Wilhelm Eduard Weber



## Potential Difference (Volts, V)

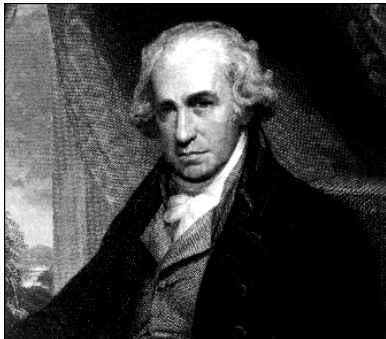
Count Alessandro Guiseppe Anastasio Volta



Volta, A., *Phil. Trans.* **1800**, 90, 403

## Power (Watts, W)

James Watt



## Pressure (Pascals, Pa; Torr)

Blaise Pascal



Pascal, B., *Traité de l'Équilibre des Liqueurs*, 1663

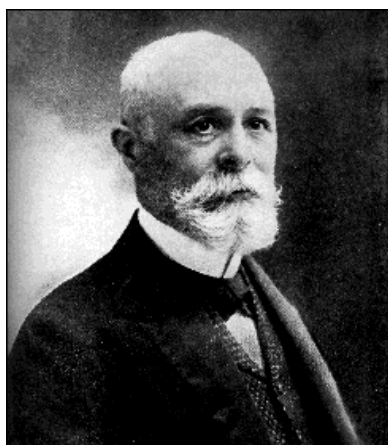
## Evangelista Torricelli



Torricelli, E., letter to Michelangelo Ricci from Florence, June 11, 1644

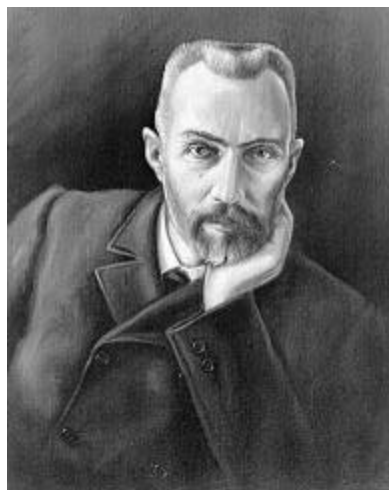
## **Radiation (Becquerels, Bq; Curies, Ci)**

### Antoine Henri César Becquerel



Becquerel, A.H., *Compt. Rend.* **1896**, 122, 420  
Becquerel, A.H., *Compt. Rend.* **1896**, 122, 501

## Pierre Curie



## Marie Curie (Manya Sklodowska)



Curie, P; Desains, P., *Compt. Rend.* **1880**, 90, 1506  
Curie, M.S., Curie, P., *Compt. Rend.* **1898**, 127, 175  
Curie, M.S.; Curie, P.; Bémont, G., *Compt. Rend.* **1898**, 127, 1215

## **Resistance (Ohms, W)**

### Georg Simon Ohm



Ohm, G.S., *J. Chem. Physik (Schweigger's J.)* **1826**, 46, 137

**Temperature (Celsius, °C; Fahrenheit, °F; Réaumur, °R; Kelvin, K)**

Anders Celsius



Gabriel Daniel Fahrenheit

Fahrenheit, G.D., *Phil. Trans.* **1724**, 33, 1

Réne-Antoine Ferchault de Réaumur

William Thomson, 1st Baron Kelvin of Largs



Thomson, W., *Cambridge Phil. Soc. Proc.* **1848**,  
 Thomson, W., *Phil. Mag.* **1848**, 33, 313  
 Thomson, W., *Trans. Roy. Soc. Edinburgh* **1851**  
 Thomson, W., *Phil. Mag.* **1852**, 4, 8; 105; 168; 424

## **Time (Svedbergs, Sv)**

### Theodor (The) Svedberg



Svedberg, T., *Kolloid Z. Erg. Bd. Zu* **1925**, 36, 53  
 Svedberg, T., *Colloid Chemistry*, 2<sup>nd</sup> ed., ACS Monograph Series, The Chemical  
 Catalog Co., Inc.: N.Y., 1928  
 Svedberg, T.; Pedersen, K.O., *The Ultracentrifuge*, Oxford U Press: London, 1940

## **Viscosity (Poise, p)**

## Jean Léonard Marie Poiseuille

Poiseuille, J.L.M., *Compt. Rend.* **1840**, 11, 961; 1041

Poiseuille, J.L.M., *Compt. Rend.* **1841**, 12, 112

Poiseuille, J.L.M., *Ann. Physik Chem.* **1843**, 58, 424