

Joseph Henry's list of thermoelectrical relation:

A table of metals as regards their thermo-electrical relations  
from the extreme positive to the  
extreme negative

Bismuth	Gold
Mercury } Nickel }	Copper Silver
Platina	Zinc
Palladium	Cadmium
Cobalt } Manganese }	Charcoal } (Plumbago) }
Tin	Iron
Lead	Arsenic
Brass	Antimony
Rhodium	

**Table of Seebeck Coefficients with reference to platinum:**

The left column is arranged according to the list from Joseph Henry (please refer to the photo on the above), from extreme positive to extreme negative.

The right column contains values of modern analysis result on Seebeck Coefficients.

Type of metals	Seebeck Coefficient (uV/K)
Bismuth	-73.4
Mercury	0.6
Nickel	-14.8
Platina (Platinum)	0
Palladium	-4.7
Cobalt	-13.3
Manganese	+7.0
Tin	+4.2
Lead	+4.4
Brass (Yellow Brass)	+6.0
Rhodium	+6.5
Gold	+7.0
Copper	+7.5
Silver	+7.3
Zinc	+7.6
Cadmium	+9.1
Charcoal	+3.0
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Iron	+19.8
Arsenic	+19
Antimony	+48.9

**Materials Handbook: A Concise Desktop Reference**

By François Cardarelli