

**Jons Jakob Berzelius**

Discovery of element 58 cerium (**1803**)  
Discovery of element 90 thorium (**1815**)  
Discovery of element 34 selenium (**1817**)  
Discovery of element 14 silicon (**1824**)

Mitscherlich law of  
isomorphism (**1821**)

Gustav's green salt  
(**1828**)

August Kundt  
(Berlin, 1864)

Emil Warburg  
(Berlin, 1867)

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**BERZELIUS TREE #4**

**Robert W. Pohl**  
(Berlin, 1906)

**Rudolf Hilsch**  
(Goettingen, 1927)

**Hans J. Queisser**  
(Goettingen, 1958;  
Schockley Lab.)

**Horst L. Stormer**  
Discovery of a new form  
of quantum fluid with  
fractionally charged  
excitations  
**Physics Nobel 1998**

**James Franck**  
Discovery of laws  
governing impact of an  
electron upon an atom

**Franck-Condon** transition,  
principle, factor (**1925, 1928**)  
**Physics Nobel 1925**

**Pirani** vacuum  
gauge (**1944-5**)

**Erich Regener**  
(Berlin, 1900s)  
**Hellmann-Feynman**  
theorem (**1933, 1939**)

**Clemens Schaefer**  
(Bonn, 1900)

**Karl Wirtz**  
(Breslau, 1934)

**Georg F.J. Meyer**  
(Goettingen, 1887; Freiburg i. Br.)

**Georg de Hevesy**  
Discovery of radiotracers (**1913**)  
**Chemistry Nobel 1943**

**John T. Tate**  
(Berlin, 1914)

**Heinz Maier-Leibnitz**  
(Goettingen, 1935)

**Walter H. Brattain**  
Semiconductors;  
Discovery of transistor  
effect  
**Physics Nobel 1956**

**Rudolf L. Mossbauer**  
Mossbauer effect (**1958**)  
**Physics Nobel 1961**  
**Peter Armbruster**  
**Gottfried Muenzenberg**  
Discovery of element 107 bohrium (**1981**)  
Discovery of element 108 hassium (**1984**)  
Discovery of element 109 meitnerium (**1982**)  
Discovery of element 110 ununnilium (**1994**)

**Wilhelm Hanle**  
(Goettingen, 1924)

**Gustav L. Hertz**  
Discovery of laws  
governing impact of  
an electron upon an atom  
**Physics Nobel 1925**