AMERICAN TREES #1

Raymond Thayer Birge
(Wisconsin-Madison, 1913)

Franck-Condon principle,
Franck-Condon transition,
Franck-Condon factor
(1925 - 1928)

Edwin M. McMillan
Discovery of element 93,
neptunium **(1940)**

Percy W. Bridgman
(Harvard, 1908)

Edwin C. Kemble
(Harvard, 1917)

van Vleck paramagnetism
(1932); electronic structure
of magnetic and disordered
systems

Philip Warren Anderson
electronic structure of magnetic
and disordered systems

Zener diode
(19??)

Slater determinant
Slater orbital **(1930)**

William B. Shockley
semiconductors, transistor
effect **(1948)**

Gomberg radical **(1900)**

Gomberg-Bachmann
reaction **(1924)**

John C. Sheehan
(Michigan, 1941)

Corey-Kim oxidation **(1972)**
Corey-Kim reagent **(1972)**
Corey-Winter olefin synthesis **(1963)**
Corey lactone, **Corey's** reagent;
retrosynthetic analysis in organic synthesis

Henry A. Rowland
(Rensselaer Polytech. Inst., 1870)

Hall effect **(1879)**

William F.G. Swann
(London, 1910)

Ernest O. Lawrence
Invention of cyclotron **(1929)**
Discovery of element 103,
lawrencium (1961)

Philip H. Abelson
Discovery of neptunium **(1940)**

Russell-Saunders
coupling **(1925)**

Joseph S. Ames
(Johns Hopkins, 1890)

Gregory Breit
(Johns Hopkins, 1921)

Charles Kittel
(Wisconsin, 1941)

Nuclear **Overhauser** effect
(1953)

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