AMERICAN TREES #3

Discovery of electron **(1897)**
Thomson model of atom **(1903)**
conduction of electricity by gases

Owen W. Richardson
thermoionic phenomena

Karl T. Compton
(Princeton, 1912)

Clinton J. Davisson
discovery of electron diffraction by crystals

Compton effect and wavelength **(1923)**

Luis Walter Alvarez
discovery of resonance states of elementary particles; hydrogen bubble chamber

Morse potential **(1932)**

Henry D. Smyth
(Princeton, 1921)

Kenneth T. Bainbridge
(Harvard, 1938)

Carr- Purcell experiment **(1954)**; nuclear magnetic resonance spectroscopy

Nicolas Bloembergen
development of laser spectroscopy

Pake pattern **(1948)**

Isidor I. Rabi
resonance method for recording magnetic properties of atomic nuclei

Norman F. Ramsey
invention of separated oscillatory fields method

Martin L. Perl
discovery of the tau lepton

Charles H. Townes
quantum electronics; oscillators and amplifiers based on laser-maser principle

Arthur L. Schawlow
development of laser spectroscopy

Arno A. Penzias
discovery of cosmic microwave background radiation

Murray Gell-Mann
classification of elementary particles and their interactions

Kenneth G. Wilson
theory of critical phenomena in connection with phase transitions

Jack Steinberger
neutrino beam method; discovery of muon neutrino

Melvin Schwartz
neutrino beam method; discovery of muon neutrino

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