

**AMERICAN TREE #2**

**Josiah Cooke**  
(Harvard, 1848)

**Henry B. Hill**  
(Harvard, 1869)

**Charles L. Jackson**  
(Harvard, 1871)

**Theodore W. Richards**  
precise determinations of atomic  
weights (1914)

**Henry A. Torrey**  
(Harvard, 1897)

**William H. Hunter**  
(Harvard, 1910)

**Reynold C. Fuson**  
(Minnesota, 1924)

**Collman's reagent**  
(1972)

**Lewis structures (1916)**  
**Lewis acid (1923)**

**Otto Maass**  
(Harvard, 1919)

**Adam's catalyst (1943)**  
**Adamite, Adam's reagent**  
**Adamsite**

**Axel R. Olson**  
(UC Berkeley, 1917)

**Willard Libby**  
radiocarbon dating  
(1952)

**Harold Urey**  
Discovery of  
deuterium and  
heavy water  
(1932)

**Carl A. Winkler**  
(McGill, 1933)

**Wallace Carothers**  
Discovery of  
nylon (1938)

**Samuel M. McElvain**  
(Illinois, 1923)

**Jack Hine**  
(Illinois, 1947)

**Wendell Stanley**  
isolation of tobacco  
mosaic virus (1935)

**George A. Glockler**  
(UC Berkeley, 1923)

**Calvin cycle**  
(1956); photo-  
synthetic pathway

**Frank S. Rowland**  
formation and decompo-  
sition of ozone in the  
atmosphere

**Kasha's rule**  
(1950)  
**Kasha-Vavilov**  
rule (1922/1944)

**Marcus theory, equation  
and inverted region (1956)**  
**Marcus-Hush** electron transfer  
theory (1961 - 1965)

**BeMaHaPoThLe** principle  
(1967)

**El-Sayed's rules (1968)**