

# Alpha Chi Sigma Noble Laureates

The Nobel Prize is arguably the most prestigious international award. It has been awarded yearly since 1901 for achievements in chemistry, physics, physiology or medicine, literature and peace. The award is named for Alfred Nobel, the inventor of dynamite who also built up companies and laboratories in more than 20 countries before his death in 1896. His last will and testament of 1895 provided for the establishment of the Nobel Prize. Several members of Alpha Chi Sigma have been awarded this illustrious honor.

## The Nobel Prize in Chemistry {Full Prize} - 1936

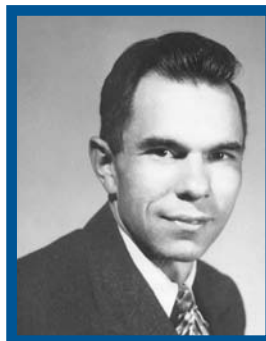


**Petrus J.W. Debye**

Tau 1941  
1884-1966

“For his contributions to our knowledge of molecular structure through his investigations on dipole moments and on the diffraction of X-rays and electrons in gases.”

## The Nobel Prize in Chemistry {One-Half Prize} - 1951



**Glenn T. Seaborg**

Beta Gamma 1935  
1912-1999

“For their discoveries in the chemistry of the transuranium elements.”

## The Nobel Prize in Physiology or Medicine {One-Half Prize} - 1943

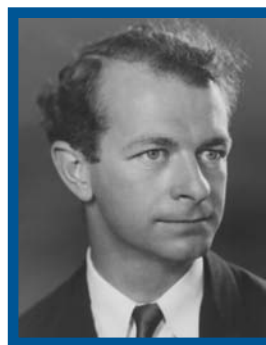


**Edward Adelbert Doisy**

Zeta 1940  
1893-1986

“For his discovery of the chemical nature of vitamin K.”

## The Nobel Prize in Chemistry {One-Half Prize} - 1954

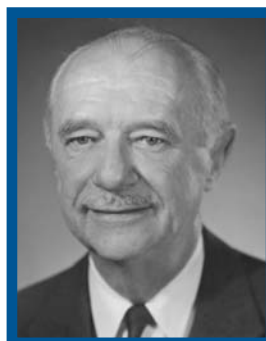


**Linus C. Pauling**

Sigma 1940  
1901-1994

“For his research into the nature of the chemical bond and its application to the elucidation of the structure of complex substances.”

## The Nobel Prize in Chemistry {One-Half Prize} - 1955



**Vincent du Vigneaud**

Zeta 1930  
1901-1978

“For his work on biochemically important sulphur compounds, especially for the first synthesis of a polypeptide hormone.”

**The Nobel Prize in Physiology or Medicine  
{One-Fourth Prize} - 1958**



**Edward L. Tatum**

Alpha 1930  
1909-1975

“For their discovery that genes act by regulating definite chemical events.”

**The Nobel Prize in Physiology or Medicine  
{One-Third Prize} - 1968**

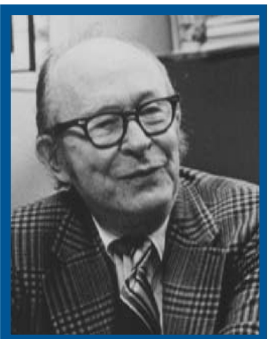


**Robert W. Holley**

Zeta 1940  
1922-1993

“For their interpretation of the genetic code and its function in protein synthesis.”

**The Nobel Prize in Chemistry  
{Full Prize} - 1960**



**Willard F. Libby**

Sigma 1941  
1908-1980

“For his method to use carbon-14 for age determination in archaeology, geology, geophysics, and other branches of science.”

**The Nobel Prize in Chemistry  
{Full Prize} - 1968**



**Lars Onsager**

Chi 1949  
1903-1976

“For the discovery of the reciprocal relations bearing his name, which are fundamental for the thermodynamics of irreversible processes.”

**The Nobel Peace Prize  
{Full Prize} - 1962**



**Linus C. Pauling**

Sigma 1940  
1901-1994

“For his contributions to an international ban on nuclear weapons testing.”

**The Nobel Prize in Chemistry  
{Full Prize} - 1974**

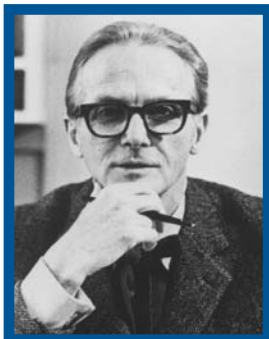


**Paul John Flory**

Tau 1949  
1910-1985

“For his fundamental achievements, both theoretical and experimental, in the physical chemistry of the macromolecules.”

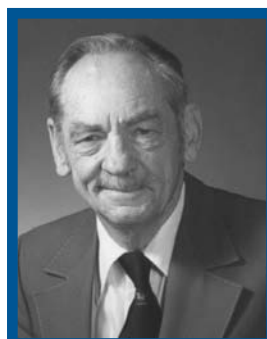
**The Nobel Prize in Chemistry  
{Full Prize} - 1976**



**William N. Lipscomb**  
Alpha Gamma 1939  
1919-2011

“For his studies on the structure of boranes illuminating problems of chemical bonding.”

**The Nobel Prize in Physiology or Medicine  
{One-Third Prize} - 1988**



**George H. Hitchings**  
Omicron 1929  
1905-1998

“For their discoveries of important principles for drug treatment.”

**The Nobel Prize in Chemistry  
{One-Half Prize} - 1979**



**Herbert C. Brown**  
Beta Nu 1960  
1912-2004

“For their development of the use of boron- and phosphorus-containing compounds, respectively, into important reagents in organic synthesis.”

**The Nobel Prize in Chemistry  
{Full Prize} - 1990**



**Elias J. Corey**  
Zeta 1952  
1928-

“For his development of the theory and methodology of organic synthesis.”

**The Nobel Prize in Chemistry  
{Full Prize} - 1984**



**Robert B. Merrifield**  
Beta Gamma 1944  
1921-2006

“For his development of methodology for chemical synthesis on a solid matrix.”

**The Nobel Prize in Chemistry  
{Full Prize} - 1992**



**Rudolph A. Marcus**  
Zeta 1965  
1923-

“For his contributions to the theory of electron transfer reactions in chemical systems.”

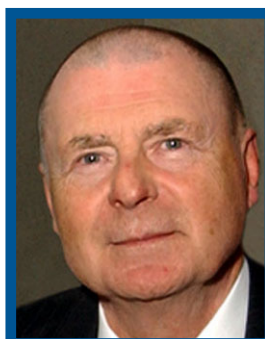
The Nobel Prize in Chemistry  
{One-Third Prize} - 2000



**Alan G. MacDiarmid**  
Alpha 1951  
1927-2007

“For the discovery and development of conductive polymers.”

The Nobel Prize in Chemistry  
{One-Third Prize} - 2010



**Richard F. Heck**  
Beta Gamma 1950  
1931- 2015

“For palladium – catalyzed cross couplings in organic synthesis.”

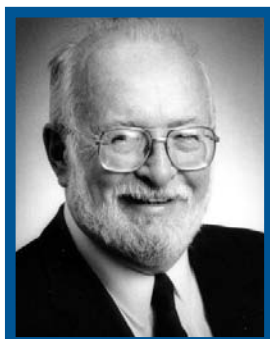
The Nobel Prize in Physics  
{One-Quarter Prize} - 2002



**Raymond Davis, Jr.**  
Alpha Rho 1935  
1914-2006

“For pioneering contributions to astrophysics, in particular for the detection of cosmic neutrinos.”

The Nobel Prize in Physiology or Medicine  
{One-Half Prize} - 2003



**Paul C. Lauterbur**  
Gamma 1949  
1929-2007

“For their discoveries concerning magnetic resonance imaging.”