

August W. HOFMANN
(Giessen, 1841)
- benzidine rearrangement 1863

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Johann K.W.F. TIEMANN
(Berlin, 1870)
- first proposal of nitrenes
as intermediates in
Lossen rearrangement 1891

Daniel VOERLANDER
(Halle, 1890)

Hermann STAUDINGER
(Halle, 1903)
Chemistry Nobel 1953
- ketenes 1905
- nitrenes 1917
- o-quinonemethide 1911

Leopold RUZICKA
(TH Karlsruhe, 1910)
Chemistry Nobel Prize 1939

George H. BUECHI
(ETH, Zurich, 1947)
- Paterno (1909)-Buechi reaction
(1954)

Edward M. BURGESS
(MIT, 1962)
- Burgess reagent 1968

Anthony J. ARDUENGO (III)
(Georgia Inst. Tech., 1976)
- stable carbonyl ylide 1983
- stable Arduengo imidazolylidene
carbene 1999

Michael DENK
(Munich TU, 1992; Wisconsin)
- stable Arduengo and
Wanzlich silylenes 1994



Heinrich WILL
(Giessen, 1839)

Jacob VOLHARD
(Giessen, 1855)

Johannes THIELE
(Halle, 1890)
- stable p-quinodimethanes 1904

Heinrich WIELAND
(Munich, 1901)

Rolf HUISGEN
(Munich, 1943)
- phenyl radical 1949
- benzyne 1954
- 1,3-dipolar additions 1961
- stable phenonium ions 1964
- carbonyl ylide 1971

Bernd GIESE
(Munich, 1969)
- reactivity-selectivity
principle 1984

Karl von AUWERS
(Berlin, 1885)

Karl ZIEGLER
(Marburg, 1920)
Chemistry Nobel Prize 1963
- Ziegler-Natta catalyst 1955

Guenther O. SCHENCK
(Halle, 1939)
- Schenck sensitization
mechanism 1961

Georg WITTIG
(Marburg, 1923)
Chemistry Nobel Prize 1979
- biradicals 1928
- Wittig [1,2]-rearrangement 1942
- Diels-Alder trapping of benzyne
intermediate 1942
- o-quinodimethanes 1948
- coining of "ylides" 1948
- Wittig reaction, Wittig reagent 1954
- phosphonium betaines 1954
- thiocarbonyl ylide 1960
- Still-Wittig reaction 1978

Gerhard L. CLOSS
(Tuebingen, 1955)
- carbenes and carbenoids
1964, Kaptein-Closs
rules 1977

Manfred SCHLOSSER
(Heidelberg, 1960)
- Schlosser modification of
Wittig reaction 1969

Martin GOUTERMAN
(Chicago, 1959)

Robert A. MOSS
(Chicago, 1964)
- carbenes and carbenoids
1964
- concept of philicity of
singlet carbenes (1977)

Michael C. ZERNER
(Harvard, 1966)
- Zerner-INDO method
1991



Roald HOFFMANN
(Harvard, 1962)
Chemistry Nobel Prize 1981
- Woodward-Hoffmann rules 1965