

THE Indicator

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PROFESSOR NEIL BARTLETT
1983 Nichols Medalist

1903—Edward B. Voorhees
1905—Charles L. Parsons
1906—Marston T. Bogert
1907—Howard B. Bishop
1908—William H. Walker
1909—W.A. Noyes
H.C.P. Weber
1910—L.H. Baekeland
1911—M.A. Rosanof
C.W. Easley
1912—Charles James
1914—Moses Gomberg
1915—Irving Langmuir
1916—Claude S. Hudson
1918—Treat B. Johnson
1920—Irving Langmuir
1921—Gilbert N. Lewis
1923—Thomas Midgely, Jr.
1924—Charles A. Kraus
1925—E.C. Franklin
1926—S.C. Lind
1927—Roger Adams
1928—Hugh S. Taylor
1929—William L. Evans
1930—Samuel E. Sheppard
1931—John A. Wilson
1932—James B. Conant
1934—Henry C. Sherman
1935—Julius A. Neuwland
1936—William M. Clark
1937—Frank C. Whitmore
1938—P.A. Levene
1939—Joel H. Hildebrand
1940—John M. Nelson
1941—Linus Pauling
1942—Duncan A. MacInnes
1943—Arthur B. Lamb
1944—Carl S. Marvel

March 4th, 1983 Nichols Medal Symposium & Award Dinner

The Nichols' Symposium will be held at 1:00 p.m. on Friday, March 4th, 1983 in conjunction with the 1983 Nichols Award presentation to Professor Bartlett. The Symposium will be held at Marymount College, Spellman Auditorium, Tarrytown, NY. The Symposium will be followed by a Banquet and Presentation of the 1983 Nichols Medal. The Banquet will be preceded by a Cocktail Hour beginning at 6:00 p.m. in the Rita Hall Fireplace Area, Marymount College. The Banquet and Award Presentation will be held in the Rita Hall Dining Room.

Medalist Neil Bartlett

For his synthesis of the first noble gas compounds and subsequent synthesis of other molecules which have enlarged our view of the chemical universe, Professor Neil Bartlett will receive the 1983 Nichols Medal.

Neil Bartlett synthesized the first compound of Xenon in 1962. His discovery started a world-wide search for other noble gas compounds, and a re-evaluation of the theories of chemical bonding which led to the incorrect prediction that these compounds could not exist. The availability of noble gas compounds has led to an entire new chemistry. Bartlett synthesized the first tetravalent compound of nitrogen(V) in 1966, the first gold(V) compound in 1972, the first salts of perfluorobenzene cation, and new salts of graphite and baron nitride. All of these compounds significantly extend the range of what is chemically possible.

Nichols Medal Symposium
"CHEMISTRY NEAR THE LIMITS
OF
OXIDATION AND BONDING"

1:00 p.m. — Opening of the Symposium
Dr. Edward N. Walsh

1:10 p.m. — "Twenty Years of Excitement in High-Energy Halogen Oxidizers"
Dr. Karl O. Christe Rocketdyne,
A Division of Rockwell International Corporation

2:00 p.m. — "Some Exotic Molecules from Non-Metal Fluorine Chemistry"
Professor Dr. Konrad Seppelt
FREIE UNIVERSITÄT
BERLIN

2:50 p.m. — Tea and Coffee Break

3:20 p.m. — "Xenon Nitrogen Compounds - A Search for New Xenon - Element Bonds"
Professor Darryl D. DesMarteau
CLEMSON UNIVERSITY

4:10 p.m. — "From The Oxidation of Oxygen to Synthetic Metals — An Oxidative Odyssey"
Professor Neil Bartlett
UNIVERSITY OF CALIFORNIA
BERKELEY

5:00 p.m. — Questions & Discussion

5:45 p.m. — Close of Symposium

6:00 p.m. — Cocktail Hour - Rita Hall Fireplace Area

7:00 p.m. — Banquet and Presentation of 1983 Nichols Award to Dr. Neil Bartlett

1945—Vincent du Vigneaud
1946—Wendel M. Stanley
1947—George B. Kistiakowski
1948—Glenn T. Seaborg
1949—I.M. Kolthoff
1950—Oscar Wintersteiner
1951—Henry Eyring
1952—Frank H. Spedding
1953—Reynold C. Fuson
1954—Charles P. Smyth
1955—Wendell M. Latimer
1956—Robert B. Woodward
1957—Louis P. Hammett
1958—Melvin Calvin
1959—Herbert C. Brown
1960—Herman F. Mark
1961—Peter J.W. Debye
1962—Paul J. Flory
1963—Louis F. Fieser
1964—Arthur C. Cope
1965—Herbert E. Carter
1966—Frederick D. Rossini
1967—Karl Folkers
1968—William S. Johnson
1969—Marshall Nirenberg
1970—Britton Chance
1971—Henry Taube
1972—John D. Roberts
1973—R. Bruce Merrifield
1974—Harold A. Scheraga
1975—F. Albert Cotton
1976—Paul D. Bartlett
1977—E.J. Corey
1978—Frank A. Bovey
1979—Choh Hao Li
1980—Gilbert Stork
1981—Roald Hoffmann
1982—Frank Westheimer