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## Curriculum Vitae

Otto Vogl

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## OTTO VOGL

**BORN** November 6, 1927, Traiskirchen, Austria, Naturalized 1959. father, Franz Vogl, mother, Leopoldine, née Scholz. married to the former K. Jane Cunningham of Sag Harbor, NY; two children, Eric and Yvonne and 6 grandchildren: Kyle, Justin, Nicole, Derek, Jennifer, Farris-Jane

### EDUCATION:

1950 Ph.D., University of Vienna  
1953-1955 University of Michigan, Research Associate  
1955-1956 Princeton University, Research Associate

### EMPLOYMENT:

1948-1955 University of Vienna (Austria), Instructor of Analytical Chemistry  
1956-1970 E.I. Du Pont de Nemours & Co., Polychemicals Department, Central Research Department  
1970-1983 University of Massachusetts, Professor of Polymer Science and Engineering  
1983-Present University of Massachusetts, Professor Emeritus  
1983-1995 Polytechnic University, Herman F. Mark Professor of Polymer Science  
1996-- Polytechnic University, Herman F. Mark Professor, Emeritus

### ACADEMY MEMBERSHIPS:

1985 Foreign Member, Academy of Sciences, Austria  
1978 Member, New York Academy of Sciences  
1985-92 Foreign Member, Berlin-Brandenburgische Academy of Sciences  
1994 Foreign Member, The Royal Swedish Academy of Sciences, Stockholm, Sweden

### HONORARY DEGREES:

1983 Dr. rer. nat., honoris causa, University of Jena, Germany  
1992 Dr. honoris causa, Polytechnic Institute of Iasi, Romania  
1996 Dr. honoris causa, Osaka University, Japan  
2000 Golden Dr. degree, Faculty of Natural Science, University of Vienna  
2001 Dr. Sc. honoris causa. Academy of Sciences, Slovak Republic  
2005 Dr. montan. science honoris causa, University of Leoben, Austria

## HONORARY MEMBERSHIPS

1993	Slovak Chemical Society, Bratislava, Slovakia
1996	Society of Plastics and Rubber Engineers, Zagreb, Croatia
1999	Austrian Chemical Society, Vienna, Austria
2004	Society of Polymer Science, Japan

## GUEST PROFESSORSHIPS:

1968 & 1980	Kyoto University (Japan), Department of Synthetic Chemistry
1968 & 1996	Osaka University (Japan), Department of Polymer Chemistry
1971, 1987, 1990, 1998	Royal Institute of Technology (Sweden), Department of Polymer Technology
1973	University of Freiburg (Germany), Institute of Macromolecular Chemistry
1976	University of Louis Pasteur, Strasbourg (France), Centre de Recherches sur les Macromolecules
1977	University of Berlin (Germany), Institute of Organic Chemistry
1982	Technical University Dresden (Germany), Department of Chemistry
1984	Wuhan University, Wuhan, China
1984	East China Normal University, Shanghai, China
1996	Monbusho Professor, Kyoto Institute of Technology

## AWARDS and MEDALS:

Medal of the City of Iasi (1976); Fullbright Fellowship (1976); Humboldt Prize, Germany (1977); Senior Scientist Fellowship, JSPS, Japan (1980); W.H. Rauscher Memorial Lectureship, R.P.I. (1985); Distinguished Service Award, ACS, Division of Polymer Chemistry (1985); Mobay Lectureship, University of Pittsburgh (1985); Doebereiner Medal, University of Jena (1985); Gold Medal of the City of Vienna (1986); Medal of the University of Helsinki, Finland (1987); Exner Medal, Austrian Trade Association (1987); Medal of Texas A&M University (1988); Mark Medal, Austrian Research Institute for Chemistry and Physics (1989); Golden Ring of Honor, City of Traiskirchen (1989); ACS Award in Applied Polymer Chemistry (1990); Distinguished Award of the Society of Polymer Science, Japan (1991); H. Coanda Medal, I. Class, Society of Inventors, Romania (1993); Life Member, SPSJ, Japan (1993); Distinguished Service Award, Pacific Polymer Federation (1993), ACS Polymer Division, Mark Award (2000), Golden Honorary Diploma, University of Vienna (2000), Honorary Cross for Arts and Sciences, Republic of Austria (2000), Kulturpreis, City of Traiskirchen (2002), Honorary Medal, Slovak Academy of Sciences, Polymer Institute (2003), Medal, Slovak Chemical Society (2007), Plaque, ACS Division of Polymer Chemistry recognizing 80<sup>th</sup> birthday and 40 years of service.

#### RESEARCH INTERESTS:

##### **Aldehyde Polymerization and Macromolecular Asymmetry (Chirality):**

Higher aldehyde polymerization, general concept of stereospecific polymerization, stereoregular oligomers of addition polymers, helical polymers.

##### **Functional polymers:**

Biologically active polymers, polymerizable and polymeric UV stabilizers, spacer effects in polymeric structures

##### **Macromolecular Architecture:**

Morphology engineering, structure/property relationship of unusual polymers and polymer blends, reactions on polymers, optical properties of solid polymers, optically active polymers based on macromolecular asymmetry.

##### **Polymer Science and the Arts:**

Japanese lacquers, coating of "Old Masters".

##### **Origin of Chirality:**

Chiral crystallization and chiral nucleation. chiral polymerization, the single polychloral helix,

#### SELECTED PROFESSIONAL ACTIVITIES:

Pacific Polymer Federation: President 1987-1990

National Academy of Sciences: Chairman, NRC Committee on Macromolecular Chemistry, 1977-1979

Member, ad hoc Committee for National Needs in Polymer Science and Engineering, 1980-1981

NSF, International Division: Advisory Committee, 1981-1984

ACS Division of Polymer Chemistry: Chairman, 1974

ACS Connecticut Valley Section: Chairman, 1974

Secretariat for Macromolecules: General Secretary, 1976

Gorden Research Conference: Polymers, Chairman, 1981

#### PUBLICATIONS:

Author and co-author of over 630 articles, including 465 scientific papers, about 50 U.S. and foreign patents; edited ten books and several book chapters.

#### ADVISORY or EDITORIAL BOARDS, Past and Present:

Journal of Polymer Science, Polymer Chemistry Edition; Journal of Macromolecular Science, Pure & Applied Chemistry (Special Advisor); Journal of Macromolecular Science, Reviews; Polymer (London); Macromolecules (1966-1978); Die Makromolekulare Chemie; Monatshefte fuer Chemie (American Editor); Polymer News; Macromolecular Synthesis; Valchemist (1973-1976); Del. Chem. Bulletin (1968-1970); Journal of Bioactive and Compatible Polymers; Acta Polymerica; Polimeri (Zagreb), Journal of Polymer Materials (India); Current Topics in Polymer Science, European Polymer Journal; Oesterreichische Chemiker Zeitung.

HONORARY EDITOR-IN-CHIEF FOR LIFE: Progress in Polymer Science.

#### ADDRESS:

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