

## CURRICULUM VITAE

### Alan George Marshall (24 February, 2004)

B.A. (Chemistry, Honors)	Northwestern University (Evanston)	1965
Ph.D. (Physical Chemistry)	Stanford University	1970
Instructor/Assistant Professor/Associate Professor (Chemistry)	University of British Columbia	1969/1971/1976
Professor (Chemistry and Biochemistry)	The Ohio State University	1980–1993
Director, Chemical Instrument Center	The Ohio State University	1980–1993
Professor (Chemistry and Biochemistry)	Florida State University	1993
Director, ICR Program	Natl High Magnetic Field Lab	1993

**Personal:** Male, Age 59 years (born 26 May, 1944); Married (38 years): daughter (35), son (31)

<b>Honors:</b>	1962:	Phi Eta Sigma Freshman Honorary Fraternity
	1965:	Phi Lambda Upsilon Chemical Honorary Fraternity
	1965–1969:	NSF Graduate Fellow
	1976:	Alfred P. Sloan Research Fellow
	1988:	Distinguished Scholar Award, Ohio State University
	1988:	Akron Section Award, American Chemical Society
	1989:	Fellow, American Association for Advancement of Science
	1989:	Fellow, American Physical Society
	1990:	Award in Chemical Instrumentation, American Chemical Society
	1991:	Award in Analytical Chemistry, Eastern Analytical Symposium
	1995:	Field-Franklin Award in Mass Spectrometry, American Chemical Society
	1997:	Two-Year Creativity Award, NSF
	1997:	Maurice F. Hasler Award, Spectroscopy Society of Pittsburgh
	1998:	Gold Medal, New York Society for Applied Spectroscopy
	1999:	Distinguished Research Professor, Florida State University
	1999:	Distinguished Contribution Award, American Society of Mass Spectrometry
	2000:	Kasha Professor, Florida State University
	2000:	Thomson Medal, International Mass Spectrometry Society
	2002:	Pittsburgh Spectroscopy Award, Spectroscopy Society of Pittsburgh
	2002:	Award in Analytical Chemistry, American Chemical Society
	2002:	Florida Section Award, American Chemical Society
	2002:	Honorary Member, Society for Applied Spectroscopy
	2003:	Herty Medal, American Chemical Society Georgia Section

**Publications:** 371 refereed publications in print or in press  
 1084 university/government/industry seminars; talks and posters at scientific conferences  
 3 USA patents (including 1st and primary patent on FT mass spectrometry): >520 FT-ICR mass spectrometer systems worldwide  
 1 textbook (*Biophysical Chemistry*; 832 pp., 2 printings; also in Russian)  
 1 edited book (*Fourier, Hadamard and Hilbert Transforms in Chemistry*)  
 1 monograph (*Fourier Transforms in NMR, Optical, & Mass Spectrometry: A User's Handbook*, 460 pp.); subsequent French version

**Citations:** >10,500 to date: average ~30 per Marshall publication

**Editor-in-Chief:** *NHMFL ICR/Ion Trap Newsletter* (1986–2002)  
**Editor:** *Rapid Communications in Mass Spectrometry* (1988)  
**Editorial Board:** *International Journal of Mass Spectrometry & Ion Processes* (1987)  
**Editorial Board:** *Journal of American Society for Mass Spectrometry* (1989–1997; 1999)  
**Editorial Board:** *Mass Spectrometry Reviews* (1994)  
**Editorial Board:** *Journal of Magnetic Resonance* (1996–2000)  
**American Society of Mass Spectrometry:** VP Programs, 2003–2004; President, 2005–2006 (>5,000 members)  
**Ace Hitter:** Canadian Men's Open Volleyball National Champions, 1978

**Invited plenary/keynote speaker:**

Mass Spectrometry National Societies:

Australia/New Zealand ('92)	France ('93)	Japan ('94, '99)	Austria ('03)
	Britain ('98)	Germany ('93, '03)	Switzerland ('00)
	Canada ('92, '96, '99)	India ('91)	USA ('89, '96, '99)

Anakon (Swiss/German/Austrian) Analytical Conference (1997)  
 ACS National Meetings (Award Addresses: 1990 Instrum'n, 1995 Field-Franklin, 2002 Analytical)  
 Foreign Chemical Society National Meetings: Canada (1983), Switzerland (1986)  
 Asilomar Mass Spectrometry Conference (1986, 1989, 1992 (co-chair), 2000)  
 Sanibel Conference on Mass Spectrometry (1990, 2003)

Gordon Conferences: Analytical Chemistry (1987, 1993); Magnetic Resonance (1997); Isotopes in Chemistry and Biology (2000); Natural Products (2000); Hydrocarbon Resources (2001); Gaseous Ion Chemistry (2001)

International Mass Spectrometry Triennial Conferences (1985, 1988, 1991, 1997, 2000)  
 Council for Chemical Research (1992)  
 Experimental NMR Conference (1994)  
 Nobel Symposium on Trapped Ions (1994)  
 International Conference on Fourier Transform Spectroscopy (1997)  
 ASTAT Conference (Mexico, 2003)

**Invited Speaker:**

ACS National Meetings ('73/'80/'85/'86/'87/'88/'90/'95/'96/'97/'98/'99/'00 (3)/'02 (2)/'03)  
 American Society for Mass Spectrometry ('88, '90, '92, '93, '99, '00, '01, '02, '03)  
 Eastern Analytical Symposium (1984, 1991, 1998)  
 PittCon (1987, 1989, 1997, 1998, 1999, 2001, 2002, 2003, (2004))  
 FACSS (1987, 1988, 1989, 1992, 1995, 1997)  
 Other International Mass Spectrometry Conferences ('84/'85/'95/'00/'01/'03/'04))

**Honorary/Named Lectures:**

*Frontiers in Chemistry Lecture*, Case Western Reserve University, 1981  
*Frontiers in Chemistry Lecture*, Wayne State University, 1984  
*DuPont Distinguished Lecture Series*, Indiana University, 1987  
*Frontiers in Chemistry Series Lectures* (four), Texas A&M University, 1990  
*Knight Lecture*, University of Akron, 1992  
*Henry Werner Lecture*, University of Kansas, 1993  
*Frederic LeRoy Conover Memorial Lecture*, Vanderbilt University, 1996  
*Elving Lecture*, University of Michigan, 1997  
*Boomer Lectures* (four), University of Alberta, 1997  
*Spectroscopy Society of Pittsburgh Lecture*, Duquesne University, 1998, 2002  
*Mary Kapp Lecture*, Virginia Commonwealth University, 1998  
*Eli Lilly Distinguished Lecture*, Indiana University, 1998  
*Research Frontiers in Chemistry Lectures* (three), University of Iowa, 1998  
*Kolthoff Lectures in Chemistry* (three), University of Minnesota, 1999

*Foster Chemical Colloquium*, SUNY Buffalo, 1999  
*Merck-Frosst Lecture*, University of British Columbia, 1999  
*Ben Freiser Lecture*, Purdue University, 2000  
*Frontiers in Chemistry Lecture*, Brigham Young University, 2001  
*Frontiers in Chemistry Lecture*, Wayne State University, 2001  
*Phi Lambda Upsilon Lecture*, Kansas State University, 2002  
*GlaxoSmithKline Lecture*, University of North Carolina, 2003  
*Wolfgang Paul Lecture*, German Mass Spectrometry Society, Münster, Germany, 2003  
*Mack Lectures* (two), Ohio State University, 2003

**Other Distinctions:**

Elected to Sigma Xi (1980)  
Elected to New York Academy of Sciences (1981)  
Elected to American Society of Biological Chemists (1983)  
Society of Applied Spectroscopy Ohio Valley Section Award, 1989  
Distinguished Research Fellow, Oak Ridge National Laboratory, 1990

**Editorial Board:**

*Chemometrics and Intelligent Laboratory Systems*, 1986–1989

**Editorial Advisory Board:**

*Analytical Chemistry* (1990–1992)

**International Editorial Advisory Board:**

*ACS Encyclopedia of Chemical Instrumentation* (1992–1995)

**Scientific Advisory Board:**

Perkin-Elmer/Sciex (1996–1997)

**Advisory Board:**

Gill Center, Indiana University, 1998–2001

**Editorial Board:**

*Encyclopedia of Mass Spectrometry* (2000)

**Adviser:**

National Science Foundation (NSF) in Taiwan (2002)

**Chairman:**

Society of Applied Spectroscopy Ohio Valley Section, 1990–1993

**General Chairman:**

19th Regional American Chemical Society Meeting. (Columbus, OH, 1986)

**Chairman:**

American Chemical Society Central Region, 1987–1988

**Acting Chair (Chemistry):**

The Ohio State University, 1988 (1 qtr)

**American Society of Mass Spectrometry:**

Board, 1991–1993