

Curriculum Vitae

C. Austen Angell

Education:

B. Sc: Chemical Metallurgy, Melbourne University, Australia	1954
M. Sc: Chemical Metallurgy, Melbourne University, Australia	1956
Research Fellow: Chemistry Department, University of Pennsylvania	1956-58
Stanley Elmore Fellow: Imperial College of Science, University of London	1958-60
Ph. D.: Chemistry, Imperial College of Science, University of London	1961
Research Associate: Argonne National Laboratory (with D. M. Gruen)	1964-66

Professional Experience:

Appointments	Place	Date
Visiting Professor	Dept. Theor. Phys., Univ. Rome (May-June)	1997
Regents' Professor, Professor of Chemistry	Arizona State University	1996
Professor of Chemistry	Arizona State University	1989
Professor of Chemistry	Purdue University	1971
Assoc. Prof. of Chemistry	Purdue University	1968
Asst. Prof. of Chemistry	Purdue University	1966
Lecturer	Melbourne University, Australia	1962-64

Impact of Research

- Hirsch index: 65
- Reports, or invited commentaries in **Nature or Science** (bolded in CV): *total*; 20. *Since 1998*; 6 (and one in Science, invited, on point of submission)
- Papers cited over 100 times: *total*; 43. *Since 1998*; 3 (and one review[330X])
- Invited Reviews in Chem. Rev. or Ann. Rev. Phys. Chem.: *total*; 6. *Since 1998*; 3. (two others invited but not submitted –one on negative pressure, one on polyamorphism)
- Gordon Conference lecture or discussion leader invitations: *total*; 53 (44 + 9). *Since 1998*; 8 (4 + 4)
- Gordon Conference Chairmanships:** (1) 1977 - Molten Salts and Metals
(2) 1980 Water and Aqueous Solutions (3) 1997 - Chemistry and Physics of Liquids
- International Conference invited talks: since 1998; about 35

HONORS AND RECOGNITIONS

- 1999. Special issue of the Journal of Physical Chemistry (April issue)
- 1998 Angell symposium, Satellite to the International Meeting on Relaxation Processes, Pisa Italy, Sept 26th in recognition of collected works.

1. Awards

- Hildebrand award of the Amer. Chem. Soc. (for liquids studies) 2004
- Neville Mott Award of the Journal of Non-Cryst. Sol., 1992.
- G.W. Morey Award of the American Ceramic Society, Glass Division, 1990.
- H.N. McCoy Faculty Research Award, Purdue University, 1987.
- Faculty Research Award, Purdue University, 1978.
- NSF Special Creativity Award (DMR, Solid State Chemistry) 1985.

(f) NSF Special Creativity Award (DMR, Solid State Chemistry) 1994

2. Lectureships

- (a) Fulbright Fellow, University of Sydney, Australia, 1993.
- (b) A. D. Little Lecturer, Northeastern University, 1980.
- (c) Herzberg Lecturer, Catholic University, Washington D.C, 1999.

3. Editorial Boards

- (a) Journal of Physical Chemistry, 1974-1982.
- (b) Annual Review Phys. Chem, 1986-1991.
- (c) J. Chem. Phys., 1988-1991
- (d) Physica, 1995-2001
- (e) Solid State Ionics, 2002-

4. Memberships

- (a) A.C.S. Executive Committee Physical Chemistry 1984-1987
- (b) Member, NSF Materials Research Advisory Board, 1992-until disbanded in 1994

5. **Chairmanships.** Invited Chairman, New York Academy of Sciences Conference on Dynamics of Structural Change near the Glass Transition, New York, Dec. 3-5, 1986.

Gordon Research Conference Chairmanships (elected)

- (a) 1977 - Molten Salts and Metals
- (b) 1980 - Water and Aqueous Solutions
- (c) 1997 - Chemistry and Physics of Liquids

6. Invited Contributions

(a)Gordon Research Conference contributions: 44 lectures, 9 D.L, (3 declined)

1965	Chemistry of Molten Salts	Importance of Metastable States	1975	Molten Salts	Coordination Numbers
1967	Molten Salts	Molten Salt – Hydrates	1976	Water &Aqueous Solutions	SCWater at high pressures
1968	Solid State :Ceramics	Ideas Glass Transition	1977	Chem. Phys. Liquids	Properties of Supercooled Liquids
1969	Molten Salts	Glass Transition Temperature	1979	Molten Salts and Metals	Spectroscopy of Acid-Base Processes
1973	Phys.Chem. Glasses	Computer Sim. of Glasses			
1974	Water & Aqueous Solutions	Weirdness of Supercooled Water			
1981	Quantum Liquids Solids	The Glass Transition	1985	Molten Salts & Metals	Low Melting Molten Salt Systems
1982	Orientationally Disordered Solids	The Glass Transition	1986	Dielectrics	Mechanical vs. dielectric relaxation
1982	High Pressure	Water and Silica	1986	Water &Aqueous Solutions	declined due to conflict
1882	Water &Aqueous Solutions	Supercooled water	1987	Liquids	Thermodynamic Aspects of the Glass Transition
1983	Chem. & Phys. of Glass	Homogeneous Nucleation of Crystals	1987	Molten Salts and Metals	Discussion Leader (D.L.)
1983	Molten Salts &Metals	Computer Simuln Studies	1988	WaterAqueous Solutions	Discussion leader
1984	Dielectrics	Discussion leader	1988	Glass	Structure, Dynamics and Glass Transition
1984	Water&Aqueous Solutions	Discussion leader:	1989	Molten Salts and Metals	Discussion leader
1990	Dielectrics	Origin of Non-exponential Relaxation	1995	Liquids	Discussion leader
1990	Order-Disorder in Solids	Conductivity and the G.T. in ODCs	1996	Water and Aqueous Solution	Discussion leader
1990	Solid State Ionics	(Declined due to conflict)	1997	Molten Salts	(Declined due to chairing Liquids G.C.)
1991	Molten Salts and Metals	Molten Salts under Negative Pressure	1998	Water and Aqueous Solution	"Strong and Fragile Aqueous solutions"
1991	Liquids	Liquids under Large	1999	Liquids "	"Cooperative excitations and liquid-liquid transitions"

1992	Solid State Ionics	Negative Pressures Declined due to conflict)			
1992	Dielectric Phenomena	Electrical vs NMR-Spin- Lattice Relaxation			
1994	Solid State Ionics	Ionic Rubber Electrolytes			
1994	Water&Aqueous Solutions	Discussion leader			
2000	Water&Aqueous Solutions	Discussion leader	2005	Liquids	Ionics Liquids
2001	Liquids	D.L. metastable liquids			
2002	Water&Aqueous Solutions	Exploring No-Man's land"			
2003	Liquids	D.L. "nanoscopics" session			
2004	High Temp. Materials	Liquid-Liquid transitions			

(b) Other invited contributions (since 1985):

- (i) Internatl: NATO-ASIs : 11**
- Others, Europe (CECAM, Euchem, Bunsen, MECO etc): 26**
- Others, Japan, India, Australia, etc ICAM, Jap.Batt. etc. 14**
- (ii) National: Physical & Chemical Soc. Symposia: 10**
- Others: NAS, Santa Fe Inst. Series etc. 14**

7. Publications:

- (a) in print or in press 443**
- (b) cited over 100 times 43**