

**Awards, Promotions, Lectureships and Other Forms  
of Professional Recognition**

F. Albert Cotton

1955

Received Ph.D. degree from Harvard University  
Appointed Instructor in Chemistry, M. I. T.

1956

Fellow of the John Simon Guggenheim Foundation

1957

Promoted to Assistant Professor, M. I. T.

1960

Promoted to Associate Professor, M. I. T.

1961

Appointed Professor of Chemistry, M. I. T.  
Appointed Member of Editorial Advisory Board, *Inorganic Chemistry*  
Fellow of the Alfred P. Sloan Foundation, 1961-65

1962

GOOCH LECTURER, YALE UNIVERSITY, February  
Recipient of the first ACS AWARD IN INORGANIC CHEMISTRY  
Elected Fellow of the AMERICAN ACADEMY OF ARTS AND SCIENCES  
Invited speaker, Annual Meeting of The Chemical Society, London

1963

Recipient of the BAEKELAND MEDAL of the North Jersey Section, ACS  
REILLY LECTURER, Notre Dame University  
Awarded Honorary Doctorate, (D. Sc.) by Temple University  
GLIDDEN LECTURER, Iowa State University  
S. C. LIND LECTURER, East Tennessee Section, ACS  
MCGREGORY LECTURER, Colgate University

1964

Selected by Greater Boston Junior Chamber of Commerce as one of the TEN OUTSTANDING YOUNG MEN OF THE YEAR  
NEELY VISITING PROFESSOR, Georgia Institute of Technology

1965

Visiting Professor, National University of Buenos Aires, sponsored by the Ford Foundation, January-September  
Visiting Lecturer (in Spanish) at Universities of Montevideo, Santiago (Chile), Concepcion (Chile), and San Marcos University, Lima, June-August  
Plenary Lecturer, 9th Latin American Chemistry Conference, Puerto Rico, July  
Lecturer, Ninth Annual Robert A. Welch Foundation Conference on Chemical Research, November  
Reappointed to Editorial Board of *Inorganic Chemistry*

1966

Visiting Professor of Chemistry, Washington University, St. Louis, March  
MEDAL FOR SCIENTIFIC ACHIEVEMENT of the City College Chemistry Alumni Association

DISTINGUISHED VISITING PROFESSOR, Fordham University, N. Y., May  
F. P. DWYER MEDALIST AND LECTURER, University of New South Wales  
Lecturer of the New Zealand Chemical Institute, July  
Lecturer of the Royal Australian Chemical Institute, August  
Plenary Lecturer, 9th International Conference on Coordination Chemistry, St. Moritz, Switzerland,  
September  
UNIVERSITY LECTURER IN CHEMISTRY, for 1966. The University of Western Ontario, Canada,  
November  
Joined Advisory Council for Chemistry Department, Princeton

1967

Plenary Lecturer, 4th Caribbean Chemical Symposium, Jamaica, January 2-7  
DISTINGUISHED VISITING PROFESSOR, University of Iowa, March  
Elected to NATIONAL ACADEMY OF SCIENCES, April  
Sherwin-Williams Lecturer in Chemistry, University of Illinois, May  
Consultant to Ford Foundation, Argentina, Chile, Peru, Venezuela, April 1-29  
Lecturer, NATO Summer School in Ligand Field Theory, London, June

1968

SEYDEL-WOOLLEY VISITING PROFESSOR, Georgia Institute of Technology  
Plenary Lecturer, Joint Annual Meeting of The Chemical Society, The Society of Chemical Industry and the  
Irish Chemical Society, Dublin  
EDMUND CLARK LEE LECTURER, University of Chicago, May

1969

Appointed to Editorial Board of *Journal of Solid State Chemistry*  
BOOMER LECTURER, University of Alberta, January 13-17  
Plenary Lecturer, 10th Latin American Chemistry Congress, San Jose, Costa Rica, February  
Invited Speaker, Faraday Society Discussion, Cambridge, March  
CASSETT MEMORIAL LECTURER, Temple University, Philadelphia, April 30  
Invited Speaker, Gordon Conference on Molecular Pharmacology, June 16-20  
Invited Speaker, Fourth International Conference on Pharmacology, Basel, Switzerland, July 14-18  
Invited Speaker, Congress of the International Union of Crystallography, Stony Brook, N. Y., August  
Lecturer in NATO Summer School in Theoretical Chemistry, Gardone, Italy August  
Invited Main Lecturer, 3rd International Congress of Biophysics, Cambridge, Mass., August-September  
DEBYE LECTURER, Cornell University, November  
FALK-PLAUT LECTURER, Columbia University, December

1970

Four-College Lecturer (Smith, Mt. Holyoke, University, Mass., Amherst), April  
Henry Werner Lecturer, The University of Kansas, April  
Renaud Foundation Lecturer, Michigan State University, Section, ACS, April  
Kelly Lecturer, Purdue University, October  
Appointed Associate Editor of *Inorganica Chimica Acta*  
Joined Editorial Board of *Journal of Coordination Chemistry*

1971

Invited Contributor to Cold Spring Harbor Symposium on Structure and Function of Proteins at the  
Three Dimensional Level, June  
Invited Lecturer, XXIIIrd International Congress of Pure and Applied Chemistry, July  
Joined Editorial Board (as Chairman) of *Synthesis in Inorganic and Metal-organic Chemistry*  
Invited speaker, Gordon Conference on Enzymes, Coenzymes and Metabolic Pathways, July  
William Pyle Philips Lecturer, Haverford College, December

1972

Lecturer, NATO School in Theoretical Inorganic Chemistry, Terrhenia, March  
PRIESTLEY LECTURER, The Pennsylvania State University, April  
Elected to membership in the American Society of Biological Chemists  
Assumed **The Robert A. Welch Chair in Chemistry** at Texas A&M University, February 1

1973

Appointed to Editorial Board of the *Journal of Organometallic Chemistry*  
Reappointed Board of Editors of *Inorganic Chemistry*  
Appointed to Advisory Committee, Chemistry Section, NATIONAL SCIENCE FOUNDATION  
PPG Lecturer, Ohio University, April  
Plenary Lecturer, Annual National Meeting of the Societ  Chimique de France, Marseille, May  
Plenary Lecturer, Sixth International Conference on Coordination Chemistry, Amherst, Mass., August  
Speaker, Gordon Research Conference on Bioinorganic Chemistry, August  
Plenary Lecturer, International Conference on Molybdenum Chemistry, Reading, England, September  
EVANS AWARD, Ohio State University  
Appointed ROBERT A. WELCH DISTINGUISHED PROFESSOR, May

1974

Ingersoll Lecturer, Vanderbilt University, January  
CENTENARY MEDALLIST AND LECTURER, The Chemical Society of London, February  
FIRTH VISITING PROFESSOR OF CHEMISTRY, Sheffield University, March  
AMERICAN CHEMICAL SOCIETY AWARD FOR DISTINGUISHED SERVICE TO INORGANIC CHEMISTRY, April  
FOSTER LECTURER, State University of New York, Buffalo, April  
Lecturer in the Visiting Scholar Program of the University Center in Virginia, May  
Plenary Lecturer, International Conference on Metals in Organic Chemistry, Venice, September  
Plenary Lecturer, First European Inorganic Symposium, Ettal, Germany, July

1975

NICHOLS MEDAL, N. Y. Section, ACS, March  
ROYAL DANISH ACADEMY OF SCIENCES AND LETTERS (Mathematics-Natural Sciences Class),  
elected Foreign Member, April  
Plenary Lecturer, Third International Congress of the Iranian Chemical Society, Shiraz, Iran, April  
Le Bel Lecturer, Universite Louis Pasteur, Strasbourg, France, May  
Plenary Lecturer, Seventh International Conference on Organometallic Chemistry, Venice, September  
Lecturer, NATO School of Theoretical Inorganic Chemistry, Ostuni, Italy, September  
HARRISON HOWE AWARD, Rochester Section, ACS, October  
Visiting Professor, University of Rochester, October  
Visiting Professor, University of Texas, Austin, November  
Plenary Lecturer, First Chemical Congress of the North American Continent, Mexico City, November 30-  
December 5

1976

EDGAR FAHS SMITH AWARD, Philadelphia Section, ACS, March  
Visiting Professor, Israel Institute of Technology, Haifa, May  
Principal Speaker, Gordon Research Conference on Organometallic Chemistry, August  
Plenary Lecturer, Second International Conference on the Chemistry and Uses of Molybdenum, Oxford,  
England, September  
Phi Lambda Upsilon Lecturer, University of Nebraska, September  
Coover Lecturer, Iowa State University, September  
Visiting Professor, H. C. Oersted Institute, University of Copenhagen, October  
PAULING MEDAL, Puget Sound and Oregon Sections, American Chemical Society, November

1977

Chairman-elect, Division of Inorganic Chemistry, ACS  
Visiting Professor, H. C. Oersted Institute, University of Copenhagen, May  
Faculty Distinguished Achievement Award in Research, May  
ACS SOUTHWEST REGIONAL AWARD, December  
Elected HONORARY LIFE MEMBER, NEW YORK ACADEMY OF SCIENCES, November

1978

Chairman, Division of Inorganic Chemistry, ACS  
Douglas Hill Lecture, Duke University, February  
JOHN GAMBLE KIRKWOOD MEDAL, Yale University, March  
Plenary Lecture, Euchem Conference on Electronic Structure, Maynooth, Ireland, April  
John Stauffer Lecture in Science, University of Southern California, April  
Elected Councilor to ACS for Texas A&M Section, January  
Elected to Phi Beta Kappa National Honorary Society  
Elected to Alpha Chi Sigma Professional Chemistry Fraternity  
Principal Speaker, Gordon Research Conference on Electron Density Distributions, June  
Principal Speaker, Gordon Research Conference on Inorganic Chemistry, August  
Visiting Professor, Northwestern University, August  
Appointed to Advisory Committee, Chemistry Div., Argonne National Laboratory

1979

Appointed to Advisory Board, *Chemical & Engineering News*, January  
Appointed to United States National Committee for the International Union of Pure and Applied Chemistry  
Lecturer, Bürgenstock Conference on Stereochemistry, May  
Visiting Professor, University of Lausanne, May  
Member, NSF panel to evaluate proposals for regional instrument centers, June  
GOTTINGEN ACADEMY OF SCIENCES, elected Corresponding Member, June  
Member, panel to evaluate research in Catalysis, Exxon Research and Development Company, July  
Principal speaker, Third International Conference on the Chemistry and Uses of Molybdenum, Ann Arbor, August  
Conference Lecturer, 14th European Conference on Molecular Spectroscopy, Frankfurt, September  
Appointed to Advisory Board, *Topics in Stereochemistry*  
Awarded Honorary Doctorate, (D. rer. nat. h.c.) by University of Bielefeld, November

1980

Lecturer, Faraday Society Symposium on Diatomic Metals and Metallic Clusters, Manchester, January  
Member, Review Team for Structural Chemistry and Thermodynamics, NSF, February  
MICHELSON-MORLEY AWARD, Case Western Reserve University, April  
WILLARD GIBBS MEDAL, Chicago Section, ACS, May  
Awarded Honorary Doctorate, (D. Sc.) by Columbia University (New York), May  
Plenary Lecturer, 21st International Conference on Coordination Chemistry, Toulouse, July  
Plenary Lecturer, Workshop on Transition Metal Chemistry, Bielefeld, Germany, July  
Plenary Lecturer, South African Chemical Institute, Convention and visits to various Universities, July-August  
R. T. Major Lecturer, University of Connecticut, October  
Invited Lecturer, joint Southeast/Southwest Regional ACS Meeting, December

1981

Dreyfus Lecturer, Brandeis University, May  
Appointed to Editorial Advisory Board, *Organometallics*  
Reappointed to Advisory Committee, Chemistry Division, Argonne National Laboratory  
Awarded Honorary Doctorate, (D. Sc.) by Northwestern University, June  
Elected Honorary Member, Royal Society of Chemistry, June  
Lecturer, Intercantonal Summer School for 3e Cycle in Chemistry, Switzerland, September  
Plenary Lecturer, Annual Meeting of the German Chemical Society, September

Elected Honorary Member, Italian Chemical Society, September  
Awarded Honorary Doctorate, (D. Sc.) by the Université of Bordeaux, October

1982

GAF Lecturer, Lehigh University, March  
F. C. Phillips Lecturer, University of Pittsburgh, April  
Kolthoff Lecturer, University of Minnesota, May  
Lecturer, 10th Leermakers Symposium Wesleyan University, May  
Recipient of Honorary Doctorate, (D. Sc.) St. Joseph's University, May  
Speaker, Joint American-Canadian-British Inorganic Chemistry Symposium, Indiana University, May  
Speaker, NSF Workshop in Organometallic Chemistry, Penn. State University, June  
Plenary Speaker, International Conference on Inorganic Stereochemistry, Reading, UK, July  
Nyholm Medalist and Lecturer, Royal Society of Chemistry, October  
Waldo Semon Lecturer, Kent State University, Ohio, November  
Recipient of Honorary Doctorate, (D. Sc.) Université Louis Pasteur, Strasbourg, France, December  
Appointed to Board on Chemical Science and Technology of NAS/NRC  
Member, Planning Committee for Survey of Chemistry (So-called Pimentel Report)

1983

Monsanto Lecturer, Washington University, April  
Recipient of Honorary Doctorate, (D. Sc.) Universidad de Valencia, May  
Chini Lecturer of the Italian Chemical Society, Florence, May  
Recipient of Honorary Doctorate, (D. Sc.) Kenyon College, May  
Recipient of the NATIONAL MEDAL OF SCIENCE FOR 1982, May  
Recipient of Honorary Doctorate, (D. Sc.) The Technion-Israel Institute of Technology, June  
Recipient of the New York Academy of Sciences Award in Physical and Mathematical Sciences for 1983  
Elected Secretary, Class of Physical Sciences, National Academy of Sciences (1983-86).

1984

Commissioned a Kentucky Colonel, January  
University of Louisville Distinguished Lecturer in Chemistry, February  
Annual Distinguished Lecturer, ACS Student Affiliates, University of Michigan, February  
James & Jean Neckers Lecturer, Southern Illinois University, April  
Barré Lecturer, Université de Montréal, October  
Reappointed to Editorial Board of Inorganic Chemistry  
Reappointed to Editorial Board of Organometallics  
Plenary Lecturer, Annual Meeting of Council for Chemical Research, Berkeley, CA, September  
Appointed to Scientific and Technical Advisory Committee for Argonne National Laboratory  
Appointed to Editorial Board of *Polyhedron*

1985

Elected Honorary Fellow of the INDIAN ACADEMY OF SCIENCES, January  
Appointed A. R. Todd Professor, Cambridge University, 1985-86.  
Elected Visiting Fellow, Robinson College, Cambridge, 1985-86.  
Appointed to Editorial Board of *Chimia* (Swiss Chemical Society)  
Elected Chairman, Class of Physical Sciences, National Academy of Sciences, (1985-1988)  
J. Willard Davis Annual Lecturer, University of South Carolina, April.  
Invited lecturer, Gordon Res. Conference on Inorganic Chemistry, August  
Vauquelin Lecturer, University of Texas, September  
Elected Honorary Fellow, INDIAN NATIONAL SCIENCE ACADEMY, September  
Member, NSF Interdisciplinary Panel to Select Presidential Young Investigators, December

1986

Reappointed to Editorial Board of Inorganic Chemistry  
Reappointed to Editorial Board of Organometallics

Recipient of the T. W. RICHARDS MEDAL, New England Section, ACS, March  
J. T. Donald Lecturer, Montreal, March  
Gooch-Stevens Lecturer, Baylor University, April  
Plenary Lecturer, Symposium to Honor C. J. Ballhausen, Copenhagen, April  
Recipient of Honorary Doctorate, (D. Sc.) Cambridge University, June  
Vice Chairman, Gordon Research Conference on Inorganic Chemistry, August  
Appointed to the NATIONAL SCIENCE BOARD, 1986-1992

#### 1987

Reappointed to Editorial Board of Inorganic Chemistry  
Elected Honorary Fellow, ROYAL SOCIETY OF EDINBURGH  
Chairman, Gordon Research Conference on Inorganic Chemistry  
Appointed to National Research Laboratory Commission (for State of Texas), 1986-1988.  
Krug Lecturer, Alpha Chi Sigma, Zeta Chapter, Department of Chemistry, University of Illinois  
Friend E. Clark Lecturer, West Virginia University  
Invited Lecturer, Third International Conference on the Chemistry of the Platinum Group Metals,  
Sheffield University.

#### 1988

Reappointed to Editorial Board of Inorganic Chemistry  
Appointed to Texas Scientific Advisory Council  
Received Madison Marshall Award, North Alabama Section, ACS (February)  
Joel Broberg Lecturer, North Dakota State University (April)  
Frontiers in Chemistry Lecturer, University of Toledo (April)  
Distinguished Dow Lecturer, Michigan State University (October)

#### 1989

Reappointed to Editorial Board of Inorganic Chemistry  
Elected Visiting Fellow, Robinson College, Cambridge, 1989-90  
Guggenheim Fellowship, 1989-90  
Recipient of Honorary Doctorate, (D. Phil. Nat. h.c.), Johann Wolfgang Goethe-Universität, Frankfurt, May  
Recipient of Honorary Doctorate, (D. Sc.) Univ. of South Carolina, August.  
Visiting Professor, Ecole Nationale Supérieure de Chimie de Paris, November

#### 1990

Alexander von Humboldt Research Award for Senior U.S. Scientists, 1990  
KING FAISAL INTERNATIONAL PRIZE in Science, March  
Award in the Chemical Sciences for 1990, National Academy of Sciences, April  
Lecture in CONCOORD meeting, Dinard, France and Visiting Professor, Université de Rennes, France, May  
Medal of the University of Camerino (Italy), June  
Univ. of Vermont, Ester Humphrey Symp. Speaker, October  
ICI Canada Distinguished Lecturer, U. of Manitoba, October  
American Institute of Chemists Chemical Pioneer Award

#### 1991

W. Albert Noyes Jr./Mobay Memorial Lecturer, Univ. of Rochester, February  
Elected to Council of the National Academy of Sciences, for term 1991-1994  
Visiting Professor, University of Rennes, July  
Inaugural Gordon Stone Lecture, Bristol University, December

#### 1992

Arthur D. Little Visiting Professor, MIT, March  
Jacob Bigeleisen Lecturer, SUNY, Stony Brook, April  
Lecturer, CONCOORD meeting, Paris, May  
Lecturer, French Academy of Science, Paris, May

Reappointed to National Science Board, June  
Visiting Professor, Université de Rennes, July  
Recipient of Honorary Doctorate, (D. Sc., h.c.), Université de Rennes, July  
Plenary Lecturer, 29th Int. Conf. Coord. Chem., Lausanne, July  
Elected Honorary Fellow, Robinson College, Cambridge University  
Elected Fellow, AMERICAN PHILOSOPHICAL SOCIETY  
D.Sc. (hon.), Lomonosov (Moscow) University, November  
Elected Foreign Member, ACADEMIA EUROPAEA, December  
Appointed to NRC Governing Board  
Appointed to COSEPUP

#### 1993

DuPont Lecturer, Indiana University, February  
Jeremy Musher Lecturer, Hebrew University, Jerusalem, May  
Elected to Executive Committee, NSB, May  
D.Sc. (hon), Fujian Institute of Research on the Structure of Matter, Chinese Academy of Sciences, September  
Jonassen Lecturer, Tulane University, October  
Nieuwland Lecturer, Notre Dame University, November

#### 1994

Medal of Padua University, March  
D.Sc. (hon.), University of Pisa, March  
Elected Foreign Member of RUSSIAN ACADEMY OF SCIENCES, March  
Iddles Lecturer, University of New Hampshire, April  
Paracelsus Prize, Swiss Chemical Society, April  
Elected Foreign Member of the ROYAL SOCIETY OF LONDON, June  
Robert A. Welch Prize, October  
John C. Bailar Medal, University of Illinois, October  
D.Sc. (hon), University of Zaragoza, December

#### 1995

Elected Foreign Member, INSTITUT DE FRANCE, ACADEMIE DES SCIENCES, March  
F. A. Cotton Medal, March  
D.Sc. (hon), Cleveland State University, June  
Polyhedron (Wilkinson) Prize for Creativity in Inorganic Chemistry, July

#### 1996

Watt Lecturer, University of Texas at Austin, April  
Sigillum Magnum 250 (*Inorganica Chimica Acta*), September  
D.Sc. (hon), University of Crête, October  
D.Sc. (hon), Michigan State University, December

#### 1997

D.Sc. (hon), University of Paris, February  
Distinguished Scientist Award (Sigma Xi), April  
D.Sc. (hon), University of Palermo, September  
JOHN SCOTT MEDAL, Philadelphia, November

#### 1998

The PRIESTLEY MEDAL, ACS, March  
Inaugural Lewis Lecture, Cambridge University, May

Gold Medal of the American Institute of Chemists, May  
Elected to Council of Friends, Chemical Heritage Foundation

2000

Coates Lecturer, University of Wyoming, April  
WOLF FOUNDATION PRIZE in Chemistry, May  
D.Sc. (hon), Universitat Jaume I, June  
LAVOISIER MEDAL, French Chemical Society, September  
Inaugural Walton Lecture, Purdue University, November  
D.Sc. (hon), North Carolina State University, December

2001

Award in Organometallic Chemistry, ACS, April  
Keynote Speaker, OMCOS Conference, Taipei, Taiwan, July  
D.Sc. (hon), The Ohio State University, December

2002

D.Sc. (hon), The Hebrew University, June  
D.Sc. (hon), Drexel University, June  
Elected Foreign Member, CHINESE ACADEMY OF SCIENCES, PRC, June  
Olah Lecturer, University of Southern California, October  
Inaugural Herron Lecturer, Florida State University, October

2003

Baxter Lecturer, University of Northern Illinois, March  
Honorary Professorship, Jilin University, PRC, March  
Gomberg Lecturer, University of Michigan, April  
Gauss Professor, Göttingen Academy of Sciences, November

2004

Elected to EUROPEAN ACADEMY OF SCIENCES  
Dow Lecturer, California Institute of Technology, February

2005

R. S. Mulliken Lecturer, University of Georgia, March  
Ritter Lecturer, Miami University, Oxford, OH, March  
Warren Lecturer, Vanderbilt University, September  
MONIE FERST AWARD, SOCIETY OF SIGMA XI, October

2006

Elected to the Board of Directors, American Institute of Chemists  
ACS GEORGE PIMENTEL AWARD in CHEMICAL EDUCATION, March  
Texas A&M Association of Former Students special award for mentoring graduate students, May  
Kuivila Lecturer, SUNY-Albany, May  
Honorary Professorship, Sun-Yat Sen University (Quangzhou), September  
Honorary Professorship, Renmin University (Beijing), September  
Honorary Doctorate, Lanzhou University, September

BOOKS - WRITTEN AND EDITED  
(40 foreign language translations)

F. A. Cotton

Written



1. ADVANCED INORGANIC CHEMISTRY (co-author, G. Wilkinson). Interscience Publishers - John Wiley, New York, 1962.
2. CHEMICAL APPLICATIONS OF GROUP THEORY, Interscience Publishers - John Wiley, New York, 1963.
  - (a) French translation. Published by Dunod, Paris, 1968
3. ADVANCED INORGANIC CHEMISTRY (co-author, G. Wilkinson), 2nd Edition. Interscience Publishers - John Wiley, New York, 1966.
  - (a) German translation. Published by Verlag Chemie, 1967
  - (b) Italian translation. Published by Casa Editrice Ambrosiana, Milan, 1968
  - (c) Spanish translation. Published by Limusa Wiley (Mexico), 1969
  - (d) Russian translation. Published in three volumes in 1969, and 1970
  - (e) Japanese translation. Published in 2 volumes, 1972
  - (f) Chinese translation (Taiwan), 1973
  - (g) Czech translation, 1973
4. ADVANCED INORGANIC CHEMISTRY (co-author, G. Wilkinson), 3rd Edition, Interscience Publishers - John Wiley, New York, 1972.
  - (a) German translation, Verlag Chemie, 1974
  - (b) Italian translation, Ambrosiana, Milan, 1974
  - (c) Bulgarian translation, 1977
  - (d) Chinese translation (Mainland), 1980
5. ADVANCED INORGANIC CHEMISTRY (co-author, G. Wilkinson), 4th Edition, Interscience Publishers - John Wiley, New York, 1980.
  - (a) German translation, 1982
  - (b) Italian translation, 1984
  - (c) Japanese translation, 1987
  - (d) Spanish translation, 1996
6. ADVANCED INORGANIC CHEMISTRY (co-author, G. Wilkinson), 5th Edition, Interscience Publishers - John Wiley, New York, 1988.
7. ADVANCED INORGANIC CHEMISTRY (co-authors, G. Wilkinson, C. A. Murillo, M. Bochmann), 6th Edition, Interscience Publishers - John Wiley, New York, 1999.
8. CHEMISTRY, AN INVESTIGATIVE APPROACH (co-author, L. Lynch). Published by Houghton Mifflin Company, Boston, 1968.
  - (a) Japanese translation, 1972
  - (b) Portuguese translation, 1972
9. CHEMISTRY, INVESTIGATIVE APPROACH (co-authors, L. Lynch, C. L. Darlington) 2nd Edition, Houghton Mifflin, 1973.
  - (a) Spanish translation, Publicaciones Cultural, S. A. (Mex. D. F.), 1976
  - (b) Greek translation, 1995
10. CHEMICAL APPLICATIONS OF GROUP THEORY, 2nd Revised and Augmented Edition,

- Interscience Publishers - John Wiley, New York, 1971.
- (a) Polish translation, 1973
  - (b) Italian translation, Tamburini Editore, Milan, 1975
  - (c) Spanish translation, Limusa Editorial, 1977
  - (d) Japanese translation, 1979
  - (e) Chinese translation (Mainland), 1980
11. CHEMICAL APPLICATIONS OF GROUP THEORY, 3rd Revised and Augmented Edition, Interscience Publishers - John Wiley, New York, 1990
- (a) Chinese translation (Mainland), 1999
12. BASIC INORGANIC CHEMISTRY, (Co-author, G. Wilkinson), John Wiley and Sons, New York, 1976.
- (a) Portuguese translation, 1978
  - (b) Spanish translation, 1978
  - (c) Japanese translation, 1979
  - (d) Russian translation, 1979
  - (e) Malaysian translation, 1980
  - (f) Chinese (PRC) translation, 1982
  - (g) Persian translation, 1984
  - (h) Indonesian translation, 1989
13. BASIC INORGANIC CHEMISTRY, (Co-authors, G. Wilkinson and P. L. Gaus), 2nd Edition, John Wiley and Sons, New York, 1987.
- (a) German translation, 1990
  - (b) Italian translation, 1991
  - (c) Polish translation, 1995
14. BASIC INORGANIC CHEMISTRY, (Co-authors, G. Wilkinson and P. Gaus), 3rd Edition, John Wiley & Sons, New York, 1995.
- (a) Korean translation, 1996
  - (b) Japanese translation, 1998
15. MULTIPLE BONDS BETWEEN METAL ATOMS, (Co-author, R. A. Walton), John Wiley and Sons, New York, 1982.
- (a) Russian translation, 1985
16. MULTIPLE BONDS BETWEEN METAL ATOMS (Co-author, R. A. Walton), 2nd Edition, Oxford University Press, 1993
17. MULTIPLE BONDS BETWEEN METAL ATOMS, F. A. Cotton, C. A. Murillo, R. A. Walton, Eds., 3<sup>rd</sup> Edition, Springer Science and Business Media, Inc., 2005

Edited

17. PROGRESS IN INORGANIC CHEMISTRY, Vols. 1-10, (annual collections of reviews). Interscience Publishers John Wiley, New York, 1959-1968.
18. INORGANIC SYNTHESSES, Vol. 13. McGraw-Hill, New York, 1970.

19. DYNAMIC NUCLEAR MAGNETIC RESONANCE SPECTROSCOPY, (Lloyd Jackman, co-editor), Academic Press, 1975.
20. CATALYSIS BY DI- AND POLYNUCLEAR METAL CLUSTER COMPLEXES (R. D. Adams, co-editor) Wiley-VCH, 1998.
21. MULTIPLE BONDS BETWEEN METAL ATOMS (C. A. Murillo and R. A. Walton, co-editors) 3<sup>rd</sup> Edition, Springer, 2005.

#### Comments on Textbooks

1. ADVANCED INORGANIC CHEMISTRY has been, by a long margin, the dominant textbook of inorganic chemistry in the world for over 35 years. More than 600,000 copies have been sold and there have been fifteen foreign language translations.
2. BASIC INORGANIC CHEMISTRY has sold over 120,000 copies in English alone, and there have been thirteen foreign language translations.
3. CHEMICAL APPLICATIONS OF GROUP THEORY is the most widely used introductory book in its field and has been frequently and typically described by reviewers and in annotated bibliographies as "the best book for chemists to learn group theory" or words to that effect. Over 75,000 copies have been sold in English and there have been seven foreign language translations.
4. CHEMISTRY, AN INVESTIGATIVE APPROACH was the first of the second-generation CHEMStudy books for high school chemistry. It has been widely adopted, the 1st edition having sold some 350,000 copies.

#### Training of Students and Postdoctoral Fellows

His impact on academic chemistry through his former students and postdocs have been exceptional. One hundred and fifteen students have completed the Ph.D. under his direction. Of these, the following 45 hold (or held) academic positions:

J. W. George, University of Massachusetts (retired)  
 \*R. H. Holm, Harvard University  
 J. P. Fackler, Jr., Texas A&M University  
 W. DeW. Horrocks, Jr., Pennsylvania State University  
 O. D. Faut, Wilkes College (PA)  
 R. H. Soderberg, Dartmouth University  
 J. L. Bills, Brigham Young University  
 T. E. Haas, Tufts University  
 R. C. Elder, University of Cincinnati  
 R. Francis, Rochester University of Technology (deceased 1987)  
 \*S. J. Lippard, Massachusetts Institute of Technology  
 J. T. Mague, Tulane University  
 J. W. Faller, Yale University  
 W. R. Robinson, Purdue University  
 \*C. B. Harris, University of California, Berkeley  
 D. C. Richardson, Duke University Medical School  
 P. Legzdins, University of British Columbia

\*T. J. Marks, Northwestern University  
C. J. Bier, Ferrum College (VA)  
W. G. Klemperer, University of Illinois  
M. Jeremic, Faculty of Science, Belgrade University  
J. G. Norman, Jr., University of Washington  
C. H. Lukehart, Vanderbilt University  
J. Takats, University of Alberta  
A. Arnone, U. of Iowa (Med. School)  
J. R. Pipal, Alfred University  
A. G. Shaver, McGill University  
R. D. Adams, U. of So. Carolina  
B. M. Foxman, Brandeis University  
C. A. Murillo, University of Costa Rica  
P. A. Tucker, Dept. of Microbiology, Univ. of Texas, Austin  
B. E. Hanson, Virginia Polytechnic Institute  
M. J. Legg, St. Ambrose University (IO)  
G. G. Stanley, Louisiana State University  
G. L. Powell, Abilene Christian University  
R. M. Llusar, Universitat Jaume I (Spain)  
T. Ren, Purdue University (West Lafayette, IN)  
J.-D. Chen, Chung Yuan Christian University (Taiwan)  
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C. S. Miertschin, Winona State University (Winona, MN)  
S.-J. Kang, Korea National University of Education (Chongwon, Korea)  
Y. Kim, Ewha Womens University (Seoul, Korea)  
A. Yokochi, Oregon State University (Corvallis, OR)  
D. Timmons, Virginia Military Institute (Lexington, VA)  
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He has had over 155 postdoctoral research associates from 30 countries, many of whom have since become Professors or the equivalent of American assistant or associate professors.