Ron Archer is taking a well deserved sabbatical leave this semester, so I am writing in his place to tell you what we've been doing since the last Gazette reached you. Having two offices 15 floors apart hasn't increased my efficiency. (Needless to say no one is looking forward to Ron's return this June more than I am.)

Faculty activities are too numerous to list completely. Books keep appearing. Bob Rowell has co-edited *Colliod and Interface Science*, Vol. 1 - Academic Press with M. Kerken and A. Zettelmoyer while Peter Uden and Sid Siggia (joint with H.B. Jensen) have co-edited, *Analytical Chemistry of Liquid Fuel Sources* - Volume 170 of the ACS Advances in Chemistry Series. Sid Siggia (with J.G. Hanna) has brought out the 4th edition of his classic, *Quantitative Organic Analysis via Functional Groups* - Wiley. Bernie Miller's new one semester organic text, *Organic Chemistry, the Basis of Life* - Benjamin Cummings has appeared and Dorothy Barnes' and John Chandler's, *Laboratory Experiments in General Chemistry* - Glencoe is imminent. Journal Editors include Peter Uden - *The Analyst* and Steve Hixson - *Molecular Photochemistry*. Ray Barnes is not only editor but also publisher of *ICP Information Newsletter*. (ICP = inductively-coupled plasaura for you uninitiates out there). It feels good to have the journal editor on your side, however the writer feels obliged to observe that it took a long time for *Molecular Photochemistry* to accept his last manuscript.

Bill McEwen is on the ground floor being a member of the ACS Committee on Publications. Both Bill and Bob Rowell are ACS Councillors and Bill is also Chairman of the Chemistry Section of AAAS. Sid Siggia contributed a speech for the ceremony marking the 50th anniversary of *Journal of Analytical Chemistry*. Dick Stein has ranged the furthest as a member of the first official US Chemistry Delegation to the
People's Republic of China led by Glenn Seaborg in 1977. You can read Dick's assessment of Polymer Science in China as a chapter in John Baldeschweiler's recent book *Chemistry and Chemical Engineering in the People's Republic of China*, published by ACS in 1979. Finally, a major shift in faculty responsibilities occurred this fall when George Oberlander relinquished his duties as Director of Laboratories and returned to full-time teaching as John George assumed these and other duties as departmental Business Manager. I want to take this opportunity to thank George Oberlander for his long service to the department as Director of Laboratories.

Amherst is just as pleasant as you all recall it, though a little larger; but it's good to get away. Our current sabbatical fugitives are Ron Archer, at the Naval Research Laboratory, Washington, D.C.; Ron Archer will finish his leave by travelling in East Germany (Leipzig, Jena, East Berlin, and Halle), Poland (Krakow) and Czechoslovakia (Prague); Steve Hixson at University of North Carolina; Bob Holmes, Universite Louis Pasteur, Strasbourg, France; and Sid Siggia, who is in residence but maintains a low profile. Bob Rowell has been on leave as a visiting Lecturer at University of Bristol (England) during part of this semester and will return there this summer. He is writing an introductory text on Colloid chemistry.

There have been some promotions: Ray Barnes, Dave Curran, Steve Hixson, Bob Rowell, and Peter Uden all to Professor and Marion Rhodes to Associate Professor.

In the undergraduate area I believe we are seeing the beginnings of significant change. A 40% drop in the secondary school population of New England by 1995 is projected. To succeed, the University must have attractive and academically sound programs and so an effective job of recruiting students. I do not expect our sound BS and BA programs in chemistry to change in fundamental ways, but we will do some fine tuning to meet student needs and must make substantial efforts to attract good chemistry majors at the entrance level. Ron Archer has lead the development of an exchange program with University of East Anglia, Norwich, England. UEA students will
spend the second of their 3 years at UMass while UMass students will spend their ju-
nior year at UEA. Careful coordination of curricula insures that time spent abroad
will count fully toward the BS degree. By the time the first full-scale exchange is
made in fall 1981, we hope to have found sufficient scholarship support to reduce
the cost of a year at UEA to that for an instate student at UMass + travel. A pro-
gram of internships has begun in which students can earn up to 4 credits toward gra-
duation for field experience. Emphasis is placed on the student learning new chem-
istry and techniques, and close supervision by a faculty sponsor is required. A
program which will allow students to declare a "minor" in chemistry awaits approval
by the Board of Trustees. An important factor in enrichment of our undergraduate
chemistry majors experience is the existence of an active Chemistry Club which is
a local ACS Student Affiliate. With the help of Tom Zajicek they have conducted a
variety of activities, the latest of which was a visit to Cyanamid's research and
production facility in Stamford, CT.

The number of excellent students graduating this year and last has made selec-
tion of department award winners a challenging task. Winners are listed below:

<table>
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<tr>
<th>Award</th>
<th>Class of '79</th>
<th>Class of '80</th>
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<tr>
<td>Connecticut Valley ACS Award</td>
<td>Pamela Turci</td>
<td>Robert Quirbach</td>
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<tr>
<td>American Institute of Chemists Award</td>
<td>Robert Zwonik</td>
<td>Amy Braverman</td>
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<tr>
<td>Fessenden Award</td>
<td>Edward Januszkiewic</td>
<td>William Harwood</td>
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<td>Merck Award</td>
<td>Bruce Smith</td>
<td>John Gawienowski and Keith Wilkins</td>
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As juniors, Amy Braverman won the ACS Analytical Division Award and Bob Quirbach was
a recipient of one of 40 Alumni Scholarships awarded in a University-wide competition.
(This writer feels that students in sciences and engineering have found it increasingly
difficult to compete for University-wide awards owing to the relative lack of "grade
inflation" which has occurred in their areas.)

There have been no major changes in the graduate program in the last two years. Currently we have about 105 graduate students, and the class of 25 students which enrolled last fall was the largest in the last several years. First year students now attend a weekly "Faculty Research Seminar" at which our faculty discuss their research programs. Our greatest handicap in attracting qualified students is that we offer a lower stipend than strong competing departments (see below for more on budgets). Our greatest assets are the quality of our program and physical facilities and the attractive Amherst area.

The Chemistry Alumni Sponsored Distinguished Lecturer Series has measurably enriched our scientific life and the graduate (and undergraduate) program here. In the past year lecturers have been Richard Holm (Stanford University - soon to be at Harvard), David Hume of MIT, Jerome Benson of Yale University and Ronald Breslov of Columbia University. Dick Holm earned his BS at UMass in 1955 and his Ph.D. from MIT in 1959, and is one of two UMass graduates who are members of the American Academy of Arts and Sciences. He lectured during his visit to receive an honorary Doctor of Science degree from the University at the May 1979 commencement exercises.

Dick Holm is not the only alumnus to speak to us. Seminars have been presented this academic year by Richard Brown (inorganic division) from University of Maine, by Peter Gund-Merck and Charles Zepp-Polaroid (organic division) and Robert Pojasek (analytical division)-ERCO Energy Resources Corp. We are looking forward to visits from James Williams-Markem Corp. and Ronald Sahatjian-Polaroid later this semester. Two present graduate students have won University Fellowships (about 25 are awarded each year on a campus wide competitive basis): Scott Estes, who is working with Prof. Uden and Charles Poutasse, who is working with Prof. Barbara Kalbacher. Both
students and faculty have been pleased by the demand for Ph.D. and M.S. chemists these last two years. The on-campus interview schedule has been exceptionally heavy.

I would characterize the overall state of the department as strong in human resources and hard pressed in budgetary terms. Our faculty numbers 37 plus George Richason and Harold Smith who are formally retired but work part time. Seventeen of those faculty have joined us since fall 1963, two of them as general chemistry instructors and the rest at the Ph.D. level. It is a tribute to Bill McEwen's leadership that all of the latter 15 have active research programs today.

Trying to keep research instruments up to date requires constant effort. Major acquisitions are a new gas chromatograph-mass spectrometer interfaced system acquired with an NSF grant by Chemical Engineering and Peter Uden on joint grant. Peter, Jimmy Chien and Chemical Engineering have collaborated on a successful NSF grant which will soon add a high pressure liquid chromatograph with m/s interface to this system. Considerable benefit is derived by Chemistry and by Polymer Science and Engineering by making departmental instruments available to users in both departments. Thus, acquisition of Fourier transform infrared and Raman capability by Prof. Hsu and PSE has added a substantial increment to our capability.

Our budgets give cause for concern. Non-personnel state support accounts have fluctuated greatly and declined drastically in the process. In terms of percentage of the fiscal year 1975 budget the recent years have gone like this: FY 78-79%, FY 79-80%, FY 80-81%. A University study of a group of "peer" universities shows our budget is grossly deficient and that this problem is shared by our natural sciences and engineering departments. The leadership at the top which our new Chancellor, Dr. Henry Koffler, is providing shows some promise for ameliorating this situation, but the immediate message to us is clear. For the Department, and especially its researchers,
to survive faculty must attract more of their own support in the form of grants for research and other support from government, private foundations and industry. The annual value of research grants held by chemistry faculty last fall was about $1.1 million. We will need to improve on this, and I believe we can.

Our alumni represent a growing source of strength. Every year there are more of you and the sum of your achievements grows. At virtually every meeting I attend or company I visit, as well as at many academic departments, I find one or more of you. I mentioned earlier that Dick Holm's scientific accomplishments were recognized by the University in the form of an honorary degree. Another alumnus whose achievements stand out this year is Richard J. Mahoney (BS 1955) who became president of Monsanto this spring. We received a gift for scholarships from Eastman Kodak on behalf of Bob Cournoyer (BS 71, Ph.D. 74), Wayne Erickson (BS 68), and Sally Gardner (Ph.D. 74) who are with Kodak. Along with the opportunity to pursue ones scientific interests in the company of bright and stimulating young people one of the chief sources of satisfaction to faculty here is the feeling that we've contributed in some way to the fine careers that many of you have built.

We have benefited substantially from alumni contributions in the past, and we hope even more of you will be able to help this year. More important to us than dollar totals is the number of our alumni who help us. I want to call your attention to the fact that you can designate that your contributions to the UMass Alumni Fund go to the chemistry department. While dollars help, what is most important in the long run is your continued interest in and contact with the department and its program—a sort of moral support. If some of you who feel you received something valuable here wrote to us or to the University to say so; if those of you who feel our undergraduate and graduate programs are strong would let others—prospective students, academic liaison people at your company office, chemists in general know it;
if those of you who reside in Massachusetts will advise your legislators and other state officials of your concern for their continued support of the University; this sort of grass roots effort can help us immensely in the future. Last of all please write and let us know what you are doing so we can include this in the next edition of the Gazette. Best wishes to all of you for a good year.

Peter Lillya
Professor and Acting Head
Doctoral Dissertations

Name | Title                                                                 | Research Director | Present Location                                           |
-----|----------------------------------------------------------------------|-------------------|------------------------------------------------------------|
Lin, Wen-Chung | "The Preparation and Spectra of Some Substituted 2,2,4,4-Tetramethylcyclobutanones and Related Compounds" | Prof. G.W. Cannon | Hydrocarbon Research Group, Chemical Engineering Dept., U. of Southern California, Los Angeles, CA. |
Mintz, Eric Allen | "Metallo-Aromatic and Photo-Induced Reactions of Organochromium Compounds" | Prof. M.D. Rausch | Postdoctoral Fellow '78-'79 Institut fur Anorganische Chemie, Aschen, Germany, '79 with Prof. Tobin Marks, Northwestern University, Evanston, Ill. |
Bigley, Imogene E. | "High Pressure Liquid Chromatographic Studies on Metal Complexes" | Prof. P.C. Uden | Union Carbide Corp., Bound Brach, N.J. |
Couch, Linda S. | "Spectroscopic Studies of Some Simple and Complex Pentacoordinated Molecules" | Prof. R.R. Holmes | Chemistry Faculty, James University, Harrisburg, VA. |
DiLella, Daniel P. | "Preparation and the Vibrational Analysis of the C2D, Deuterium Labeled Pyridines" | Prof. H.D. Stidam | Postdoctoral Fellow, Univ. of Toronto, Toronto, Ontario, Canada. |
Gamache, Robert R. | "The Theory of Molecular Crystal Defects and Small Molecules Trapped in Matrices" | Prof. P.E. Cade | Postdoctoral Fellow, Center for Atmosphere Research, U. of Lowell, Lowell, MA |
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<tr>
<th>Name</th>
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<th>Present Location</th>
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<tbody>
<tr>
<td>Lloyd, Robert J.</td>
<td>&quot;Pyrolysis, Vapour Phase Analysis, and Element Specific Detection of Salicylaldehyde and β-Ketoamine Metal Complexes&quot;</td>
<td>Prof. P.C. Uden</td>
<td>Proctor &amp; Gamble Co., Miami Valley Laboratories, Cincinnati, Ohio</td>
</tr>
<tr>
<td>Parsons, John W.</td>
<td>&quot;Light Scattering and Bi-refringence Measurements of Aqueous Colloidal Systems Subjected to a Variable Intensity Optical Frequency Orienting Field&quot;</td>
<td>Prof. R.L. Rowell</td>
<td>American Cyanamid Co., Bound Brook, N.J.</td>
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<tr>
<td>Clark, Thomas</td>
<td>&quot;X-ray Structural Analysis and Molecular Mechanics Modeling of Some Pentacoordinate Phosphorus Compounds&quot;</td>
<td>Prof. R.R. Holmes</td>
<td>Sperry Rand Corp.</td>
</tr>
<tr>
<td>Schleicher, Robert G.</td>
<td>&quot;Theoretical and Experimental Investigation of the Inductively Coupled Argon Plasma as a Spectrochemical Source&quot;</td>
<td>Prof. R.M. Barnes</td>
<td>Instrumentation Laboratory, Analytical Instrumental Div., Wilmington, MA.</td>
</tr>
<tr>
<td>Ti, Gen-Shing</td>
<td>&quot;New Base-Sensitive Amino-Protecting Groups&quot;</td>
<td>Prof. L.A. Carpino</td>
<td>Assistant Prof. (temporary) Dept. of Chem. Douglas College, Rutgers University, New Brunswick, N.J.</td>
</tr>
<tr>
<td>Creedon, Virginia M.</td>
<td>&quot;Reactions of Cations of 9,10-Dihydroanthracene Derivatives An apparently Aromalous Friedel-Crafts Reaction in 2,6-Dimethylphenyl Isopropyl Ether&quot;</td>
<td>Prof. B. Miller</td>
<td>Postdoctoral Fellow Univ. of Minnesota</td>
</tr>
<tr>
<td>Crumm, Christine A.</td>
<td>&quot;Metal Transport: Role of Naturally Occurring Organics in Aqueous Systems&quot;</td>
<td>Prof. O.T. Zajick</td>
<td>Exxon Corporation, Baton Rouge, LA.</td>
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<td>DeLaney, Michael F.</td>
<td>&quot;Studies in Analytical Chromatography: Applications of Computerized Instrumentation and the Investigations of the Chlorination of Humic Substances in Drinking Water&quot;</td>
<td>Prof. P.C. Uden</td>
<td>Assistant Professor, Dept. of Chemistry, Tufts University, Medford, MA</td>
</tr>
<tr>
<td>Gibian, David G.</td>
<td>&quot;The Analysis and Characterization of the Urethane Functional Group via Fusion Reaction Gas Chromatograph&quot;</td>
<td>Prof. S. Siggia</td>
<td>E.I. DuPont Co. Experimental Station, Biomedical Dept., Wilmington, DEL.</td>
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<tr>
<td>Robillard, Mark V.</td>
<td>&quot;The Effect of Variations of the Retorting Atmosphere on the Character of Shale Oil Pyrolytically Released From Green River Oil Shale&quot;</td>
<td>Prof. S. Siggia and P.C. Uden</td>
<td>Exxon Research &amp; Engineering Co., Linden, N.J.</td>
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<td>Janes, A. Blair</td>
<td>&quot;Kinetics and Reactions of 2,6-disubstituted-phenylphosphines with Benzyl Halides&quot;</td>
<td>Prof. W.E. McEwen</td>
<td>Schering Corp., Bloomfield, N.J.</td>
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<td>Morin, Charles P.</td>
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<td>Prof. J.L. Ragle</td>
<td>Ph.D. candidate, Dept. of Chemistry, U. Mass./Amherst</td>
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<td>Robillard, Mark V.</td>
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<td>General Foods, Tarrytown, N.Y.</td>
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<td>Mayo, Kevin H.</td>
<td></td>
<td></td>
<td>General Electric Co., Schenectady, N.Y.</td>
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<tr>
<td>Brown, Douglas S.</td>
<td>&quot;Synthesis, Physical Characterization, and Dielectric Relaxation Measurements of α-Amino Acid Copolymers Comprised of α-Benzyl-L-glutamate and L-Phenylalanine and Copolymers Comprised of L-Glutamate and L-Phenylalanino&quot;</td>
<td>C.P. Lillya</td>
<td>International Nickel</td>
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<tr>
<td>Genna, Jeanne Spero</td>
<td>&quot;The Concentration and Spectrochemical Determination of Trace Metals in Urine Utilizing a Poly(dithiocarbamate) Resin and an Inductively Coupled Plasma&quot;</td>
<td>Prof. R. Barnes</td>
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<td>Tetu, Therese P.</td>
<td>&quot;Applications of Open Tubular Columns to the Gas Chromatography of Volatile Metal Complexes&quot;</td>
<td></td>
<td>Tennessee Eastman Co., Kingsport, Tenn.</td>
</tr>
<tr>
<td>DeSoto Perera, Miguel A.</td>
<td>&quot;A Thin-Layer, Two-Electrode Biamperometric End-Point Detector for Coulometric Titrations&quot;</td>
<td>Prof. D.J. Curran</td>
<td>Dow Chemical, Indianapolis, IN.</td>
</tr>
<tr>
<td>Illingsworth, Marvin L.</td>
<td>&quot;Bis-Quadridentate Schiff-Base Monomers and Diquadridentate Schiff-Base Polymers Containing Eight-Coordinate Zirconium (IV)&quot;</td>
<td>Prof. R.D. Archer</td>
<td></td>
</tr>
<tr>
<td>Mayo, Kevin Henry W.</td>
<td>&quot;Allosteric Properties of Carp Hemoglobin and Mossbauer Spectroscopy of Human Hemoglobin&quot;</td>
<td>Prof. J.C.W. Chien</td>
<td>Humboldt Fellowship, Max Planck Institute fur Biochemie, Munich</td>
</tr>
<tr>
<td>Stengle, Diane Prez</td>
<td>&quot;Studies of Amorphous Orientation in High-Density Polyethylene by NMR, Infrared Dichroism, and Other Methods&quot;</td>
<td>Prof. R. Stein</td>
<td>Monsanto Chem. Co., Springfield, MA.</td>
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</tbody>
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During the spring semester of 1979, Professor John E. Roberts spent his sabbatical leave at the Boston Museum of Fine Arts continuing his recent interest in applications of chemistry to art and archaeology. The work varied from analysis of limestone from a VI dynasty Egyptian relief to a study of the fundamental chemistry of two of the ingredients found in the patina of ancient (and modern) bronze objects. This latter work is being continued at U. Mass. with the aid of a small Faculty Research Grant. With more fundamental data on the basic chemistry of these compounds there is the possibility of developing a new dating method and also of gaining an insight into environmental conditions under which the patina formed. The distinction between genuine and faked are objects is another possible application. During his stay at the Boston Museum, Dr. Roberts witnessed many other techniques being applied in this field including thermal dating, microscopy, x-ray diffraction and fluorescence, spectroscopy and especially the very delicate sampling methods which must be used on these priceless works of art. Dr. John E. Roberts continues his interest in archaeochemical, with a Ph.D. student currently studying the trace element composition of ancient Egyptian bones. This is a joint project with the Department of Anthropology. New projects in chemical archaeology are being formulated in cooperation with Historic Deerfield and the Boston Museum of Fine Arts. Thermal studies of fluorinated salts of the Group III elements are waiting the advent of 30 hour days. On the personal side, he has recently become privileged to wear the Shriners' Fez.

Professor Marian Stankovich attended the Electrochemistry Gordon Conference in Santa Barbara California in January 1980. A poster was presented on the "Spectroelectrical Cell for Study of Flavoenzymes". She also participated in the Electrochemical Society Meeting in Boston, May 1979. The paper presented was "Elechochemical Studies of the Enzymes Glucose Oxidase and Flavodoxin".

Professor Marion Rhodes was voted Best Speaker at the Polymethane associate meeting in Norfolk, Va., Spring 1979.

Professor John Ragle presented a paper to The III. International NQR Spectroscopy Symposium in Toulouse, France in September, 1979. The stay was marred by wildcat transportation strikes on French Local and National transit systems, as well as by the filth and squalor of this town, but redeemed by side visits to medieval sites in the neighborhood.

Professor Paul E. Cade spent the summer 1978 and January 1979 as a visiting scientist in Theoretical Physics Division, AERE, Harwell U.K. with the group of A.M. Stoneham initiating theoretical work on point defects in ionic crystals and particularly "molecular" point defects. He will spend summer 1980 as CNRS guest scientist at Centre de Recherches Nucleaires, CNRS Strasbourg doing work on positronium chemistry, i.e., Theoretical approach to poutron transfer processes in solution in conjunction with the experimental group of J-Ch. Abbe.

Professor R.S. Stein was a member of the organizing committee and delegation to the U.S. China Bi-lateral Symposium on Polymer Physics and Chemistry in October, 1979. He is also a member of the advisory committee to the Metallurgy and Materials Program, N.S.F. and a member of the Ad-Hoc committee of N.S.F. to prepare a report on the status of polymer science and engineering. He was also the author or co-author of 8 papers presented at the annual meeting of the Division of High Polymer Physics of the American Physics Society in New York, March 1980.
Professor Peter C. Uden:

Invited Lectures

Academic:
M.I.T.
Northeastern University
Tufts University
University of Missouri, Columbia
Trinity College

Professional:
Baton Rouge Instrument Discussion Group
Chicago Society for Applied Spectroscopy/
Chromatography Discussion Group.
Pittsburgh Society of Analytical Chemists.
Exxon Research and Development Corp. Lindon, N.J.
Tosco - The Oil Shale Corporation, Denver, Col.
General Motors Corp. Warren, Michigan.

Papers

Meetings:
Pittsburgh Conference (Cleveland)
American Chemical Society
March/April, 1979, Honolulu
New England Academic Analytical Chemistry Confer-
ence, April 1978, April 1979, Hadley, Mass
and Durham, New Hampshire respectively.
8th International Conference on Atomic Spectro-
Winter Conference on Plasma Analytical Spectro-
11th International Conference on Advances in
Chromatography, St. Louis, Missouri, Octo-
ber 1978.
6th Annual FACSS meeting, Philadelphia, Pa. Sep-
tember 1979.
5th Annual FACSS meeting, Boston, Mass, Novem-
ber 1978.

Important Research Developments

Expansion of joint program with Professor R.M. Barnes on the interfacing of Chroma-
tography with Plasma Emission Spectroscopy for Specific Element Detection. This now
involves three instrumental systems for gas chromatography and high pressure liquid
chromatography coupled with DC argon plasma and microwave plasma systems. Among cur-
rent applications are characterization of chlorination products of natural organics
in drinking water; analysis of the toxic trialkyl lead chlorides, analysis of metal
containing additives in oils and gasolines.

High resolution gas chromatography with open tubular glass and silica columns is
a major interest and is being applied to such areas as shale oil characterization, pol-
mer and flame retardant pyrolysis, metal chelate and organometallic analysis etc. Gas
chromatography - mass spectroscopy with a quadrupole mass spectrometer is developing
rapidly and liquid chromatographic - mass spectral interfacing is planned.
News of Graduates

Ray (H.H.) Farinato (Ph.D. '76) has been working for an agency of the Japanese government in Japan for the academic year 1979-80 on the mathematics of sedimentation transport on shorelines.

Edward Matjeja, who was a postdoctoral fellow in Prof. Miller's group in 1974-76, is co-author of "Introductory Problems in Spectroscopy", Benjamin/Cummings Publishing Co., 1980. Ed is now teaching at Boise State University.

Michael McLaughlin, who was an assistant professor at Indiana University, Southeast, has left the teaching ranks and is now working on environmental chemistry at the Mitre Corporation, near Washington D.C.

Dr. Frederick H. Walters has joined the faculty of the University of Southwestern Louisiana, Lafayette, La., as Assistant Professor of Chemistry (9/79).

Dr. David E. Henderson is Assistant Professor of Chemistry at Trinity College, Hartford, Ct.

Dr. Abbass Kamalizad is Assistant Professor of Chemistry at the University of Shiraz, Shiraz, Iran.

Dr. Paul J. Clark is now based in Princeton, New Jersey with the American Can Corporation.

Dr. Bruce C. Waldman is still with the Union Carbide Corporation, Tarrytown, N.Y.

Bruce D. Quimby is with the Hewlett Packard Corporation, Avondale, Pa. in Analytical Instrumentation Development.

Dr. David M. Parees is with Air Products and Chemicals Corp., Norristown Pa.

Dr. R.K. Brown (Ph.D. 1977) joined the faculty at University of Maine at Orono as Assistant Professor of Chemistry in September 1979.

Dr. Bill Batschlett, a post-doc with Professor Archer from 1977-1979, is now at Swarthmore College.

David Barnett received an M.S. in May, 1979. After a stint at the University of Connecticut Medical Center at Farmington, he joined Raybestos Manhattan in Stratford, Conn., where he is director of instrumentation.

George L. Minott (G.G.), after a stint with Owens-Corning in Ohio, in October 1979 joined the Nashua Corporation in Nashua, N.H., and is involved with the design of electrophotographic instruments.

Dr. Charles J. Thoman, S.J., Ph.D. 1966, (with Prof. Moyer Hemsberger) was named head of the department of chemistry, University of Scranton, Scranton, PA.

Dr. Donald F. Hunt, Ph.D. 1968, (with Prof. Lillya and Rausch) was promoted to professor, department of chemistry, University of Virginia, Charlottesville.
Mr. Thomas J. McCarthy, B.S. June 1978, received a National Science Foundation Graduate Fellowship supporting his graduate studies at a school of his choice. He is at The Massachusetts Institute of Technology working with Prof. George Whitesides.

George A. Pearse Jr. '52 and his wife, the former Janet Chaves '53, recently returned from Sweden where George spent a year at the University of Stockholm as a visiting research Professor of Chemistry. He published four papers as a result of his research. While in Europe, they traveled over 25,000 miles and visited 16 countries. They live in Liverpool, N.Y.

Lynne C. Mudarri '76, a chemist at UMass Medical Center in Worcester, where she lives, married Dana P. Rawdon recently.

Diane Cook Genetti, and her husband, Dr. Ralph Genitti '68, live in Copley, Ohio with their three children, Heather, 9, David, 4, and Laurel, 2. The couple belong to the Childbirth Education Assn., and are working to establish a homelike birth facility in their community.


John W. Lee Jr., an organic chemist at Polaroid Corp. in Cambridge, and Susan E. Bennett '73, a designer with the Greenhouse 2 and The Potting Bench, were married in October and live in Harvard, Mass.

Glenn L. Keldsen 'G, '77 Ph.D. has been reappointed to a second year as temporary Assistant Professor in the chemistry department at Kansas State University, Manhattan, Kansas. He has taught both freshman and organic chemistry there.

**G.C.A. Activities**

The Graduate Chemists Association has been active in maintaining esprit-de-corps among the troops. Its annual wine and cheese party in September to introduce new graduate students to the faculty and to the veterans was attended by circa 100. This was a very pleasant and informal affair and a delightful way to begin the academic year.

We also held our annual Christmas Party this year on December 7. It was held at the Yankee Pedlar Inn and was absolutely delightful. Cocktails were served upstairs in the Opera house which is a balconyed room that overlooks the private dining area and dance floor. The atmosphere was fairly elegant and intimate—with about 80 people for dinner. At one point Mrs. Chandler had half the people on there feet doing line dances—great fun!

Of course one of the most exciting and enjoyable activities was this summer's baseball season. Three of the divisions put together some formidable teams that actually lead to some tense moments. Being an analytical person, naturally I have this division's statistics on hand. We had a 13 game season with a .692 winning average. The winning coaches were: Ray Crowley, Lou Sarto, Greg Riska, Bill Joyce, Joel Miller and M.B. Merritt.

The fiercest competition seemed to be between Organic and Analytical. Unfortunately this coming season is going to see the loss of many of the best players in the league to a higher purpose in life—money!
Gifts to the University of Mass. Annual fund designated for the chemistry department have been received from C.W. Donovan, Jr. ('63), Robert G. Gastinger ('76), George L. Minott ('76), and Farris D. Levin ('76).

We have been asked, as part of a departmental status report and long range planning effort to provide detailed information on our graduates of the 1971-80 period. We would be especially grateful to student graduates of that period if you would fill out the short form and return it to:

Prof. John W. George
Department of Chemistry
University of Massachusetts
Amherst, MA 01003

In fact, we'd be happy to hear from all of you.

Thanks,

C. Peter Lillya
Professor and Acting Head

Please forward any material for the Gazette to the Department, c/o Gazette Editor. These Gazette items may be added to the bottom of the postage paid form on the next page.
SURVEY OF 1971-80 GRADUATES

NAME (OPTIONAL)

DEGREE (BA, PHD, etc.)      GRADUATION YEAR

FIRST POSITION (OR SCHOOL) AFTER LEAVING UMASS

CURRENT POSITION (OR SCHOOL)

STARTING SALARY WHEN YOU LEFT UMASS (OPTIONAL)

GAZETTE ITEMS:

Please fold and tape or staple this form before mailing.
Chemistry Department
Graduate Research Center – Tower A
University of Massachusetts
Amherst, MA 01003