DEPARTMENT OF CHEMISTRY

THE UNIVERSITY OF KANSAS LAWRENCE, KANSAS 66045

July 1, 1987 - June 30, 1988

OUTGOING CHAIRMAN'S REPORT

As an exciting year comes to a close, the big news is that Richard Givens will be moving into the Chairman's office July 1. Those of you who remember Rich as a dynamo of enthusiasm, a gold-mine of ideas and a teacher and scholar of the top rank will know that the chemistry faculty and university administration have selected the perfect person for the job! Your reporter here has been and will continue working with Rich during the summer months to make the transition a smooth one.

The Department continues to change in major ways. Bill Argersinger and Bert Reynolds have now retired to emeritus status after a total of 83 years of KU service. A gala but bittersweet retirement reception, held on May 18, is reported upon in detail later in this Newsletter. Retirements of chemistry teacher/scholars like Bill and Bert (who, incidentally, each spent many years in University and Departmental administration as well) leave holes which are not easily filled, and we will miss their active participation. They join a select rank of previous professors emeriti including Davidson, Griswold, Bricker and Kleinberg.

Although a search for a young physical chemist to replace Argersinger failed to turn up the person for which we were looking, the Department seized upon an exciting opportunity and is bringing on board Daryle H. Busch as Roy A. Roberts Distinguished Professor of Chemistry. Daryle, who comes to us from Ohio State University with a international reputation in inorganic chemistry, will surely be a magnificent addition to the Department and University in the years ahead. You can read more about Daryle in a later separate article.

As I finish my ninth Newsletter report, I should tell you that the State funded the first year of a three-year Margin of Excellence plan for Regent's institutions that promises, if continued, to remedy years of funding neglect. At the same time, the KU Endowment Association's fund-raising drive, Campaign Kansas, is officially off and running and is roughly halfway to its goal of $150,000,000. Your financial support of Chemistry is essential if we are to maintain our momentum in reaching the top ranks in the country. Please join in and respond to the appeal in the later article.

Thanks to all of you who have, by your kind words, your participation and assistance in numerous activities and functions, and your continuing support, made my eight-year stay a real pleasure. I know you will provide the same loyal support to my successor. Best wishes and keep in touch.

Marlin D. Harmony

THE INCOMING CHAIR'S COMMENTS

Richard Givens

This opportunity to serve the Chemistry Department in yet another capacity has made me aware of the tremendous achievements that Marlin and his associate chairs, Peter Hierl and Bert Reynolds, have accomplished over the past eight years. The Department has five new young members who are developing extensive and vigorous research programs and have a strong commitment to education. We also have added strength in the Analytical Division with our close association with Ted Kuwana and the CBAR group and more recently with the arrival of George Wilson. Inorganic Chemistry will benefit greatly this fall with the arrival of Daryle Busch. The Department is as vibrant and active now as it ever has been during my tenure. We continue to build up our graduate program. The number of incoming students has gradually increased over the past two years so that we now expect 21 new arrivals this fall.

Our Department's affiliation and collaboration with the other physical and biological sciences continues to flourish. The Centers for Bioanalytical and Biomedical Research, for example, involve a significant number of our faculty. The Neurochemistry program has brought members of our department together with those in biochemistry, biology and pharmacology. These collaborations continue an important part of the Chemistry Department's mission.

With these successes have come several challenges and we still have critical needs. New faculty have greater needs in obtaining modern instrumentation to make their research programs competitive. The research and support facilities of Malott are already over-extended. As we continue to increase the number of faculty, undergraduate, graduate and post-graduate students, their research activities will place an even greater strain on our inadequate space and facilities. Several of the physical science departments have a recurring need for a first-class lecture and teaching auditorium. Our own principal general chemistry and organic chemistry lectures are still given in Hoch Auditorium.

The bright side is the promise of some improvement in the State support of higher education as well as the Endowment Association's commitment through the Campaign Kansas Fund Drive, both greatly needed to assist the University and our Department's efforts toward excellence.

As I begin this responsibility, I am very optimistic about the future of the University and especially of the Chemistry Department. We've had a long tradition of strength, of collegiality, and of a constant effort toward improvement. I hope for that tradition to continue uninterrupted with the change in chairs.

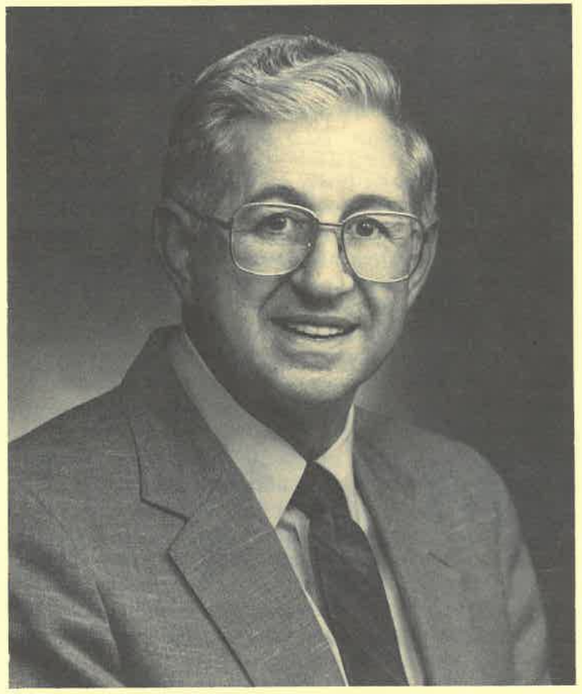
Richard S. Givens

DARYLE BUSCH JOINS THE FACULTY AS THE

ROY A. ROBERTS DISTINGUISHED PROFESSOR OF CHEMISTRY

This summer the Department continues its series of excellent faculty additions at both junior and senior levels with the appointment of Professor Daryle H. Busch as the Roy A. Roberts Distinguished Professor of Chemistry. Daryle is one of the world's most widely known and highly respected inorganic chemists, having founded the field of synthetic macrocyclic metal complexes. An eminent colleague in inorganic chemistry has described his contributions as "seminal and truly outstanding."

A native of Illinois, Daryle received his Ph.D. from the University of Illinois in 1954 and immediately joined the faculty of The Ohio State University in Columbus. The record of Daryle's career at Ohio State is one of excellence in every aspect of academic achievement, culminating in his appointment as Presidential Professor of Chemistry. His research achievements led to such honors as the American Chemical Society Awards in Inorganic Chemistry (1963) and for Distinguished Service in the Advancement of Inorganic Chemistry (1976), the Morley Medal of the Cleveland Section of the ACS (1975), the Bailar Medal of the University of Illinois (1978), the Dwyer Medal of the Chemical Society of New South Wales (1978) and a Guggenheim Fellowship (1981-82). As one of OSU's most outstanding teachers, he received the Alumni Teaching Award (1980) and was invited to deliver the Commencement Address for the winter quarter of 1982. Daryle has given generously to the chemical profession, including service as Chairman of the ACS Division of Inorganic Chemistry (1967) and as Chairman of the IUPAC Commission on Inorganic Nomenclature (1986-present). We believe Daryle's future achievements at KU will add to the high regard among inorganic chemists that the Department has historically enjoyed, and which Grover Everett, Kristin Mertes, Joe Heppert, Angelo Vedani and Fusao Takusagawa have been working hard to maintain.



Daryle Busch

RETIREMENT RECEPTION

Some 300 guests honored Professor and Mrs. William J. Argersinger, Jr., and Professor and Mrs. Charles A. Reynolds, Jr., at a Department-sponsored retirement reception from 4:00 to 6:00 p.m. on May 18, at the Adams Alumni Center.

Attending the reception were the Argersinger's son Bill III and his wife, and the Reynolds' children Marsha, Vickie, and John and their spouses, and Joe. Out-of-town guests were Bill's brother Jim from Austin, Texas, and former students Alan Syverud and his wife, and David M. Mohilner. Also in attendance were emeritus professors Arthur W. Davidson, Ernest Griswold, Jacob Kleinberg, and Clark E. Bricker.

At the close of a short program led by Marlin D. Harmony, Department Chairman, gifts of a bandsaw to Argersinger and of fishing gear to Reynolds were announced.

Professor Emeritus of Chemistry and Dean Emeritus of the Graduate School Argersinger turned seventy on April 14 this year. He earned an AB degree in Chemistry in 1938 from Cornell University where he was elected to Phi Beta Kappa. In 1942 he earned a Ph.D. in Chemistry from Cornell working with Frank A. Long and was elected to Sigma Xi. For two years he was Instructor of Chemistry at Cornell. From 1944-1946 he served on the Manhattan Project at the Monsanto Chemical Company in Dayton, Ohio, as an Associate Chemist and later a Group Leader. He and his family came to Lawrence in June 1946.

William Argersinger

Along with Jacob Kleinberg and Ernest Griswold, he wrote the book, Inorganic Chemistry, in 1960. He began his teaching with Chem 2E, the beginning course in chemistry designed for engineers. Since then he has taught Physical Chemistry and the most advanced courses at the graduate level in Physical Chemistry. His research interests have been in thermodynamics of aqueous solutions and ion exchange. His knowledge and deep understanding of chemistry, physics, and mathematics have always made him the person to seek when a troublesome scientific question arises.

In 1963 Argersinger became Associate Dean of the Graduate School and Director of the Office of Research Administration. In 1972 he became Vice-Chancellor for Research and Graduate Studies and Dean of the Graduate School and served in this capacity for 6 years.

In the wider university context, Argersinger has been president of the local chapter of Phi Beta Kappa, and of the local chapter of Sigma Xi. He was one of the first six members of the Faculty Executive Committee under a new governance structure of the University in the early 60's.

Beyond chemistry and universities he has shown a deep interest in history, and he is a craftsman of considerable skill. For years his poems have been highlights of many social gatherings and celebrations.

Professor Emeritus of Chemistry Reynolds turned sixty-five on April 1. He earned an A.B. in chemistry at Stanford in 1945 and was elected to Phi Beta Kappa. Two years later he finished a Ph.D. degree, also at Stanford, with L.B. Rogers and was elected to Sigma Xi.

Reynolds came to KU in the fall of 1947. From 1951 to 1953, he was Assistant Director of the Operations Research Group of the U.S. Army Chemical Corps, and from 1967 to 1969, Technical Director of Edgewood Arsenal. He served as Associate Chairman of the Department during the periods 1961-67 and 1980-87, as secretary of the local chapter of Phi Beta Kappa for several years, and as a member of the Athletic Board. He wrote the book, Principles of Analytical Chemistry in 1966. His teaching is legendary. Just this year the Torch Chapter of Mortar Board identified him as one of the Five Outstanding Educators.

Reynolds' teaching and research interests have been primarily in the area of analytical chemistry. He has taught introductory and advanced courses at the undergraduate and graduate levels in this field and has directed graduate research in organic functional group analysis, physico-chemical methods of analysis, and complex ion equilibria. Since the 70's, he has also played a major role in teaching beginning chemistry students in our 500-1000 student general chemistry courses.

Charles Reynolds with outgoing Chairman Marlin Harmony

Insisting that analytical chemistry was a necessary part of a Department of Chemistry, Reynolds was the early architect of the very strong Division of Analytical Chemistry that we have today. In the late 40's and early 50's he insisted on quality chemicals and instituted a modern storeroom system.

Reynolds has long demonstrated a deep interest in athletics and has been a story-teller of renown. He is well-known as the local expert on the streams, mountains, passes, backwoods and campgrounds of Colorado.

"FIFTH STAR RISING" LAUNCHES CAMPAIGN KANSAS

The stars were out at KU on the night of May 12, when The Kansas University Endowment Association officially announced CAMPAIGN KANSAS with a gala bearing the theme "Fifth Star Rising." Nearly 1,000 friends and alumni of the University attended the gala. Campaign officials announced a goal of $150 million. More than half, $76.43 million, has already been raised, including the largest gift in the University's history, $10 million for a performing arts center on the Lawrence campus. The gift was made by the Lied Foundation of Omaha, Neb.

"Fifth Star Rising" was chosen as the theme for the evening in reference to KU's rating in The New York Times Selective Guide to Colleges, which rates America's finest colleges and universities. The Guide assigns one to five stars to each school, indicating the educational quality of each institution. Five stars is the highest possible academic rating. According to this highly regarded source, the University of Kansas, with four stars, has a higher academic rating than any other school in the Big Eight.

Gifts already received through the Campaign were made to the University in the form of cash, stocks, securities, real estate, insurance, income trusts, and bequests. Many of these gifts honor or memorialize a loved one by creating an endowed fund in his or her name. In this way, the loved-one's name is established in perpetuity to benefit future generations of KU students.

Alumni and friends have made the Department of Chemistry what it is today. As you read about our achievements and plans for the future in this newsletter, please remember that additional gifts will help endow funds in support of student scholarships and fellowships, faculty development, visiting lectureships, and equipment. Campaign Kansas provides a wonderful time for you to share in building the future of the Department, so we hope that each of you will participate to the extent possible. Any contributions which you make to Chemistry will go into our unrestricted development account to be used in the areas of greatest need, unless you specify a particular area. Naturally, if you can make a substantial long-term or continuing commitment we will be more than happy to discuss with you your particular interests. To all our regular annual contributors, we send not only our heartfelt thanks, but also our request to consider an increased commitment during this campaign. And to those of you who have not yet gotten into the annual giving habit, we suggest that you make this the year to begin.

33rd ANNUAL AWARDS BANQUET

The annual Departmental Honors luncheon was held in the Kansas Room of the Kansas Union on April 30, 1988, with Alfred J. Lata once again serving as toastmaster. Following the presentation of the awards listed below, Kenneth L. Marsi (Ph.D. 1955), Professor of Chemistry at California State University, Long Beach, spoke to the audience of possible causes for, and consequences of, the national trend of declining college enrollments in science courses in general and chemistry courses in particular.

General Chemistry: One-semester course (A $40 book certificate)

Inki Kim

General Chemistry: Two-semester course (A $40 book certificate)

Mitchell T. Allen Douglas M. Lindholm Elizabeth A. McSwegin
Carol E. Rasor Thomas R. Walker

Organic Chemistry: One-semester course (A $40 book certificate)

Pamela L. Tuma

Organic Chemistry: Two-semester course (A copy of the Merck Index)

Sarah E. Baptist Thomas W. Burgoyne
David L. Gish Duane M. Stillions

Analytical Chemistry: (A $45 book certificate)

Robert A. Wood, Jr. Subramanian Paranjothi

Physical Chemistry: (A $50 book certificate)

Michael C. Leeson David P. Heitmeyer

The Owen W. Maloney Scholarship: To outstanding first-year students in Chemistry ($1000 scholarship and brass jayhawk)

Sherri L. Alderman Kenon S. Qamar

The Clark A. Bricker Award: To an outstanding second-year chemistry major ($500 and plaque)

Michael D. Kaufman

The Jacob Kleinberg Award: For outstanding research by a junior ($500 and pen set)

David P. Heitmeyer

Special Award for Outstanding Achievement in Chemistry to Graduating Seniors Pursuing a Career in Medicine: (Certificate)

Morris B. Chang Kurt A. Ick Brian R. Turley

American Institute of Chemists Award: (A certificate and subscription to AIC Journal and membership)

Kurt A. Ick

Alpha Chi Sigma Award: To outstanding graduating seniors in chemistry and chemical engineering (Inscription of name on plaque)

Sarah L. Goodwin Kristen A. Womeldorph

The H.P. Cady Award: To an outstanding first-year graduate student ($200 and plaque)

Yi Qin

Outstanding First-Year Teaching Assistant ($200 and brass jayhawk)

Michael L. Milligan

The Ray Q. Brewster Award: To an outstanding graduate teaching assistant ($300 and jayhawk plaque)

Andrew C. Lottes

Phillips/McCollum Summer Research Fellowships: To outstanding advanced graduate students ($1800 summer fellowship)

Steven A. Soper Beth Thomas-Miller Javier Seravalli-Sancho

Higuchi Doctoral Progress Award ($750 and plaque)

Jeffrey T. Needels

Graduate School Awardees

Andrew C. Lottes (Graduate School Summer Fellowship)
Mark A. Williamson (Graduate School Summer Fellowship)

DEGREES CONFERRED

The University of Kansas held its 116th Annual Commencement May 15, 1988, and twenty-one degrees in Chemistry were awarded. Twelve of these were B.A. degrees, eight were B.S. degrees, and one was a Ph.D. degree.

Two of our undergraduate majors graduated with "Highest Distinction": Pamela May Croyle and Kurt A. Ick. Another four majors graduated with "Distinction": Morris Bosang Chang, Sarah Lee Goodwin, Mohsen Sahafeyan, and Brian Raynior Turley. Sarah Goodwin and Kurt Ick also received Departmental Honors.

Sally Meyer (B.A., Rockhurst College, 1982) received a Ph.D. degree in Physical Chemistry. Her dissertation was entitled, "Transition State Calculations of the Effects of Isotopic Substitution and Temperature on Rates of Reaction."

GRANTS TO THE DEPARTMENT

Research grant support during the past year by federal agencies (NSF, NIH, DOD, DOE) reached a new high of approximately $1.5 M, while foundation and corporate support from ACS-PRF, Research Corporation, American Heart, Scottish Rite, G.D. Searle, American Qualex and Alyx Medical added nearly $0.2 M. Funds from the University General Research Fund and other small grants amounted to an additional $50,000. Chemistry faculty participation in the Center for Bioanalytical Research shared in additional funding from the State and Oread Labs of over $200,000 and generous support for computing, valued at about $300,000, was again provided to Chemistry faculty by the College.

Friends, alumni and corporate sponsors provided unrestricted funding to our Endowment accounts in the amount of nearly $25,000, and income from departmental endowments exceeded $75,000. These funds continue to play an increasingly important role in funding graduate student fellowships, new faculty instrumentation packages, seminar programs and a host of additional items. Without this generous continuing and past endowment, we could not begin to stay afloat, nor could we do our job nearly as well. Unfortunately the demands grow annually and thus we must continue to seek and encourage additional assistance.

NEWS OF STAFF AND FACULTY

K. Barbara Schowen was listed in the 1987 Senior Survey as among 80 college faculty considered as "The finest teacher from whom I took courses" by ten or more students. Barbara was also inducted with 7 others into the KU Women's Hall of Fame.

Marlin D. Harmony has been appointed to the Editorial Board of a new journal, Journal of Structural Chemistry.

Richard S. Givens was named the 1986-87 recipient of the Byron T. Schutz Award for Distinguished Teaching. This award was established in 1978 by KU alumnus Byron T. Schutz, Kansas City realtor, banker and investment advisor, to recognize distinguished teaching at the University of Kansas.

Shih-I Chu has been named a fellow of The American Physical Society for his theoretical work with atoms and molecules. APS Fellows are nominated and elected by current fellows in the society's international membership, based upon distinction in their field. Chu's citation reads: "For the development of innovative theoretical methods of remarkable power for describing the response of atoms and molecules to intense perturbing fields."

Paul W. Gilles, who recently finished eight years as Secretary of the IUPAC Commission on High Temperature and Solid State Chemistry, has been elected to a four year term on the IUPAC Inorganic Chemistry Division Committee. Paul also served on the Steering Committee for the NAS-NRC Workshop on Chemical Processes and Products in Severe Reactor Accidents, which was held at Captiva Island, Florida, December 9-12, 1987.

DEATHS

Alvin S. McCoy (B.A. 1925) died this year in Montrose, Colorado, at the age of 84. Mr. McCoy, after graduating Phi Beta Kappa from KU in 1925 with a degree in chemistry, worked as a reporter for the Kansas City Star for 37 years. He received the Pulitzer Prize in 1954 for excellence in local reporting. In 1962, he was awarded a Distinguished Service Citation by KU and the KU Alumni Association for his long record of service to KU.

David M. Mohilner (Ph.D. 1961), retired Colorado State University chemistry professor, died June 2, 1988, of injuries suffered in an automobile accident.

Calvin A. VanderWerf, former faculty member and Chair of the Chemistry Department at KU, died July 18, 1988, following cardiac arrest. He was 71.

Professor VanderWerf was a noted and accomplished science educator, researcher, lecturer, writer and humanitarian. He will be remembered by many former students and colleagues for his warmth and friendliness. He began his professional career at KU after receiving a doctoral degree from Ohio State University in 1941. He served at KU for 22 years and was department chairman from 1961 to 1963. He was a also a member of the Athletic Board and was chairman of the board during the stadium expansion drive.

While at KU, Dr. VanderWerf published more than 100 scientific articles and was the author or co-author of five chemistry texts. He performed ground-breaking research in areas of acids and bases and was awarded an unrestricted grant from the Petroleum Research Foundation for use in imaginative basic research. He also carried on active research in medicinals, organophosphorus compounds and nitrogen compounds of petroleum.

Throughout his life, he continued to support and work for humanitarian causes, including taking an active role in the civil rights movement in Kansas.

He left KU to become president of Hope College in Holland, Mich., from 1963 to 1970. He left there to become dean of the College of Arts and Sciences at the University of Florida in Gainesville, where he served until his death.

NEWS OF ALUMNI

James C. Beeler (B.A. 1979), who received an M.D. degree from KU in 1983, is a Neuroradiology Fellow at Barrow Neurological Institute in Phoenix, Arizona.

Rajiv J. Berry will take up a postdoctoral position with Biosyn Technologies, Inc. in San Diego upon completion of his postdoctoral work this summer with Professor Harmony.

Sharon Blakeley (B.S. 1984) earned an M.D. from KU this May and will intern in internal medicine in San Diego.

Dale L. Boger (B.S. 1975), Associate Professor of Chemistry at Purdue University, was one of the recipients of the American Chemical Society's Arthur C. Cope Awards for 1988.

Celeste Broyles (Ph.D. 1985) is now working for United Biochemical, Inc. in New York City, a new biotech firm which makes diagnostic kits, etc.

Michelle (Vaughn) Buchanan (B.S. 1973), currently at Oak Ridge National Laboratory, is the editor of the recent ACS Symposium Series publication on Fourier Transform Mass Spectrometry.

Ann Cartwright, formerly Sherry Johnson, (Ph.D. 1972), Chairperson of the Chemistry Department at San Jacinto College, Pasadena, Texas, climbed Mt. Kenya in Africa with her husband and others over the Christmas holidays.

R. Lynn Cobb (Ph.D. 1955), who took early retirement from his position as a Research Associate at Phillips Petroleum Company after 31 years of R&D work with the Bartlesville, Oklahoma, company, has recently taken a position as a Research Scientist in the Process R&D group of Union Carbide's silicone facility in Sistersville, West Virginia.

Kay A. Campbell Colapret (B.S. 1979), who received her Ph.D. under the supervision of Dr. H.O. House at Georgia Tech, recently married Dr. John A. Colapret and is working as a Research Investigator for Squibb in New Brunswick, New Jersey.

Craig Cowles (Ph.D. 1971) has been granted tenure and promoted to the rank of Associate Professor of Management Science at Bridgewater State College in Bridgewater, Massachusetts.

Joseph F. Deck (Ph.D. 1932), Professor Emeritus of Chemistry at Santa Clara University, received an honorary D.Sc. degree from the California school where he had taught for fifty years and had served as chairman of the Chemistry Department from 1936-1971.

Jimmie G. Edwards (former postdoc with Professor Gilles) was recently named Distinguished University Professor at the University of Toledo.

Wolfgang Falter (Fulbright Scholar with Professor Engler, 1985-86) completed his Ph.D. degree with the Lehrstuhl und Institute fur Technische Chemie und Petrolchemie der Rhein Westf. Tech. Hochschule, Aachen, West Germany. In April, he took up a position with Henkel KGaA.

Richard Ferm (Ph.D. 1948) took early retirement from Chevron Research Company in 1983 after 28 years with the company. Since then he has kept busy consulting and serving as Vice President for Research at the International Foundation for Earth Construction in Lafayette, California. IFEC is a non-profit organization devoted to improving earthen housing (adobe) in developing countries by soil stabilization techniques.

Donald W. Genson (Ph.D. 1972), currently senior manager, investor relations, has been appointed business director, solid waste management solutions for the Plastics Group, Dow Chemical Company, Midland, Michigan.

John Gish (Ph.D. 1984), who is employed by Mobay Chemical Co., is spending the next three years with his family in Krefield, West Germany, where he will serve as Production Superintendent of two chemical production units of the parent Baeyer Company.

Judson E. Goodrich (B.A. 1947, M.A. 1948) retired in 1985 as a Senior Research Associate after 34 years with Chevron Research Company, Richmond, California, and moved in 1986 from San Raphael to Santa Rosa in the Sonoma Valley wine country.

Sarah Goodwin (B.S.-Honors, 1988) has begun working for ChemSyn, Inc., a subsidiary of W.R. Grace.

Dama Gopal (Ph.D. 1986) has joined Merck Co. in Rahway, New Jersey, after completing postdoctoral work with George Wilson at the University of Arizona.

Janette Nehus Gould (M.S. 1972) received an M.B.A. in Executive Management from the Claremont Graduate School, Claremont, California in January. She is presently employed as Engineering Manager by Aerojet Electrosystems of Azusa, California.

Rafaelita Gueco (M.S. 1984) began work at Syntax in California in December.

Loren G. Hepler (B.S. 1950), Professor of Chemistry and Chemical Engineering at the University of Alberta in Edmonton, Canada, was recently appointed Honorary Professor at the Academia Sinica, Beijing, Peoples Republic of China, and will be going there this fall.

Dick Horn (Ph.D. 1973) continues to work for du Pont but is moving from upstate New York to du Pont's Wilmington, Delaware, plant.

Gregory E. Jochems (B.A. 1977, M.D. 1981) is entering private practice as a pediatrician in Wichita, Kansas, after three years in the U.S. Public Health Service.

Andre Kemula (Ph.D. 1967) and his family are back in Paris. Andre has been reassigned from the Ivory Coast to the Mobil International Office in Paris.

Jean Lee (Ph.D. 1981) and her husband became the proud parents of a baby girl in November.

Gerhard Lind (former lecturer) has been appointed to the position of Associate Professor of Chemistry at the University of Colorado-Denver.

Charles Martin (B.S. 1973) was promoted to Associate Scientist at Dow Chemical Company in Lake Jackson, Texas.

Ronald Mathis (Ph.D. 1965) has a new position as Manager of the Plastics Technical Center for Phillips Petroleum Company in Bartlesville, Oklahoma. His son Kyle is majoring in Chemical Engineering at KU.

Magdalena Mejillano (M.S. 1984) completed a Ph.D. in biochemistry this May at KU. She will continue working at KU in the Biochemistry Department as a postdoctoral student.

Sally Meyer (Ph.D. 1987) has accepted a tenure-track position at Colorado College in Colorado Springs, Colorado. Sally and husband Mark Morgenstern (M.S. 1986) are both doing research at Oak Ridge National Laboratory in Tennessee this summer.

Douglas Neckers (Ph.D. 1963) has been named as Bowling Green State University's first Distinguished Research Professor.

Jerry W. Nieft (M.S. 1970, Ph.D. 1972), Appointee Minister of the RLDS Church, has had his responsibilities changed from Bishop's Agent of the North Central Region to missionary assigned to Iowa and Wisconsin.

Ivan C. Nordin (Ph.D. 1960) retired from Parke Davis--Warner Lambert Research Company in 1986. After teaching at Hope College in Holland, Michigan for the 1986-87 academic year, he has started a new business, SKOGEN Propagation Supply, whose first product, CLONPOT, is a device for cloning plants from cuttings.

John Nuss (B.S. 1980) will begin as an Assistant Professor at the University of California-Riverside this fall. John received his Ph.D. under the direction of Prof. H.E. Zimmerman at the University of Wisconsin in 1986 and has been doing postdoctoral work with Professor P. Wender at Stanford University.

Robert Olsen (postdoc with Professor Givens, 1978-81), Professor of Chemistry at Wabash College in Crawfordsville, Indiana, will become Chairman of the Chemistry Department at Wabash this fall.

Shari Powers (B.A. 1983) received an M.S. in Biochemistry at UCLA in 1986 and is employed as a Research Technician at INGENE in Santa Monica, California.

Mehdi Paborji (Ph.D. 1985) is working as a Research Scientist in the Pharmaceutical Research and Development Division of Bristol-Meyers Company in Syracuse, New York.

Jiajiu Shaw (Ph.D. 1984) recently moved to Summit, New Jersey, to begin work with CIBA-GEIGY, where he will be in charge of a group of five researchers.

Albert E. Taylor (B.A. 1930, M.A. 1934), Professor Emeritus of Chemistry and Dean Emeritus of the Graduate School at Idaho State University, where he had taught chemistry for 43 years before retiring in 1973, received the Professional Achievement Award from ISU's College of Arts and Science in 1986.

Paul C. Trulove (B.S. 1983), U.S. Air Force First Lieutenant and Chief of the Chemistry and Materials Research Section of the Air Force Astronautics Laboratory, Edwards AFB, California, is completing an M.S. degree in chemistry from California State University, Northridge.

L. Venham (former postdoc of Professor Givens) is working for Mobay Chemical Company in New Martinsville, West Virginia.

Greg Voth (B.S. 1981) received a Ph.D. in chemistry in 1987 from the California Institute of Technology, which awarded him the Milton and Francis Clauser Doctoral Prize for the most original thesis. Greg has also been awarded an IBM Postdoctoral Fellowship for postgraduate studies at the University of California-Berkeley.

Jie-You Xue (former research associate with Professor Givens) has returned to his faculty position at Naukai University in Tianjin, Peoples Republic of China.

LECTURE SERIES AND OUTSIDE SPEAKERS

Alfred Barth, Martin Luther University, "Oligopeptides as Potential Bioactive Agents: A Review of Selected Sequences."

Elizabeth Bates, University of California - Santa Barbara, "Human Language Ability: An Innate Gift."

Adolph Beyerlein, Clemson University, "Field Theoretic Methods Applied to Electrolytes and Polyelectrolytes."

Rathindra Bose, Pittsburg State University, "Role of Phosphate in the Nucleotide Binding to Cis-platin."

Rathindra N. Bose, Pittsburg State University, "Multinuclear NMR Studies on Platinum(II) Nucleotide Complexes."

John Bleeke, Washington University, "Recent Developments in Transition Metal Pentadianide Chemistry."

Brian B. Brady, University of Chicago, "The Spectroscopy of Pyrimidine Bases."

Susan Bragg, McDonnel Douglas Research Laboratories, "Laser Spectroscopy."

Marvin A. Brooks, Merck, Sharp and Dohme, "Analytical Chemistry in the Pharmaceutical Industry."

Daryle H. Busch, Ohio State University, "Synthetic Dioxygen Carriers for Dioxygen Transport."

Kenneth L. Busch, Indiana University, "Thin-Layer Chromatography Combined With Mass Spectrometry: A New Analytical Approach."

John R. Cable, University of Chicago, "Electronic Spectroscopy of Small Tryptophan Peptides in Supersonic Molecular Beams."

Mei-Chen Chuang, IBM Almaden Research Center, "The Photofragmentation Dynamics of Formaldehyde: Thermochemical Data, Intramolecular Dynamics and Vector Correlations."

Joyce Corey, University of Missouri-St. Louis, "Silicon Analogs of Psychotropic Drugs: Syntheses and Structural Features."

Therese Cotton, University of Nebraska, "Surface Enhanced Raman Studies of Monolayers."

Debbie C. Crans, Colorado State University, "The Aqueous Chemistry and Biochemistry of Vanadate."

Jagabandhu Das, Squibb Institute for Medical Research, "Synthesis of 1-Aminoalkyl-1,3,4,5-Tetrahydro-4-Methoxyphenyl-2H-1-Benzazepin-2-Ones."

Dana D. Dlott, University of Illinoiis, "Ultrafast Studies of Solid-State Photochemistry."

Matthew Doyle, Proctor & Gamble Company, "Analytical Approaches Towards Understanding Gastroprotection."

Hans Dutler, ETH Zurich, Switzerland, "Mechanism of Protease Reactions: Kinetic, Structural, and Stereoelectronic Considerations as Guidelines to Deduce Reaction Paths."

Hendrik Emons, Karl-Marx Universitat, "Surfactant Phenomena at Electrodes."

John Enemark, University of Arizona, "Probing and Modeling Molybdenum Centers in Enzymes."

Fritz Franzen, Iowa State University, "Crystallographic Studies of Structure of Refractory Solids."

Robert L. Fry, Kansas State University, "Analytical Spectroscopy at Kansas State University."

Richard D. Gandour, Louisiana State University, "Molecular Recognition in Carntine Acyltransferases."

Greg Girolami, University of Illinois - Urbana, "Early Transition Metal Alkyls and Related Species as Catalytic Models and Ceramic Precursors."

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