

CHEM / LETTER

FROM THE OFFICE

Commencement exercises have just marked the passing of another year, leaving us all a little older and hopefully a little wiser. Faculty, staff and students extend greetings and best wishes to each of you and hope the year has treated you well. '73-74 saw the department serve a record number of students, averaging over five thousand student-course-registrations each quarter. Needless to say this has placed heavy demands on all, though we are pleased to see continued student interest in departmental offerings. Scott Chilton (Operations), David Eggers (Graduate Matters) and Darrell Woodman (Undergraduate Matters) will offer major faculty assistance in administration of departmental affairs during the coming year, and, of course, none of us could get anything done without the help of our loyal hardworking staff. This seems to be the

era when planning reports are in vogue and we are busy this summer reexamining goals, achievements and needs for the future.

Vic has provided a summary of current faculty interests and a partial list of activities. We are proud of the many invitations they receive in recognition of their contributions; it seems that almost as many are in Europe this summer as remain in Seattle. Our alumni records are improving thanks to your cooperation and Vic's fine work. We enjoy hearing from you and sharing your news with your contemporaries in particular and the departmental family in general.

Norman Gregory, Chairman

EDITOR'S MESSAGE

We are still here! Last year's Chem/Letter went out to about 1000, including former post-doctoral people. The latter responded in several cases including warm messages from Rajendar Dev from Punjab Univ., Chandigarh-14, India, and Edward J. McAlduff, St. Francis Xavier Univ., Antigonish, Nova Scotia. Thank you.

We are continuing the postage paid reply for those in the U.S. to encourage news from you. One or two asked about contributions. To repeat, in part from the 1971 Letter, contributions are tax deductible. Checks to support the Letter or for specific purposes may be made out to the Department of Chemistry, University of Washington. Also,

to quote from last year's Letter checks may be enclosed in the reply sheet by using tape on three sides. May we remind those of you in industry that many companies match contributions.

We are repeating the request to help locate alums whose addresses we do not have. The response resulted in locating half of those listed last year.

Again we wish to thank the many who sent personal messages to the faculty and staff.

V. Sivertz

WE REGRET TO REPORT THE PASSING OF . . .

Dr. Frank A. Hartman, Ph.D., 1914, died in Columbus, Ohio in 1971, but word did not reach us until this year. His was the first Ph.D. granted by the University of Washington and in 1964, on the fiftieth anniversary of that event, he was invited to participate in ceremonies here. To quote from the memorial resolution submitted by the Department of Physiology at Ohio State University "he was a scientist's scientist, a dedicated investigator and an outstanding individual. He served as a model and inspiration for many students, colleagues and friends."

Samuel G. Baker, B.S., '25, died in Baltimore July 10, 1974. He had been general manager of DuPont's electro-chemicals, photoproducts and organic chemicals departments. His generous gifts to the Departments of Chemistry and Chemical Engineering included the establishment of the Tartar Fund and grants to each group for several years.

Norman G. Johnson, B.S., M.S., '24, '26, died in late 1973. He was with the DuPont company for 41 years, mostly in explosive work.

Capt. (USN, Ret.) John A. Quense, Ph.D., '40, died in Seattle in May.

Marilyn Rabinovitch, wife of Prof. Rabinovitch, passed away in January 1974.

FACULTY NOTES

Space does not permit a summary of the research interests of each faculty member. Instead there is indicated the main area or a single important field of research. For greater detail, those of you in academic positions can refer to the Departmental bulletin "Graduate Study and Research in Chemistry" sent to each chairman or anyone may request one on the reply sheet. The ACS Directory of Graduate Research is also a convenient source.

N. H. Andersen, Assoc. Prof., Org., prostaglandin structure-activity correlations.

A. G. Anderson, Prof., Org., heterocyclics.

W. T. Borden, Assoc. Prof., Org., physical organic.

W. S. Chilton, Assoc. Prof., Org., natural products. He will spend three weeks at the Univ. of Heidelberg in July.

G. D. Christian, Prof., Anal., electroanalytical. Invited speaker and session chairman at the 4th Inter. Conference on Atomic Spectroscopy, Toronto, Oct. '73, and invited speaker at symposium on "Electrochemical Techniques in Bioanalytical Chemistry," Chicago ACS meeting Aug. '73. Member of board of editors of Journal of Canadian Spectroscopy.

A. L. Crittenden, Assoc. Prof., Anal., interdisciplinary research with the Civil Engineering Air and Water Resources Div.

E. R. Davidson, Prof., Phys., quantum mechanical calculations. Granted a Guggenheim Fellowship—on leave at Battelle Inst., Columbus, Ohio, 1974-'75.

D. F. Eggers, Prof., Phys., IR and Raman spectra. Was on sabbatical leave at MIT, autumn quarter 1973.

B. E. Eichinger, Asst. Prof., Phys., macromolecules; invited speaker at a symposium on macromolecules at the IUPAC meeting in Prague, Aug. '74.

N. D. Epiotis, Asst. Prof., Org., physical organic. Attended a meeting in France in April. June 15 to July 31 studying at Bologna, Italy. During August in Athens.

A. W. Fairhall, Prof., Nuclear, carbon dating, geochemistry.

M. Gouterman, Prof., Phys., electronic spectra and structures of porphyrins. He will spend one week at Inst. fur Anorg. Chem., Aachen, W. Germany and one week in Paris in July.

N. W. Gregory, Chairman and Prof., Phys., thermodynamic properties of inorganic substances.

G. D. Halsey, Prof., Phys., adsorption of rare gases on surfaces.

B. R. Kowalski, Asst. Prof., Anal., application of pattern recognition and artificial intelligence to the computer analysis of chemical data. Member of the Exec. Comm. of a new ACS division, "Computers in Chemistry" and will chair the division's first symposium, "Computers in Experimental Chem." at the Atlantic City meeting.

A. L. Kwiram, Assoc. Prof., Phys., ESR, ENDOR, and NQR applied to molecular structures.

E. C. Lingafelter, Prof., Phys., X-ray structures of coordination compounds. President of the Amer. Crystallographic Assoc.

J. W. Macklin, Asst. Prof., Inorg., structures from spectroscopic evidence.

C. B. Meyer, Assoc. Prof., Inorg., sulfur chemistry, matrix and molecular spectroscopy.

J. G. Norman, Asst. Prof., Inorg., synthesis and structures of metal complexes.

Y. Pocker, Prof., Org., physical organic. During July he will spend ten days at four universities in Israel, followed by two weeks at universities in Istanbul and Amsterdam.

B. S. Rabinovitch, Prof., Phys., kinetics. In September he will be visiting lecturer at Reading Univ. and later will visit universities at Southampton, Wales, Oxford, Leeds and Essex.

D. M. Ritter, Prof., Inorg., boron and silicon chemistry.

N. J. Rose, Promoted to Prof., '74, Inorg., coordination compounds.

V. Schomaker, Prof., Phys., crystallography, methods of structural determination.

W. M. Schubert, Prof., Org., mechanism of organic reactions.

J. M. Schurr, Assoc. Prof., Phys., macromolecules. On leave 1973-'74 for study in Zurich.

L. J. Slutsky, Prof., Phys., solid state; in August will give lectures at Univ. of Manchester and later travel in Britain.

G. H. Stout, Prof., Org., structures by X-ray. On leave 1974-'75.

R. Vandenbosch, Prof., Nuclear, nuclear fission. Will participate in International Meeting on Nuclear Physics at Heidelberg in October.

B. Weinstein, Promoted to Prof., '74, Org., synthesis and structures of peptides and proteins. On leave Apr., '74-Aug., '74, Oxford Univ.; meeting in Israel in May and visit to German universities in July.

D. J. Woodman, Assoc. Prof., Org., heterocyclics.

WHERE THEY ARE AND WHAT THEY ARE ARE DOING

The Early Decades

This year's University of Washington Alumnus Summa Laude Dignatus is Iomogen Cunningham of San Francisco. Ms. Cunningham, who is 91, graduated from the University of Washington in 1907 with a degree in chemistry. While chemistry may have helped in her very successful career in photography, she did not work directly in that field.

This year's 50 year ACS members include Melville Perkins, Ph.D., 1924, of Wilmington, Del., and Roger W. Truesdail, Ph.D., 1926. Dr. Truesdail recently retired as president to become chairman of the board of Truesdail Laboratories, Los Angeles.

John Shellenberger, B.S., '28 (Ph.D., Minnesota) is a consultant for the U.S. Dept. of Agriculture Grain Marketing Research Center. On leave last autumn, he was in Argentina for three months on a U.N. assignment; 1715 Fairview, Manhattan KS, 66502.

The Forties

Donald E. Davenport, B.S. and M.S., '42 and '44 (Ph.D., MIT, '48), is Vice President and technical director of Trans-Technology Corp., a division of Space Ordnance Systems Inc., in Sunnyvale, Cal. Home address 3810 Grove Ave., Palo Alto, CA.

Albert W. Hawkins, Ph.D., '42, retired from the DuPont Co. in 1972; 1109 Muhlenberg Ave., Swarthmore, PA, 19081.

Fred W. Knapman, M.S., '40, retired from Western Washington State College. His first five year plan includes travel in Europe, Mexico and elsewhere; continued contact with WWSC, and relaxation at his home.

Ernest Wenkert, B.S. and M.S., '45 and '47 (Ph.D., Harvard, '51), is E.D. Butcher Prof. of Chemistry, Rice University, Houston TX, 77001.

The Fifties

Robert K. Barnes, Ph.D., '55, is Associate Director, Agricultural Chemicals, in the Research & Development Department of Union Carbide. South Charleston WV, 25303.

Harley H. Bovee, Ph.D., '59, now with Food & Drug Adm., CA 400; 5600 Fisher's Lane, Rockville, MD 20852.

Harold G. Booker, M.S., '55, Research Engineer, the Boeing Co., but presently attending law school at the Univ. of Puget Sound. Harold is greatly involved in community projects.

Charles L. Chaney, B.S., '57, is president of Spectra/IR, PO Box 22204, San Diego, CA 92122.

Glenn A. Crosby, Ph.D., '54, is on sabbatical leave from Wash. State Univ., from Feb. to Aug. at the Univ. of Canterbury, Christchurch, New Zealand; also listed in "Outstanding Educators in America," 1973.

Robert E. Davis, Ph.D., '50, is manager of Nuclear Manufacturing Engineering, Aerojet Manuf. Co., Fullerton, CA 92631.

T. Felder Dorn, Ph.D., '58, is Associate Dean of Arts and Sciences, Kean College of New Jersey, Union, NJ 07083.

John Douglas, Ph.D., '52, is chairman of chemistry at Eastern Wash. State College.

Filon Gadecki, Ph.D., '58, is now at Textile Fibers Dept., DuPont, Camden, SC 29020.

Richard F. Gordon, B.A., '57, Capt. U.S.N. (Ret.) and former U.S. Astronaut, was chairman of the U. of W. Annual Fund for 1973-'74.

Donald W. Hamilton, B.S., '58 (Ph.D., Oregon, '65), is lecturer in chemistry, Univ. of Natal, Durban, So. Africa, 4001.

James C.M. Li, Ph.D., '53, was appointed Hopeman Prof. of Engineering at the Univ. of Rochester. In 1972 he was awarded the Champion H. Mathewson Gold Medal for "outstanding contributions both in the thermodynamics of stressed solids and in the theory of dislocations in solids." In 1973 he gave a Distinguished Lecture Series at the Univ. of New Mexico.

Eugene Skiens, Ph.D., '57, is Senior Research Scientist at Battelle Pacific Northwest Labs., Battelle Blvd., Richland WA, 99352.

Lynn H. Slaugh, Ph.D., '56, has completed a two year "Exchange Scientist" assignment at Shell's Amsterdam laboratory.

William A. Young, B.S., '49; M.S., '53, is Manager of Analytical Development & Testing Lab. of General Electric's Fuel Process Technology Section, 175 Curtner Av., San Jose, CA 95125.

The Sixties

Robert D. Breazeale, Ph.D., '64, is research supervisor for DuPont's Flexible Packaging in Philadelphia. Wife, Almut (Frerichs), is patent liaison chemist in Wilmington. Home address: 1306 Newcomb Road, Green Acres, Wilmington, DE 19803.

Robert W. Buddemeier, Ph.D., '69, is now in the Dept. of Oceanography, Univ. of Hawaii, Honolulu, HI 96822.

Shih-Yung Chang, Ph.D., '69, Dept. of Environmental Consulting, EBASCO Services, Inc., 21 W. St., New York, NY 10006.

Roger V. Chastain, Ph.D., '65, was commissioned as captain in the U.S. Army Med. Service Corps in March 1974 and is on the staff of the new Letterman Army Institute Research facility as Chief, Dept. of Information Sciences, Presidio of San Francisco, CA 94129.

John S. Coates, B.S., '60, is in the Plastics Dept., DuPont Co., Experimental Station, Wilmington, DE 19898.

Darryl Des Marteau, Ph.D., '66, was reported in C and E News (June 17, 1974) as making the first compound with a xenon-nitrogen bond. Fluoroxenonimidobis (sulfuryl fluoride) was synthesized by him and a graduate student at Kansas State Univ., Manhattan, KS 66502.

Dorsey Dickerson, Ph.D., '67, now Laboratory Head at Eastman Kodak; B-82, Kodak Park, Rochester, NY 14650. "Difficult to find time for personal research—that I enjoy most."

Carol M. Hildebrand, B.S., '68, working for Ph.D. in Environmental Education at Colorado Univ.; 4364 Carter Trail, Boulder, CO 80302.

John R. Johnson, B.S., '67 (Ph.D., Brown Univ., '73), now P.D. at UCLA, Dept. of Chem.

Richard A. Kletsch, B.S., M.S., '61, '63, teaching chemistry at Centralia College, Centralia, WA 98531.

Wesley E. Lingren, Ph.D., '62, is Director of General Honors Program and Chairman of Chemistry at Seattle Pacific College.

Max Lustig, Ph.D., '62, is Res. Chemist at Illinois Inst. of Tech., Chemistry Div., 10 W. 35 St., Chicago, IL 60616.

G. D. McGinnis, M.S., '68 (Ph.D., Univ. of Montana, '71), is Asst. Prof., Mississippi State Univ., State College, MS 39762.

Merrill Nissen, B.S., '60, 3931 Arlington, Kansas City, MO 64133.

Paul Nutkowitz, Ph.D., '67, is Environmental Analyst, Tri-State Regional Planning Commission, 100 Church St., New York, NY 10007.

Kent Pullen, Ph.D., '67, was elected to the Washington State House of Representatives in 1972; employed at the Boeing Co.

Juey H. Rai, Ph.D., '69, Principal Research Scientist, Honeywell Res. Center, 10701 Lyndale Ave., Bloomington, MN 55420.

M. R. (Mike) Rifi, Ph.D., '64, promoted to Development Scientist, Union Carbide Co., Bound Brook, NJ 08805.

Bonnie Jean (Bosco) Schien, Ph.D., '67, left Seattle Pacific College. Now a full time homemaker and mother of a 16 month old son.

Kenneth D. Stevens, Ph.D., '66, is assistant professor of Art at the Univ. of Puget Sound, Tacoma; teaching mainly ceramics.

Dan Storm, M.S., '67 (Ph.D., Berkeley, '71), teaching, Dept. of Biochem., Univ. of Illinois, Urbana, IL 61801.

David Storm, B.S., '62 (Ph.D., Iowa State, '67), is at Calif. Dept. of Health. Home address, 735 Colusa, El Cerrito, CA 94530.

Michael Wiley, Ph.D., '69, promoted to Assoc. Prof. at Calif. Lutheran College, Thousand Oaks, CA 91360.

Byron Wilson, Ph.D., '61, Brigham Young Univ., is Chairman of the Central Utah Section of ACS for 1974.

David A. Young, B.S., '66 (Ph.D., UCLA, '71), is at Tennessee Eastman Co., Kingsport, TN 37662.

The Seventies

David R. Boston, Ph.D., '70, is at the Research Center, the 3M Co., St. Paul, MN 55101.

K. T. Chao, Ph.D., '74, Dept. of Chemistry, Tsing-Hua Univ., Kuang Fu Road, Hsinchu, Taiwan.

William W. Gill, Ph.D., '72, 365 New Park Ave., Hartford, CT 06106.

T. H. Koy Hseu, Ph.D., '72, Dept. of Molecular Biology, Tsing-Hua Univ., Kuang Fu Road, Hsinchu, Taiwan. Working on the structure of cobra toxin.

Gamal Khalil, M.S., '73, working for Ph.D. at Florida State Univ., Tallahassee, FL 32306.

Richard Kirchner, Ph.D., '72, is spending this summer at U. of W. in Dr. Lingafelter's X-Ray group. He teaches at Manhattan College, New York.

Joseph F. Myers, Ph.D., '72, is at the Research Center, the 3M Co., St. Paul, MN 55101.

Joseph J. Pluth, Ph.D., '72, is at Dept. of Chem., Univ. of Chicago. He has responsibilities for crystallographic facilities and computer programming.

Mitchell Poling and Sandra Smith, both Ph.D., '72, were married recently in Davis, Cal. where she will be in third year Med. Sch. and he will be a P.D. in Chemistry, U. of Cal., Davis, CA 95616.

Allen Rolfs, B.S., '73, is at Medical School at U. of W.

George Tsou, Ph.D., '72, is with the state air resources board in Los Angeles. Address: 1348 Kellam Ave., Los Angeles, CA 90026.

C. Norman Turrill, M.S., '71, is a computer analyst at the Computer Facility, Univ. of Nebraska at Omaha, Omaha, NE 68132.

Richard Wimpers, B.A., '72, is with Brown Int. Corp. (manufacturers of food equipment), 633 N. Barrance, Covine, CA 91722.

Twelve people earned Ph.D. degrees during academic 1973-'74:

Hsien-Hsin Chang, P.D. at Cornell Univ., Ithaca, NY 14850.

Stephen T. Elbert, P.D. at Lehrschule fur theoretische Chemie, Univ. of Bonn, W. Germany.

Edmond Green, P.D., Dept. of Biophysics, Weizmann Inst. of Science, Rehovot, Israel.

Louise K. Hanson, at NIH, Bldg. 2, Room B1-14 A, NIAMDD, Bethesda, MD 20014.

Lucinda W. Hickernell, 12 McKinley Ave., Lodi, NJ 07644.

Robert C. Ireton, P.D., Kinetics Branch, Naval Weapons Center, China Lake, CA 93555.

Susan D. Jackels, P.D., Dept. of Biochemistry, U. of W.

Joan S.Y. Ng, P.D., Dept. of Biochemistry, Univ. of Pennsylvania, Philadelphia, PA 19104.

Arthur E. Pritchard, P.D., Dept. of Chem., Univ. of Cal., Berkeley, CA 94720.

Phyllis A. Russo, P.D., Dept. of Chem., Univ. of Cal., Berkeley.

Stephen E. Stein, P.D., Dept. of Thermochemistry & Chemical Kinetics, Stanford Res. Inst., Menlo Park, CA 94025.

Victor A. Williams, Dept. of Chem., U. of W., but travelling after July.

Six Master's Degrees were granted in 1973-'74.

John L. Erickson, Dept. of Chemistry, U. of W.

Kenneth J. Franco, 13235 2nd Ave. N.W., Seattle 98177.

Terry J. Hanson, ARHCO, Federal Bldg., Richland, WA 99352.

William B. Ingalls, 1923 E. Calhoun, Seattle 98112.

Phyllis C. Leithem, 9315 Luhr Road, Olympia, WA 98506.

Michael P. Webb, Dept. of Chemistry, U. of W.

Lacking names of all Bachelor's Degree recipients, the summary is as follows:

B.S., 35, including John Gray, Summa Cum Laude; Kenneth Allison, Jay Dunlap, James Kaufman, Magna Cum Laude; Denise Kraft, Cum Laude.

B.A., 19, including Sandra Shinkosky, Magna Cum Laude; Dennis McCain, Glen Stuhling, Cum Laude.

B.A., Education, 1.

CAN YOU HELP LOCATE THESE ALUMS?

The approximate date of degree and the last known general locality is given after each name.

John D. Alexander, B.S., Seattle.

Gary W. Allen, B.S., 1960's, UCLA.

John P. Bell, B.S., 1960's, U. of Wis.

Wayne T. Crawford, B.S., 1961.

Domenick Bertelli, Ph.D., '62.

Harold G. M. Houlton, Ph.D., '37, retired, Florida.

Karl B. Kellogg, Ph.D., '53, Louisiana.

Richard A. Kluge, M.S., 1960's, Gen. Elec., N.Y.

Edward L. Johnson, B.S., 1960's, Ph.D., W.S.U.

David G. Korzan, M.S., 1960's, U. of Colo.

Robert B. Medz, Ph.D., '64, Rockville, MD.

Toshi Moriguchi, B.S., 1960's, U. of Colo.

Siu-Hing Ngan, M.S., '70, Seattle.

Allan G. Osborne, Ph.D., '55, Calif.

Harold F. Plank, B.S., 1940's, Calif.

James D. Power, B.S., 1960's, U. of Wis.

Thomas J. Pratt, Ph.D., '65, W.S.U.

Sutton Redfern, B.S., 1930's, N.Y.

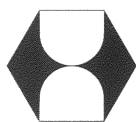
David F. Rhoades, Ph.D., '69, Zool., U.W.

Donald W. Rice, Ph.D., '68, IBM Co.

Denis Skeie, B.S., 1950's, Chevron Res.

Luther H. Smithson, M.S., 1960's, Chevron Res.

James N. Strode, B.S., 1950's, Ph.D., W.S.U.



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