



CHEM / LETTER

FROM THE CHAIRMAN

Last year Professor Fairhall assumed the responsibilities of this office and we are all grateful for the outstanding job he did. Now he is in England on a National Science Foundation Senior Fellowship, the Chairman Search Committee is still working, and we have another acting chairman. I look forward (it says here) to a busy year, undoubtedly busier than any of the past 37 which I have had the pleasure of spending in this department. My greatest pleasure is this opportunity to send my very best regards and greetings to the hundreds of friends whom I have among you. As I hope that this year will be a good year here, I sincerely hope that this year will be the "best ever" for each of you. You may be assured that we shall at least

still be here and, as always, very much interested in hearing from all of you.

Probably the biggest news is the renovation of Bagley Hall. In March of this year work began on a multi-year poly-dollar renovation program. Each phase will involve all floors (except the fourth) in one quadrant of the building. At present the northwest quarter and the four large lecture rooms in the central block of the building are closed off and we are meeting classes all over the campus, looking forward to the day when we shall settle back into a normal existence in our "new" building.

E. C. Lingafelter

EDITOR'S MESSAGE

There was an old saying: When a doctor makes a mistake, he buries it; when a judge makes a mistake, it becomes law; when a plumber makes a mistake, he charges double; but when the editor makes a mistake, —oh my! However, you were kind about our dating last year's issue 1974, and we were gently reminded about associating one of our alums with the wrong company.

We felt thanks were due those who had contributed to the Tartar Fund or to Chem/Letter. One contributor's reaction was, "I didn't know so few had contributed so little," accompanied by a check. We can still use donations.

Thank you for your replies with the news and messages. Messages and many news items are passed on to the appropriate staff members.

WHERE THEY ARE . . . WHAT THEY ARE DOING

The Twenties and Thirties

Joseph Bouknight, Ph.D., '37; now retired, appointed distinguished professor emeritus at University of South Carolina.

Carl Z. Draves, Sr., B.S., '17; Ph.D., '25, is one of our oldest living Ph.D's. He was first with Du Pont for 6 years; then 8 years as chief chemist for Ludlow Mfg. & Sales;

next, chemist and technical writer for Gen. Dyestuff Corp. (later Gen. Aniline and Film) until retirement in 1959. After retirement, he was instructor at Brooklyn Coll., six years; lecturer, Nassau Comm. Coll., one year; assoc. prof., Queensborough Comm. Coll., 4 years. At Gen. Aniline, he had many patents and initiated numerous procedures in the textile and dye industry.

Daniel Hayden, B.S., 1930's (M.D., later), Chief of Staff of the new Federal Way Medical Center of Group Health Coop., of Puget Sound.

Carl A. Hedreen, B.S. and M.S. in 1920's, a 50 year member of A.C.S. Now living in Seattle.

George Hitchings, B.S., '27; M.S., '28 (Ph.D., Harvard '33) honored on his 70th birthday by a symposium titled, "Design and Achievements in Chemotherapy," at the Burroughs-Wellcome Res. Center, Res. Triangle Park, N.C., 27709, where he was V.P. of research until 1975. Eleven fellow scientists presented papers in fields of his research, published in a booklet.

Bertram Thomas, Ph.D., '33, formerly president, Battelle Inst., has new address in Santa Barbara, CA.: 300 Hot Springs Road, Apt. 236, 93108.

The Forties

Donald H. Andersen, Ph.D., '43, Eastman Kodak Co., named to the advisory board of the "Journal of Analytical Chemistry" for a 3-year term.

Ronald Henry, Ph.D., '42, now Senior Res. Scientist at the Naval Weapons Center, China Lake, CA., 93555, Code 60505.

Arnold Nielsen, Ph.D., '47, now Head, Organic Chemistry Branch, also at China Lake, Code 6605656.

The Fifties

Theodore Beck, Ph.D., '52, Pres. Electrochemical Technology Corp., 3935 Leary Way, N.W., Seattle, WA 98107, started by him a year ago for research development and consulting in electrochemistry and corrosion. Also president Electrochemical Society, 1975-76.

Glenn Crosby, Ph.D., '55, and wife Jane, B.S. about '55 (Ph.D. elsewhere) reported, at N.W. Regional A.C.S. Meeting in June, on a six-year study of freshmen planning to study chemistry. They found serious lack of preparation in mathematics and science. Details reported in C and E News, June 21, 1976, p. 8. Study was made at Washington State Univ., Pullman, where they teach.

Philip Cruickshank, B.S., '50 (Ph.D., MIT) was incorrectly reported in the last Chem/L at Cyanamid, but is at F.M.C. Corp., Princeton, N.J., 08540.

Kenneth Harmon, Ph.D., '59, Oakland University, Rochester, MI. 48063, received an \$11,000 ACS-PRF grant to study hydrogen-bonded cluster anions.

Sidney M. Leahy, Ph.D., '57, now Gen. Manager, Traffic Control Materials, 3M Center Bldg., 209-1W; St. Paul, MN 55101.

Bruce Raby, B.S., '52 (Ph.D., Iowa State, '63), now administrative Manager of Res. and Application for Uthe Technology International, Sunnyvale, CA 94086.

Frank Weisenborn, Ph.D., '50, Dir. Org. Chem., Dept., Squibb Inst. for Med. Res., POB 4000, Princeton, N.J., 08540. Elected Ch'm of the Gordon Conference on the Chem. of Natural Products for 1976.

The Sixties

Akhtar Ali, Ph.D., Exeter University, England, '69; Post Doc. here, '69-'71. Now Senior Res. Chemist, Schwarz-Mann, Division of Becton, Dickinson, and Co., Mountain View Ave., Orangeburg, N. Y. 10962.

Rudolph Deen, P.D. Fellow, '61-'62. Now Res. Chemist, Netherlands Organization for Applied Res., Schoemakerstraet 97, Delft; working first in Organic and, since 1969, in Analytical Chemistry.

Fred Dorer, Ph.D., '65, has left Cal. State Univ., Fullerton, to be Chairman of Chemistry at San Francisco State Univ. (94132). There, he will join Dave Dreyer, Jim Keeffe, and Ed Motell, Ph.D.'s from here. In 1974-75, he was on leave as Assoc. Prog. Dir. for Chemical Dynamics at N.S.F., Washington, D.C.

Darryl DesMarteau, Ph.D., '67, received a \$36,000 ACS-PRF grant for xenon chemistry—new compounds of xenon bonded to carbon, nitrogen, and oxygen. Kansas State Univ., Manhattan, KS 66502.

Mary Morrison Exner and Jurgen Exner, Ph.D.'s '68, report Jurgen is at Hydrosience Environmental Systems, wholly-owned Dow subsidiary, 941 Executive Drive, Knoxville, TN 37919. Mary was in Midland at time of their writing.

Robert Frey, M.S., '67, one of many who have left chemistry, is a certified financial planner at KMS Financial Services, 616 Washington Bldg., Tacoma, WA 98402.

Gary Hollander, Ph.D., '68, now Senior Assoc. Editor for Organic Chem., Chem. Abstracts Service, Columbus, OH 43210. He has started a freelance literature search and technical translation service for German and Romance Languages.

David Korzan, M.S., '67, teaching at Oregon Technical Inst., Klamath Falls, OR 97601.

Tom Maricich, B.S., '61 (Ph.D., Yale, '65) left N. Dakota State for Calif. State Univ., Long Beach, CA 90840.

John Meany, Ph.D., '67, made full professor, Central Wash. State College, Ellensburg.

Robert Medz, Ph.D., '64, 1709-Woodman Ave., Silver Spring, MD 20902.

Wesley Nigh, Ph.D., '65, is visiting scholar this summer with Professor Pocker; from University of Puget Sound.

Dagmar Rais Cronn, B.S., M.S., '69, '72 (Ph.D. in Atmospheric Chem., Civil Eng., U.W., '75). Now a Res. Chemist in Air Resources, Chem. Eng., Wash. State Univ., Pullman 99163.

Bruce Ronald, Ph.D., '69, is visiting scholar this summer with Professor Pocker; from Idaho State Univ., Pocatello, ID.

David Ross, Ph.D., '64, in charge of large ERDA sponsored program at Stanford Res. Inst. on the chemistry of coal liquifaction, Menlo Park, CA 94025.

Dwight Tardy, Ph.D., '67, on leave from U. of Iowa this past year with Chem. Kinetics Branch, Naval Weapons Center, China Lake, CA.

Stanley Williamson, Ph.D., '61, U. of Calif., Santa Cruz, Dean of Graduate Div., 1970-75; sabbatical 1975-76 (winter quarter, visiting professor U.C.L.A.). Now returned to regular teaching and research.

H. William Wilson, Ph.D., '61, visiting scientist for 2 months at the National Center for Atmospheric Research (NCAR), Boulder, Colorado, Infrared Interferometric Studies of Tropospheric and Stratospheric Telluric Lines in the Solar Spectrum ($600-4000\text{ cm}^{-1}$). Taught second half summer at U. of W. Now at W. Wash. State College.

The Seventies

Michael Anderson, B.S., '75, research chemist with Olympic Stain, 1148 Leary Way, N.W., Seattle.

William Bilnoski and Scot Merrick, B.S. degrees in chemistry and biology, '75, both at U.W. Medical School.

Frank Boyko, B.A., Educ., '75, teaching at White River School, Buckley, WA 98321, Box G.

Alan Craig, Ph.D., '74, now at Polymer Division, Du Pont Co., Wilmington, DE 19898.

H. H. Chang, Ph.D., '71, now with Quaker Oats Co., Illinois.

Edward Hardwidge, Ph.D., '72, now with Upjohn Co., Kalamazoo, MI 49001.

Daniel Jensen, Ph.D., '71, promoted to Group Leader at General Atomics.

Jung-Bu Kang, M.S., '70 (Ph.D., Idaho, '74). Now Senior Chemistry, A.D.D., Korea; C.P.O. Box 3080, Seoul, Korea.

Masanori Kato, Ph.D., '74, at Imp. Chem. Ind. (Japan), Ltd., C.P.O. Box 411, Tokyo, Japan.

William Laughlin, Ph.D., '74, left Stanford Res. Inst. to join Upjohn Co., Kalamazoo, MI 49001 (7832-41-2).

Lance Matheson, B.S., '74, Officer, 319th Field Artillery, Ft. Bragg, N.C., 28307.

Napoleon Melar, B.S., '73, Colonia El Palmar, Pasaje Mexico No. 14, Santa Ana, El Salvador, CA.

George Montgomery, B.S., '73, Chemist Water Service Corp., 1910-21st Ave. S., Seattle 98144.

Alain Morelle, Ph.D., '71, now in Cairo, Egypt.

David Olsen, B.S., '75, in graduate school at Colorado State University, Ft. Collins, CO 80521.

Arthur Pritchard, Ph.D., '73, at Lab of Enzymology, Rosewell Park Memorial Inst., Buffalo, N.Y.

Robert Rhodes, B.S., '75, in graduate school at Oregon State Univ., Corvallis, OR 97330.

Kenneth Schmitz, Ph.D., '72, now at Dept. of Chem., Univ. of Missouri at Kansas City, MO 64110.

Kenneth Spitzer, Ph.D., '72, Acting Ass't Prof. of Chemistry, Washington State Univ., Pullman 99163.

Robert White, P.D., '71, Dept. of Chemistry, Univ. of Idaho, Moscow, ID, 83843.

WE REGRET TO REPORT THE PASSING OF:

Marie Akers, formerly head of accounting and purchasing, died about a year after her retirement.

Harry Christoffers, B.S., M.S., '41, and '43, died in October, 1974.

Imogen Cunningham, B.S., '06, died in June of a heart attack in San Francisco at age 93. In 1974, she received the U. of W. Alumnus Summa Laude Dignatus for her work in photography.

Maud Rice, Ph.D., '32, died in 1975.

Vernon Stiles, B.S., M.S., in 1940's, killed in a fall on Mt. St. Helens in February, 1976.

Harold Schmike, Ph.D., '35, died at Forest Grove, OR., May, 1975.

GRADUATE AND UNDERGRADUATE DEGREES

Doctoral Degrees

David Bjorkquist, 251 Parkway Ave., Cincinnati, OH 45216 (1975).

David Ellsworth, Dept. of Chem., U. of W. (1976).

David Hinman, Ph.D., Yale University, 86 Pearl St., New Haven, CT 06511 (1975).

Nancy Howe, 5620-168th S.W., Lynnwood, WA 98036 (1975).

Yi-Chia Huang, Union Carbide Co., S. Charleston, W.V. 25303 (1975).

Charles Jackels, Battelle Memorial Institute, 505 King Ave., Columbus, OH 43201.

David Kohler, Chevron Research, 576 Standard Ave., Richmond, CA 94802 (1976).

Anand Kumar, Technicon Instrument Corp., Tarrytown, N.Y. 10591 (1975).

Wen Young Lee, 110 Roundtable Drive, Bldg. 25-3, San Jose, CA 95111.

David Reichgott, Dept. of Chem., Univ. of Illinois, Urbana, IL 61801 (1976).

Larilyn Stenkamp, 91 Kaye View Drive, Hamden, CT 06514 (1975).

Lawrence Thomas, Dept. of Pharmacology, Univ. of Washington (1975).

Stuart Wakeham, Swiss Federal Inst. for Water Resources and Water Pollution Control, Duendorf-CH 8600 (CEAWAY), Switzerland.

Masters Degrees

Carla Dempsey, P. O. Box 38, York Beach, MA 03910.

David Edelman, 2136 N. 87th, Seattle 98103.

Mary Ann Flandera, IBM, San Jose, CA 95114.

Dennis Gmur, 2421 N.E. 54th, Seattle 98105.

Lucy Hsieh, c/o Tai-Shan Fang, 2718 S. Hoover, Los Angeles, CA 90007.

Christine Kirmaier, 432 N. 103rd, Seattle 98133.

Eliot Leiberman.

David Lo, Dept. of Environmental Health Res. Bldg., Rm. 317R, 800 N.E. 13th, Oklahoma City, OK 73190.

Richard Martin, 4301-34th W., Seattle 98199.

Sheck-Hung Ng, Dept. of Chem., U. of W.

Keith Powers, Dept. of Econ., U. of W.

John Swanson, Dept. of Chem., U. of W.

Godfrey Vaz, 124 W. 104th St., Chicago, IL 60628.

Jean Fang Wang, 4038-15th N.E., Seattle 98195.

Undergraduate Degrees

Again, the Bachelor Degree group had an outstanding record. Space does not permit listing all, but there were 47 B.S. and 29 B.S. degrees, including:

Summa Cum Laude

Daniel Loyd Flugstad B.S. June 1976—U. of W. School of Medicine.

Magna Cum Laude

James Arrigoni B.S. June 1976—Creighton University Med. School.

Connie Lee David B.S. June 1976—U. of W. School of Medicine.

David Alan Klopfenstein B.S. June 1976—U. of W. School of Medicine.

Gerald Peter McManama B.S. August 1975—Johns Hopkins School of Medicine.

Janice Irene McOmber B.S. June 1976—Northwestern University, mole. biol.

Peter Charles Nalos B.S. June 1976.

Douglas Nittra B.A. June 1976.

John Ross Pehrson B.S. June 1976.

Frank Stephen Virant B.S. June 1976—St. Louis Medical School.

Kyle Etsuo Yasuda B.S. December 1975.

Cum Laude

Joel David Alldredge B.S. June 1976.

Steven Robert Bush B.S. March 1976.

Rich Edward Harrison B.A. June 1976—U. of W. School of Medicine.

Stuart Robert Ketcham B.S. August 1975.

Ray Harry Krueger B.S. June 1976—U. of W. School of Medicine.

Susan Marie Wall B.S. June 1976—St. Louis Medical School.

Kerry Watrin B.S. June 1976.

James Russel Wolfe B.S. March 1976.

Name _____ Degree(s) at U of W _____ Year(s) _____

Home Address _____

Other Degree(s) _____ Institution(s) _____ Year(s) _____

Position _____ Organization _____

Business Address _____

News Notes:

News of Other Graduates:

Date _____ Signed _____

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FACULTY NOTES

N.H. Andersen, promoted to professor. As part of a Career Development Award, a full-salary 5-year grant, he spent winter quarter in Europe, largely in Zurich working with Prof. D. Arigoni (ETH-Zurich) on problems in sesquiterpene biogenesis. Consultations and visiting lectures brought him to Roussel-Uclaf (Romainville), Geneva, Grenoble, Givaudan (Dubendorf), Strasbourg, and the CNRS (Paris). The trips to and from Europe included stops for symposium lectures in Jamaica (VIth Natural Products Symposium) and Buffalo (Prostaglandins: Synthesis, Structure and Properties).

A.G. Anderson was an invited lecturer at the Univ. of Victoria, B.C.; chairman, 1976 Pauling Award Committee.

W.T. Borden, physical organic, awarded a Sloan Fellowship for 1975-76.

G.H. Cady, emeritus, presented papers in Mexico City in Dec., and the A.C.S. meeting in New York in April; will present two papers at the 8th Inter. Symposium on Fluorine Chem. in Kyoto, in Aug. The Jan. issue of Fluorine Chem. was dedicated to him on the occasion of his 70th birthday with many papers written by former students.

G.D. Christian (see Mexico City below).

A.L. Crittenden (see Mexico City below).

W.S. Chilton is Chairman-elect of the Puget Sound Section of A.C.S.

N.D. Epiotis, physical organic, granted a Sloan Fellowship for 1975-76.

A.W. Fairhall, after one year as Acting Chairman, in July left for London to spend 5 months at the Monitoring and Assessment Research Center investigating the ways that man can attempt to reconstruct past environments, before the advent of the Industrial Revolution. He returns to teaching and research Winter Quarter, 1977.

B.R. Kowalski presented invited papers at several meetings, universities, and laboratories; on the Advisory Board of the Journal of Chem. Information and Computer Science.

A.L. Kwiram (see Mexico City below).

E.C. Lingafelter is Acting Chairman of the department for the coming year.

C.B. Meyer chaired a symposium on inorganic sulfur chemistry at the A.C.S. meeting in New York, April 1976.

J.G. Norman gave an invited paper at the Symposium on Homogeneous Catalysis at the N.W. Regional ACS Meeting at Reno in June; invited participant, Gordon Conference on Inorg. Chem., New Hampton, New Hampshire, Aug. 1976.

Y. Pocker was chairman of the Pauling Award Symposium, Jan. 1976; an invited lecturer at Portland State Univ.; delivered 10 lectures on "The Molecular Basis of Chemical and Biochemical Catalysis," as Bicentennial Lecturer, Montana State Univ., June 28-July 2, 1976 as part of "The Bicentennial Lecture Series in Chemistry."

B.S. Rabinovitch is the editor, Annual Reviews of Phys. Chem. 1975; a symposium speaker at A.C.S. meeting in New York in April. In late Aug., he will visit universities in England and Europe and in Sept. will be a plenary lecturer at the Symposium on Energy Disposal in Reactions, at Konigstein, Germany.

V. Schomaker spoke on "Linus Pauling as a Scientist" at the Division of Chem. Educ. Symposium "Giants of Education," A.C.S. meeting in New York in April. From June 15-Aug. 15, working with K. Hedberg, Ore. State Univ., on electron diffraction.

J. M. Schurr invited to present a Symposium lecture, "Relaxation of Rotational and Internal Modes of Macromolecules Determined by Dynamic Light-Scattering," at the 5th Inter. Biophysics Congress, Copenhagen, August.

L. J. Slutsky spent the year on leave at M.I.T.

G. H. Stout has resigned from the faculty.

R. Vandebosch is serving on a Nat. Acad. of Sciences panel on the Future of Nuclear Science.

MEXICO CITY MEETING

In December, 1975, the First Chemical Congress of the North American Continent was held in Mexico. Papers were presented by several faculty members and by alums.

G. H. Cady dealt with the determination of fluorine. G. D. Christian (with R. D. Kadeg) gave a paper on Gas Chromatography of Gr. IV-VI hydrides. A. L. Crittenden (with R. L. Knights) talked on Air Pollution. A. L. Kwiram presented three papers on spectroscopic studies of porphyrins, tryptophan, tyrosine, and pyridine derivatives (with W. R. Leenstra, K. W. Rousslang, and A. G. Motten). Herman Ammon, Ph.D., '64, and colleagues reported on his work in organic chemistry. George Gerhold, Ph.D., '64, gave two papers on computer-assisted instruction. Frank Karasz, Ph.D., '58 and colleagues reported on studies with macromolecules. Ted Wydeven, Ph.D., '64 and John Hollahan, Ph.D., '64, also reported on macromolecule studies.

CAN YOU LOCATE THESE ALUMS?

The last known general locality is given after each name.

Meridthe Applebury, B.S., 1960's; Bell Tel., Murray Hill, N.J.

Donald Ballard, Ph.D., '36 (M.D. later), Camarillo, CA.

Anthony Barone, Ph.D., '70, Seattle.

Gene Baxter, B.X., 1940's, Pacific Resins, Seattle.

Alexandre Berlin, Ph.D., '61, Netherlands.

James Billigmeier, M.S., 1960's, Rancho Cordova, CA.

Juanita Brown, B.S., 1960's, M.I.T.

Helen Greef, Ph.D., '52, Randolph, VT.

Bernard Malofsky, Ph.D., '65, Wilmington, DE.

Kurt Nelson, Ph.D., '53, Greensboro, NC.

Kent Oakes, Ph.D., '72, Wisconsin.

Allan Osborne, Ph.D., '55, California.

Eugene Rosa, Ph.D., '65, Emeryville, CA.

Narendra Roy, Ph.D., '71, India.

Gordon R. Shuck, Ph.D., '48, Montana.

Silvestre Tejada, Ph.D., '64, Rockville, MD.

Louis Torre, Ph.D., '71.



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