



CHEM / LETTER

FROM THE CHAIRMAN

Since the Chairman Search Committee did not come up with an appointee, it has been necessary to find someone to carry on in the interim, and that task has fallen to me. As one of my colleagues remarked, "if there is anything worse than being appointed department chairman it's being appointed chairman for one year." Although the University budget was increased over the previous biennium, inflation and operating costs are such that there is less money available than last biennium, and one of my first tasks as chairman will be to make cuts in our operating budget to bring it into line with allocated funds. Although I haven't yet gone out to buy a tin cup for begging

on street corners, perhaps I might suggest that for those of you who have been contemplating making a donation to the Alumni Fund the department has a fund we call the Tartar Fund. We use these monies mainly for summer support of graduate students, and many of you will have been beneficiaries in the past. Any help you can give us in these critical times will be very much appreciated.

May your careers prosper!

A. W. Fairhall
Acting Chairman

EDITOR'S MESSAGE

Thank you for the 200 or so replies to the last Letter with messages to the faculty and news. We depend on these news items for much of the news about you. Do not assume that we must have heard about some happening. For example, there is reported in this issue the death of one of

our alums two years after his passing. The news item was prefaced "I suppose you knew . . ." Many letters are written to follow up returned Chem/Letters. We appreciate your cooperation and any support you can give.

GOLDEN THANKS

We salute and thank the following who, over four years, have contributed about \$800. This pays for about one issue at present costs.

Doyle and Edith Abbott*, Elmer Augustin*, Sam Baker, Jerry Berkelhammer*, Joe Bouknight, Harley Bovee, Dick Bozak, Jack Breazeale*, Bruce Brown, Siu Chan, Gene Collias, Frank Conrad*, Ken Daughterty, Roy De Selms, Dorsey Dickerson, Tom Dorn, Clarence Dunn, John Freeman, Lynn Hoard, John Hollahan, Lewis Honnen, Bob Hurl-

bert, Clinton Kelley, Alberto Lelong, Ken Loach*, Max Lustig*, Sid Maerov, William Mapes, Robert Marriott, Dick Mullineaux, Dick and Marilyn Parker, Al Pekman, John Powell, Dallas Rabenstein*, Juey Rai, Dave Ross, Steve Rothenberg, Klaus Saegebarth, Allen Scott, Waldo and Marjorie Semon*, Don Setser, Irving Shain, Mary Simeon*, Lyle Swain, Frank Tsien, Danny White, Reed Williams, Ed Youngman, Pete Zopolis.

* Donated more than once.

Nancy: Please return

1975

FACULTY NOTES

New Chairman

Norman Gregory, chairman since 1970, returned to full time teaching and research July 16. Arthur Fairhall will be acting chairman during the coming year. A selection committee is seeking a chairman for the following year.

On June 7, a faculty picnic was held to honor and thank Dr. Gregory. About 70 faculty and family members had a very pleasant gathering at Matthews Beach Park.

New Faculty Member and New Provost

Irving Shain, B.S. '49; Ph.D., '52, will take over as vice president for academic affairs and provost in September. He will also be professor of chemistry. Dr. Shain comes from the Univ. of Wisconsin (Madison) where he has been vice chancellor. We welcome him back to U. of W. and the Department of Chemistry.

New Faculty Member

Stanley Raucher has been appointed Asst. Prof. in Organic. He received his Ph.D. in 1973 from the Univ. of Minn. and comes to us after PD work at Columbia University.

Last year a summary of the research interests of each faculty member was given, but space does not permit repeating that each year.

N. H. Andersen, Assoc. Prof. Org., was awarded one of sixteen Dreyfus Teacher-Scholar Grants in November 1974. This is an unrestricted \$25,000 grant. In June 1975 he went on a full-salary 5-yr grant from the Career Development Branch of NIH to devote full time to research sponsored by PHS. This includes research on the physico-chemical basis for the action of prostaglandin and the stereostructural elements necessary for biological recognition of these potent regulators of human physiology. Other research is supported by a Sloan Fellowship and the Petroleum Research Fund.

G. H. Cady, although retired, is working on the determination of fluorine by various methods.

G. D. Christian, Prof. Anal., presented an invited paper on "Amphoteric Methods of Enzyme Assay" at the International Workshop on Ion Selective Electrodes and on Enzyme Electrodes in Biology and Medicine, in Schloss Reisenburg near Ulm, Germany, Sept. 1974.

A. L. Crittenden, Assoc. Prof., Anal., is continuing with interdisciplinary research on and off campus, e.g., organic composition of atmospheric aerosols; studies with RAPS project in St. Louis and AICHEX in Los Angeles on air quality.

B. E. Eichinger promoted to Assoc. Prof., Phys. invited speaker at a symposium on macromolecules in Prague, August 1974.

G. D. Halsey, Prof., Phys., is involved in cooperative research with Prof. Whittemore, ceramic eng., on the properties of sintered oxides.

B. R. Kowalski, promoted to Assoc. Prof., Anal., is a co-founder of the Chemometrics Society.

A. L. Kwiram, promoted to Prof., Phys.

E. C. Lingafelter, Prof., Phys. In July and August he and Mrs. L. went to the Univ. of Florence, thence to Amsterdam to the Congress of Inter. Union of Crystallography. Starting July 1 he has been a co-editor of *Acta Cryst.*

C. B. Meyer, promoted to Prof., Inorg.

Y. Pocker, Prof. Org., attended the tenth Meeting of the European Biochemical Societies, organized by the Société de Chimie Biologique in Paris, July 19-26. It was a round table discussion of Enzyme Catalysis. He was awarded an ACS Tour Speaker's Plaque for 1974 for the best speaker on a Northeastern Tour involving Yale, Brandeis, Vermont, Clark and Maine Universities.

B. S. Rabinovitch, Prof., Phys., attended the Tenth International Conf. on Shock Tube Reactions in Japan for one week in July and visited four Japanese Universities.

Staff Retirements:

Marie Akers, head of purchasing and accounting, retired winter quarter.

Elizabeth Draper, secretary for the organic division, retired last winter but is still working part time.

SUMMER APPOINTMENTS

Robert Henkens, B.S., '50's; John Meany Ph.D. '67; Bruce Ronald, Ph.D., '69 all working with Dr. Pocker as visiting scholars. Kenneth Schmitz, Ph.D., '72, with Dr. Schurr. Douglas Rustad, Associate Professor, Calif. State at Sonoma, B.S. '62, M.S. '64 (Ph.D. Cal. Berk. '67) with Dr. Gregory.

WHERE THEY ARE . . . WHAT THEY ARE DOING

To economize space, abbreviations are used, particularly for the educational institutions, and PD used for post-doctoral. Also, degree listings are for the academic year July 1 to June 30, so it is not always possible to indicate the exact year in which the degree was granted.

The Twenties and Thirties

Phil Callahan, B.S., about '30 retired from Libby, McNeill & Libby after 40 years. Now consultant with National Cancer Ass'n Seattle.

William Elwell, Ph.D., '39; retired, but serving this year as a U.N. Technical Advisor to the Trinidad Government on Petrochemical Projects.

Francis Griffiths, B.S., '27 (Ph.D., Univ of Mass., '35) retired from U.S.D.A. but now Director R&D, Marine Commodities Inc., Star Rt. Box 140, Brownville, TX, 98520.

George Hitchings, B.S. '27; M.S. '28 (Ph.D., Harvard '33) V.P. research, Burroughs Wellcome Co., Res. Triangle Park, NC 27709. Elected to Royal Society, Foreign Membership, 1974.

Lynn Hoard, B.S., M.S., '27, '29, (Ph.D., Cal. Tech. '32), retired from Cornell faculty '71. Continuing research on "Stereochemistry of Hemes and Related Model Systems," funded by NIH through 1977.

Clayton Huey, Ph.D. '39; retired from Chevron Research Co. after 35 years. Living at 22 Janin Place, Pleasant Hill, CA 94323.

John Shellenberger, B.S. '28 (Ph.D. Univ. of Minn. '32), 1715 Fairview, Manhattan, KS 66502. Received the C. H. Bailey Gold Medal for "distinguished contributions to cereal technology and international cooperation and understanding." Presented in Vienna.

Harold Houlton, Ph.D., '36, retired from Ashland Oil, but part time with Nuclear Eng. Co. Home: 1100 Imperial Drive, Sarasota, FL 33580.

The Forties

Don Anderson, Ph.D., '43, Director of Industrial Lab., Eastman Kodak Co., given the Award for Outstanding Achievement in Analytical Chemistry for 1974 by the Niagara Frontier Section of SAS and the Western New York ACS Section.

Randall Hamm, Ph.D. '40, is assistant chairman of chemistry, Wash. State Univ.

George Hutton, B.S. '40, is Vice-Pres. and Gen. Mgr. of Northwest Alloys Inc., Addy, WA 99101.

Clinton-Kelley, Ph.D. '41; retired from Denver Univ., now living at 3810 N.E. 52nd, Seattle and enjoying the Puget Sound area.

Richard Mullineaux, B.S. '48 (Ph.D., Wis. '51) is Gen. Mgr., MTM, of Chemistry R&D at Shell Oil Co., One Shell Plaza, Houston, TX 77001.

Dirk Verhagen, B.S. '41, Vice-Pres. Van Waters & Rogers, 4300 Holly St., Denver, CO 80216.

The Fifties

Jerry Berkelhammer, Ph.D. '57, Mgr. Organic Synthesis, Amer. Cyanamid, Princeton, NJ. "What are the odds against sons of two U. of W. chemists turning up in the same scout troop?" It happened in Princeton with Jerry's son and Phil Cruickshank's boy. Chem/Letter reported Phil being a 1950 B.S. graduate, (Ph.D. at M.I.T.), and also at Cyanamid.

Ed Boelter, Jr., Ph.D. (Chem. E.) '52 is now an assistant director at the Central Res. Dept., DuPont, Wilmington DE 19898.

Robert Evans, Ph.D., '59. Illinois College, Jacksonville, IL 83401, was on sabbatical at Univ. of Missouri, first semester.

Donald Koppa, B.S. '50, after many changes with Georgia-Pacific is now plant chemist with G-P, Chemical Div., 2163 State St., Ukiah CA 95482.

Eric Larson, B.S. '50, (Ph.D. elsewhere) named Research Scientist with Dow Chemical, enabling him to choose his own projects.

Richard Lund, Ph.D. '59, with Ciba-Geigy Corp., McIntosh, AL.

Philip Myhre, Ph.D. '58, Department chairman, Harvey Mudd College, Claremont CA 91711.

John Oliver, Ph.D. '59, Wayne State Univ., in '73-'74 was on sabbatical at School of Molecular Sciences, Sussex, England and a two month visit to Inst. of Phys. Chem. in Bucharest lecturing on pulse and fourier NMR spectroscopy.

Donald Peterson, Ph.D. '56, is graduate coordinator in chemistry at Hayward State Univ., Hayward CA 94542. He was on sabbatical at Univ. of Newcastle, Australia '72-'73.

Irene Takahashi, Ph.D. '58, joined new environmental Science Res. Chem. Co., 1602 Bldg., Dow Chemical, Midland MI 48640.

James Tazuma, Ph.D. '53, Res. Lab., Goodyear Tire, Akron, OH 44316, has patented a fuel for internal combustion engines which greatly reduces pollutants.

The Sixties

Elmer Augustin, Ph.D. '60, has his own construction firm in Anchorage Alaska; relays reports on many alums and PD people, 4121 Peterkin, Mt. View, AK 99504.

Cornelius Borman, M.S. '67, with Ciba-Geigy, Ardsley, NY 10502 (MR1) in drug metabolism and is enrolled in a Ph.D. Pharmacology program at N.Y. Medical College.

Leslie Brooks, Ph.D. '61, promoted to professor at Cal. State College, Sonoma, CA 95405

Jack Colwell, Ph.D., '61, received a Special Achievement Award in 1973 from Bur. of Standards for research on low temperature physics. NBS, Heat Division, Gaithersburg, MD 20234.

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

Morris Dodd, M.S. '67, Pacific Resins & Chemicals, 1754 Thorne Road, Tacoma, WA 98421.

Robert Frey, M.S., '67 is an investment broker, Capstan Securities Corp., 400-108th N.E., Bellevue, WA 98004.

Frank Hunter, Ph.D. '66, doing research on dyes at DuPont, Organic Chemicals Dept., Wilmington, DE 19898; has two patents on dyes recently.

James Keeffe, Ph.D. '63, promoted to professor, San Francisco State Univ., S.F., CA 94132.

Robert Kuns, M.S. '67, is chemical engineer, Tioxide Australia Pty. Ltd., Box 184, Burnie, Tasmania, Australia, 7320.

Russell La Bar, Ph.D. '72, Research Lab., Rohm & Haas Co., POB 219, Bristol, PA 19007.

Kenneth Loach, Ph.D., '69, doing research in chemical limnology, State Univ. of N.Y., Plattsburg, NY 12901.

Stewart Lombard, Ph.D. '69, heads a nine-man analytical lab at Los Alamos Scientific Lab., P.O.B. 1663, MS 490, Los Alamos, NM 87544.

Kenneth Maloney, Ph.D. '69, is a research director, Lighting Res. Lab., Gen Elec. Co., Nela Park, Cleveland, OH 44112.

Alan MacDonald, Ph.D. '68, promoted to Senior Research Chemist, Stauffer Chem. Co., 1200 S 47th St., Richmond, CA 94804.

David McClure, Ph.D., '63, Portland State Univ., Port., OR 97202, spent 1974-75 at Oxford doing experimental thermodynamic research.

Michael Minch, Ph.D. '69, Ass't. Prof., Univ. of the Pacific, Stockton, CA 95204.

Toshi Moriguchi, B.S. '67, owner of Uwajimaya Inc., distributors of Oriental foods, 651 S. Industrial Way S, Seattle, WA 98114.

Wesley Nigh, Ph.D. '65, PD with Dr. Pocker 1974-75; on leave from Univ. of Puget Sound.

Marilyn and Richard Parker, Ph.D.'s '68 and '67, have a baby son June 1, 1975. Marilyn has been chairperson of chemistry at Monmouth College and chairperson of the local ACS section.

Thomas Pratt, Ph.D. '61, Georgia-Pacific Co., Box 1068, Albany, OR 97231.

Kent Pullen, Ph.D., '67, res. engineer at Boeing. Also serving as State senator after one term in the house. He and wife Fay, Ph.D. '68 reside 22844 172nd Ave. S.E., Kent, WA 96131.

John Raymonda, Ph.D. '66, research chemist, working on chemical lasers Calspan Corp., Box 235, Buffalo, NY 14221.

Don Rice, Ph.D. '68, IBM Materials Science Group, San Jose, CA 95120.

Dwight Tardy, Ph.D. '67, promoted to assoc. prof., Univ. of Iowa, Iowa City, IA 52240.

Joel Van Ornum, B.S. '67, Rocket Research Corp., Redmond, WA 98052.

The Seventies

Marlene Davies Abel, B.S. '72, is a chemist at the Army Medical Lab., Dept. of Veterinary Medicine, Fort Baker, Sausalito, CA 94965.

Sheldon Aronowitz, Ph.D. '71, PD with Dr. Eichinger.

James Booker, Ph.D. '70, Wyoming State Lab., Box 1895, Cheyenne, WY 82001.

Larry Butler, Ph.D. '72, Environ. Prot. Agency, P.O. Box 219, Wenatchee, WA 98801. Larry's change of address came in just after we went to press last year.

Chae Yoo Chung, Ph.D. '71, Res. Center, 3M Co., St. Paul, MN 55101.

Jeffrey Dial, Ph.D. '72, was PD with Dr. Rabinovitch last year.

William Elfring, Ph.D. '72, now at Rohm & Haas, Res. Lab., Spring House, PA 19477.

Gary Von Erichsen, B.S. '72, Georgia-Pacific Resin Div., Box 1068, Albany, OR 97321.

Edmond Green, Ph.D., '73, this summer at U. of W. with Dr. Pocker; then Senior Chemist, Scott Paper Co., Everett, WA 98206.

Robert Ireton, Ph.D. '74, will enter U. of W. Medical School in September.

Richard L. Johnson, Jr., B.S. '72, Oregon Graduate Center, 19600 NW Walker Road, Portland, OR.

Craig Kennedy, Ph.D. '71, Los Alamos Scient. Lab., Los Alamos, NM 87544.

Stephen Koepp, B.S. '70, 11226 30th Ave. SE, Everett, WA 98204. Cited as Highly Meritorious in the Biennial Puget Sound Section High School Teacher Award, 1974.

Roger Lok, Ph.D. '71, Eastman Kodak Bldg. 82, Kodak Park, Rochester, NY 14650.

James Nusz, Ph.D. '70, Mallinckrodt Chemical Co., Second and Mallinckrodt Sts., St. Louis, MO 63147.

Arnold Schaffer, Ph.D. '72, Phillips Pet. Co., Res. Lab., Bartlesville, OK 74003.

Dennis Schuetzle, Ph.D. '72, promoted to head of the Analytical Research Dept., Ford Motor Res. Labs. Box 2053, Dearborn, MI 48121.

Barbara Shaw, Ph.D. '73, Ass't. Prof. Dept. of Chem., Duke Univ., Durham, NC 27706.

Chyi-Feng Shieh, Ph.D. '73, PD at Materials Sciences Div., Rensselaer Poly. Inst., Troy, NY 12180.

Steven Sylvester, B.S. '73, working on Master's in Biochem., Dept. of Chem., Univ. of Dayton, Dayton OH 45409.

Noriyuki Watamori, Ph.D. '71, working for Kohjim C-. Ltd. Married to Toshiko Suzuki (M.S. '71); address, 18-14 Hasunum-Cho, Itabashi-Ku, Tokyo, 174, Japan.

Victor Williams, Ph.D. '74, teaching at Calif. State Univ., Chico, CA 95926.

Seventeen Earned Ph.D. Degrees During Academic 1974-75

Lola Bjorkquist, in Cincinnati, where husband Dave (Ph.D. July '75) will be with Proctor and Gamble.

Kuei-Jung Chao, teaching, Nat. Tsing Hua Univ., Hsinchu, Taiwan.

Ronald Cook, entering Univ. of Calif. School of Medicine, San Francisco, CA 94122.

Alan Craig, College of Forest Resources, U. of W.

Douglas Dierdorff, Pioneering Res. Lab. DuPont, Wilmington, DE 19895.

David Green, Chevron Research, 26 Standard Ave., Richmond, CA 94001.

Phyllis Hoar, Dept. of Physiology, U. of W.

Elizabeth Karess, Pigment research, DuPont, Newark, N.J.

Masanori Kato, PD, Chemistry, Univ. of Michigan.

William Laughlin, PD, Stanford Res. Inst.

Elizabeth Leovey, PD, Georgetown Univ.

Roger Leung, PD, Chemistry, Univ. of Manchester, England.

Larry McCandlish, PD, Chemistry, Wash. State Univ., Pullman.

David Munch, PD, c/o M. Karplus, Lab de Chemie, Univ. of Paris VII, Paris, France.

Edwin Ray, Ft. Morgan Community College, Ft. Morgan, CO 80701.

FaMei Wang, Dept. of Chem. U. of W.

Twelve Master's Degrees Were Granted in 1974-75.
Rita Bartschot, Eastern Wash. State Coll. Dept. of Chem. Cheney, WA 99004.

Mary Ann Flandera

Timothy Ho

Roger Kadeg, 15248-29th S., Seattle, WA 98188.

Jenny Lo, Union Carbide Corp., Texas City, TX 77590.

David Predmore, 1716 NW 57th, Seattle, WA 98107.

Craig Rusbult, 1417 W. Castle Av., Anaheim, CA 92802.

Donald Silver, Hewlett Packard Co.

David Sloat, Dept. of Chem., Univ. of Wash.

Peter Tam, Dept. of Chem. Eng., Univ. of Wash.

James Thomas, 3232 S. 198th, Seattle, WA 98188.

Walter Zdybak, Dept. of Chem. U. of W.

Undergraduate Degrees

The Bachelor Degree group has an outstanding record this year. Space does not permit listing all of them, but, of the 41 B.S. and 27 B.A. degrees, the following are especially noteworthy.

Susan Henrichs, President's Medalist with a 4.0 average has a combined chemistry and oceanography major. She has a fellowship at Woods Hole Oceanography Institute.

Robert Anderson, summa cum laude.

William Finrock; magna cum laude, U.W. Medical School.

Alan Montgomery, David Serafini, and Sandra Shinkoskey; magna cum laude.

Robert Barrick; William Bilnoski, Stuart Ketcham, Eugene Khoong and Grant Webster, cum laude. Ketcham is going to graduate school at Colorado State.

Two others graduated with distinction; Mark Burns and Calvin Palmer.

David Olsen graduated with College Honors.

**WE REGRET TO REPORT
THE PASSING OF:**

Albert Purvis, Ph.D. '52 (Chem. E.) in August 1972.
Britt Kellogg, Ph.D. '53. Date unknown.

William Antonius (Tony), machine shop supervisor until 1967, died in 1973, and Ray Newbury, glassblower for over 20 years until 1964, died this year.



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