

# CHEM / LETTER

## A BRIEF UPDATE ON DEPARTMENTAL AFFAIRS

This summer finds the department in the usual busy state of winding up last year's unfinished business and getting ready for the new. About 30 new graduate students are expected to join us in September, bringing the total in residence to around 116. The regular active faculty (see faculty notes) now numbers 32, 3 in Analytical, 6 in Inorganic, 10 in Organic, and 13 in Physical; no new appointments or retirements are immediately pending. We have just entered a new biennium and, while pleased to see some improvement in salaries, are very concerned to be faced with a ten per cent reduction in the operating funds provided by the state.

Those of you who visited Bagley Hall during the summer will have noticed the installation of badly needed improvements to our ventilation system. This project will be finished in time for autumn classes. The hazardous chemical handling and storage facility (a small building constructed in the service zone parking area) has now been operational for nearly a year. Upcoming next year is a major renovation project to replace utilities and modernize laboratories in the older parts of the building.

The department finds increasing student demand for its courses, largely from nonmajors. A total of over 15,000

student registrations in chemistry courses was recorded last year. Dave Eggers and Hugh Stout are currently serving as faculty coordinators for graduate and undergraduate studies, respectively, and contribute in a major way to the solution of the administrative and educational problems associated with meeting this challenge. Scott Chilton continues his indispensable service as faculty coordinator for operational matters, including safety, working closely with our dedicated staff.

Our new undergraduate upper division laboratory program is off to a good start. Forty-four BS, twenty-five BA, ten MS, and twenty PhD degrees were granted by the department during the past year. The department has received authority to offer a DA degree, a doctoral program designed primarily as an option for those preparing for careers in teaching at colleges where research is not emphasized. Candidates must earn a thesis MS, take the same cumulative examinations as the PhD students, but complete a broad graduate course program and teaching internship instead of the specialized research training required of the PhD. A dissertation is required. One graduate student is currently in the program.

Thanks again to editor Vic for keeping the *Chem/Letter* on track. Best wishes to you all and please visit us whenever you are in Seattle.

Norman Gregory, Chairman

## EDITOR'S MESSAGE.

This edition of *Chem/Letter* is late because of the editor's activities. My wife and I were in Britain and way points during April, May, and June. So collating material had to wait until July. Despite its lateness we hope this will bring you news of and greetings from the department. Also, that it will sustain or rekindle your interest and assure you that we wish to maintain ties with you.

Last year's letter was well received, judging by the replies. The postage-paid reply sheet may have encouraged the greater number of responses. However, the number of contributions was down, possibly because of not using an envelope. Several ingenious alums enclosed checks by using tape on three sides of the sheet. The responses topped 150 with about 20 contributing about \$140. We hope to hear from you with news of you and your friends.

Again we wish to thank those of you who sent personal messages to the faculty. These are passed on to the designated people. We also appreciate the news of other graduates which is a great help in the difficult task of keeping up the mailing list.

V. Sivertz

## FACULTY NOTES

As reported in last year's *Chem/Letter*, three new faculty joined the department. Professor Gary Christian in Analytical and assistant professors Nicholas Epiotis in organic and Josephus Norman in inorganic. This autumn, Weston Borden, Ph.D., Harvard '68 will come as associate professor of organic chemistry, and Bruce Kowalski, Ph.D., U. of W., '69 will be an assistant professor in analytical, starting Winter Quarter 1974.

Niels Anderson was named Sloan Fellow for 1972-73.

Ernest Davidson was one of the discussion leaders in a conference on theoretical chemistry in Houston, Texas. It was under the auspices of the Welch Foundation, Nov. 20-22, 1972. Also he was an invited speaker at the International Congress on Quantum Chemistry in Menton, France, this summer.

David Eggers will spend Autumn Quarter on sabbatical leave at MIT, Boston. Darrell Woodman will assume Dr. Eggers duties as graduate coordinator during his absence.

Arthur Fairhall spent the past year at the Institute of Nuclear Sciences, Wellington, New Zealand, pursuing research in natural and man-made radiocarbon in the atmosphere.

Edward Lingafelter has been vice president of the American Crystallographic Association for 1973. He will assume the presidency in 1974. Ed has served on the National Academy of Science committee for crystallography for the past three years.

Beat Meyer was visiting professor at the Max Planck Association, F. Haber Institut, Berlin, from March 1972 to July 1972 and was there again in December.

Yeshayau Pocker gave two lectures on enzyme catalysis at a pre-congress symposium at the University of Uppsala, Sweden. Later, at the 9th International Congress of Bio-

chemistry in Stockholm, he presented a paper authored jointly with Joan Ng on "Plant Carbonic Anhydrase." These were in June and July 1973.

Verner Schomaker attended a series of meetings in June and July: as an invited participant at Brookhaven; at the University of Connecticut, at Storrs; a NRC conference at Dartmouth, and a seminar at Oakridge. In September, he plans to be in Zurich at the International Conference on Zeolites.

Fred Schubert was at the University of Munich during 1972-73 doing research during sabbatical leave.

Boris Weinstein has been named executive secretary and a member of the Board of Organic Reactions. He plans to go to Oxford, England, during the Spring Quarter of 1974.

## The Deaths of Two Graduates Have Been Noted

William C. Indoe passed away in Seattle in February 1973. He earned his degree here after service in World War I.

Paul J. Ruple of the class of 1923 died in Seattle during the latter part of 1972. He had retired from the Shell Oil Co.

## 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 Early Decades*

Harlan L. Trumbull, B.S., '07, M.S., '08 (Ph.D. Chicago '11), reported for himself and his wife Dorothy, A.B., (Chem.) '11, living in the same house in Hudson, Ohio (near Akron), for 52 years. Dr. Trumbull, before retirement, was with Goodrich Rubber.

Carl Z. Draves, B.S., '17; Ph.D., '25, accomplished his second retirement. His first was from GAF Corp.; the second from teaching.

Ernest B. Edgerton, B.S., '23, retired from Seattle Public Schools.

Philip S. Showell, B.S., '25, has been living in retirement in Brunswick, Maine, but plans to move to Mexico.

George H. Hitchings, B.S., '27; M.S., '28 (Ph.D. Harvard '33), was cited in last year's *Chem/Letter* for an ACS award. This year he received the Cameron Prize in Practical Therapeutics from Edinburgh University.

Keith M. Seymour, Ph.D., '33, retired from Butler Univ., Indianapolis, where he had been chairman of chemistry.

Henry E. Wirth, Ph.D., '35, retired from Syracuse Univ., and will live at 111 Hawthorne Road, Bellingham, WA 98225. He was chairman of chemistry at Syracuse for many years.

Clifford E. Barnes, Ph.D., '37, will retire in Sept. 1973 from Dept. of Oceanography, University of Washington.

Arthur T. Ness, Ph.D., '37, will retire from Nat'l Inst. of Health, Bethesda. Home address, 5808 Phoenix, Bethesda, MD 20014.

Lloyd E. West, Ph.D., '39 retired from Eastman Kodak.

Raymond W. Bremner, Ph.D., '37, retired from Fresno State College.

#### *The Forties*

Alexander Leaf, B.S., '40 (M.D., Mich. '43), Harvard Medical School, Boston, MA 02115. In addition to many scientific papers, Dr. Leaf wrote the fascinating article in the National Geographic magazine (Jan. 1973) "Every Day is a Gift When You Are Over 100." It is a study of people in three different areas who live long, active lives.

Helmut M. Haendler, Ph.D., '40, was on a Fulbright research appointment at the Max-Planck Inst. for Solid State Research during 1972-73.

Robert G. Paquette, Ph.D., '41, is Assoc. Prof. of Oceanography, Naval Post Graduate School, Monterey, CA 93940.

Clinton M. Kelley, Ph.D., '41, retired from Denver University where he was chairman of chemistry. He now lives at 10590 W. 8th Ave., Lakewood, CO 80215.

Lyle H. Jensen, Ph.D., '44, Department of Biological Structures, U. of W., gave the G. N. Lewis memorial lecture at Berkeley speaking on the X-ray structures of proteins.

Lyle A. Swain, Ph.D. '45, retired from Weston Collegiate Inst., Toronto, and now living at 1 Leona Drive, Willowdale, Ontario.

Dana Harter, Ph.D., '46, appointed dean of allied health sciences at Eastern Washington State College.

John D. Corbett, B.S., '48, Ph.D., '52, presented a seminar here in May. He has been chairman of chemistry, Iowa State Univ., Ames, IA, since 1968. He is also a division chief at the Ames Lab. of AEC.

#### *The Fifties*

Philip Cruickshank, B.S., '50 (Ph.D., MIT, '54), now at FMC Corp., Princeton, NJ 08540.

Sol Shulman, B.S., '52 (Ph.D. N. Dakota State '63), erroneously reported in 1972 *Chem/Letter* with degree from Iowa State. Now at Illinois State Univ., Normal, IL 61761.

Richard Nelson, Ph.D., '54, is at Shell Development Co., Chemical Research Lab., P.O. Box 79090, Houston, TX 77079.

Ted B. Flanagan, Ph.D., '55, Chem. Dept., Univ. of Vermont, was a participant in the Nat'l. Acad. of Sciences Exchange Program with Poland (1970) and Romania (1972).

Mark P. Freeman, Ph.D., '56, is now senior scientist at the Central Technology Div. of Dorr-Oliver, Inc., Stanford CT 06904.

Robert Gordon Anderson, Ph.D., '56, returned from the Netherlands in August, 1972, and is now assistant to the president, Chevron Research Co., 576 Standard Avenue, Richmond, CA 94802.

Jorge Heller, Ph.D., '57, now with Alza Corp., 950 Page Mill Road, Palo Alto, CA 94304.

Richard F. Gordon, Jr., B.S., '57, former astronaut (Gemini XI 1966; Apollo XII, Nov. 1969), is now exec. vice-pres. New Orleans Saints Football Club.

Thomas H. Colby, Ph.D., '58, Shell Development Co., P.O. Box 999, Deer Park, TX 77536

Frank E. Karasz, Ph.D., '58, Univ. of Mass., was visiting professor at the Swiss Federal Inst. of Tech., Zurich, in the summer of 1972.

Edward W. Schlag, Ph.D., '58, left Northwestern Univ., to be a professor at the Inst. fur Phys. Chemie und Electrochemie der Technischen Univ. Munchen, West Germany.

B. Donald Compton, B.A., '58; M.S., '61 (D. of Arts, Univ. of N. Colorado, '72), teaching at Monterey Peninsula College, Monterey, CA 93940.

#### *The Sixties*

Jerry J. Avenell, B.A., '60, after several years in the Air Force enrolled at the Inst. of Paper Chem. (M.S., '71). Now at International Paper Co., Mobile AL 36601.

Darrell W. Brownawell, Ph.D., '60, at Esso Res. and Eng. Co., P.O. Box 175, Linden, NJ 07036. Returned last year after spending 2½ years at Esso Research Center at Abingdon, England.

Thomas Maricich, B.S., '61 (Ph.D., Yale '65), is teaching at North Dakota State, Fargo, ND 58102.

Charles V. Berney, Ph.D., '63, is now at Air Force Rocket Propulsion Lab., Edwards, CA 93523.

David W. Robare, M.S., '64, chairman, Dept. of Math. and Science, North Seattle Community College.

Arnulf P. Hagen, B.S., '64 (Ph.D., Univ. of Pennsylvania '68), teaching at Univ. of Oklahoma, Norman, OK 73069.

Leigh B. Clark, Ph.D., '64, reports that he and his father, Wesley M. Clark, Ph.D., '35, are a father and son Ph.D. team (the only one in Chemistry at U. of W. as far as we know). Wesley, retired, lives in Walnut Creek, Cal., and Leigh teaches at the Univ. of California at San Diego.

Gary L. Bottger, Ph.D., '64, was appointed head of the Chemical Physics Lab. at Eastman Kodak.

Yoshiaki Motoyama, Ph.D., '65, has been promoted to General Manager of Diamond Shamrock Pacific, Tokyo, Japan.

Don Bergstrom, B.S., '65 (Ph.D. Berkeley '70), is assistant professor at The Rockefeller Univ., New York, NY 10021.

John L. Warren, B.S., '65 (Ph.D. Simon Fraser, '71), is a staff member at Los Alamos Scientific Labs., Los Alamos, NM 87544.

Patrik Callis, Ph.D., '66, Montana State Univ., gave a seminar here this spring.

Melvin K. Carter, Ph.D., '66, is at Ames Research Center (NASA), Moffett Field, CA 94035.

Curtis Johnson, Ph.D., '69, Oregon State Univ., presented a seminar here recently.

Robert Kuns, M.S., '67, went to Australia in 1971 and is Research Officer of Tioxide Australia Pty. Ltd., Heybridge, Tasmania.

Milton H. Andrus, Jr., Ph.D., '68, changed to Chem. Resources Div., 3M Co., St. Paul, MN 55101.

Mary Morrison Exner, Ph.D., '69, has left Dow and is now with Midland Macromolecular Inst., 1910 W. St. Andrews Drive, Midland, MI 48640. Husband Jurgen, Ph.D., '68, is still with Dow.

R. Peter Burgner, M.S., '68, is a graduate student at the Pennsylvania State Univ.

Usha Varanasi, Ph.D., '68, is associate research professor at Seattle Univ., 98122.

Hal Westberg, Ph.D., '69 is with the College of Engineering, Research Div., Wash. State Univ., Pullman 99163.

Stewart Lombard, Ph.D., '69, is at Los Alamos Labs.

George Zakrzewski, Ph.D., '69, is at Du Pont Expt. Station, Wilmington, DE 19803.

#### *The Seventies*

Siu C. Chan, Ph.D., '70, is a research scientist at Riverview Hospital, Essondale, B.C.

Charles M. Greenlief, Ph.D., '70, is teaching at Kansas State Teachers College, Emporia, KS 66801.

James O. Currie, Ph.D., '70, teaching at Pacific Univ., Forest Grove, OR 97116.

Michael J. Minch, Ph.D., '70, is assistant professor at Tulane Univ., New Orleans, LA 70118.

James Nusz, Ph.D., '70, is at the Pioneering Lab, Experiment Station, DuPont Co., Wilmington, DE 19803.

Dennis G. Perry, Ph.D., '70, Los Alamos Scientific Labs, Nuclear Chem. Div., Los Alamos, NM 87544.

Theodore Richerzhagen III, Ph.D., '70, is a PD Lecturer, Dept. of Chem., Univ. of Cal., Davis 95616.

Grant T. Runbeck, B.S., '70 (M.S. Colorado State), is with Pratt-Whitney Aircraft Corp., Materials Eng. Res. Div., Middletown, CT 06457.

Judith Fries, Ph.D., '71, teaching at Cal. State Poly. College, San Luis Obispo, CA 93401.

Dan Jensen, Ph.D., '71 is at Gulf Oil Research Lab., San Diego, CA.

Jean Louis Metzger, Ph.D., '71, will be a PD at the Univ. of Zurich.

Alain Morelle, Ph.D., '71, 7 Bis Rue Jeanne D'Arc, 59, Lille, France.

Kenneth Schmitz, Ph.D., '71, assistant professor at Florida Atlantic Univ., Boca Raton, FL 33432.

Louis Torre, Ph.D., '71, teaching at York College, CUNY, 150 Jamaica Ave. Jamaica, NY 11432.

Robert D. White, Ph.D., '71, is Assistant Prof. of Chem., at Wesleyan Univ., Middletown, CT 06457.

Lonnie Wilson, Ph.D., '71, is Assistant Prof. at Rice Univ., Houston, TX 77001.

Gary M. Masada, Ph.D., '72, is at Chevron Research Co., 576 Standard Ave., Richmond, CA 94802.

Twenty people earned Ph.D. degrees during academic 1972-73. Listed in order of degree granting they are:

Brian C. Davis, PD with Dr. Pocker, U. of W., on a Wash. State Heart Ass'n. Fellowship.

Kenneth D. Spitzer, instructor in chemistry at Univ. of Utah 1973-74.

Larry C. Butler, Medical Genetics, U. of W.

Edward A. Hardwidge, PD, Dept. of Chem., Univ. of Alberta, Edmonton.

Jeffrey L. Dial, Chem. Dept., U. of W.

James David Kruger, Clatsop Community College, Astoria, OR.

Sandra E. Smith, Medical School, Univ. of Cal., Davis, CA 95616.

Dennis Schuetzle, Chem. Lab., Ford Motor Co., Dearborn, MI 48121.

Mitchell A. Poling, PD, Univ. of Oklahoma, Norman, OK. 73069

Arnold M. Schaffer, teaching, Dept. of Chem., Univ. of Houston, TX 77004.

Irene R. Masada, teaching at Sonoma State, Rohnert Park, CA 95405.

William W. Gill, 5226 Hollywood Blvd., No. 308, Los Angeles, CA 90027

Lawrence C. Andrews, PD, Brookhaven Nat'l. Lab., Upton, NY 11973.

Tzong-Hsiung Hseu, PD, Dept. of Chem., Univ. of Texas, Austin, TX 78712.

Hong Sun Uh, Industrial PD, Dynapol, Palo Alto, CA.

Peter M. Stonebraker, Chevron Research Co., Richmond, CA 94802

Chyi-Feng Shieh, PD, Dept. of Chem., U. of W.

Stephen R. Langhoff, PD Battelle Memorial Inst., Columbus, OH 43201.

Barbara Ramsay Shaw, Research Associate, Biochem-Biophysics, Oregon State Univ. 97331.

Richard L. Knights, PD, Dept. of Chem., U. of W.

#### *Ten Master's Degrees were granted in 1972-73*

Helen (Han) Bevers, Dept. of Psychiatry, Health Sciences Bldg., U. of W.

Stephen Koepp, Mukilteo High School

Nancy Howe, Everett Community College, Everett, WA

Eric Knudson, Dept. of Chemistry, U. of W.

William Staples, Lt. Col., U.S. Army

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

Paul Smith, Institut für Anorganische Chemie der Tech  
Hochschule Aachen, 51 Aachen BRD, West Germany

Becky Bottino, 1228 23rd Ave. E., Seattle, WA 98102

Terrance Murphy, American Community School P.O. Box  
8129, Beirut, Lebanon

Gamal Eddin Khalil, P.O. Box 6104, Tripoli, Libya (L.A.R.)

## **CAN YOU HELP LOCATE THESE ALUMS?**

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

Daniel A. Abdo, B.S., 1950's, Seattle  
Gary W. Allen, B.S., 1960's, UCLA

John P. Bell, B.S., 1960's, U. of Wis.  
Alexander Berlin, Ph.D., '61, Europe  
Evamaria Riegger Chookolingo, Ph.D., '44, Calif.  
John S. Coates, B.S., 1960's, U. of Colo.  
Donald E. Davenport, M.S., 1940's, Richland, WA.  
Donald W. Hamilton, B.S., 1950's, Seattle  
Kristen Jorgenson, B.S., 1940's, Seattle  
Karl B. Kellogg, Ph.D., '53, Louisiana  
Richard A. Kluge, M.S., 1960's, Gen. Elec. NY  
Edward L. Johnson, B.S., 1960's, Ph.D., WSU  
John R. Johnson, B.S., 1960's, Mt. Vernon, WA  
Charles D. Koppa, B.S., 1940's, Seattle  
David G. Korzan, M.S., 1960's, U. of Colo.  
Toshi Moriguchi, B.S., 1960's, U. of Colo.  
Barry T. Murphey, Ph.D., '67, Illinois  
Merrill E. Nissen, B.S., 1960's, Ames, Iowa  
Allen G. Osborne, Ph.D., '55, Calif.  
Harold F. Plank, B.S., 1940's, Calif.  
James D. Power, B.S., 1960's, U. of Wis.  
Sutton Redfern, B.S., 1930's, New York  
Boyd A. Ryan, M.S., 1960's, Richland, WA  
Norman J. Sheeran, M.S., 1940's, Seattle  
Denis Skeie, B.S., 1950's, Chevron Res.  
Luther H. Smithson, M.S., 1950's, Chevron Res.  
James N. Strode, B.S., 1950's, Ph.D., WSU

## **PUBLISHER'S AND EDITOR'S DILEMMA**

When the publisher (whoever he or she is) and the editor of *Chem/Letter* is suddenly confronted with extra space just before publication, a problem arises.

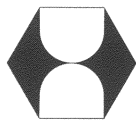
We could find no artist, no poet, no philosopher to help us fill the vacant space. So we would like to convert the extra space into your page for future letters.

We ask that you give us in your reply sheets suggestions for the content of future newsletters. Are the present items acceptable? Should we enlarge the accounts of outstanding accomplishments of alums? Should we summarize the distribution of alums by geographical regions and by occupations? What is the best time of year for mailing the Letter? How about news shorts or guest editorials by some of you?

A few negatives: We have kept family news—marriages and births—to a minimum. We have ruled out photographs and cuts as too expensive and, for the same reason, more frequent issues. We cannot increase the number of pages very much unless we receive substantially larger contributions from you.

A few positives: We think the *Chem/Letter* is worth continuing. We think the individual news items are worthwhile. We would like to increase the contacts with our BS and MS alums. It is your letter. Let us hear from you.

V.S.



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