



CHEM / LETTER

A REPORT FROM THE CHAIRMAN

It is my privilege to extend greetings to you, our graduates and friends, from the faculty, staff, and students of the chemistry department. We thank Professor Sivertz for taking time from his busy retirement schedule to prepare this newsletter. We hope it finds you in good health and that the years have been kind to you. Vic has assembled news items of interest about the department and many of our graduates that we hope will be of interest. Looking forward to the next edition, it will be most helpful if each of you will inform us about changes in your activities and those of graduates you know. We look forward to hearing from you and, of course, hope you will accept a standing invitation to visit the department whenever the opportunity presents itself.

As the newsletter reflects, the recent years have seen many changes in the department. After a period of rapid growth, the University now enters a time of restricted enrollment. Little, if any, increase in the faculty is anticipated in the next biennium. The Department of Chemistry graduate student group has decreased from a high of around two hundred in the late sixties to somewhat less than one hundred fifty at present. While our need for teaching assistants remains high there has been a decrease in the numbers of students supported by federal grants and fellowships. The faculty looks forward, however, to increased quality in our program and the opportunity to work with an excellent though smaller graduate student group.

On behalf of the present members of the department and particularly its more recent graduates, I would like to express special thanks to Verner Schomaker for his guidance and dedicated service during his recently completed term as chairman. We are happy that he now has at least a little more time to devote to his students, special interests in teaching, and research. With his wise

counsel, together with that of all our colleagues, the department faces the challenges of the seventies with confidence that it will maintain and increase its contributions to society and human endeavor.

N. W. Gregory

While it was hoped to have a newsletter written last autumn, a similar plan has existed during the long period since the last one in 1962. So with this as a new year's effort, it carries the resolve to continue issues at reasonable intervals. The success of such resolution depends on activities here in producing the issues and the response from you—the recipients. News items are needed; comments and suggestions are solicited and accurate addresses are vital for a working distribution. Everyone in your community knows that Jim has left Apex Company, but we and many of his contemporaries do not. Therefore, please send your comments and information on the enclosed sheet.

Along with this newsletter, there are enclosed the booklets (1) "Doctor of Philosophy Graduates in Chemistry 1914–1970" and (2) "Scientific Publications of the Chemistry Staff, October 1958–June 1969."

In relation to the first of these, it should be said that prior to July 1, 1953, the Department of Chemical Engineering and the Department of Chemistry were administered jointly as the Department of Chemistry and Chemical Engineering. For this reason, chemical engineering graduate students receiving Ph.D. degrees prior to July 1, 1953, have been included in the listing of doctorates. In most cases, these candidates can be identified by their research topics and research professors. Profs. Benson, Beuschlein, Kobe, McCarthy, and Moulton were members of the faculty of the Department of Chemical Engineering and were active in supervising doctoral programs before the two departments were formally separated.

A DECADE OF CHANGE

The decade of the sixties probably saw more change in the department than during any similar period, reflecting the climate of the times in all educational institutions. Of course, there have been changes in staff indicated in part by the list of faculty given below and in the supporting staff. But more striking are the innovations in organization involving both faculty and students.

About two years ago the Undergraduate Chemistry Council was set up with representatives from each class and area, i.e., B.A. majors, B.S. majors, and education majors. Representatives of this group attend both faculty meetings and meetings of the Undergraduate Curriculum Committee. Paralleling this, representatives of the Chemistry Graduate Students Association come to meetings of faculty, the Graduate Curriculum Committee, and Teaching Assistants Assignment Committee. In fact, the chairmen of various committees are encouraged to invite student participation where this seems appropriate.

This more active participation by students in tackling departmental problems came as a result of a cooperative and mutual desire on the part of both faculty and students. A need for a more formal arrangement is certainly related in part to the increased size of the University and has led to better understanding of mutual problems by both groups. The faculty is pleased with the sincere and reasonable attitudes of the vast majority of graduate and undergraduate chemistry majors.

In the administration of the department, an executive committee has been appointed to act as a steering group and as a forum for interchange between the chairmen of committees primarily concerned with policy matters. This year's committee consists of Department Chairman Norman W. Gregory, and Professors Chilton (operations coordinator), Davidson (undergraduate studies coordinator), Rose (graduate studies coordinator), Lingafelter, Rabinovitch, and Stout. This committee and about a dozen sub-committees relieve the chairman of the almost impossible task of "going it alone." Professors Chilton, Davidson, and Rose assume special responsibilities in several important areas of administration.

WE HOPE YOU READ THIS ALSO

We hope it is in place to remind you that much effort goes into the continuing problem of obtaining the financial support that assisted all of you in your studies at the University of Washington, particularly at the graduate level. You may be assured that the problem is no less acute now, so contributions are very welcome and, we feel sure, will give you a deep personal satisfaction.

Contributions may be designated for the following funds by making out checks to the fund and forwarding to the University of Washington Department of Chemistry, Seattle, Washington 98105.

(1) Tartar Fund—unrestricted as to use; for example, for scholarships, visiting lecturers, equipment, and so forth.

(2) Dauben Fund—the income from this memorial fund is used to bring a lecturer every other year. This year's lecture was given April 9, 1971, by Dr. Paul Bartlett of Harvard University.

(3) Pacific Northwest Organic Lectureship—a fund used to invite two outstanding organic chemists per year to visit the department. This was begun in 1969, and so far, J. D. Roberts, E. E. van Tamelen, and J. Meinwald have presented talks here.

Whatever amount you give will be welcome, but we hope you will at least send \$2 to help finance this and future issues of the "Newsletter."

LIST OF FACULTY 1970–1971

(Year of appointment is given in parentheses.)

- N. H. Andersen (1968) *Assistant Professor, Organic*; Ph.D., Northwestern
- A. G. Anderson (1946), *Professor, Organic*; Ph.D., Michigan
- G. H. Cady (1938), *Professor, Inorganic*; Ph.D., California
- W. S. Chilton (1963), *Associate Professor, Organic*; Ph.D., Illinois
- A. L. Crittenden (1947), *Associate Professor, Analytical*; Ph.D., Illinois
- E. R. Davidson (1962), *Professor, Physical*; Ph.D., Indiana
- D. F. Eggers (1950), *Professor, Physical*; Ph.D., Minnesota
- B. E. Eichinger (1968), *Assistant Professor, Physical*; Ph.D., Stanford
- A. W. Fairhall (1954), *Professor, Nuclear*; Ph.D., M.I.T.
- M. P. Gouterman (1966), *Professor, Physical*; Ph.D., Chicago
- N. W. Gregory (1946), *Professor and Chairman, Physical*; Ph.D., Ohio State
- G. D. Halsey (1951), *Professor, Physical*; Ph.D., Princeton
- A. L. Kwiram (1970), *Associate Professor, Physical*; Ph.D., Cal Tech
- E. C. Lingafelter (1939), *Professor, Physical*; Ph.D., California (Berkeley)
- J. W. Macklin (1968), *Assistant Professor, Inorganic*; Ph.D., Cornell
- C. B. Meyer (1964), *Associate Professor, Inorganic*; Ph.D., Zurich (Switzerland)
- Y. Pocker (1961), *Professor, Organic*; Ph.D., D.Sc., London (England)
- B. S. Rabinovitch, (1948) *Professor, Physical*; Ph.D., McGill (Canada)
- D. M. Ritter (1944), *Professor, Inorganic*; Ph.D., Chicago
- R. J. Robinson (1929), *Professor, Analytical*; Ph.D., Wisconsin
- N. J. Rose (1966), *Associate Professor, Inorganic*; Ph.D., Illinois
- V. Schomaker (1965), *Professor, Physical*; Ph.D., California Institute of Technology
- W. M. Schubert (1947), *Professor, Organic*; Ph.D., Minnesota
- J. M. Schurr (1966), *Assistant Professor, Physical*; Ph.D., California (Berkeley)

L. J. Slutsky (1961), *Professor, Physical*; Ph.D., M.I.T.
 G. H. Stout (1957), *Professor, Organic*; Ph.D., Harvard
 R. Vandenbosch (1963), *Professor, Nuclear*; Ph.D., California (Berkeley)
 G. Vincow (1961), *Professor, Physical*; Ph.D., Columbia
 B. Weinstein (1967), *Associate Professor, Organic*; Ph.D., Ohio State
 D. J. Woodman (1965), *Associate Professor, Organic*; Ph.D., Harvard

EVENTS IN THE DECADE 1960-70

1961—Paul C. Cross, chairman since 1949, resigned to become president of Mellon Institute. George Cady succeeded him... Kenneth Wiberg accepted a professorship at Yale... Drs. Pocker, Slutsky, and Vincow joined the staff.

1962—Dr. Ernest Davidson appointed to the staff.

1963—Drs. Vandenbosch and Chilton added to staff... Dr. Sargent Powell retired in August. In December he died of a heart attack... The addition of 30,000 sq. ft. on the top of Bagley Hall completed, providing 50 laboratories and offices all devoted to research.

1964—Dr. Meyer appointed to the staff... Dr. Simpson left to go to the University of Oregon.

1965—Dr. Verner Schomaker joined faculty and succeeded George Cady as chairman... Drs. Isenhour and Woodman joined the staff.

1966—Drs. Gouterman, Rose, and Schurr appointed... Chemical engineering moved to Benson Hall, the new chemical engineering building, 100 ft. west of Bagley.
 1967—Dr. Weinstein appointed... Dr. Sivertz retired in December.

1968—Dr. Tartar (emeritus since 1951) passed away in January... Dr. Hyp Dauben died of a stroke in April at the San Francisco ACS meeting. Dr. Kenneth Harmon took over Dauben's work for one year... Drs. Andersen, Eichinger, Macklin, and Rowe appointed... Mass Spectrograph and NMR moved to ground floor... The acquisition of an MS-9 high-resolution mass spectrometer through NSF funding, and the loan from Boeing of an HA-100, 100-megacycle NMR, as well as a T-60 from pharmacy, makes a useful array of instruments.

1969—Drs. Isenhour and Rowe resigned... Bernard Nist made associate... The former chemical engineering unit operations laboratory converted into a chemistry machine shop on the ground floor and an expanded chemistry-pharmacy library on the first floor.

1970—Dr. Schomaker resigned as chairman to devote full time to teaching and research. Dr. Norman Gregory succeeded him... Dr. Alvin Kwiram joined the staff... Dr. Gershon Vincow is spending a one-year sabbatical at Harvard on an NSF Senior Post-doctoral Fellowship with Dr. M. Karplus... Dr. Niels Andersen returned to Seattle in January, 1971, from a leave of absence spent with the Alza Company, Palo Alto, California, where he had been working on the synthesis of prostaglandins... Dr. Pocker was ACS lecturer at six Northwest Sections last autumn. His lectures were based on his research into the mechan-

ism of enzyme catalysis. In the spring Dr. Pocker will be Sigma Xi national lecturer in the Middle Atlantic region... Dr. Schomaker has been appointed a member of the United States National Committee for Crystallography for 1971-74... Dr. Rabinovitch has been reappointed to a four-year term, 1971-75, on the editorial board of the *Journal of Physical Chemistry*. He continues on the board of editors of the *Journal of the American Chemical Society*, and maintains an office in Bagley Hall for that activity. Dr. Rabinovitch will be on sabbatical leave at Oxford University during Spring Quarter and part of the summer... The summer meeting of the Division of Fluorine Chemistry, held at Marquette University in June, was a symposium to honor Dr. George Cady... In February, 1971, Dr. Vandenbosch gave an invited lecture in Dubna, U.S.S.R. During Spring Quarter 1971, he will be on sabbatical leave at the University of Rochester... We regret to announce the death of Dr. Frank Ware from a heart attack on February 3, 1971.

OUR SUPPORTING STAFF

All of you know the important role played by the non-faculty people—our secretaries, machinists, glassblowers, storeroom workers, and others—when you were students. The following brief outline may omit some who stand out in your memories. If so, our apologies to you and to them.

The position of Manager of Administrative Services (now known as Assistant to the Chairman and Manager, Bagley Laboratories) was created in 1961 and filled by Col. Frank Seiler in July of that year. Col. Seiler died in October, 1962, and was succeeded by Gen. Rust in 1963. Gen. Rust served until 1967 and was replaced by Capt. Reeder. Capt. Reeder resigned in June, 1969, and was succeeded by LeRoy Hornbeck.

Helen Pearce left the Department in 1962 to be pre-medical and pre-dental adviser in the College of Arts and Sciences. She is looking forward to retirement next year.

Helen Jacobs was administrative secretary, succeeding Helen Lea, from 1962 until June 1969 when Janice Holmann took over. Donna Jones is secretary to the department chairman. Elizabeth Draper takes care of the organic division and Barbara Jaeger continues in the main office.

Marie Akers handles the purchasing activities while Bill Jensen and Charlie Meacham run the stores.

Ray Newbury retired as glass blower in 1964 and was succeeded by Kurt Greiner who, with Ollin Barber, now man that shop. Tony Antonius retired in 1967 to be succeeded by Dave Davis who supervises all the technical shops. Veterans Ralph Butterfield and Howard Fulton are in the machine shop. Bill Howald runs the MS lab under Barney Nist, and Sheldon Danielson has charge of the electronics shop.

ALUMNI NEWS

James R. Lorah, Ph.D., 1928, retired from University of Missouri, Columbia, Mo.

Meryl W. Deming, Ph.D., 1929, retired from University of Nevada.

V. R. Damerell, Ph.D., 1930, retired from Western Reserve University.

Anna Church Norris, Ph.D., 1931, retired from Helen Bush School, Seattle.

Bert E. Christensen, Ph.D., 1932, retired from Oregon State University, Corvallis.

Kirby E. Jackson, Ph.D., 1932, retired from University of Alabama.

Herbert K. McClain, Ph.D., 1933, retired from Procter and Gamble Research Laboratories, Cincinnati.

Bertram D. Thomas, Ph.D., 1933, retired as president of Battelle Institute, Columbus, Ohio.

Frank H. Conrad, Ph.D., 1934, retired from University of Missouri, Rolla, Mo.

Thomas R. Liston, Ph.D., 1934, retired from National Aniline Company.

Maynard M. Baldwin, Ph.D., 1935, retired from Battelle Institute.

Robert M. Reed, Ph.D., 1935, retired from C and I Girdler Co.

Alexander M. Partansky, Ph.D., 1936, retired from Dow Chemical Co., Walnut Creek, California.

Harold G. Houlton, Ph.D., 1937, retired from Ashland Oil Company.

Cecil A. Friedman, Ph.D., 1939, retired from National Aniline Company.

Charles H. Secoy, Ph.D., 1940, retired from Oak Ridge National Laboratory.

Richard Cadle, Ph.D., 1941, of the National Center for Atmospheric Research, Boulder, Colorado, was cited in *C & E News* April 20, 1970, (pp. 16-20) as "Chemical Innovator Number 3."

Allen Scott, Ph.D., 1942, professor of chemistry at Oregon State University, is on leave to spend the rest of this year in Israel. He spent the late spring and summer of 1970 in Japan and his sabbatical year of 1968-69 in Europe, Japan, and other places.

Ernest Wenkert, B.S., 1945; M.S., 1947; Ph.D., Harvard, 1951, received the Ernest Guenther award in the chemistry of essential oils and related products for 1970. He is professor of organic chemistry at Indiana University.

Harry Allen, Ph.D., 1952, is chairman of chemistry at Clark University. Irving Shain, Ph.D., 1952, is academic vice president of the University of Wisconsin.

Dale C. Burtner, Ph.D., 1954, is dean of arts and sciences at Fresno State College.

Theran D. Parsons, Ph.D., 1954, is acting dean, School of Science, Oregon State University.

Andrew F. Montana, Ph.D., 1957, is chairman of chemistry at Fullerton State College in California.

Richard P. Ciula, Ph.D., 1960, is chairman of chemistry at Fresno State College, California.

Bruce W. Brown, Ph.D., 1961, is assistant to the dean of faculties, Portland State University, Portland, Oregon.

Carl D. Good, Ph.D., 1962, was tragically killed in July, 1970, in an explosion in the plant where he was working near Seattle.

Wesley E. Lingren, Ph.D., 1963, is chairman of chemistry and director of the general honors program at Seattle Pacific College.

Clinton Duncan, Ph.D., 1964, is chairman of chemistry at Central Washington State College, Ellensburg.

Edited by Victorian Sivertz



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