

Badger chemist : a newsletter from the Department of Chemistry--University of Wisconsin--Madison. Newsletter 25 October 1978

University of Wisconsin--Madison. ; Dept. of Chemistry
Madison, Wisconsin: Dept. of Chemistry, University of Wisconsin,
October 1978

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BADGER CHEMIST

A Newsletter from the Department of Chemistry—University of Wisconsin—Madison

Newsletter 25

October 1978

HENRY AUGUST SCHUETTE

1885–1978

Death came to Professor Schuette just three weeks after his ninety-third birthday. He had lived an active and productive life up to the time that he suffered a stroke in 1970 which left him handicapped physically and forced him to spend his last years in Attic Angels Nursing Home where he died in his sleep on the morning of February 4. Although he had difficulty communicating verbally in his last years, his mind remained alert and he spent a great deal of time reading and listening to music. He enjoyed visits and letters from former colleagues and students and was always interested in news about the chemistry department. The high point of each year was seeing the new issue of *Badger Chemist*, and he was always pleased when he realized that his newsletter was surviving. His memory for names was phenomenal and recent issues were enriched by his practice of perusing the "People" section of CEN and marking names of Wisconsin graduates.

Dr. Schuette was a Badger through and through. Born in Green Bay, educated at the UW, and spending his active life in the service of *alma mater*, he reflected his loyalty to the state and the university. He was a mine of information about Wisconsin. He never left the state except for short intervals to attend meetings or for vacation trips. His fund of information about the university, was phenomenal. This extended to the state of Wisconsin as well; he was an expert on the history of Door County, and of Madison.

Born on January 11, 1885, the son of Frederick and Helen (Gieseler) Schuette, he grew up in an immigrant family in the German community of Green Bay. Father Frederick settled there about 1870 and was joined in 1874 by his own father, Joachim H. Schuette. Joachim had a profound influence on Henry during his childhood. The

grandfather was a schoolteacher and musician who sent his son to



America and soon followed because of his violent objections to Bismarck and his policies. Soon after coming to Green Bay, Joachim purchased a German-language newspaper, the *Green Bay Volks Zeitung*. The paper was not a financial success but during the several years that it was published the editor became a cultural and intellectual force in the community. At that point, Joachim began serious botanical activity and undertook the collection of all plant species found in northeastern Wisconsin. At the time of his death in 1908, Joachim Schuette's herbarium was sold to the Field Museum for about \$1000 and used as an exchange collection. Three species new to science, an oak, a hawthorne, and a wild rose were later named for the collector.

Grandson Henry accompanied his grandfather on many collecting
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Overview—1978

All those connected with the university have heard, at one time or another, severe criticism of the student body and, in particular, criticism of the admission of so many students who are not residents of the state. A recent economic impact study reveals that Madison would be a vastly different city without its university.

Recent studies show that direct expenditures by the university community feed more than \$300 million annually into the local economy and add an indirect dollar flow for goods and services totaling \$381 million. Direct beneficiaries are food stores and restaurants, automobile sales and service, general merchandise and other retail stores, financial institutions, insurance, real estate, transportation, communication, and utilities. The study showed further that students, faculty, and employees of the university and their families make up 37 per cent of Madison's total population and their expenditures account for 17 per cent of Madison's net cash income.

University research has had substantial economic impact on about 25 industries and commercial labs in the area, with about half being established because of specific university research achievements or resources. Another 20 industries were found to have substantial economic benefits deriving from UW research contracts related to process and product improvement.

Another recent study identified about 300 faculty members providing advisory services to government agencies and commissions—a continuation of the Wisconsin Idea associated with the Van Hise presidency early in the century. For example, law professor Shirley Abrahamson recently became the first woman justice of the state Supreme Court, economist Charles Cichetti is chairman of the Public Service Commission, political scientist Matt Holden is serving on the Federal Energy Regulatory Commission, and law professor
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BADGER CHEMIST

Published by the Department of Chemistry of the University of Wisconsin, Madison, with the financial assistance of its faculty, alumni and friends.

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THE EDITOR'S COLUMN

Financial Report

The Editor is still at large—but just barely. Alumni response to last year's plea for funds was fairly good, but not good enough. Faculty helped, but not enough, so Chairman Dennis Evans rescued him at the eleventh hour with \$325 drawn from some mysterious fund not supplied by the University but evidently available to avert a horrible crisis.

In order to avoid a repetition of the Panic of '78, can more of you help out by digging a little deeper? Life will be much more serene for the Editor if he can concentrate on editing rather than fund raising. Last year was too close for comfort!

As has been said before, if everyone sent in a buck every year (and some news!) there would be no problem. Since everyone doesn't, we sure appreciate those fives and tens, and jump for joy when a check for \$25 falls out. Many thanks. A.J.I.

The Address Problem

Since utilizing the Alumni Records address printout two years ago the distribution of BC to Alumni has been much simplified. The switch to third class mail has also saved much postage.

These changes have not been made without creating new prob-

Overview . . .

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Frank Tuerkheimer served on the special Watergate prosecution team.

University Faculty

The university faculty now has about 2400 professors, backed up by about 300 lecturers and 800 collateral faculty (visiting, adjunct, specialists, clinical, joint) who aid in teaching the 39,000 students and carry on the research programs. The range of studies includes 152 undergrad majors, 183 master's degree programs, 129 PhD programs, and programs leading to the doctorate in medicine and law. There are 11 colleges or schools headed by deans.

Thirty-one faculty members are presently members of the National Academy of Sciences, including chemistry professors J. W. Williams (elected 1952), Joseph Hirschfelder ('53), and John Ferry ('59). Deceased faculty who were members are Homer Adkins ('42), Farrington Daniels ('47), and S. M. McElvain ('49). Professors elected

lems, however. Undelivered pieces are no longer returned to us so we have no feedback on changed addresses except when you notify us or the Alumni Association. Further, when you move the postal service does not forward the newsletter but discards it without notice to us. In such cases, we continue sending BC in successive years but it fails to reach you. For these reasons, it is important that we have a current address. You can help by passing this information on to Badger Chemists who tell you they do not receive the newsletter.

Because of uncertainty about whether BC reaches you, we plan in the future, to initiate a policy of removing a name from the mailing list when we have had no contact from you over a 5-year period. "Contact" does not necessarily mean a financial contribution (though that is always nice), but news about yourself, or a notice of address change, or a note saying we're doing a (good, lousy) job, or any other evidence that you exist. Addresses are very frequently lost in the early years after graduation when residences are changed frequently. Please help us keep BC coming to you. A.J.I.

while at Wisconsin are W. S. Johnson ('52), at Stanford since '60; R. A. Alberty, PhD '47, ('65), at MIT since '67; and Richard Bernstein ('68) who went to Texas in '73 and is now at Columbia. Former faculty members elected after leaving Wisconsin are Jerome Berson at Yale; Richard Holm at Stanford; John Margrave at Rice; and Eugene Van Tamelen at Stanford.

The university has about 80 separate endowed or named professorships supported by private gifts, trusts, state or federal funds, or a combination thereof. Such professorships are awarded to gifted and distinguished scholars enabling them to pursue research in special areas, to continue teaching, to obtain support for staff assistance, or to use a lifetime career appointment as a secure base for varied educational, research, or public service activities. Named professorships in the chemistry department are the following: Lawrence F. Dahl, Robert E. Rundle Professor (a new appointment—see article); John D. Ferry, Farrington Daniels Professor; Harlan L. Goering, Samuel M. McElvain Professor; Joseph O. Hirschfelder, Homer Adkins Professor; John E. Willard, Vilas Research Professor; and Howard E. Zimmerman, Arthur C. Cope Professor.

Special distinction in teaching has been recognized since 1953 when Kiekhofer Memorial Fund was established in honor of the renowned economics professor, 'Wild Bill' Kiekhofer. Later, the Emil Steiger Award, the Amoco Awards, and the Chancellor's Awards were set up to further honor excellence in teaching. At this time, more than 80 professors from 40 departments have been recognized. Professors in the chemistry department who have received such awards are: John L. Margrave, Kiekhofer Award in '54; Richard F. Fenske, Steiger Award in '67; Robert C. West, Amoco Award in '74; Bassam Shakhshiri, Kiekhofer Award in '77; and Aaron J. Ihde, Chancellor's Award in '78.

The UW graduate faculty has been rated (1971) in an American Council on Education survey as "distinguished" or "strong" in 30 basic departments and "good" or "adequate" in six others; on a comparative basis, UW-Madison was fourth to California-Berkeley, Michigan, and Harvard. Of 38 schools ranked in chemistry, Wisconsin was in an 8th place tie with

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This 'n' That About Our Alumni

Editor's note: This 'n' That was a one-page item in the first number of *Badger Chemist* sent out in 1953. Letters from readers proved to Dr. Schuette that alumni were eager for news about classmates and he expanded the section substantially with news items they sent in about themselves. This 'n' That became a major part of each newsletter through the next 23 issues and it has been, without question, the most popular part of BC. It will continue to have major emphasis as long as Badger Chemists continue to supply the news.

With this number we shall introduce a major innovation and make a confession. First, the confession: for several years we have been including news about postdocs even when they do not hold a UW degree. We find that many of our postdocs develop an attachment to

the department and appreciate being included on the mailing list. We plan to continue covering their future activities as much as possible. This 'n' That has also included items about others on occasion—longtime members of the secretarial and support staff, former faculty, and good friends of the department, such as Karl Paul Link. We shall continue to interpret 'Alumni' broadly.

Now the innovation. In recent years we have carefully alphabetized the This 'n' That entries. Since the present editor is not a well-organized individual, the manuscript preparation period is a chaotic one when tidbits of news turn up at the last moments, when he finds choice items filed in the damndest places—or more frequently mislaid in that horrible mess that always covers his desk. (While Ihde picked up many good habits from Dr. Schuette, tidiness was not one of them!) Therefore, beginning with this issue, there will be two sections of This 'n' That. The first one, constituting the major portion, will have entries properly alphabetized. The second, identified as 'This 'n' That—2,' will be made up of late entries and will be placed near the end of the newsletter. This will save hours of editorial time with scissors and scotch tape, but will force you to look in two places for a particular name.

Arthur Clinton Andrews, BA '24, PhD '38, reports enjoying the *Badger Chemist* even though familiar names are rare since he is "of a far back generation." At the time of writing he was enjoying a visit from son Frank and his wife and two daughters. Frank, who was a member of the UW faculty (1964–67), is a member of the faculty of U of California–Santa Cruz.



Clyde Aldridge, PhD '52, has been named a Senior Advisor with Exxon Research and Engineering Laboratories in Baton Rouge. The title of Advisor is the

highest title that Exxon awards under its Technical Recognition Program. Only 21 persons out of approximately 1,400 professional employees hold such titles.

Ronald S. Allan, BS '71, now resides at 21-5A Mt. Pleasant Vill, Morris Plains, NJ. He sent no news about his activities.

James L. Anderson, PhD '74, is now Assistant Professor of Chemistry at North Dakota State U at Fargo. He had been at Ohio State since receiving his doctorate.

M. H. Aprison, BS '45, (PhD '52 Biochem) was recently named Distinguished Professor of Psychiatry and Biochemistry at the 1978 Indiana University Founder's Day celebration in Bloomington. He also received the Gold Medal Award from the Society of Biological Psychiatry. On June 30, he completed a term as Director of the Institute of Psychiatric Research at the Indiana School of Medicine.

Gilbert H. Ayres, PhD '30, is now Professor Emeritus at the U of Texas at Austin. His home address is 3307 Perry Lane, Austin.

George C. Bailey, BS '09, sent a long letter giving impressions of his student days at Wisconsin including information on Professors Kahlenberg, Lenher and Kremers.

Grant Bailey, BS '32, (PhD '38 Iowa) reports in connection with the lead article on the machine shop crew, that Karl Baumann was in the shop as early as 1931. He remembers taking motorcycle trips together. Grant retired from his research position in the Phillips Petroleum Company in December 1975 but keeps busy as ever with other activities.

Clayton L. Baldwin, Jr., MA '40, wrote on December 7 asking to be remembered to Professor Schuette. Clayton reports pleasant memories of the Food Laboratory and the University as a whole. He is associated with the Sunkist Growers Laboratory in Corona, CA.

Robert L. Baldwin, BA '50, sends best wishes for the *Badger Chemist* from Stanford.

Debra Berg, MS '77, did her work with Professor Treichel in inorganic.

James Black, MS '77, was also a student of Professor Treichel.

Karen Ziege Bartelt, BS '71, is now affiliated with the U of Minnesota.
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Chicago, Columbia, and Cornell, being preceded by Harvard (1), Cal-Tech (2), Berkeley and Stanford (each 3), MIT (5), Illinois (6), and UCLA (7). (Wisconsin biochemistry ranked 5th of 32, chemical engineering was 1st of 17.)

Research

In 1977–78, the university devoted over \$91.5 million to organized research. More than 62 per cent of this came from federal sources, the rest came from private gifts, endowments, and state sources.

Since 1928, the Wisconsin Alumni Research Foundation has given the university over \$80 million. A friend of the university but independent of faculty or regent control, WARF aids the university research program by grants made from income acquired by management of patents, investments, and gifts. WARF now gives the Graduate School more than \$4 million each year. These funds are allocated by the Grad School's Research Committee made up of 30 faculty members. They review 500 to 1000 annual requests from faculty members and fund about half. During its history WARF has funded over 13,000 research projects. WARF grants were uniquely significant during its early years when it was able to support faculty and students during the depression years of the thirties.

Dr. Schuette . . .

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trips. He later recalled "Some of my happiest days were spent in a wood-decked dugout canoe fitted with outriggers, exploring the rivers and streams of the Green Bay region. Never have I seen anyone with my grandfather's enthusiasm for botanical collecting. But he had no idea how tired a boy gets in a day's canoeing and tramping the forests."

The Schuette family was tightly knit. Father Frederick was a book salesman whose work kept him on the road a great deal. Consequently the mother, who had been a governess in an English family before emigrating to Green Bay, and grandfather Joachim, were largely responsible for bringing up the family of five children (twins Marie and Henry, twins Amanda and Frederick, Jr., and Sybil). The three younger children remained in Green Bay where Fred became vice-president of a local bank and Sybil was the local librarian. Marie became a dean of women on the west coast and later in New York.

Life was spartan in many ways. Saturdays were spent at the German Lutheran School receiving instruction in the German language. This was a factor in directing Henry toward chemistry since it made it possible for him to substitute other courses for language when he entered high school in Green Bay—one of these was chemistry, which proved to be a favorite. He decided that here was the base for a career. However, the family was not financially able to send him to college. He became a rural schoolteacher for four years, first in the town of Glenmore, then in Allouez (at a starting salary of \$35/mo.; a final salary of a magnificent \$60/mo.). In the fall of 1906 he enrolled in the newly created Chemistry Course in Madison. By part-time jobs he was successful in financing four years at the university and graduated in 1910 with the second class receiving degrees in the ChC. His senior thesis was done in organic chemistry under Professor Frederic Koelker.

Henry Schuette was given a teaching assistantship upon graduation so continued at Wisconsin for higher degrees. Since Koelker was in poor health at that time, Professor Richard Fischer of the

pharmacy school took over the teaching duties in organic chemistry. When Koelker died in 1911, Fischer was transferred permanently to the chemistry department and became Schuette's major professor.

Since Fischer was also State Chemist at the time, he soon placed heavy teaching responsibilities on Schuette's shoulders and in 1914, two years after completing his M.S., he was made Instructor in Chemistry. He became responsible for the courses on the analytical side of organic chemistry while Fischer, whose special interests were in alkaloids and other natural products, concentrated on the introductory and synthetic side of organic. Schuette completed his Ph.D. in 1916, presenting a thesis dealing with the chemical composition of the plankton of Lake Mendota. He was promoted to Assistant Professor in 1918; he taught in the chemistry department without a break until his retirement as Emeritus Professor in 1955.

During these 41 years he was responsible for the program of quantitative organic analysis, food analysis, and water analysis. During the World War I years, when Professor Lenher was away on gas warfare work, Schuette was also responsible for the courses in quantitative analysis, gas analysis, and the analysis of iron and steel. In addition to civilian students in his classes, he was responsible for the instruction of 82 S.A.T.C. students who were in uniform but assigned to the university for special instruction. Instructional hours in the fall semester of 1918 totalled 33 per week, not counting conferences and office hours!

Food Chemistry

Dr. Schuette is best remembered for his work in food chemistry, particularly his research on fatty oils and on honey. Although he taught a course in food analysis from 1914, it was only in the twenties that his research began to focus on that area. His graduate work had dealt with composition of plankton and publication in this area appeared as late as 1929. By 1926, however, he was publishing work dealing with modification of analytical methods used in food analysis. From this time onward his papers focused almost entirely on food composition and analysis. He was particularly interested in purity of foods and the nature

and detection of adulterants (four decades before Ralph Nader!). In addition to his research publications he undertook a series of popular lectures over the state radio station WHA dealing with the identity of foods. Some of these lectures were expanded into a series of "Know your foods" articles published in *Journal of Chemical Education*.

By 1930 his interest in the composition of honey had become firm and there were usually several students in the food laboratory working on honey, particularly the pigments, vitamins, and minerals. His interest in fatty oils was also emerging at that time and more and more of his students were involved in fatty oil studies. In the early years, research was directed toward methods of analysis but this soon gave way to studies of the fatty acid and unsaponifiable components of little-studied oils. The research on the oils of Brazil nuts, rye germ, filbert, coffee bean, elm seed, elderberry, hackberry, alfalfa seed, fenugreek seed, highbush cranberry, and elderberry seed was pioneering work which shed light on the lipid composition of plant seeds.

Phase studies dealing with solidification point curves of binary fatty acid mixtures carried out with Henry Vogel, PhD '41, and extended by others, introduced a new and precise method for determining fatty acid composition of oils. The method never saw extensive use outside the Wisconsin laboratory since vapor phase chromatography became applicable to separation and analysis of fatty esters immediately after the binary solidification curves had been developed, thus providing a simpler approach to the problem. In fact, Dr. Schuette and his students, particularly the late Stephen Dal Nogare, PhD '47, were involved in the application of vapor phase chromatography to fatty acid analysis.

Important spinoff of the fatty oil studies led to the synthesis of more than a score of saturated fatty acids and their alcohol analogues for use in making the solidification point curves, at times by using unique approaches for extending fatty acid chains. These acids were prepared in a state of unusual purity. Samples are still being supplied to investigators needing such acids in good purity.

During his career, Dr. Schuette was the author or coauthor of

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Dr. Schuette . . .

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more than 150 papers. He was the major professor of 34 PhD's. The first, Ellery H. Harvey, '26, studied the reaction of sulfur monochloride on fatty oils; the last Sirhatti V. Rao, '58, synthesized branched-chain fatty acids. The great majority went on to careers in industry. He also directed the masters research of 85 students and supervised an uncounted number of bachelors' theses. As a research director he was low-key. His students found him generally available when they needed help but he was not prone to breathe down their backs. Students were given a great deal of freedom in developing their work along lines they considered interesting and significant. When they came to writing their dissertations, however, they found him exceedingly demanding. Clarity of expression and good grammatical form were imperative. Generally, there were some ruffled feelings at the time—later there

was gratitude that good writing was demanded.

The Classroom

Except for the World War I years, Dr. Schuette's classes were in a sufficiently specialized field that enrollments were small (though in later years his course in "Foods and their Adulterations" frequently had more than 40). He soon knew most students personally since he also had most of them in the laboratory. His lectures were not spectacular but were well-organized and clearly delivered. His laboratory experiments were well-coordinated with the lecture material. He was empirical rather than theoretical in his emphasis.

His Foods and Sanitation option in the Chemistry Course was a popular one. Since he was the only professor in this field he was always responsible for a number of senior thesis students. He generally developed a close personal friendship for these students, many of whom found him helpful in getting their first job after graduation.



DEPARTMENTAL REPRINT COLLECTION

In 1957 Dr. Schuette completed a longtime project—that of assembling a collection of reprints published by departmental faculty members and their collaborators. He is shown with the 36 volumes bound at that time. The first paper is by Prof. Ezra S. Carr in 1856. The first volume covers many years; the most recent ones include papers for only a single year. Many of the early papers were unavailable in reprint, but Dr. Schuette had photostatic copies made in order to have a complete collection. At the end of 1957 the reprint collection contained 2062 titles.

The collection has been systematically continued since 1957 by our departmental librarians, currently Kenneth Rouse. Recent annual volumes are so large as to be very unwieldy. The collection is shelved in an anteroom of the Chemistry Library.

Professional Activities

Responsible activities in his profession was a way of life with Henry Schuette. The American Chemical Society attracted his attention early in his career and in 1927 he was Chairman of the Wisconsin Section. For many years he served as Editor of the Section and provided news items for publication in the *Chemical Bulletin*, the vehicle of the Chicago Section which included news about the Wisconsin and other affiliated sections. He was actively involved in the Division of Agricultural and Food Chemistry of the ACS and served as Secretary in 1928–30 and was Chairman in 1932–33. His ACS papers were usually presented before this division.

In 1934 he was invited to present a paper before the American Oil Chemists Society; in 1940 he was elected President of the Society—the first non-industrial chemist to hold that office. He served on the Council of that society for many years and a number of his students later took a leading role in the society.

The Wisconsin Academy of Sciences, Arts, and Letters held a special place in his professional activities. Its *Transactions* published his first paper in 1918 and continued as a favorite vehicle over the years. He served as Secretary in 1933–36 and as President in 1944–46 and was thereafter a member of the Council. He was deeply involved in creation of the Junior Academy of Science and was active for many years in building the Academy into a viable organization.

Historian and Editor

Professor Schuette had a deep interest in history—American history in general, Wisconsin history in particular. He never lost his interest in Green Bay and Door County even though he spent no extended periods of time there after 1906. He spent more than seventy years in Madison and loved the city and the university.

He was also very knowledgeable on history of foods and food laws. Harvey W. Wiley, chief chemist of the U.S. Department of Agriculture when the first federal food and drug act was passed, was a particular idol of his. He also liked to refer to Frederick Accum, chemist in Britain in 1820 when he published *Death in the Pot*, an ex-

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NEWS ABOUT OUR FACULTY

Paul Bender has announced plans for early retirement in January 1979. We will have a profile of him in the next BC. His talents in instrumentation will be sorely missed.

Walter J. Blaedel has had response to his request for information about the whereabouts of historic analytical balances and thanks those who have been in touch with him. He is now hoping to initiate a broader program for rehabilitation and preservation of historic instruments. He is starting with the early Heyrovsky polarograph acquired by the department

almost 50 years ago. Wally is also engaged in a project to get the carcinogens (from steam plant condensate) out of the department's distilled water.

Phillip R. Certain was one of four UW-Madison professors to receive a Guggenheim Research Fellowship last spring. He will work at Cambridge Univer-



sity on electronic structures of molecules in 1978-79 under the Mutual Educational and Exchange Program.

Charles Casey has been named a Romnes Fellow.

Charles F. Curtiss, PhD '48, is coauthor, with Robert C. Armstrong and R. Byron Bird, PhD '50, of *Dynamics of Polymeric Liquids*, published in 1977 in two volumes (1. Fluid Mechanics, 2. Kinetic Theory). Both Bird and Curtiss studied under Joe Hirschfelder in the Theoretical Chemistry Institute. Bird is in the Chemical Engineering faculty.

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Dr. Schuette . . .

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pose of British food adulteration.

At the time of his retirement Dr. Schuette agreed to prepare a history of the chemistry department. For a number of years he assembled information about faculty and graduates but put off writing in order to clarify still more details. His stroke in 1970 prevented his bringing the project to completion. His materials are being used by Professor Ihde toward the projected centennial history which will be dedicated to Professor Schuette.

Unquestionably, an important reason why Dr. Schuette never wrote the departmental history was his distraction by the departmental newsletter, *Badger Chemist*. When Farrington Daniels became chairman of the department in 1952 he felt that departmental contact with alumni should be improved. Henry Schuette, who had known the department since 1906, agreed and was willing to undertake preparation of such an alumni letter.

In order to send out something better than a mimeographed letter, Dr. Daniels provided \$100 to have it printed with a faculty picture. It was never intended to be an ongoing newsletter but was looked upon as a one-shot venture—except that in his letter to the alumni on pages 1-2 Daniels tentatively suggested that there might be interest in an association of departmental alumni and asked for suggestions regarding implementation. He asked further whether there was interest in a newsletter as a "regular affair."

The response was overwhelming. Alumni not only wanted a regular newsletter—they volunteered \$288 in contributions to make issue No. 2 possible in summer of 1954. They have been continuing to support the *Badger Chemist* ever since, as shown by the fact that this one is No. 25. Dr. Schuette found himself deeply involved in preparation of an annual issue and worrying about financing it. He gave a substantial amount of his time to the *Badger Chemist* after retirement in 1955, an activity which slacked off only slightly after he persuaded Emory Fisher to become editor in 1965. Schuette contributed articles to the newsletter until 1970 when he suffered his stroke.

The *Badger Chemist* was close to his heart and he felt a personal bond to alumni who sent in news, even when he had never known them as students. In years when contributions were poor he even bolstered the exchequer by selling runs of his chemical journals in order to help cover printing and mailing expenses. He always worried about continuance of BC. In July 1977 his face beamed when Professor Ihde informed him during a visit, "I'm starting to write up material for the next *Badger Chemist*." He lived to see that number. This one is in his memory.

Husband and Father

Henry Schuette grew up in a warm, close-knit family and he in turn, created another such family. He was married in 1918 to Jean Fyfe Frederickson, a 1914 graduate of the University who served for several years as librarian in University Extension. She was a Madison girl, the daughter of a lumberman and building contractor. After marriage, she became

active in the Council for Better Broadcasting and in Attic Angels.

The Schuettes had a daughter and two sons, all of whom attended the university. Helene is the wife of F. Chandler Young, a Wisconsin PhD in psychology who is presently Associate Dean of the College of Letters and Science. Sons John and Henry are graduates of the College of Engineering. John is now President of Cartridge Pack, an affiliate of Dow Chemical and Oscar Mayer, in Bettendorf, Iowa. Henry operates a water-softening franchise in Del Mar, California.

The Schuettes lived, after 1928, in a beautiful home built on the top of Maple Bluff, overlooking Lake Mendota (719 Farwell Drive). Mrs. Schuette continues to live there. Many *Badger Chemists* remember the graciousness of Mr. and Mrs. Schuette when they served as hosts to departmental teas for faculty and graduate students. (These teas have outgrown faculty homes and are now held in the Alumni Room on the ninth floor of the Chemistry Building.)

Gardening was, along with stamp collecting, a special hobby of Dr. Schuette. He took great pride in the well-kept lawn, trees, and bushes around his home and particularly enjoyed working in his flower beds. He had, despite a reserved manner, a great enthusiasm for life. He enjoyed music—he and Mrs. Schuette were in regular attendance at the Union Concert Series up until recent years. He enjoyed a good joke, even one a bit off-color, (but never vulgar). He loved words and prided himself in their use. He particularly enjoyed helping others gain an understanding of chemistry, of history, and of literature.

Faculty . . .

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Lawrence F. Dahl was ACS speaker last March before Arkansas and Kansas sections. His subjects: Stereochemical and bonding principles in organometallic systems; and Symmetry and its importance in art and science. Larry finds great inspiration in the graphic art of Maurits Cornelius Escher (1898-1972).

Olive Daniels, widow of the late Professor Farrington Daniels, recently completed her biography of Dr. Daniels. She has had a limited number of copies reproduced for circulation among family, colleagues and students.

John D. Ferry spent 3 weeks in Japan in September '77 to give an invited paper at the IUPAC congress in Tokyo and lectures at several Japanese universities. In October he participated at a US-Japan joint seminar on elastomers at the U of Akron. He also gave invited lectures at the universities of Minnesota, Michigan, Arizona, and at Kent State, as well as participating in two Gordon Research Conferences.

Joseph O. Hirschfelder received an honorary D.Sc. at Marquette's commencement in May '77. He continues to spend each winter term at U of California-Santa Barbara. In summer '78 he gave invited talks at the Midwest Theoretical Conference at Battelle Inst.; at the Theoretical Chem. Symposium at U of Colorado; and the Gordon Conference on Atomic and Molecular Interactions in Wolfesboro, NH. Professional trips to Göttingen and Tokyo are scheduled during the next year.

Emeritus Prof. **M. L. Holt**, PhD '30, skied in Sun Valley in January, Aspen in February, and Upper Michigan in March. He is versatile, doing both downhill and cross-country—the latter with Gretchen. (Do you ever try any of those jumps? Ed.) On Sept. 3 he left for Scotland to play golf, including a round on St. Andrews. Gretchen plans to see sights and shop.

Aaron J. Ihde had the pleasure, on May 1, of receiving the Chancellor's Award for Distinguished Teaching from the hands of his old friend and longtime colleague, Chancellor **Irving Shain**. Ihde gave ACS lectures last November to several sections on the Chisholm Circuit.

Edwin M. Larsen, BS '37, was a

participant in the 15th E. C. Britton Symposium held by the Midlands Section for the purpose of strengthening industrial-academic relations. His host was **Antony Wright**, PhD '73, of Dow Corning. Two program speakers were **James J. Leddy**, PhD '55, of Dow, and **Ron Baney**, PhD '60, of Dow Corning. Ed further reports that on May 28 he and Katie had brunch with **Pei Wang**, PhD '52, whose son Leo was graduating from the Law School that afternoon. By coincidence, Leo was TA in legal writing class taken by the Larsen's son Bob. Pei is with Texas Instruments.

Emeritus Professor **V. W. Meloeche**, PhD '25, gives every evidence of enjoying life when he appears at the Chem Bldg. He has a wonderful memory for Badger Chemists who send greetings.

Stephen F. Nelsen reported fully on his recent graduates but gave no news about his own activities.

Marion O'Leary was promoted to full professor in June '78. He spent last year on a sabbatical in order to extend his research on isotope effects with enzymes to new types of enzymes, particularly carboxylases. A recent interest in plant biochemistry has led to studies on the early stages of carbon fixation in photosynthesis.

In addition to his research, Marion has been deeply involved during the last 4 years in a tutorial program for minority and disadvantaged students in chemistry. He obtained funds after his Equal Opportunity nursing students in Chem 108 did poorly in 1974. The tutorial program has been expanded extensively and is coordinated by **Elizabeth Kean**, PhD '74. It operates independently of the Chem Dept but services students in departmental courses numbered 103 and 108 (equivalent to the former 1a known to older Badger Chemists).

Thomas Record and his wife are very proud of their daughter Sara who won a trip to Washington as a participant in the 51st National Spelling Bee. Sara, a student at Cherokee Middle School, defeated 48 Madison spellers to become the city's champion speller in the annual contest sponsored by the Wisconsin State Journal in April. In May she became champion of the Badger Spelling Bee by outspelling 43 opponents from around the state. Although not a winner in Washington, she and her mother had an exciting trip with visits to the White House, the Smithsonian, the

National Gallery of Art, and a tour of historic sites.

Hans J. Reich is on leave in fall '78 as visiting professor at Philipps Universität in Marburg, Germany. He gave talks this year at the Selenium-Silicon Symposium at the MARM meeting of the ACS and at the Organometallic Gordon Research Conference.

John Schrag has had numerous visitors, some international, to view his new approach to the characterization of polymers and the potentially new method for characterizing polymer oils for use in engines.

Bassam Shakhshiri is chairman of the UW System Teaching Improvement Council. His success with the Teaching Information Processing System (TIPS) in frosh chemistry led to a Madison Faculty Workshop at the Academic Computing Center last October. TIPS is a system which furnishes instructors with weekly diagnoses and evaluations of their instructional program, based on multiple-choice questions answered during the last 10 minutes of a classroom meeting.

Emeritus Professor **C. Harvey Sorum**, PhD '27, plays tennis daily. He also gardens, cans, plays horse-shoe, lawn bowls, and, he says, "Enjoys life in retirement," at age 79. A granddaughter enters Harvard this fall. Son Paul is a 3rd year medical student at U of North Carolina after forsaking a history career.

Odell Taliaferro, BS '33, now retired from his longtime position as lecture demonstrator in the department, was caught in a rare moment of speechlessness when asked for news about himself. He recovered sufficiently to utter greetings to his many old friends. Bill Weber, his immediate successor, is no longer in the prep room. Those duties are now in the hands of **Fred Juergens** with the able assistance of **Vince Genna** who was associated with Tally for a number of years. Juergens has a chemistry BA from DePauw in '60, a Masters in science ed from Johns Hopkins in '61 and is working toward the PhD in science ed at the UW. He has taught high school chemistry in Wilton, CT and Racine, WI, and had industrial experience with Corning Glass and Johnson Wax.

James Taylor has had a busy spring and summer with five of his students taking their PhD orals between July 10 and August 7. Jim reports that this year the Ana-

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Faculty . . .

(Continued from page 7)

lytical Division will have 16 PhD completions, all with jobs and most with choices.

Barry Trost was Friedman Lecturer at Rutgers in February, Drinkwater Lecturer at Loyola (Chicago) in April, and plenary lecturer at an NIH Pharmacology-Toxicology Workshop last November, as well as a number of other ACS and industrial lectures.

John Walters is presenting a paper this summer at the Gordon Research Conference.

After spending the spring semester as visiting professor on the redwood-forested campus of the University of California-Santa Cruz, **Robert West** returned to Madison and to a new home in the University Hill Farms area. He continues to have a busy schedule of outside lecturing; during 1977 he presented a total of 20 invited lectures at other institutions, and this year was instrumental in getting a bill banning phosphates in detergents passed by the Wisconsin legislature.

John Willard will be retiring in June '79 but we predict that this will slow down his research program very little. Next year's BC will carry a retirement profile.

Emeritus Professor J. W. Williams is an almost daily visitor to the department where he keeps various projects active. He has been spending his winters in Pasadena. He has enjoyed encounters with Badger Chemists of earlier years when they visit the department.

John Wright was promoted this summer to associate professor. His research on probe ion luminescence and selective laser spectroscopy was reported at ACS meetings at Anaheim and Indianapolis, and recently at the Gordon Research Conference.

Hyuk Yu presented 2 papers at the 7th International Liquid Crystal Congress at Bordeaux this summer. He also visited laboratories in Strasbourg, Brest, Saclay, and Gif-sur-yvette where he gave lectures and conferred with French investigators on small angle neutron scattering in polymer networks. We are pleased to report Hyuk's promotion to full professor this summer.

Howard Zimmerman was recently listed as one of the "250 Most Cited Authors" by the Insti-

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sota as a teaching specialist, working half time in quant and general chemistry. Her husband recently completed his MS in entomology and continues at Minnesota for the PhD. Karen sends greetings to Dr. Ferry whom she saw at a seminar recently but was unable to say hello.

Benny L. Beck, BS '53, PhD '57, is Senior Staff Chemist in the Exxon Chemicals Laboratory at Baytown, TX.

Julianne E. Berry, PhD '78, reported failure to receive the last two issues of *Badger Chemist* following Professor Berry's move to Allied Chemical in Morristown, NJ. The oversight has been rectified. We congratulate Julie on the successful completion of her PhD oral last February.

Toby F. Block, PhD '76, is Assistant Professor of Chemistry at UW-Stevens Point. She wrote recently for addresses for **Mary Jane Oestmann**, PhD '54, and **Martha Stamper**, PhD '52.

Robert B. Blodgett, PhD '40, is Chief Engineer for Power Cable Division of the Anaconda Company.

Steven J. Borchert, BS '72, received his PhD in Physical Chemistry at Harvard in 1977. He is now with the Upjohn Company in Kalamazoo, MI.

Nila Bremer, MS '75, was a Faculty Assistant at UW-Oshkosh for two years. She is now with the Portage Plant of the Appleton Papers Company where she is working on capsule problems associated with the production of carbonless carbon paper. She reports pleasure in being back in a small town.

Wilbur B. Bridgman, PhD '37, enjoyed the tribute to the shop crew in the last issue. Lee Henke and Karl Baumann were the shop crew in his day. He reports receiv-

ture of Scientific Information. He is co-chairman of the Organic Division of the InterAmerican Photochemistry Society and is involved in developing a symposium on organic photochemistry co-sponsored by the IAPS, the ACS, and the Japanese Chemical Society—to be held at the ACS meeting in Honolulu in Spring, 1979. Howard has just returned from Belgium where he participated in the 7th IUPAC Symposium on photochemistry. Earlier in the year he gave lectures at several universities.

ing valuable training from them at Wisconsin. Wilbur reports being scheduled for retirement from Wooster Polytech in 1978.

Fred Browne, PhD '20, reports "The This 'n' That column always reminds us of our negligence in allowing ourselves to lose contact with so many old friends during our busier days before retirement."

Walter Brummund, Jr., PhD '73, is enrolled in Medical School at U of Penn where he also works in the Clinical Chemistry Laboratory of the University Hospital. Last summer he was on an expedition on the Rio Marañon, a tributary of the Amazon River in Peru.

Clifford Burg, BS '37, and his wife Laura have now settled in Appleton, WI at 1625 E. Glendale from their former residence in Whittier, CA. Cliff finds the hunting and fishing more easily accessible than they were in California. Laura, who was a departmental secretary in the 30's has supplied the editor with a group photo of the chemistry faculty and graduate students with all names identified. We hope to have the picture in the forthcoming history of the department.

Warren F. Busse, PhD '27, was reported having returned to teaching and consulting in high polymers by **Willard F. Spengeman**. Warren's address is 803 Greenwood Dr., Wilmington, DE.

Albert S. Carter, PhD '27, reports that after 15 years of retirement from Du Pont his life is still unexciting but happy and without complaint. Albert lives at 5550 Bayview Dr., Fort Lauderdale, FL.

Roger M. Christenson, PhD '44, has supplied the editor with extensive information on some of Dr. Schuette's graduate students and their present whereabouts. Roger is Associate Director of Research with PPG Industries in Allison Park, PA.

Flora Chow, PhD '78, is a postdoc at U of Colorado. She completed her doctorate with Professor Reich in organic.

Ralph Connor, PhD '32, was in touch following receipt of *Badger Chemist* No. 24 and reported that since January his address is P.O. Box 1975, Sun City, AZ. Ralph will be remembered as a longtime officer with Rohm & Haas.

Milford A. Crowley, PhD '33, wrote following Dr. Schuette's death, "Dr. Schuette had a great influence for good on those who

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This 'n' That . . .

(Continued from page 8)

worked under his direction. I have held him in high regard for his integrity, for his scholarship, for his continuing interest in the people who were involved in the University of Wisconsin Department of Chemistry and for personal things such as opening to me vistas in chemistry of which I was unaware and teaching me better to use the English language." Milford is now retired from his professorship at UW-La Crosse and continues to live in that city.

Robert DeKosky, PhD '72, is now with the History Department at the U of Kansas in Lawrence. He was formerly at UW-Milwaukee and interspersed a research leave in England between the move.

Richard De Mars, BS '55, PhD '59, continues his work with Continental Oil Company in Ponca City, OK.

David J. De Master, BS '73, completed an MS in geochemistry at Yale in '75 and is now working there for his doctorate in marine geochemistry and radiochemistry.

Al Denio, Visiting Faculty, '69-'70, is spending the coming year at U of Delaware as Visiting Lecturer.

Edgar A. Dieman, MS '33, sent a Merry Christmas from California, but no news about his activities.

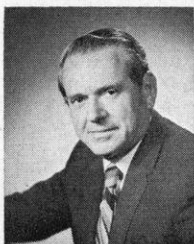
Robert C. Doban, PhD '52, is Vice President for Science and Technology at Owens/Corning Fiberglass in Toledo, OH. Upon finishing his degree at Wisconsin he spent 22 years with DuPont in the Plastics Department. He spent some further time there as Venture Manager for the Du Pont Automatic Clinical Analyzer during which time he worked closely with **Don Johnson**, PhD '54, one of the inventors of this very successful device. The next several years were spent as Director of Exploratory Research for the Photo Products Department. He went to his present position with Owens/Corning in 1974.

Jeanne Domoradzki, MS '73, is now in Midland, MI according to Professor Willard.

Eleanor Pennington Dunn, BA '29, sent a long post-Christmas note about the activities of her family and extended her regards to Professor Schuette.

Bryant R. Dunshee, MS '49, and his wife **Marilyn (Hayes)**, one time TA), sent an update of their ac-

D'IANNI CANDIDATE FOR ACS PRESIDENT-ELECT



to be sent to all members later this year. If elected, Jim will be the fourth Badger Chemist to hold the presidency of the Society, the others being: Farrington Daniels in '53; Arthur C. Cope, PhD '32 in '61, and Karl Folkers, PhD '31 in '62.

D'Ianni, who is Assistant to the Vice-President for Research & De-

James D. D'Ianni, PhD '38, is a candidate for President-Elect of the American Chemical Society this fall. His name will be one of the two on the ballot to

velopment at Goodyear Tire and Rubber, has a long record of activity in ACS affairs. At present he is a councilor representing the Rubber Division. He has previously been Chairman of the Rubber Division and of the Akron Section. He will retire after 40 years of service with Goodyear at the end of 1978. He graduated from Akron University in '34 and has also done work in the advanced math program of the Harvard Business School.

Answers of the two candidates to CEN questions were published in the August 14 and 24 issues. Formal election statements will be published in the Sept. 18 issue of CEN. We extend our best wishes to Jim.

tivities in St. Paul at Christmas-time.

John Durland, PhD '39, sent their Christmas greetings from Hill Top Mansion, 5-10 Sanban Cho, Chiyo-da-Ku, Tokyo, Japan 102.

John O. Eaves, PhD '77, is a research associate at U of Colorado.

Carl Eggert, BS '31, extends regards to his former classmates from 436 Lawrence Ave., Elgin, IL.

Gary A. Epling, PhD '71, is assistant professor of chemistry at U of Connecticut. He had previously been at Fordham.

Thomas C. Ehlert, BS '57, PhD '63, is Professor of Chemistry at Marquette University. He has been at Marquette since 1964 after completing his postdoctoral year with John Margrave at Rice. He just returned from a sabbatical in Germany where he worked in the Institute for Physical Chemistry at Bonn and at the Institute for Molecular Physics in Berlin. He reports having met **F. W. Froben** in Berlin, (Postdoc 69-70). Tom was accompanied by his wife, daughter and three sons.

James C. Ellenbogen, MS '72, (PhD '77, U of GA), reports a change of address to Harvard University where he has a postdoctoral appointment with E. B. Wilson.

Richard A. Fass, PhD '69, has been at Pomona College since leaving Professor Willard's group in September of that year. He recently became Dean of Students. Richard reports two other Badger Chemists on the Pomona faculty—**C. Freeman Allen**, PhD '52 and

John E. Quinlan, PhD '59. **Guido Daub**, PhD '49, recently attended the graduation of his third offspring from Pomona College. All three of Guido's children graduated in chemistry with outstanding records.

Charles E. Fawkes, BS '22, was recently placed back on the mailing list and sent back issues of *Badger Chemist*. Unfortunately, we have no further news of his activities. He lives at 5733 S. Blackstone Ave., Chicago.

Richard F. Firestone, PhD '55, served as Chairman of the Radiation Chemistry program at the Gordon Conference in Holderness School.

Ed Fitchett, BS '24, again served three months as scorer at the National Bowling Tournament held last spring at St. Louis.

Sidney J. French, PhD '28, sends his usual letter of thanks from Gull Harbor, Apt. 401, 17105 Gulf Blvd., N. Redington Beach, FL.

Grady Frenchick, MS '78, is associated with the patent department of 3M in Minneapolis after completing a law degree simultaneously with his masters.

Lyle E. Gast, PhD '49, retired from the Northern Regional Research Laboratory of the Department of Agriculture in August '77, and continues living in Peoria according to **Everett Pryde**, PhD '48.

Stephen George, PhD '77 with **Ihde**, teaches at Millikan University in Decatur, IL. He is the hus-

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SHAIN COMPLETES FIRST YEAR

Professor Irving Shain has almost completed his first year as Chancellor of the Madison campus. The problems have been more numerous than the laurels but he has borne up well under fire. He has certainly proven that he does not wilt in the face of controversy.

He heads a unit of the university with a student body approaching 39,000. Madison also is the principal unit of the university heavily emphasizing graduate studies. As a result, it is frequently singled out for criticism on the grounds that teaching is neglected on account of the faculty's greater emphasis on research. Shain replied to such critics last spring in a speech to a group of business executives holding a conference on campus.

He rejected the contention that "our emphasis on research has somehow degraded the undergraduate program and that therefore research should be eliminated," calling such complaints an "unsubstantiated irrational accusation." He said that such attacks threaten America's major source of advanced knowledge.



He felt that there should be strengthening of the Wisconsin Idea for transmittal of knowledge discovered at universities to the people who can use it and called for reassessment of priorities between basic and applied research "to become more sensitive to societal needs."

During his first year Shain has spent a large amount of time re-

solving problems associated with the medical school, particularly staffing of key administrative positions and decisions connected with opening of the new Medical Center. Madison is also faced with setting up administrative faculty for planning a veterinary school.

Chancellor Shain also finds himself in a lawsuit brought by *The Capital Times*. A *Times* reporter sought to examine faculty records dealing with outside income derived from consulting and other non-university activities. Shain refused access to such records on the grounds that they were personnel records outside public scrutiny. The case is scheduled to be heard by the court in December.

Despite his many obligations Irvin plans to reactivate a limited research program in the chemistry department. He recently returned from a relaxing vacation with his family at their retreat in Washington.

SUMMER SESSION STAFF VISITORS

As has become customary, summer session courses in chemistry are being offered with substantial aid from visiting staff. Teaching Chemistry 103 is Professor Stuart W. Bennett of the Open University, Milton Keynes, England. Dr. David B. Shaw, PhD '75, of the Madison Area Technical College is teaching Chemistry 104. Dr. Shaw did his graduate work with Professor Treichel and has been at MATC since completion of his doctorate. Professor Bennett was at Wisconsin in 1970-71 as an SRC/NATO Research Fellow with Professor West. At that time he served as a lecturer for one semester.

Richard Ramette of Carleton College is teaching Chemistry 221, the basic analytical course. He has taught previously in summer sessions.

Also from Carleton College is Jerry Mohrig who is teaching two of the organic courses. Professor Mohrig recently received the Manufacturing Chemists Association Award for excellence in teaching.

Also associated with the organic program is Professor Humski, Ruder Boskovic Institute, Zagreb, Yugoslavia. Professor Humski was also Visiting Professor in the spring semester and spent the year 1967-68 at Wisconsin as a Research Associate.

DISTINGUISHED LECTURES

The newly created Samuel M. McElvain lecture series had for its first lecturer William Klemperer, Professor of Chemistry at Harvard. Dr. Klemperer delivered four lectures in July, two on the subject "Spectroscopy and Structure of Weakly-Bound Complexes" and two on "Interstellar Chemistry."

Also during July the Department served as co-sponsor with the Theoretical Chemistry Institute of a series of ten lectures given by A. David Buckingham, F.R.S. Professor of Theoretical Chemistry at Cambridge University in England. Dr. Buckingham served as Brittingham Professor during his stay in Madison in July and August. His lectures dealt with "Optical, Electric, and Magnetic Properties of Molecules." Professor Buckingham has been a frequent Madison visitor including the summer of 1967 when he gave an earlier lecture series.

GENERAL CHEMISTRY TEACHING ASSISTANT AWARDS

Excellence in teaching discussion-laboratory sections in first-year courses in this Department was recognized by the Undergraduate Chemistry Teaching Fund Committee with four awards each consisting of a citation and a cash prize of \$100 to Eric J. Amis, Bradley R. Karas, Albert B. Rives and Cynthia L. Wadsworth. Congratulations!

These awards, which will be given annually, were established this year and are supported by the University of Wisconsin Foundation Undergraduate Chemistry Teaching Fund. The selections were made from among nominees recommended by individual faculty members, the TA Review Committee and Laboratory Directors.

GRAD STUDENT AWARDS

Significant achievement as a graduate student in this Department was recognized by the Faculty with the award of \$200 each to Bruce E. Bursten, Kelsey D. Cook, Carl R. Kessel, Alexander Scheeline, and Mark P. Warchol.

These awards have been made possible by a bequest from the estate of the late Professor Samuel M. McElvain who was for many years a Professor of Organic Chemistry in our Department.

In Memoriam

Badger Chemists whose deaths have come to our attention since last fall are listed below. In some cases we have picked the information from *Wisconsin Alumnus* or the *Hexagon* of Alpha Chi Sigma and have no further details. Our listing, as has been the case for several years, also includes names of a few Madisonians who were known to students.

Oliver W. Baldwin, x '23, died in January 1978 in Florida where he was retired in Key Largo. After completing 3½ years in chemistry at Wisconsin, Professor Victor Lenher obtained an analytical position for him at the Minnesota Iron Range and he never returned to school for his degree. He spent many years in Gary as chemist in the U. S. Steel Laboratory eventually rising to Chief Chemist. He retired from that position in 1965. Through **Ed Fitchett**, BS '24, he was sent a run of *Badger Chemists* a year ago.

Charles C. Clayton, BS '42, PhD '49.

Robert E. Conary, PhD '38, retired after 38 years with Texaco, the last of them in Belgium.

Eleanor Harriet Cox, BS '21, died last winter in Menominee where she was in retirement from the chemistry department of UW-Stout.

Jimmy Demetral, wrestler, who made Madison his home in 1922. One-time world middleweight champion, he continued wrestling until well on in years. He arranged many wrestling benefits to help Madison's children (45 annual Kid-die Camp Wrestling Shows totaled \$100,000). He was 83.

Alfred W. Downes, PhD '32.

Herbert Gaarder, BS '16.

The parents of Bette Germann, departmental secretary, both died during 1977—her father, **LeRoy** on March 20, her mother **Elizabeth** on October 7. We join in extending our sympathy. Bette joined the secretarial staff during World War II. She became departmental secretary when Vi Hendrickson Moore left the position during Prof. Mathews' chairmanship and served under professors Daniels, Ferry, Shain, Willard, Fenske, and now, Evans.

Nathan Gilbert, PhD '42, died January 21, 1977 of a cardiac arrest. He had been attending a con-

ference of Russian scientists in Pittsburgh. His doctoral research on nitrogen fixation with Dr. Daniels took him to Muscle Shoals, Alabama where he served as an engineer with the TVA. In 1953 he joined the chemical engineering faculty at University of Cincinnati. The university has named a senior laboratory, the "Nathan Gilbert Memorial Design Laboratory."

Paul F. Hoglund, PhD '45, died of cancer on Feb. 17, 1977, in Wilmington where he had just taken medical retirement from Du Pont.

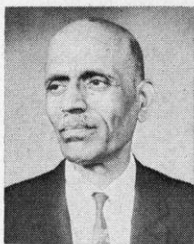
Kenneth H. Hoover, BA '21, died sometime before September, 1977.



He became director of research with R. J. Reynolds Tobacco Co. in 1950 and became a member of the Board of Directors in 1953. At Winston-Salem he headed a staff of 51 scientists and a supporting staff of more than 100. In earlier years he was a member of Carl Miner Laboratories, the Indiana Wood Preserving Co., and Commercial Solvents Corp. He served as an infantry lieutenant in World War I and was a member of the Penicillin Industry Advisory Committee and the Milk Sugar Advisory Committee of the War Production Board during World War II.

Carl A. Hoppert, BS '20, PhD '25.

Jagannath G. Kane, PhD '43, died Sept. 25, 1977 in Bombay at



age 71. He had retired in 1971 as director of the Department of Chemical Technology at the U of Bombay but continued his research and consulting activities as Emeritus Scientist of the Indian Council of Agricultural Research. He took a leave from his faculty position in Bombay to undertake a doctorate with Professor Schuette in 1941. On returning to Bombay he started a Section on Oils, Fats, and Waxes where he trained numerous students who are becoming

leaders in industry, national laboratories, and universities.

Rudolf Kolisch, 82, first violinist and leader of the Pro Arte Quartet, in Watertown, MA where he was associated with the New England Conservatory of Music after retiring from the UW Music School in 1967. He was born in Austria and studied violin in Vienna. He had a distinguished career as violinist and conductor in Europe where he founded the Kolisch Quartet. He settled in the U.S. after the war began and joined the UW music faculty in 1944 as artist in residence. The Pro Arte Quartet, which he organized, became an arm of the music school. Kolisch suffered an injury to his right arm after his career began; he rebuilt his violin and developed his left as a bow arm. This also led to reseating his quartet from the usual arrangement, Kolisch being seated on the audience's right.

Wilbur A. Lazier, PhD '25, died on May 14, 1976 in San Mariano, CA at 76. He was retired from the directorship of research at Charles Pfizer and had been the first director of the Southern Research Institute. He received the ACS Charles Herty Medal in 1946.

Elizabeth McCoy, retired professor of bacteriology who taught the course in determinative bacteriology for many years. She was an expert on nitrogen-fixing bacteria, the subject she explored while a graduate student of Professor E. B. Fred. She also worked on the microbiology of lakes and streams and was deeply interested in industrial fermentations. Before her death she deeded several Dane County farms to WARF.

Ivan A. Nestingen, 56, died April 24, 1978 in Washington, DC. Active in local politics, he served as Madison's mayor, 1956-60, when he sought unsuccessfully to have the Auditorium designed by Frank Lloyd Wright built on Monona Terrace. He joined the Kennedy administration in 1961 as Undersecretary of HEW; then opened a Washington law office in 1965.

Armand James Quick, BS '18, MS '19, died in January at age 83. He was retired from the faculty of Wisconsin Medical College (for-

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band of Karen Pfueher who was Professor Dahl's secretary for several years.

Philippa G. Gilchrist, PhD '31, responded after learning of Professor Schuette's death that her years of graduate study in Madison were very happy ones for her. She is retired in Courtland, Alabama after spending many years on the faculty at Wellesley. After receiving *Badger Chemist* No. 24 she was in communication with Wellesley College regarding Professor Blaedel's collection of analytical balances.

In Memoriam . . .

(Continued from page 11)

merly Marquette Medical School) where he did pioneering research on blood disorders. Even during retirement he remained active and was author of several books on blood chemistry. He took a PhD in chem. at Illinois in '22 and an MD at Cornell in '28. Soon after finishing medical school he developed a method for measuring the clotting ability of a patient's blood, known as the Quick Test. He also developed new tests for hemophilia and recently identified a substance that has been named vitamin Q. It is found in soybean extract and has a role in the body's control of bleeding.

John C. Zola, BS '28.

John H. Schmidt, PhD '21.

H. A. Schuette, see obituary article in this issue.

Frank K. Signaigo, PhD '36, died on Feb. 3, 1978 in Jupiter, FL, after a long illness. He retired in 1968 as director of research for Du Pont's photo products division.

Frank Urban, BS '26, PhD '28, died on July 1, 1978 in Green Bay. He served in the German Army in 1914, was captured by the British in Belgium, and paroled to a convent in West Virginia. He appeared at the UW in the early twenties, took two degrees in chemistry and taught at Washington U in St. Louis. He abandoned teaching after a decade, took an MD at Illinois in '44 and opened a practice in Green Bay.

Robert Ginsburg, MS '75, completed his PhD oral on July 25. He is now on a postdoctoral appointment at the University of Illinois School of Public Health in Chicago where he is working in the Environmental Health Research Center on the biochemistry of lead. He was a student of Prof. Dahl.

James L. Giulianelli, PhD '69, has just completed a period as a faculty member at the Universidad de Los Andes, Merida, Venezuela and recently joined the staff of Colorado School of Mines at Golden as Visiting Professor.

Stewart W. Gloyer, PhD '39, is now retired from the Pittsburgh Plate Glass Company where he served since completion of his doctorate. He lives in Gibsonia, PA, but likes to spend part of his winter in Florida. Since retirement he has done some consulting for PPG on a lawsuit dealing with coatings technology and reports finding the contact with lawyers a stimulating experience.

Frederick M. Granberg, BS '39, reports a new address at 908 Chateaugay Road, Knoxville, TN, but sends no news about himself.

Frank D. Gunseor, BS '72, reports an address change to 312 5th Avenue, Lewiston, ID.

John A. Haberman, PhD '75, is now with the Naval Research Laboratory, Laser Physics Branch in Washington, DC. He left Madison in '73 when Professor Bernstein moved to Texas. After completion of his doctorate he held a postdoctoral appointment at Cornell with Professor S. H. Bauer. He has been in Washington since September '77.

Stanley L. Hager, PhD '74, is at the Technical Center of Union Carbide in South Charleston, WV. He is responsible for the thermoanalysis and rheological testing laboratory for relocation of polymers.

James Hall, PhD '39, reported no news about himself, but sent regards to Professors Williams, Holt, Willard and Larsen.

Charles C. Han, PhD '74, is studying small angle neutron scattering in polymers at the National Bureau of Standards.

Kenneth C. Hancock, PhD '68, of U of California-Davis has been on sabbatical at the National Science Foundation as director of chemical dynamics.

Owen Hannaway, Postdoc '66, has been appointed Chairman of the History of Science Department at Johns Hopkins University where

he has been teaching and carrying out research since completing his work in Madison. Owen has a PhD from University of Glasgow and started his postdoctoral work immediately thereafter. Johns Hopkins Press recently published his *The Chemists and the Word* dealing with chemical origins in the 17th century.

Ellery H. Harvey, PhD '26, reports that a heart condition has driven him out of balmy Florida into the red flannel underwear climate of Kentucky where his son and daughter-in-law (a registered nurse with the VA hospital in Lexington) insisted that his days of "batching" were over. Ellery was Dr. Schuette's first PhD.

Philip A. Helmke, PhD '71, received his tenure promotion in the UW Soils Department.

Thomas E. Henzler, PhD '72, has been promoted to senior research chemist, Photo Products Division of Du Pont in Rochester, NY.

Erwin Hiebert, PhD '53, has been elected Chairman of the Department of History of Science at Harvard. Hiebert was a member of the Wisconsin History of Science Department and served as its chairman in the 60's before leaving for Harvard.

Takeru Higuchi recently received the 2nd Volwiler Award at the annual meeting of the American Association of Colleges of Pharmacy when it met in Orlando, Florida. The award includes a \$5000 check and gold medal in recognition of outstanding research by a faculty member in a School of Pharmacy. Dr. Higuchi is Regents Professor of Chemistry and Pharmacy and Chairman of the Department of Pharmaceutical Chemistry at the University of Kansas.

Jeffery A. Hinkley, PhD '78 under Yu, is a postdoctoral research associate at the National Bureau of Standards.

Robert M. Hoffman, PhD '33, reports a new address at 1705 Luthy Dr. NE, Albuquerque, NM but sends no news. Presumably he has retired from Du Pont's Textile Research Laboratory, his former address.

William F. Holbrook, BS '20, was recognized by the Portland section for 50 year membership. He resides at 708 Capital Manor, Salem, OR.

Harrison H. Holmes, PhD '34, sends no news about himself from Wilmington, DE, but reports that

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This 'n' That . . .

(Continued from page 12)

he was especially glad to see news of Professor Willard.

George C. Hood, PhD '52, sent his Christmas card without news from Houston, TX.

Henry P. House, who was a student in the early 20's, had his interest in the department revived by **Ed Fitchett** who was instrumental in getting copies of *Badger Chemist* to Henry who lives in Oak Ridge, TN.

Walter J. Ingram, BA '21, reports that although he sees few familiar names in the *Badger Chemist* he continues to find pleasure in reading about the department. He says, "All honor to Professor Schuette who founded *Chemist* and was its editor for a number of years." Also, "I read of Samuel Lenher—I presume that he is the son of that wonderful teacher of Inorganic-Analytical Chemistry, Professor Victor Lenher." (Your guess is correct, Ed.). Walter also commented on the foresight of Professor Daniels in being concerned about energy matters and the need to develop solar processes.

Terry Iorns, PhD '70, presented an industrial seminar before students in the department in September 1977. Terry is with the Phillips Petroleum Company.

Glenn E. Irish, PhD '50, reports on his experiences in the old Chemistry Building with affection and pride and sends regards to Professors Bender and Larsen. Glenn lives in Fullerton, CA, but sends no news about his activities. Dr. Bender thinks he is with Universal Oil.

Hiizu Iwamura, Postdoc (Zimmerman), is now head of the Institute for Molecular Science in Okazaki, Japan. He had previously been at Tokyo.

Reese Jenkins, PhD '66, has taken a position in the history department at Rutgers and becomes director of the Edison Institute where he will become editor of the Edison papers, estimated to be a 20-year project. He has been in the history of science and technology department at Case Western Reserve.

Pedro J. Jimenez, PhD '77 with Prof. Evans, is with Eli Lilly.

Donald R. Johnson, PhD '54, was chairman of the 1977 Gordon Conference on Analytical Chemistry.

ALPHA CHI SIGMA OBSERVES 75th

Alpha Chi Sigma fraternity, founded at the University of Wisconsin by a group of chemistry students in 1902, held a gala celebration in Madison on December 2, 1977 to honor its 75th birthday. The national organization joined with Alpha Chapter in planning and sponsoring the event which included an anniversary lecture, open house at the chapter houses, and a Diamond Jubilee Banquet at the Wisconsin Center.

The Alpha Chapter of the fraternity was founded in Madison by the late J. Howard Mathews and eight classmates (Edward Matke, Bart McCormick, James Silverthorn, Joseph Holty, Harold Eggers, Frank Petura, Alfred Kundert, and Raymond Conger) as a Greek letter society for students interested in chemistry. The organization flourished and it quickly became a national fraternity. Mathews was active for many years in organizing chapters in other universities and was active in AXE affairs until late in life.

The Anniversary Lecture was given by William N. Lipscomb, Jr., who is Abbott and James Lawrence Professor of Chemistry at Harvard



and the 1976 recipient of the Nobel Prize in Chemistry. His subject was "How Do Enzymes Work?"; the lecture was delivered to a packed Main Auditorium in the Farrington Daniels Chemistry Building.

The lecture was followed by open

houses at the chapter houses on Lake Street, and by a reception at the Alumni Lounge in the Wisconsin Center across the street. The Diamond Jubilee Banquet was held in the main dining room in the Wisconsin Center and was followed by a program paying tribute to Professor Mathews. Dr. Edward Daub of the Department of General Engineering (Alpha, '44) served as Toastmaster. After the Invocation by Grand Recorder James Miller (Nu, '37), Aaron J. Ihde gave a profile of Dr. Mathews as a scientist and administrator. He dealt primarily with Mathews' 33-year chairmanship of the UW Chemistry Department. Jean Mathews Watson then gave some personal recollections of her father—ranging from stories of his boyhood on a farm near Auroraville, to his mustache at Harvard, to his photographic pioneering. Her husband, Professor Charles C. Watson (Alpha, '49) then provided some information about the early days of AXE and played a tape which contained remarks by Dr. Mathews on the occasion of the 50th Anniversary of the fraternity in 1952.

The program concluded with remarks by Judy Hansen (Alpha, '75) on "My Fraternity Today" and the presentation of the 75th Anniversary Scroll to Julie McCabe, Master Alchemist of Alpha Chapter. The presentation was made by Kenneth N. Edwards (Beta Mu), Grand Master Alchemist who also presided over the meeting.

Planning and arrangements were in the hands of an Anniversary Committee composed of Ronald M. Warren (Alpha Upsilon), Chairman; Edwin M. Larsen (Alpha), and Wayne Wittenberg (Alpha). The lecture and banquet were well attended, not only by local members, spouses, and friends, but by a substantial number of out-of-town members.

He lives in Wilmington, DE.

Elmer Johnson, PhD '40, is now retired from the Chemistry Department at South Dakota State. He and Roberta continue to live in Brookings. His son Gordon expected to receive his Psychology

degree in Berkeley this summer.

Jack W. Johnson, PhD '76, is now a research chemist at Exxon Research and Engineering in Linden, NJ.

James A. Johnson, Jr., PhD '49, (Continued on page 14, col. 1)

This 'n' That . . .

(Continued from page 13)

has left Humble Oil and is now with the Exxon Research and Development Laboratories, also in Baton Rouge.

Bruce M. Johnson, BS '66, PhD '72, is doing analytical research with Pfizer, Inc. in Groton, CT after five years on the faculty of the Division of Clinical Oncology in the UW Medical School. He reports surprise at the number of Badger chemists at Pfizer. **Jeff Richards** works in the same laboratory with him.

Daniel Jones, PhD '69, leaves Oregon State for a position in the Center for Humanistic Studies at U of Illinois Medical Center in Chicago.

Jerome D. Kessler, MS '76, reports an address in Palatine, IL, but we have no information about his activities.

Edward L. King a member of the faculty in the 50's reports no news from University of Colorado, but makes some inquiries about certain people involved in the history of chemistry.

Burton B. Knapp, PhD '39, was selected as the 1977 recipient of the Achievement Award of the American Electroplating Society. He retired two years ago from the Paul D. Merica Research Laboratory of International Nickel Co. in New Jersey where he specialized in the field of corrosion and electroplating. His research helped to establish the multi-layer coating concept, the basis for double-layer nickel coating. He was also active in developing various innovations in nickel plating.

William E. Koerner, BS '45, PhD '49, reports pleasant memories from the article about the shop crew. He is still manager of the Physical Sciences Center at Monsanto's St. Louis research facilities. He sends best regards to Professor Bender.

Roy F. Korfhage, PhD '27, has been retired since 1964 from his position as technical director for Ambrosia Chocolate Co. in Milwaukee and North Carolina. Prior to 1954 he was chief chemist for the chocolate division of Nestlé's in Fulton, NY. He and his wife Loretta, BA '25, celebrated their golden wedding anniversary on July 25, 1978 in Charlotte with son Robert and daughter Marilyn, their spouses, 6 grandchildren, and 50 guests in attendance.

Byron Kratochvil, a member of the faculty in the sixties, writes that he and his family enjoy Canada very much. He is chairman of the analytical division at the U of Alberta in Edmonton.

Ignace J. Krehma, BS '27, includes no news from 212 Sunset Rd., Newark, DE.

Carl H. Krieger, BS '33, writes, "Keep up the good work," from Winewood, PA.

Charles J. Krister, MA '37, corrects the record. He is not retired, as reported last year, but continues as manager of product registration in the Biochemicals Dept. of Du Pont. His section develops, coordinates, and processes technical data on toxicity, etc. of Du Pont agricultural chemicals. He is a member of several National Research Council committees dealing with chemicals and environmental problems.

Does anyone know the whereabouts of **Vincent P. Kucski**, MS '48, PhD '50?

Robert A. Kunz, PhD '74, is with Du Pont biochemicals department in Wilmington working on development of agricultural chemicals.

Robert F. Kusel, BS '36, lives at 8201 Mosswood Dr., Waco, TX, but sends no news about his activities.

Walter M. Kutz, PhD '30, recently completed his 10th year of retirement, but sounds as if he keeps very busy with lawn bowling tournaments in the San Francisco Bay area. He became a 50-year member of the ACS in '75.



Ronald H. Laessig, PhD '66, is president-elect of the National Committee for Clinical Laboratory Standards and a member of the Board of Directors. At

the Wisconsin State Laboratory of Hygiene he is assistant director and chief of clinical chemistry. In the UW Medical School he is professor of preventive medicine and pathology. NCCLS is an international organization which develops standards for clinical laboratories. Prior to joining the Hygiene Lab, Dr. Laessig held a postdoc in analytical chemistry of Princeton and completed an in-residence training program in clinical chemistry at the Center for Disease Control in Atlanta.

Douglas LaFollette, postdoc in organic in the early '60's, is one of 7 candidates seeking the Democratic nomination for Lieutenant Governor in the Sept. 12 primary. He is presently Secretary of State. Before entering politics, where he has been an environmental activist, he taught at UW-Parkside. (He won the election. Ed.)

Elmer C. Larsen, PhD '39, recently retired from PPG Industries after 18 years, eleven of them as vice-president. He lives at 46 Ordale Blvd., Pittsburgh.

Louis M. Leichter, postdoc '73-74 with Dr. Trost, is in the Central Research Labs of 3M in St. Paul. Lou, his wife Ann, and sons Aaron and David send regards to all.

M. B. Lelé, MS '50, of Bombay, who sent us news of Dr. Kane's death, enjoyed catching up on back issues of BC sent to him after his whereabouts emerged. He lived at 1015 University Ave. but that house was razed when the new Chem Bldg. was constructed. He sent regards to Harold Schimming and Ralph Helmke. Ralph died soon after retiring. After nearly 20 years with Esso in Bombay Lelé became technical manager of quality control in the transformer oil refinery of Apar Pvt., Ltd.

David Lemal, formerly a member of the departmental faculty, gave a series of ACS lectures on "The strange world of organofluorine chemistry" to four southeastern sections in April.

Samuel Lenher, BS '24 (PhD London '26) retired from Du Pont's vice-presidency in '70 but continues to serve on the board of directors and the audit committee. He is also chairman of the Board of Trustees of the U of Delaware and vice-chairman of the Farmers Bank Commission of the state of Delaware. He has retired from the trustees of Johns Hopkins U but serves as a Fellow of the Board. He is also a trustee of WARF.

Edward T. Lessig, PhD '24, sent a generous contribution in the hope that the Editor will not suffer the fate of the US Director of the Office of Management and Budget.

Richard G. Livesay, BS '47, is associated with the patent group of Tape and Allied Products at 3M.

Marcelle G. LaPorte, MS '77 with Treichel.

William A. Lester, Jr., Postdoc and Associate Director TCI '64-67,

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This 'n' That . . .

(Continued from page 14)

has been chosen as director of the National Resource for Computation Chemistry at the Lawrence Berkeley Laboratory where NRCC is located. Dr. Lester had been with IBM's research laboratory in Palo Alto.

Robert H. Levin, PhD '41, sends us an item from Richardson-Merrell Inc., announcing his plans for early retirement as RMI Vice President for Research & Development. He plans to utilize his 37 years of pharmaceutical research and development experience to establish a research/management consulting service. He also continues as a consultant for RMI.

John G. Lofstrom, PhD '54, sent a Christmas contribution for BC from 58 McGuire St., Metuchen, NJ.

Roger H. Lueck, MS '21, sends warmest regards to Professor Schuette and Meloche.

William D. Luker, PhD '55, writes, "Dr. Schuette was certainly kind to me while I was at Wisconsin, as were all of you chemistry departmental faculty members. That made my years very pleasant."

Blair MacQueen, BA '22, MS '23, reports a pleasant visit with **Marion Veazey** and a Christmas card from **Earl Whitford**.

George H. McGregor, BS '26, has retired from his California work and has settled at 1312 Ave. B, Fort Madison, IA as an independent consultant on pulp and paper problems. He commented on the death of Professor Kowalke who was his major professor toward the chem engineering masters earned in '30. George observed enormous changes on campus when he returned for his 50th class reunion in '76. Enrollments then were 7600—now 36,000. He was happy to find Prof. Williams in the Chem Building.

J. Michael McKenna, PhD '70, is still with elastomers department of Du Pont. His wife Mary (McFadden) MS '70, teaches science courses at the high school level in the Delaware school system.

Patrick S. Mariano, PhD '69, has been named to receive The Fresenius Award of Phi Lambda Upsilon for 1978. The Award was established in 1965 "to recognize outstanding chemists whose early achievements have an exceptionally high quality and who show great promise for distinguished careers

ALADDIN

In November '77 the National Science Foundation and the UW-Madison announced approval of a \$2.93-million federal grant earmarked for construction of a Synchrotron radiation machine. This "magic lamp" will circulate electrons at speeds approaching that of light, thereby generating intense beams of ultraviolet light and x-rays. Aladdin will produce high energy radiation to probe basic properties of matter.

The facility will become part of the Physical Sciences Laboratory already in existence near Stoughton, southeast of Madison. It will provide a continuous spectrum of light at short wavelengths for fundamental investigations by chemists and physicists. It will be one of only three or four such facilities in the U.S. to be devoted solely to synchrotron radiation research. The Synchrotron Radiation Center will operate Aladdin as a national facility for NSF, the facility to be available to all qualified investigators. In addition to the NSF grant, the UW is adding \$600,000 through the Graduate School—\$200,000 coming from state funds for capital costs and \$400,000 from the Wisconsin Alumni Research Foundation.

in chemistry." Pat, a former student of Prof. Zimmerman, is associate professor of chemistry at Texas A&M where he is engaged in organic photochemistry.

Eldor A. Marten, BS '25 (PhD '28 Biochem) and his wife enjoyed a 7500 mile trip out west taking in the sights of New Mexico, Grand Canyon, Bryce and Zion Parks and other scenes along the way. He was looking forward to the '78 alumni weekend at the time of writing and hoped to visit the chemistry building to see the labs firsthand. (Prof. Larsen had the pleasure of showing him the facilities.)

Rudd Meiklejohn, MS '54, reports that he has **Bill Stebbings** and **Bob Williams**, two of Prof. Taylor's students, working for him and concludes "very good men."

Nels Minne, PhD '32, sent his usual contribution from Winona, MN and reported he enjoyed the BC.

Yutaka Mitsuda, PhD '73, returned to the US in summer of '77

for an extended tour of universities and industrial labs. He is at Denki Kagaku Kogyo K.K., Japan.

Therold Moeller, PhD '38, simply said, "Please keep it up." He is also on the faculty at Arizona State U where he continues his work on rare earth chemistry. He included a copy of the university's *Research News* which contained an interesting article about his work.

David Molzahn, PhD '78, with Treichel.

Stephen D. Morton, BS '54, PhD '62, is the author of "Water Pollution Causes and Cures" published by MIMIR publishers of Madison. Stephen has been head of the water chemistry program at WARF Labs (which was recently sold to Ralston Purina) since 1967.

Richard L. Myers, PhD '71, is now with Rockwell National Air Monitoring Center in Creve Coeur, MO.

Charles R. Naeser, BS '31, has joined the Emeritus Professors at Georgetown University as of June '76 and reports enjoying the freedom from a fixed schedule. The lecture room in which he held forth for 41 years has been refurnished with funds raised from former students and colleagues and was to be dedicated last spring as the Naeser Lecture Room of Chemistry. He sent regards to Mel, Les Holt, Harvey Sorum and others of that vintage.

Stephen W. Nicksic, PhD '52, appreciated receiving Dr. Schuette's bound copy of his PhD dissertation last winter and has inquired about the possibility of getting a copy of his BS thesis on maple sugar. Steve is in Brea, CA.

Morris Nielsen, PhD '41, reports his address at 1481 West Gull Lake Drive, Richland, MI.

Takashi Norisiuye, research associate with Professor Yu '75-77, has returned to his home university in Osaka, Japan.

Warren Z. Olson, BS '30, provided a contribution, but absolutely no news.

Frederick C. Oppen, BS '32, PhD '36, was lost from our mailing list after retiring from Kimberly Clark, Neenah. He lives at Rt. 1, 6379 Little Habor Dr., Sturgeon Bay, WI.

Dean L. Owens, BS '42, took early retirement from Rohm & Haas in '76 but continues doing consulting work in ion exchange in Whittier, CA.

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This 'n' That . . .

(Continued from page 15)

John Parascandola, PhD '68, is an editor of *American Pharmacy in the Colonial and Revolutionary Periods* published by the American Institute of the History of Pharmacy.

Albert A. Pavlic, PhD '42, simply remarks, "Keep it up, someday we'll cast you a medal for valor!"

David Perlman, BA '41, MS '43

(PhD '45 Biochem), pharmacy has received the James Van Lanen Distinguished Service Award from the American Chemical Society's division of microbial and biochemical technology. He has also been named chairman of the ACS's division of microbial and biochemical technology and is Editor of *Structure/Activity Relationships Among the Semi-Synthetic Antibiotics and Annual Reports on Fermentation Process*, both recently published by Academic Press.

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SPORTS

The sports that Athletic Director Elroy Hirsch likes to call the income-producing sports didn't fare too well at Wisconsin during the past year—except for hockey, the sport that our own V. W. Meloche helped to revive.

The Hockey Badgers had another exciting year, though not quite the equal of the previous one when they were NCAA champions. This year they were fourth in the NCAA. Although graduation and the lure of professional salaries for younger players depleted the experienced ranks, younger players rose to the challenge to secure a 28-12-3 record, good enough to win the Big Ten title, and the Western Collegiate Hockey Association runner-up position to Denver (who were ineligible to play in the NCAA). Since Professor Meloche used his influence on the Athletic Board in the early sixties to restore hockey to intercollegiate status, the Badgers have been third in the NCAA in 1970 and 1972 and took the championship in 1973 and 1977, thus being the only UW income-producing sport to have national recognition.

The football team started out auspiciously with five consecutive wins and then the sky fell in. They failed to win another game and ended the season with a 5-6 record, 3-6 in the Big Ten, for 8th place. Coach Jardine resigned to join Coatta, Bruhn, Stuhldreher, Spears, Thistlethwaite, *et al.*, in the Wisconsin coaches graveyard. He has been replaced by Dave McClain who had been coaching at Ball State U in Indiana where he had a 46-25-3 record.

There has been much criticism of Big Ten football in recent years since the Conference appears to

have become the Big Two (Ohio State and Michigan) and the Little Eight. Although three teams went to bowls at holiday time (Ohio State, Michigan, and 3rd place Minnesota), all were soundly defeated by the opposition.

The basketball team finished in the Big Ten cellar, tied with Northwestern, both with 4-14 conference records and both 8-19 overall. Although second-year coach Bill Cofield appeared to have had a good recruiting season after his first year, some of his recruits had problems with the law as well as in the classroom. Four players, including two starters, failed to play in the second semester because of ineligibility.

The non-income sports, however, continued to do well. The male fencers took the Big Ten title away from Ohio State. The women fencers were second to Northwestern in the tournament, losing out by 2 points, 25-23. Ohio State was third with 18. The Badger women went on to take tenth place in the nationals.

The men swimmers were second in the Big Ten to perennial champion Indiana. Swimming has become a successful sport since the Natatorium Building permitted abandonment of the bathtub in the old Armory.

Wisconsin has become a national power in wrestling and continues to do well against Oklahoma, Oklahoma State, Iowa State, and Iowa. The Badgers were second to Iowa in the Big Ten meet after advancing seven men to the finals. Iowa advanced 8 men, however, and most of them outwrestled their Badger opponents. However, at 158 pounds, senior Lee Kemp took his 3rd Big Ten championship and went on to win at his weight in the NCAA where the team placed fourth. Kemp had a 31-0-1 season.

Wrestling coach Duane Kleven was named NCAA Coach of the Year for 1977. He developed seven national champions in the past three years and his Badgers took fourth, sixth, and fourth positions between 1976 and 1978.

The Badger cross-country men were Big Ten champions and placed sixth in the NCAA. The women do not have a Big Ten meet but were fourth in The Association for Intercollegiate Athletics for Women. This was the fourth consecutive season that the women finished in the top ten in the nationals.

In track the Badger men took third in the Big Ten Indoor meet, being bettered only by Michigan and Indiana. In women's track the Badger girls took the Big Ten championship with 168 points. Second place Michigan State had 146. In the 1500 meter race the Badger girls finished 1-2-3, led by freshman Suzie Houston. This was the second Big Ten Track title for the girls in 3 years; they won outdoors in 1976. They then went on to place first in The National Invitational Track and Field Meet. In outdoor track the women took the Big Ten Championship; the men were third.

In rowing, the sport Athletic Director Hirsch marked for extinction in 1971, results were mixed following a series of excellent years. The varsity men were only able to place second in the consolation race at the IRA championships, equivalent to eighth place. The J-V and Frosh eights won their consolation races (7th place). The results the past two years have been disappointing after three successive varsity victories earlier in the decade and strikingly good finishes by J-V and Frosh crews. Women's rowing, however, continued its success story, taking second in the Nationals where they were defeated only by Burnaby Lake Rowing Club, the Canadian national crew.

The men's tennis team placed second in the Big Ten, losing out only to Michigan, which took its eleventh consecutive Big Ten tennis championship. The women took fourth place in the Big Ten. Wisconsin tennis has become competitive since completion of the Nielsen Tennis Stadium a few years ago.

The Badger baseball team ended up third in the Big Ten with a 10-6 record. The team is currently (Aug. '78) participating in a European tour.

This 'n' That . . .

(Continued from page 16)

Fredus N. Peters, PhD '25, reports that they are becoming acclimated to Plymouth Harbor where they moved upon giving up their condominium. He and Helen find most of the residents very friendly and they are glad they made the move. They retired in Sarasota, FL.

Russell W. Peterson, PhD '42, took the oath of office on January 23, 1978 as director of Congress' Office of Technology Assessment. His appointment was received with much enthusiasm in Congress since he is expected to bring to the office a wealth of experience useful in integrating technology with social and political problems. Following his term as Governor of Delaware he served as chairman of the Council on Environmental Quality and recently as president of New Directions.

Everett H. Pryde, PhD '49, continues at the Northern Regional Research Center in Peoria. He is currently editing a monograph on fatty acid chemistry for the American Oil Chemists' Society.

Gregory Ralston, Postdoc '73, was a Madison visitor last February. He appreciated the article on Dr. Williams and the ultracentrifuge since they were closely associated while Greg was in Madison. He is at the University of Sydney in the department of biochemistry.

Steven C. Rifkin, PhD '76, has joined the staff of Eastman Kodak in Rochester.

Alan Locke, PhD '75, goes to Case Western Reserve where he will take the spot in history of science and technology recently vacated by Reese Jenkins.

James H. Rosenow, BS '65, has been in England for the past two years but returned to Oklahoma last winter. He is with Conoco in Ponca City.

Robert W. Rosenthal, PhD '49, is enjoying semi-retirement teaching organic at Florida International U and going on occasional cruises.

Robin W. Rosser, PhD '77, is now at Hughes Aircraft in Culver City, CA.

Donald A. Roth, PhD '44, continues his investigation on fatty acids in human plasma at Wisconsin Medical College.

Marie Mercury Roth, PhD '52, reports that she spends the fall

Templeton's Experiment

Charles C. Templeton, PhD '48, upon learning that his firm, Shell Oil, had approved a plan for matching employee gifts to universities and other approved institutions on a 2 for 1 basis, sent a \$25 check to the Editor—said check to be turned over to the UW, hopefully assigned to the Chemistry Department for suitable use. The experiment was made with two goals: 1) to find out if Shell really meant it, and 2) to learn whether the Chem. Dept. might benefit from such a contribution.

The Editor was sorely tempted to divert the check to the BC account but, particularly since Chuck had already made a generous contribution to BC, he refrained and passed the letter and check on to his Chairman Dennis Evans, who diverted it to Associate Chairman Edwin Larsen, who knew exactly what to do with it.

A fund, No. 137, had already been established at the University of Wisconsin Foundation for exactly such gifts as Chuck's. Ed forwarded check and letter to the Foundation—they deposited the gift and filled out the Shell form and sent it to the company. Fund No. 137 makes it possible for the Chem. Dept. to receive gifts to be used for purposes which may otherwise be forbidden by state or university regulations. The answer to both of Chuck's questions is, "Yes".

Dr. Larsen reports that the Shell Companies' Foundation has been making a contribution to the Department via gifts to the Regents for many years.

term at the UW Center in West Bend each year.

Mrs. Farrington Daniels recently raised a question encountered in preparing a list of Dr. Daniels' PhD's in connection with the biography she has now finished. The question: Were both Don Saunders in the departmental list of students really Dr. Daniels'? The answer proved to be "No." **Donald Jackson Saunders**, PhD '40, was a student of Prof. James Walton and is now with Allied Chemical in NJ. **Donald F. Saunders**, PhD '50, was Prof. Daniels' student and is now with Texas Instrument in Dallas.

Harold A. Schneider, BS '34 (PhD Biochem) says the item about Har-

old Rusch, BA '31, last year reminded him of Professor Steenbock suggesting he study the nutritional effect of selenium on rats. After wangling some Se salts from Prof. Meloche, Howard found them to be toxic and so reported (*Science* 1936). Now nutritionists know that small quantities of Se are essential for animal life. Howard is Director of the Institute of Nutrition at the U of North Carolina. He recently saw publication of *Nutritional Support of Medical Practice* which, it is hoped, will stimulate greater emphasis on nutrition in medical education.

Harry P. Schultz, BS '42, PhD '46, sent a copy of the first issue of *UM Chem*, the newsletter of his department of University of Miami in Coral Gables. Harry found enough time from his other obligations, including chairmanship of the department since 1972, to put together a very attractive newsletter for the 2000 alumni of his department. The school originated in 1926 and recently celebrated its first half century. We extend our best wishes to Harry in his editorial activities. (If other Badger Chemists are producing newsletters in their schools, we would like to see copies—Ed.)

Carl Seidel, BS '59, is with the New England Nuclear Corporations' Nuclear Medicine and Technology Center in North Billerica, MA as assistant manager of the Nuclides and Sources Division. He also chairs a subcommittee writing standards for radiation measurement equipment.

Shrenik K. Shah, PhD '77, is a postdoc at U of Illinois.

Dalton L. Shinn, PhD '35, provided the whereabouts of Karl Baumann, mentioned last year in the shop article as being Lee Henke's associate in the thirties. Karl was with an instrument company after leaving Madison until retirement to Shorewood Hills Road, Lake Mills, WI. Dalton is in Camas, WA.

Alvin W. Singer, BA '32, has retired from teaching at Tennessee Tech and lives at 1107 Spyglass Dr., Eugene, OR.

Herbert J. Sipe, Jr., PhD '69, is chairman of the chemistry dept., at Hampden-Sidney College where he has been active on a council setting up an honors program. He started a frosh honors seminar in physical science last spring. He extends regards to Sheldon Kopperl, '70.

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This 'n' That . . .

(Continued from page 17)

Thor L. Smith, PhD '48, will receive the Bingham Medal of the Society of Rheology in October. Past medalists include: Prof. John D. Ferry, Arthur S. Lodge, and Prof. R. Byron Bird, PhD '50, Vilas Professor of Chem Engineering at the UW.

Harold H. Snyder, PhD '45, sent a generous check from Wilmington with the comment, "I get a little concerned over your habit of deficit financing and trust the enclosed will be of some assistance." (Thanks, Ed.)

Victor G. Soukup, PhD '53, operates a consulting firm dealing with chemicals, plastics, and management at 338 Compton Rd., Cincinnati.

Lynn R. Sousa, PhD '71, is associate professor at Ball State, Muncie, IN, a move from Michigan State.

Willard F. Spengeman, PhD '35, retired from Du Pont six years ago. He lives at 1211 Redleaf Rd., Wilmington. Last winter he ran into classmate Clair Sawyer, BS '30, PhD '38, in Sun City, AZ—first meeting in 47 years.

James R. Spindler, BS '55, is manager of quality control with Travenol.

Marshall R. Sprinkle, PhD '32, reports that many of his 45,000 loblolly pines are now 6-8 inches in diameter and 40 feet tall. Some quotes: "Professor Schuette did a great service when he started *Badger Chemist* . . . with people constantly on the move . . . it provides a common meeting place where friends of years gone by can come together again." He recalls Les Holt as a roommate at the AXE house, and Steve Freeman. He also recalled Mrs. Hall's Thanksgiving dinner for Prof. Hall's grad students in 1930.

Stuart Staley, Postdoc (Zimmerman) is now at U of Nebraska, having moved from Maryland.

Frederick J. Stare, BS '31, offered a short course in "Nutrition—Personal and National" at locations of the Eastern and Western Circuits of the Chautauqua-Type Short Courses for College Teachers sponsored by the AAAS with support from NSF.

John H. Steele, MS '32, retired in '72 after 17 years as chemist for Illinois Power Co. In Sept. '77 he moved to 1220 Alpine Place, Loveland, CO.

BOOK REVIEW

Guy Alexander, *Chromatography, An Adventure in Graduate School*, American Chemical Soc., Washington, 1977, 165 pp. \$7.50 cloth; \$4.50 paper.

Among books published by Badger Chemists last year was this non-text with a double objective: to present the basic principles of chromatography to younger students and to do so through an autobiographical format which would depict graduate student life. The book is a product of the Chemistry in Action series sponsored by the ACS.

Since the scene was laid at Wisconsin in the mid-forties the book contains many references to faculty—Meloche, Hall, Holt, and to others—Ralph Helmke, quant supply clerk for example. Also, it portrays rather well the life of a married graduate student in that day—his PhD was taken in 1947 under Mel, the research dealing with the use of Amberlite IR-4B in ion exchange chromatography.

Guy came to Wisconsin from U of Utah, BS '41, MS '42. He was with Monsanto's Dayton lab in the war years, and with Du Pont for 20 years after graduation. He is now director of research at Fansteel, Inc., in Salt Lake City and adjunct professor at U of Utah.

Lawrence Stein, PhD '52, reports enjoying his work on noble gases at Argonne National Lab. In '76 he and his family spent 3 months at Oxford where he started a new project, gave some invited lectures, visited labs, and enjoyed some family trips to Scotland and Wales.

Calvin Stevens, PhD '47, professor and former chairman at Wayne State U in Detroit, now spends each winter at U of Miami.

Frank Strong, PhD '33, recently phoned to inquire about the whereabouts of members of his class of PhD's in organic who worked with Adkins and McElvain. He knew that Art Cope and John Snell are deceased, but wondered about three of the others: Ray Houtz is at 866 NE Beacon Dr., Port Charlotte, FL; Nels Minne is at 721 Main, Winona, MN; Conrad "Red" Walde-land is at Washington and Jefferson College, Washington, PA.

Marjorie Huber Svoboda, BS '43, MS '47, reports on her biochemical research at U of North Carolina

where she soon hopes to have enough SMS separated from blood to "begin work as a chemist."

David R. Taylor, MS '72, PhD '76, sends his correct address at Colorado State U at Fort Collins.

Charles C. Templeton, PhD '48, wrote about being pleased to see the Editor at the UW party at the Chicago ACS meeting but was shocked to realize that except for faculty, he, Peggy Hurst, PhD '56, and Mary Jane Oestmann, PhD '54, were the oldest alumni present. Chuck expresses pleasure at the selection of Irv. Shain as Chancellor and comments, "Chemists certainly do their share running the Madison campus."

Quentin E. Thompson, PhD '51, is a Senior Research Fellow at Monsanto in St. Louis working on new products and processes.

Ignacio Tinoco, Jr., PhD '54, is senior author of *Physical Chemistry, Principles and Applications in Biological Sciences*. He is at U of California—Berkeley.

Thomas N. Tischer, PhD '62, of Rochester, NY regrets the dilution of recognizable names through the years.

John E. Trend, PhD '76, is now at 3M after a postdoc at U of Pittsburgh.

Charles H. Trottman, PhD '72, received his tenure promotion to associate professor at Jackson State U in Mississippi. He is director of an NSF-funded development program for teachers of pre-college students. The year-long program is aimed at upgrading science instruction by improving subject matter background. He has 40 teachers in the program for '78-'79. He recently presented papers on his research on toxicology of toxaphene at the FASEB meeting at Atlanta City and at symposia in Atlanta and Houston.

Charles W. Tullock, PhD '38, retired from the Du Pont Co. in November '77 after 39 years service as a research chemist at the Du Pont Experimental Station, Wilmington. The service includes 3½ years active duty in the Chemical Warfare Section during WW II; overseas duty included time in mainland China. He is now assisting the science departments of a local high school on a volunteer basis.

Marjorie Uhalde, PhD '72, is a student at the Medical College of Pennsylvania.

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This 'n' That . . .

(Continued from page 18)

Mary C. Uhing, PhD '78 with Yu, is working on synthetic polymer chemistry at Borg-Warner in Des Plaines, IL.

Jeffrey A. Ulman, wrote from Vestal, NY that although he had received his doctorate with Prof. Gaines in '74 he has never received the BC (Sorry about that. Addresses of recent grads frequently change so we lose some of you in these days when mail is seldom forwarded or returned. Ed.).

Marion H. Veazey, PhD '26, attended a mini-reunion of his Oberlin class of '21 in May '77 and visited various friends and relations in Ohio and Michigan. Later they visited children in New England. He and Daisy visited Boston on their 49th wedding anniversary on August 11. In October they visited Madison for several days and recalled Marion's student days with Professors Svedberg, Daniels, Williams, et al. (Marion recalled to the editor, during a delightful evening together, the trauma of teaching under Kahlenberg and doing research under Mathews.)

Henry A. Vogel, BS '37, PhD '41, retired in '76 as Manager of the Atmospheric Test Field, Coatings and Resins Div., PPG Industries in Ft. Lauderdale, FL since 1970. He had previously been Research Director for PPG at Pittsburgh. He now lives in a condominium next to the third hole of a golf course in Boca Raton, FL.

John J. Vollmer, Postdoc '68-69, has moved from Yale to Mills College in Oakland, CA.

John F. Voza, PhD '48, reports his address as 331 S. Alvernon Way #10, Tucson, AZ.

Thomas G. Waddell, BS '66, reports that they have 8 staff members and over 100 chem majors at U of Tennessee in Chattanooga.

Joseph Walker, PhD '50, writes, "Dr. Schuette was a fine man who made a considerable contribution to the University of Wisconsin and all who studied under him." Joe is associate director of the Petrochemical, Analytical and Corrosion Research Division for Union Oil in Brea, CA.

Carol Herman Wallace, PhD '49, reports that she taught physical science at KSU in Astabula in '76 and is presently teaching freshman chem at Notre Dame College in Cleveland. She has children at Purdue, McGill and Kent State.

DAHL BECOMES RUNDLE PROFESSOR

Professor Lawrence F. Dahl was one of the four faculty members at the University of Wisconsin - Madison who were selected to receive named professorships to support their research over the next five years. Each professorship is funded by the University's Graduate School and provides \$35,000 over five years for research equipment, supplies and student assistance. Dahl is active in x-ray crystallography and has developed excellent facilities in the department for such studies. He is particularly interested in the structure of inorganic carbonyl compounds.



before an Alfred P. Sloan Fellow, a Guggenheim Fellow and in 1974, received the American Chemical Society Award in Inorganic Chemistry. He has earned an international reputation in the field of transition metal compounds. At Iowa State University he studied under the late Prof. Robert E. Rundle, whom the named professorship honors and whom Professor Dahl credits as being "responsible more than any other individual for my scientific career."

Charles C. Watson, PhD '38, found BC #24 to be particularly rich in news of people he knew. He remarked also on the varied careers evident in reading about graduates. Charles and a classmate in chem engineering, Melvin J. Sterba, conducted a newsletter for members of their class of '32 for many years. They heard from most members of the class each year. Unfortunately, Mel Sterba died of heart failure last fall. Dr. Watson is now retired from the chem engineering faculty.

Gary R. Weisman, PhD '76, who joined the New Hampshire department last year, sends the following news items. While he was postdocing with D.C. Cram at UCLA he ran into **David Roberts**, BS '69, who was postdocing with O. L. Chapman. Roberts is now Asst. Prof. of Organic at Rutgers. The Weisman's (wife Donna and Christopher, 2) visited **H. F. (Gil) Gilbert III**, PhD '75, and family (wife Sandra and children) in the Boston area where Gil had been postdocing with W. P. Jencks at Brandeis U. The Gilberts are now in Houston where Gil is in the Biochem Dept. of Baylor Medical School.

Earl L. Whitford, PhD '24, is pleased to see names of old friends not yet in the obit column. He still enjoys golf with "Old Boys" in Naples, FL who are as inept as he is. When someone manages a par or birdie it calls for an extra "Bloody Mary" at lunch.

Robert A. Willhnganz, BS '37, retired from General Motors in spring '77 but is so busy as a consultant on industrial pollution control in Rochester, MI that "I hardly have time for the important things of life, such as traveling and skiing." He planned to visit Israel in summer '78 for discussions of industrial pollution control at Ben Gurion U.

Lloyd Withrow, PhD '25, was a Madison visitor in October '77 at the same time as **Marion Veazey** with whom he recalled old times. Marion was responsible for passing on to the Editor a Withrow manuscript dealing with research activities at General Motors during the "Boss" Kettering Era when Dr. Withrow was pioneering in studies on flame propagation in the internal combustion engine. The ms. is an illuminating document of the problems of industrial research in the thirties. There should be more like it.

Warren W. Woessner, PhD '40, reports that he and Flora enjoyed a highlight of their lives in summer '77 at Paradise Lodge in Mt. Rainier Natl. Park while sons Walter and Warren D., PhD '71, climbed to the summit of the peak. They were then joined by Bill & Jean from Lame Deer, MT and the family spent 4 days together, isolated from the world, touring Olympic Natl. Park in the mist, rain, fog, and sun.

(Continued on page 20, col. 1)

This 'n' That . . .

(Continued from page 19)

Wai-Kwok Wong, PhD '78 with Treichel.

James C. Wootton, PhD '48, was pleased to have Dr. Schuette's bound copy of his thesis but sent no news of his activities. He is in Cincinnati.

Eugene L. Woroch, PhD '48, writes from Abbott Labs, "Enjoy immensely the Badger Chemist. Hope the tradition continues indefinitely."

Raymond Zehnpfennig, BS '36, PhD '41, a recent Madison visitor, is with Montgomery Engineers in Pasadena working on water supply and waste water problems. He had previously been with the Orange County Sanitation District.

This 'n' That—2

Howard Burkett, PhD '42, spent a sabbatical year in Bethesda, MD, with the Organic Chemistry Section of the Institute of Arthritis and Metabolic Diseases in the N.I.H. He is now back at De Pauw. He and Lucille report enjoying many of the historical sites in the Washington area.

Edward L. Clemens, PhD '77, is in the Chem. Dept. of Texas Christian U where he is a postdoc with P. D. Bartlett.

Luis Echegoyen, Postdoc '74, is in the Chem. Dept. at U of Puerto Rico.

Harry N. Huntzicker, PhD '32, is Chairman of the Board of General Portland, Inc.

Stephen W. Koontz, PhD '76, with O'Leary, is a postdoc at MIT.

John F. Marlier, PhD '78, with O'Leary, is a postdoc at Penn State U.

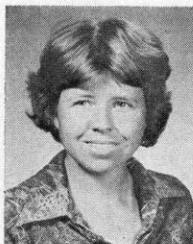
Val E. Peacock, PhD '78, is a postdoc at Oregon State.

Frederick W. Riley, BS '43, enjoys hiking in fields and forests in his retirement in Koenigsutter, W. Germany where he is also a soccer fan but misses American football.

G. Charles Dismukes, PhD '75, who completed his postdoc at Berkeley is assistant professor of chemistry at Princeton.

Gerald H. Morine, PhD '75, is a postdoc at U of Missouri.

MARY WIRTH JOINS FACULTY



The Analytical Chemistry program of the department is strengthened this fall by the appointment of **Mary Jean Wirth**, a recent graduate of Purdue where she worked with Professor Fred E. Lytle. She did her undergraduate work at Northern Illinois University where she received her B.S. magna cum laude in 1974.

Born in Joliet, IL in 1953, Mary received the Undergraduate Analytical Chemistry Award at NIU. She served as a teaching assistant there and also at Purdue. Her undergraduate research dealt with liquid chromatographic separations of transition metals using immobilized ligand columns. At Purdue, she was the recipient of an American Assn. of University Women Fellowship. Her dissertation, titled "Investigations of Two-Photon Spectroscopy for Chemical Analysis," resulted in two papers, a book chapter, and two presentations at national meetings.

She plans to continue research in the area of nonlinear spectroscopy with focus on picosecond vibrational relaxation processes in fluid solution. Her work will complement the already strong program of spectroscopic studies going on in the department.

KAHLENBERG ANECDOTES

William Jensen, a doctoral candidate in the department, is collecting anecdotes concerning the late Professor Louis Kahlenberg with long-range plans of providing archival materials for use in writing a biography of Dr. Kahlenberg. Former students, colleagues, and friends of Dr. Kahlenberg are asked to share any anecdotes or reminiscences they have. Please contact: William B. Jensen, Department of Chemistry, University of Wisconsin-Madison, Madison, WI 53706.

50-YEAR MEMBERS—ACS

Badger Chemists honored for a half century of membership in ACS in 1978 are:

Ralph Connor, PhD '32, of Sun City, AZ.

Marion H. Veazey, PhD '25, of Hagerstown, MD.

In 1975 we failed to include such a list so we rectify the oversight now. The only name noticed was:

Walter M. Kutz, PhD '30, of Santa Rosa, CA.

If we have overlooked anyone, our apologies. If you'll mention it, we'll carry it in the next issue.

Your support is essential if Badger Chemist is to continue. Present condition of Exchequer is: Total lack of funds! (See Editorial, p. 2.) Please save the editor (again!) by sending appropriate sweetener to:

Aaron J. Ihde, Editor
Badger Chemist
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1101 University Avenue
Madison, WI 53706