



LIBRARIES

UNIVERSITY OF WISCONSIN-MADISON

Badger chemist : a newsletter from the Department of Chemistry of the University of Wisconsin. Newsletter 10 Spring 1963

University of Wisconsin--Madison. ; Dept. of Chemistry
Madison, Wisconsin: Dept. of Chemistry, University of Wisconsin,
Spring 1963

<https://digital.library.wisc.edu/1711.dl/66YCJIVSAA6SF8S>

<http://rightsstatements.org/vocab/InC/1.0/>

For information on re-use, see

<http://digital.library.wisc.edu/1711.dl/Copyright>

The libraries provide public access to a wide range of material, including online exhibits, digitized collections, archival finding aids, our catalog, online articles, and a growing range of materials in many media.

When possible, we provide rights information in catalog records, finding aids, and other metadata that accompanies collections or items. However, it is always the user's obligation to evaluate copyright and rights issues in light of their own use.

BADGER CHEMIST

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

Newsletter 10

Spring, 1963



Shown above are Dr. Frisch, Graduate School Dean John Willard, Prof. Margrave, and Departmental Chairman John Ferry.

University's 1,000th Top Degree in Chemistry Conferred Upon a Co-ed

Exactly 64 years ago the University of Wisconsin conferred upon a chemistry major the Ph.D. degree. This event has historical significance in that it marked the first step in a program of graduate instruction which, in its earlier stages, appears to have followed the pattern set up by German universities. It had been introduced by the late Professor Louis Kahlenberg a year after his return from the University of Leipzig.

A second milestone was achieved at summer session's end in 1962 when the 1000-mark was reached

in the Department. As it was in the beginning of the count so it ended—on a physical chemistry subject. But there the similarity ends. To an attractive brunette, keen-minded, scholarly Margaret A. Frisch, an alumna of Nazareth College of Rochester, N. Y., went the distinction of having helped the Department reach what is, statistically, perhaps the most important event in its history. No other department on the campus can match it.

Margaret began her graduate career at Wisconsin as a teaching

assistant and completed it as a research assistant to Prof. John L. Margrave. She has a deep interest in space science and had been leader of Madison's sky-watching team tracking satellites for the Smithsonian Institute. Her plans at this writing are to spend a year on a post-doctoral fellowship at Queen's University in Belfast, Ireland. She is the 23rd woman to attain doctoral status in chemistry at Wisconsin. The first woman to earn the degree in chemistry in the Department is Wellesley's chemistry department some-time chairman Philippa Garth Gilchrist. Her degree was conferred in 1931. The monopoly on this Ph.D. degree which the men enjoyed until that time has come to an end. Her major professor was Dr. Schuette.

BADGER CHEMIST

Privately published by the Department of Chemistry of the University of Wisconsin, Madison, with the assistance of its alumni.

Editor

Henry A. Schuette, Ph.D. '16

Associates

Aaron J. Ihde, Ph.D. '41

Edwin M. Larsen, B.S. '37, Ph.D. (Ohio State '42)

Villiers W. Meloche, Ph.D. '26

Please address all communications to

The Editor
Chemistry Building
Madison 6, Wisconsin

Ye Editor's Corner

Some twenty years ago the executive director of the Wisconsin Alumni Association sold the University administration—Clarence A. Dykstra was then president—on the idea that it would be good public relations to give recognition in some form at Commencement time to its living graduates of "senior citizen" age possessing the bachelor's degree. This suggestion prompted the formation of the University's Half Century Club. It is exclusive—but only mildly so—to the extent that in June its potential members, having completed a fifty-year "probationary period", are invited by the University's president to return to the campus for the Golden Jubilee of their class and to participate in the formal admission of the group to the Half Century Club at University-sponsored luncheon.

Our hundred-year old Department, now on its way with a seven-year "credit" towards its second century of activity, reached a significant milestone in its life in August, 1962, when the University conferred the Ph.D. degree upon the one thousandth chemistry major. And with this impressive record—no other department in the University is even close to it—chemistry is now in a position to follow the above-described precedent of giving recognition to its graduates by setting up a really exclusive club whose prerequisite for membership is Badger chemist status and possession of the University's highest degree, the Ph.D. Like the club named above, ours

Our Newest Alumni

Last fiscal year's rate of growth of our alumni list was not maintained in 1961–1962. Some 11 fewer diplomas—the total was 82—were given to the Department's graduates in the three groups of chemists than in the preceding period. The drop was due to the decrease in the number of master's degrees granted. There were only 17 successful candidates in this category in contrast to 30 the year before. The 33-member Ph.D. group exceeded in number that of the bachelors by two. It brought the total number of individuals upon whom this, the University's highest degree, had been conferred since 1899 to 996. (The four-point deficit short of the predicted one-thousand mark was wiped out during the 1962 summer session).

Seven of the 31 graduating seniors were privileged to wear the fourragere at Honors Convocation and again at Commencement as evidence of having achieved a distinguished scholarship rating. Their names, followed by that of their town, are Theodore F. Bolles, West

would operate without benefit of constitution, by laws and, we hope, dues. The business of this rather informal organization could be easily taken care of by one officer—we will tentatively call him the executive secretary—on the Madison scene acting as a one-man steering committee, and a president serving in an advisory capacity. Selected for this position should be, preferably, one who has not only brought much credit to Wisconsin and to those who guided him in his work during his graduate career, but has also reached the upper echelons of management or its equivalent, in the organization employing him. The position, quite properly, could be deemed to be an honorary one.

Won't you, please, (1) tell us what you think of the idea of a 1000-Club of Ph.D.'s and (2) suggest incumbents for the two positions in question?

Picture Credits

L. S. Siness to Willard Steward, Inc., Wilmington, Del. All others to Univ. of Wis. Ext. Div., Dept. of Photography.

Salem; Ralph G. Czerepinski, Madison; John A. Diddams, Schofield; Daniel J. Hoy, Fredonia; Forrest M. Miller, Racine; Robert O. Pick, Prairie du Sac; and Donnah K. Seiler, Green Bay. Diddams, Hoy and Miss Seiler had added election to Phi Beta Kappa to their honors.

Our senior class was predominately "home grown" in that only two of them had been registered as non-residents. Some 21 Wisconsin communities are represented in the list, Madison leading with seven and Racine and Kenosha with two each. Two came from neighboring Illinois.

Exactly 18 graduates received the M.S. degree during fiscal year 1961–62. Upon seven of this number the degree was conferred at summer session's end in 1961. The January '62 group consisted of one less and the June group was made up of five. A survey of the geographical distribution of the schools at which the individuals in this class earned their first degree shows that among the group five prepared for graduate work at Wisconsin in the schools of foreign countries (Germany, Japan, Pakistan, and Venezuela), and five Mid-western, four Atlantic seaboard states and a lone southern state are represented here.

The 32 students upon whom the doctorate was conferred during fiscal year 1961–62 are alumni, collectively, of colleges and universities in 16 different states, and three far Eastern areas. A lone Canadian university (Alberta) sent the Department three of its graduates. Exactly 11 of our new Badger chemists took positions in industry, a like number accepted post doctoral fellowships, six have affiliated with educational institutions. The two women in the class married fellow classmates. One man returned to his native Canada to take employment with the Atomic Energy Commission there and one, an American, entered the same field of activity here.

Graduating at Summer Session's end in 1961 were: Harvardman Gottfried Brieger, who joined the faculty of the University of California at Berkeley; Michigan alumnus Frank T. Greene, who continued his formal education as a post-doctoral fellow at Kansas; Walter

(Continued on page 3, col. 1)

Alumni . . .

(Continued from page 2)

E. Kimoto of the University of Hawaii, who entered the employ of American Oil Company, Gail Rita Flourde—she is now Mrs. Theodore J. Sokolowski—an alumna of Michigan State University; and Wm. M. Schwarz, Jr., who prepared for graduate work at Penn State and remained at Wisconsin as a postdoctoral fellow.

The January '62 class of 20 members appears to have set a record for size. It includes not only those graduating at the end of the first semester of the school year 1961-62 but also those who had completed the requirements for the degree after summer session's end in 1961. Eight of the class are continuing their formal education beyond the doctorate via the postdoctoral route. Texan Paul E. Cade is the University of Chicago; Bernard M. Goldschmidt, a C.C.N.Y. alumnus, is at State University of New York; Brown alumnus Chas. S. Kraihanzel, at last report, chose work at Massachusetts Institute of Technology; Jos. J. Tufariella, a Queens alumnus, went to Purdue University; Willamette University grad James F. Verdick, in his eastward trek from Oregon, was, at last report, at Columbia University; Linda S. Whatley, Newcomb College, remained in Madison for further study; Portland University alumnus Neil F. Woolsey, at last report, was in England at Imperial college with Professor Barton, and Kay Guey-Shuang Wu, a National Taiwan graduate, went to UCLA on the west coast.

Three members of the class have begun careers as educators. Stanford alumnus Steven V. Filseth joined the faculty of Harvey Mudd College. Paul R. Geissler returned to his alma mater St. Peters College in Jersey City, and Bridge-water alumnus Dale L. Wamper is teaching chemistry at Juniata College, Huntingdon, Pa. The only foreigner in the class, Tao-I. Chiang, a graduate of National Central University in Nanking, went with Canadian Copper; Lloyd H. Dreger of Oshkosh State Teachers College, is now an Allis-Chalmers employee; Paul J. Krapp, Jr. who prepared for Wisconsin at Notre Dame, joined the Badger chemist research group of Procter & Gamble; Robert C. Paule, a University of Florida graduate, is with Esso Research and Engineering; University of Michigan alumnus

Then and Now: Chemistry's Quarters

Another milestone in the history of the growth of the facilities for instruction in chemistry at the University, insofar as they affected the Department, was passed early in July, 1962, when the Chemistry Research Building at 1112 West Johnson Street was completed, and ready for occupancy. And behind that marker are at least five others of comparable historical importance in this phase of the Department's past.

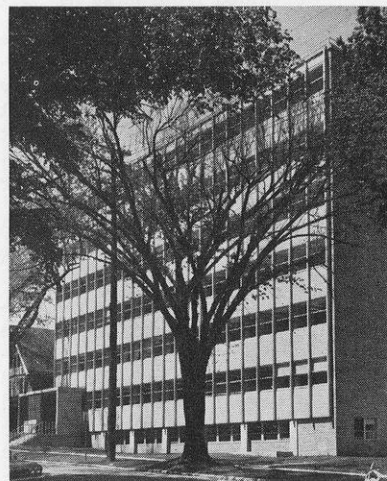
It was in the mid-fifties over a century ago that the professor of chemistry and natural history met his classes in a room in South Dormitory, a building which we now know as South Hall. When John Bascom arrived on the campus in 1874 to take up his duties as presi-

Robert A. Stenger accepted Du Pont's offer of a job; Richard J. Rimmens, of Michigan's Albion College, is with Scott and Company; Marquette College graduate Thos. N. Tisher, is an Eastman employee and Stephen S. Wise, an Oberlin graduate, is with United Aircraft. The only member of this group to enter public service is San Jose alumnus Kenneth E. Collins now at Brookhaven.

Only one member of the Ph.D. class of June '62 is continuing his formal education beyond the doctorate—without benefit of another earned degree—is David L. Powell. Badger chemist Powell is an Oberlin alumnus. He is in residence at the University of Minnesota. Education has attracted two of the class: Vernon B. Haarstad, one of our trio of alumni of the University of Alberta, is at Tulane University of Louisiana, and Stephen D. Morton, son of a Wisconsin faculty member, joined the chemistry faculty of Otterbine College. Three classmates took positions in Industry: Badger chemist Robert S. Moore is with Bell Telephone, Hong Kong alumnus Hsien Y. Niu, entered the employ of Wyandotte Chemicals, and Stevens Point State College (Wisconsin) alumna Mildred Jane Taraszka is a research chemist at Upjohn. Alberta alumnus John Paul Misland returned to Canada for a position with its Atomic Energy Commission and Barbara J. Shortreed, who also is an Alberta graduate, married assistant professor of chemistry Howard W. Whitlock, Jr., Ph.D. '61.

dent of the University, the only building available at that time for general instructional purposes was University Hall (now Bascom) for North Hall and South Hall were then being utilized entirely as dormitories for the girls. Chemistry was given quarters in the basement of this building. It was not until some years later that it achieved the dignity of a specialty with the creation of a chair of chemistry independent of any other sciences. The incumbent was W. W. Daniels, some-time professor of agriculture and analytical chemistry.

Chemistry and the other scientific departments for the first time



were given suitable quarters under one roof in 1877 when the then newly built (old) Science Hall was ready for occupancy. It was a tenure, however, which was to be short. Fire one cold December night in 1884 destroyed the building and its contents. As a result of that fire, chemistry for the first time in its then thirty year life found itself comfortably housed in quarters sufficient for its needs close to its former home and with lake frontage—and its name over the entrance door. The building now bears the prosaic name of "600 North Park". Five years after the turn of the present century the Department moved into a new building—on University Avenue. The building in its original form had a shape suggestive of a Maltese cross. Unfortunately, however, the funds at the disposal of the regents prevented them from erecting a modern, fireproof building.

(Continued on page 4, col. 1)

This 'n' That About Our Alumni

Richard R. Adachi, B.S. '47 (Ch.C.), is employed by Stanford Research Institute, Menlo Park, Calif., as a biochemist. He was at one time a member of the (Wisconsin) state chemist's staff.

Maine alumnus **David F. Akeley**, Ph.D. '53, has been a Du Point employee since 1954. He completed his graduate studies at Wisconsin on a Visking Company fellowship. At last report he was in the Textile Fibers Department.

An eighteen-year association with the University of Wichita

(Kansas) as head of its physics department was broken on July 1, 1961, when Rensselaer alumnus (B.S. '22) **Penrose S. Albright**, Ph.D. '36, was made professor emeritus of physics. Before that he had served Southwestern College, Winfield, Kan., for a like term.

Found at long last is **Harry O. Allen**, Ph.B. '35, who is a member of the faculty of Stevens Point (Wisconsin) College.

We have learned that **Alexander R. Amell**, Ph.D. '50, now heads the Chemistry Department of the University of New Hampshire in Durham.

The name **Andrews** appears in the University directory for the second time since the twenties. Chemistry courseman **Arthur Clinton Andrews** is a two-degree Badger chemist, B.S. '24 and Ph.D. '38. His son **Frank E.** Kansas State University '54, Harvard, Ph.D. '60, is now a Madison resident as assistant professor of theoretical chemistry.

Leslie H. Andrews, M.S. '28, was a campus visitor at commencement time, renewing acquaintances on the occasion of his graduation from college (B.S. '27) and that of his son **Peter E.**, a member of the 1961 Commerce Course class. **Leslie**, a Pittsburgh Ph.D., is affiliated with Marathon Division of American Can Company, Green Bay, as technical superintendent. **Leslie** has been with Marathon and its predecessor Northern Paper Mills, for 22 years.

We have learned that **John N. Ashworth**, Ph.D. '48, is now a staff member of National Institutes of Health in its division of biologic standards. He is serving the laboratory of blood and blood products as its assistant chief; and in this capacity he is assisting in administering a Federal law which controls the production of biologicals, in his case blood and blood products. "It is a little legal at times," **John** writes, "but still allows opportunity for breaking beakers and twirling dials!"

Cornell alumnus (A.B. '37) **Clayton L. Baldwin, Jr.**, M.A. '40, spent about a year after graduation in the employ of Great Western Sugar Company at its Las Aminos, Colo. plant. Then he made a connection with Exchange Lemon Products of Corona, California. It

is an association which has remained unbroken since then, one that saw "Baldy" advance from control to experimental chemist and then to plant sanitarian; and his employer's corporate structure to become the Lemon Products Division of Sun-kist Growers. "Baldy's" new position led to an active participation in the work of a West Coast food association which we understand, has now grown to include two others of like interests and objectives, the present Institute of Sanitation Management (ISM). He married junior high school teacher, **Claudia Price**, in 1947. She has borne him two daughters.

Word has come to us that **George W. Batchelder**, Ph.D. '32, has left Aerojet-General Corporation. He is still living in Santa Monica, Calif., but is now with Douglas Aircraft.

The **John V. Bergens** (**Ann Ratcliff** B.S. '57) have a new house address in Pocatello, Ida., 1936 East Center Street. In their new location, we understand, they have a magnificent view of the mountains—snow-caved in season—and a wonderful "twinkle-full" view of the city's lights. If **Ann's** plans as announced in her 1961 Christmas letter have materialized, she is now serving Idaho State College as science librarian.

Teaching assistants **Carleton** College alumna **Kathleen (Kathy) A. Brown** and **E. LeRoy (Lee) Bjerke**, Eau Claire State Teacher's College graduate—both are Badger chemists "on probation" as Master degree candidates—exchanged marriage vows on 18 August 1962, in Minneapolis, **Kathleen's** home town.

Irene M. Boerschinger, B.S. '61, and **Helmut K. Unger**, B.S. '62, exchanged nuptial vows in Madison on 6 June, 1962. Our newlyweds are living in Midland, Mich., where both, we understand, are employed by Dow Chemical. **Badger Chemist** extends a congratulatory hand to the Ungers and wishes them all possible happiness in a community where they will find a sizable Colony of Wisconsin alumni of kindred interests.

Cornell alumnus (B. Chem '17) and sometime Du Pont Fellow **Frederick L. Browne**, Ph.D. '21, resigned his Forest Products Laboratory post early in July, 1962, upon completing a 41-year service record there. He joined the Laboratory in 1918 after having served the College of Charlestown for one

(Continued on page 5, col. 1)

Quarters

Continued from page 3)

It became in time the core of the present structure and its ugly exterior was eventually hidden, by successive additions to front, west and east facades with the result that "old chemistry" now presented a fairly pleasing picture for a building of its type.

On floors four to six of our new air-conditioned Chemistry Research Building will be found the quarters for the "organic" group. Instrumental and macromolecule (colloid) research have been relocated and now are housed in this building. Here, too, will be found the laboratories for undergraduate work in physical chemistry. The new Theoretical Chemistry Institute occupies part of the second floor, and space in an old frame house across the street.

Plans are now in the making for an addition to the building, because there is need for research facilities in physical, inorganic, analytical, and radio chemistry. If the undergraduate enrollment increases to the predicted size, the 1970 population will exceed our capacity; and some space may have to be retained in the old building. Pharmacy has moved into the space vacated by the chemists and now occupies all of the west wing except for the first floor.

The center section—we have referred to it above as the core—will eventually be demolished and rebuilt, and most of the east wing will be turned over intact to other departments.

If all goes well (as hopefully planned) the Department will be again unified by the fall of 1966; and the 1100 block of West Johnson Street will have a new look.

Firearms Identification

The results of some forty years of work in ballistics research by emeritus Professor J. Howard Mathews found expression in a two-volume set of books published last December by the University of Wisconsin Press. It is a "monumental work" in which has been assembled for handy reference a

methods of restoration of serial numbers, and numerous related topics. Volume One is divided into three parts: laboratory identification of small firearms, rifling characteristics in hand guns, and miscellaneous notes on automatic pistols. Volume Two is illustrative. It contains original photographs of



Dr. J. Howard Mathews

wealth of authoritative information on the investigation of small arms, their identification, and that of bullets fired through them.

On its pages—there are about 928 of them—will be found some three thousand superb photographs of his own making of specimens originating in 23 countries. In them are discussed new techniques—some of them were done with apparatus of his own development—

pistols and revolvers arranged by caliber; other illustrations of hand guns arranged alphabetically; photographs of trade marks, firing pin impressions, and other identification marks. It is, without doubt, a valuable contribution to a highly specialized field, a "vade mecum" for those involved with or interested in small firearms identification from the forensic standpoint. The set is priced at \$40.00.

This 'n' That . . .

(Continued from page 4)

year as professor of Chemistry and Physics. His first research assignment was a study of casein glues for the wood airplanes of that period. He later established the Laboratory's paint section. The Brownes plan to remain in Madison where he will continue his work as a section editor of Chemical Abstracts, a service which he has performed for ACS since 1919.

We have learned that Eastman Kodak's senior research associate

Burt H. Carroll, Ph.D. '22, retired last January (1962) and that he is now a staff member with professor's rank of Rochester's Institute of Photography.

Carlton alumnus John F. Castle, Ph.D. '44, has moved up at Du Pont's Central Research Department to assistant laboratory director.

LaVerne F. Clifcorn, Ph.D. '34, took leave in January (1962) from Crown Cork and Seal of Philadelphia, which he serves as consultant, to give professional assistance to industry in Saigon, Viet Nam.

Notes on a pleasant visit last August (1962) with Glen H. Damon, Ph.D. '32 who at the time was homeward bound from the west coast. All three children have an association with chemistry. Son Paul, a graduate of Carnegie Tech. is employed by Aerojet Corporation at Sacramento, Calif., and his younger brother, Keith, a Rensselaer alumnus, is a research assistant in our Department of Chemical Engineering. Daughter Carolyn is pursuing graduate studies in biochemistry at Purdue.

Milford A. Cowley, Ph.D. '33, took his first step towards Badger chemist status when he, a former Eau Claire State Teachers College student, enrolled at Wisconsin as a senior in September, 1929. His superior record that year brought him a scholarship on graduation, Ph.B. '30. At schoolyear's end he won the masters degree (Ph.M.) and then, reappointed to his scholarship, he continued his graduate work to completion in 1933 on a University fellowship. On leaving the campus he headed for La Crosse to fill a position on the faculty of State Teachers College there in chemistry, general biology and, in the junior high school of its Training School, in science and algebra. This arrangement continued until 1938 when he was named chairman of the chemistry department. During his chairmanship he has seen and been a part of the remarkable growth of a school whose foundation was a "normal" school of relatively low student population. It now has college status with some 2100 students as of September, 1962. Over twenty-five per cent of them are enrolled in chemistry courses, taught by a staff which now consists of six teachers above the instructor level, three full-time laboratory instructors and three senior student assistants. We understand that La Crosse chemistry majors are readily finding employment in industry, a decided contrast to the situation that existed in the early thirties. Another evidence of growth is seen in the fact that some nine of the chemistry department's graduates—the chemistry major program there is only ten years old—are now in graduate work in chemistry in universities which range, alphabetically from Alaska to Wisconsin.

Chemistry course graduate, Stephen D. Darling, B.S. '54, '59, spent the first two years of his
(Continued on page 6, col. 1)

This 'n' That . . .

(Continued from page 5)

career at Columbia as a National Science Foundation fellow. Appointment to a Du Pont-supported teaching fellowship followed, and then he continued his studies at Columbia as a postdoctoral fellow. Until August, 1962. School year's opening found him in Los Angeles as an assistant professor at the University of Southern California.

Max Douglas, M.S. '57, is employed by the Ohio Oil Company. He may be addressed 701 W. Beech Street, Robinson, Ill. For relaxation, and change of scenery he returns frequently to the family farm to help his father. We presume that the family concentrates its efforts on hogs, some of which are annually exhibited at the Indiana State Fair.

Paul L. DuBrow, M.S. '40, representing Armour Industrial Chemical Company, spent some four weeks in Pakistan in August, 1961, working with the scientific personnel of the Irrigation Research Institute in Lahore on a critical seepage problem with which West Pakistan is plagued.

Badger chemist (B.S. '52) **William D. Ehmman**, ended his graduate studies at Wisconsin (M.S. '54) and then completed his formal education at Carnegie, Tech. with Ph.D. granted him in '57.

St. Olaf Alumnus **E. O. Ellington, Ph.D. '12**, is one of that small coterie of Badger chemists for whom a building has been named. In his case it is a newly built men's dormitory on the campus in Northfield, Minn. Retirement in 1952 marked the close of a productive association with the College during the course of which he trained a host of students, some 80 of which went on to earn the Ph.D. degree elsewhere. He was instrumental in building up the College's chemistry department to national prominence. He served it as chairman from 1925 to 1949.

LeRoy R. Fischer, B.S. '29, is sales manager with Philadelphia Quartz Company.

Richard F. Firestone, Ph.D. '55, at last report had left Western Reserve for Ohio State University. He is at this writing an associate professor in his new position.

The postmaster at Philadelphia informed us that some-time Rohm & Haas employee **Kenneth W. Folger, B.S. '51**, has left this city

A Happy Ending to a Near Tragedy

"Scientist is found alive" said the headline of an Albuquerque newspaper story one day last August (1962).

The item in question concerned Robert ("Moose") L. Spaulding, Ph.D. '44, who is a member of the staff of Los Alamos Scientific Laboratory. He flies his own plane, is an enthusiastic skier, takes mountain climbing in his stride—and obviously has a strong constitution as the following lines suggest. His failure to keep a dinner engagement on the Sunday of his take-off for a day aloft triggered what has been described as the most extensive air search operation in the history of New Mexico. Aircraft, the services of forest rangers and others were used in the hunt for him which centered on the Pecos Wilderness in the northern part of the state. He was literally "plucked out of the wilderness" by helicopter three long cold days and nights after the accident during which

time he was without food except water, and ironically, but fortunately as it turned out, he was found by a horse-mounted Forest Service work crew! He had freed himself from the wrecked plane near a 13,000-foot peak and then, his jaw broken, his mouth painfully swollen and bleeding, and both ankles broken, he by alternately crawling and sliding painfully arrived at the spot, some two miles distant, where he was picked up by the crew of a helicopter from the Central Air Rescue Service at Kirtland AFB in Albuquerque. Its pilot was quoted as saying "I got a lot of respect for that man. I don't think an ordinary man could have survived". The attending physician called Bob's survival after three days in rugged country "really a miracle". For the man on the street the story of his accident and rescue seemed like something out of the best in adventure fiction . . . with a happy ending.

without forwarding address. We have learned that he is now living in Muskegon, Mich., and that he is with a cannery in nearby Whitehall.

Another season of activity of the Wisconsin Junior Academy of Science ended on May 5 in La Crosse when some eighteen high school students—all of them were winners in district competition—met there to describe and discuss their own science projects. Among those who won recognition for doing an outstanding performance is Marnie E. Frank, daughter of Badger chemist **Robert L. Frank, Ph.D. '40**, 700 Lake Shore Drive, Lake Geneva, Wis., Marnie received a district award of a one-year-subscription to a scientific periodical for her paper: "Seed Treatment". The 1962 meeting again demonstrated the high caliber of scientific activity which is continually being carried on at the high school level by the youth of Wisconsin.

Added to the greeting card last Christmas of **Warren A. Frank, B.S. '47**, and his wife Audrey, was the note. "Warren started his own cannery last spring."

Milton College alumnus **Kenneth J. Garska, M.S. '57**, is employed by Union Carbide Chemical Co. He has a St. Albans, W. Va. Address.

Beloit alumnus **Stewart W. Gloyer, Ph.D. '39** wrote us to late

for inclusion in the last newsletter, that he had traveled considerably on company business during 1961. He was in Japan in January; and before year's end in Europe as a member of a team to license Pittsburgh Plate "know how" abroad.

The 1962 travels of **John Godston, Ph.B. '28**, and family include: Taipei, Taiwan, in mid-July for a two-week visit with a son in Japan who was serving there as an Air Force Hospital Administrative Officer; a ten-day trip by ship to Los Angeles; a visit to Seattle for a look at the World's Fair; a weekend at Madison in August; Labor Day in New York City to permit daughter Ruth to enroll as a senior in high school.

The 100th anniversary of the Land Grant College Act was officially observed on the national scene at Washington D.C. on 14 November, 1962, by the release of the so-called Higher Education Commemorative Stamp. On the Wisconsin scene this event was marked in Kenosha at the University's Extension Center where instruction in chemistry is in charge of Badger chemist **Howard Gottlieb, B.S. '40**, (Ph.D., Biochem., '50). Howard, with the help of his students dressed in authentic costumes of a century ago, held open house for the local citizenry to acquaint them with the facilities

(Continued on page 7, col. 1)

This 'n' That . . .

(Continued from page 6)

there for instruction in chemistry. Some of the popular chemical experiments of the day were demonstrated, and on display were models of early chemical equipment. The event rated a picture in CEN.

Thomas A. Gover, Ph.D. '60, spent a year after graduation in January in postdoctoral study at the University of Sheffield, England, under Prof. George Porter. He joined the Chemistry staff of the University of Virginia in January, 1962.

A third generation—she is the granddaughter of **Ray C. Benner**, Ph.D. '09—enrolled in the University in September, 1961. She is Nancy C. Soule, daughter of **Eleanore Benner Gray**, B.S. '32 (News-letter 6). With both of her daughters now in school, Eleanore finds time to serve as part time consultant to a chemical engineering firm, R. B. MacMillin Associates.

Richmond Griswold, B.S. '39, is technical superintendent of Cities Service refinery at Lake Charles, La. His mother, the former Ada Richmond, B.A. '12, along with the rest of her class who had successfully passed their 50-year probationary period, was last June made a member of the University's exclusive Half Century club. Several years ago his parents—his father holds a B.S.A. '10 degree and is also a member of this club—were among the five Wisconsin rural leaders who received honorary recognition during the University's Farm and Home Week.

Neil V. Hakala, Ph.D. '43, is now managing director of Esso Research, Ltd., Abingdon, England. Before this he had been serving as deputy to the vice president of Esso Research and Engineering, Linden, N.J., for petroleum products, medical, basic, and analytical research. With his promotion came election to the board of directors of the British affiliate.

We gleaned from Sallie Fisher's 1961 Christmas letter that **Elinor Hankins** Ph.D. '51, had exchanged marriage vows with a Dr. Fred Owens, an Illinois "alum" just after Thanksgiving (1961).

We have learned that **Philippa G. Gilchrist**, '31—she is the first woman to have won the Ph.D. degree in chemistry at Wisconsin—resigned in June, 1962, as a member of the Wellesley College chem-

(Continued on page 8, col. 1)

Fifty-year Records Announced

The names of ten Wisconsin alumni, all holders of a degree earned in chemistry, were announced last spring (1962) in two different sources: the golden jubilee directory of the class of 1912 and a news item by the American Chemical Society in which were listed the names of 91 members holding the distinction of 50 years of membership therein. Those who had successfully passed the fifty-year "probationary period" for admission to our University's exclusive Half Century Club are Harry G. Miller, Frank J. Seeman, Bertha Kitchell Whyte (Mrs. M. K.), John J. William and Archie L. Witherell. Honored by the American Chemical Society was another group of five. The names of the latter, with Wisconsin-conferred degree and current place of residence (in parenthesis) are: Horace G. Deming, Ph.D. '11 (Sarasota, Florida); Emil O. Ellingson, Ph.D. '12 (Northfield, Minn.); Earl B. Millard, M.S. '11 (Santa Barbara, Calif.); Hugo W. Rohde, B.S. '01 (Oconomowoc, Wis.); and Emil Truog, M.S. '12 (Madison, Wis.)

Five of the group made teaching their life work; three reached retirement age in industry; one, the only woman in the group, did not follow chemistry as a career except for a brief association with Mills College in California and a munitions plant in Nitro, W. V., during World War I as a water analyst, and one who left his position as research chemist with Rohm & Haas for one with the U.S.D.A. in its then newly established Eastern Regional Research Laboratory.

University of Wisconsin alumnus Deming, B.S. '07, began his career as an educator at a high school in Alaska, continued it at Wisconsin as a graduate student with instructor's rank, then held posts in turn in the University of the Philippines, the University of Illinois, and the University of Nebraska, until retirement as professor of physical chemistry. St. Olaf alumnus, '06, Ellingson, retired chairman of its chemistry department and recipient of several on-campus recognitions and an A.M.A.-sponsored cash award as an outstanding teacher in the field of undergraduate chemistry. Colorado alumnus, '11, Millard continued his higher education at Illinois and then went to MIT as instructor

where he, then a full professor, retired in 1953. Badger chemist Miller, B.S. '12, took up graduate work on "the other campus", Ph.D. (biochemistry) '22, then briefly became a research chemist at Oregon's Experiment Station, and in 1948, after a 22-year association with Procter & Gamble took up residence as a retiree in Winter Park, Florida. Badger chemist Rohde, the only member of his graduating class at the turn of the century to follow the profession for which he had prepared himself, dean of Milwaukee's industrial chemists, and last living charter member of the Milwaukee Section, is a Schlitz Brewing Company retiree. Badger chemist Seeman has an uninterrupted record as an educator, one that began in Shanghai as a member of the government-sponsored Institute of Technology and ended in Los Angeles as head of that city's high school science departments. Professor Truog, upon acquiring in '09 a BSA degree, enrolled in our Graduate School for advanced work in chemistry while serving the Soils Department as a teaching assistant. He was given emeritus professor status several years ago after having served our University with distinction for many years. Mrs. Whyte, in her own words "turned to art and the ways of an antiquarian after marriage and gradually lost all chemical knowledge". Her Milwaukee friends marvel at her energy, her capabilities, and her wide diversity of talents; all of which are contributive to her own philosophy for enjoying life and living it to the full—by doing constructive things. Chemistry Course alumnus Willaman decided to make biochemistry—it was known then at Wisconsin as agricultural chemistry—his major interest in later life, and to that end he began a program of graduate study on the other campus in this field which in time led to associations with several agricultural experiment stations, his doctorate in plant physiology from Chicago, a Rockefeller Foundation fellowship for foreign study, a research biochemist's position in industry, and finally federal employment in one of our regional research laboratories. Chemistry Courseman Archie L. Witherell reached retirement age as an employee of a Wisconsin tanning firm.

This 'n' That . . .

(Continued from page 7)

istry department faculty and that she has returned to Courtland, Ala., to live with her sister on the family homestead.

We have learned that Koppers Company retiree **Myron T. Heried**, B.S. '21, with plenty of time now at his disposal "manages" to keep his hand in business problems as a director of a home town (Afton, Minn.) company.

Associate professor of the history of science **Erwin H. Hiebert**, Ph.D. '54' gave a series of lectures at Kabul University, Afghanistan, during the summer of 1961. He was on leave from his Wisconsin post for the academic year '61-'62 at Princeton's Institute for Advanced Studies.

The name of **Takeru Higuchi**, Ph.D. '43 has been added to the Department's list of its alumni whose accomplishments have been noticed by the presentation of awards, citations, etc. "Tak", a physical chemistry major in his day and now professor of pharmacy at Wisconsin, was named last spring the first winner of the American Pharmaceutical Association Foundation Award in Physical Pharmacy. The award is given to "recognize and encourage outstanding meritorius achievement in the application of physical-chemical laws and principles to pharmaceutical systems and technological processes."

A recent St. Olaf College graduate who made a superior record there is one of several others named as a merit award winner by Chemical and Engineering News, ASC, for advanced study. His name: **David Hindermann**, his choice of Graduate School is Wisconsin where he is majoring in physical chemistry. His reward is appointment to a WARF fellowship.

Announcement was made late in January (1962) by Du Pont of the transfer of **Paul F. Hoglund**, Ph.D. '45, from New York City where he had been development and service representative, to the Chestnut Run laboratory in Wilmington, Del. Paul is now a supervisor, development and service.

"My wife and I", wrote Toni Company's technical director (March 23, '62) **Roy C. Houtz**, Ph.D. '32, "have just returned from a golfing and sight-seeing vacation in Mexico, California and Arizona,

In Memoriam

Richmond T. Bell, B.S. '27, Ph.D. '30 (Virginia), patent coordinator in technical research and development, Pure Oil Company—on 28 May, 1962, in Crystal Lake, Ill.

Elbert D. Botts, Ph.D. '24, retired chief engineer of the California Division of Highways—on 10 April, 1962 in Sacramento.

Marie Grams Carr (Mrs. Patrick), B.S. '20, biochemist with a Veteran's Administration Hospital—on 28 April, 1962, in Kansas City.

William C. Christensen, B.S. '24, last known address, Rockford, Ill.—on 1 December, 1957.

James B. Davis, the Department's glass technician until some 11 years ago—in Phoenix, Ariz., on 1 April, 1962. He was the husband of Dr. Helen Pratt Davis, who survives along with his brother, C. B. Davis, of Arcadia, Calif.

Melvin E. Diemer, Ph.D. '11, amateur photographer during his Wisconsin undergraduate days who later turned an avocation into a profitable vocation; some-time employee of the U. S. Forest Products Laboratory at Madison; world traveler seeking floral material for photographic reproduction to fill educational needs; at one time associated with the University as its official photographer; and well-known for his activities in Masonic circles—in Madison, Wis., 29 November, 1961.

Hazel Driver, 'B.S. '08, retired dean of girls of all Mobile, Ala., high schools—4 April, 1961.

Frank C. Graham, B.S. '48, sometime research chemist with Minnesota Mining and Manufacturing Company—in Madison, Wis., on 10 September, 1962.

Norris F. Hall, emeritus professor of chemistry, Harvard graduate Ph.D. '17, and Haverford College alumnus, some-time senior chemist emeritus on the staff of

Argonne National Laboratory for atomic research—on 26 April, 1962, in Danbury, N. H.

George W. Haverstick, B.S. '16, of the Haverstick, Croy & Co., insurance agency in Waukesha, Wis.; some-time president of the school board there; a member of the Board of Trustees of Carroll College—on 17 November, 1961.

Herman H. Kahlenberg, Ph.D. '25, holder of three Wisconsin degrees, son of the late Louis Kahlenberg, owner and president of the laboratories bearing the family name—in Sarasota, Florida, on 17 December, 1961.

Konrad Feste Schreier, B.A. '10, former Sheboygan resident and member of the University's Half Century Club—on 17 November, 1961, in Pacific Palisades, Calif.

Oliver H. Schunk, B.S. '17, Ph.D. '26—on 12 May, 1962, in St. Louis, Mo.

Philip S. Stambaugh, B.S. '22, after a long illness—in Poland, Ohio, on 16 October, 1961.

Reed M. Syler, B.S. '41, of Maywood, Ill.—fatally injured in an auto accident on 2 August, 1956.

Leon I. Shaw, Ph.D. '11, Alfred University Alumnus, some-time educator (Wisconsin and Northwestern), federal employee (U. S. Bureau of Mines), Western Electric Company retiree, consultant on high-temperature ceramic bodies—on 22 September, 1962, in Tucson, Ariz.

Otho J. Urech, B.S. '18—in Chicago, on 22 December, of a cardiac ailment. His wife, a son, three grandsons, and a brother survive him.

Paul Warttman, M.S. '21, emeritus professor of Chemistry at Mississippi State University—in Cedar Falls, Iowa, on 30 April, 1962.

William J. Zick, B.S. '17—unexpectedly at home, in Crete, Ill., on 24 April, 1962.

and are now looking forward to the usual pleasant summer in the northern mid-west."

Clayton M. Huggett, B.S. '38, Ph.D. (Minn) '45, is now director of the Arthur W. Sloan Foundation of Atlantic Research Corporation, Alexandria, Va. His previous affiliation has been with Amcel Propulsion, Inc.

We have learned via the post office tracer route that **John R.**

Hyndman, Ph.D. '50, has a new address: From Huntsville, Ala., to Box 222, R.F.D. 1, Langhorne, Penn. The employer—Rohm & Haas—is the same; the location only is different.

Catherine Ingenhutt, B.S. '32, now has a Lansdonn, Penn., address. She left New Orleans in 1960, where she was a research technician in the School of Medi-

(Continued on page 9, col. 1)

This 'n' That . . .

(Continued from page 8)

cine, Tulane University, to be with an aunt who was living alone in poor health and in need of a companion. Catherine is employed by Hahnemann Medical College.

The Rev. **Chandler C. Jackson**, B.S. '48 and M.S. '49, although now far out of the field of chemistry as the rector of St. John's Episcopal Church in Hermiston, Ore., is looking forward to the next issue of *Badger Chemist* because, he writes appreciatively, for him the Newsletter is a means of keeping track of old friends. The Jackson family, he confesses, "is really learning to love this eastern Oregon country." They are living some six miles from the new McNary Dam on the Columbia River.

Harold Jeskey, Ph.D. '42, was appointed last spring (1962) to the chairmanship of Southern Methodist's department of chemistry.

D. H. Johns, Ph.D. '54, is manager of New Products Section, research and development, of Canco Division, American Can Company in Barrington, Ill.

Donald R. Johnson, Ph.D. '54, has a new job—and with it larger responsibilities—at Du Pont in its newly established Instrument Products Division. We understand that the latter is a new venture for the company and that it has been set up to develop and market laboratory instruments, particularly those growing out of its research in materials technology. They will be marketed for process control, laboratory research, and medicine. Don, who is national chairman of the Society for Applied Spectroscopy for 1963, is in charge of the laboratory of the instrument section.

A service record of 21 years as chairman of Culver Military Academy's Science department completed **George O. Johnson**, Ph.D. '31, retired. He is now devoting his time exclusively to teaching; as holder of the Eppley Chair in Chemistry.

Harold (Hal) G. Johnson, Ph.D. '41, has been appointed to the newly created position of vice president of marketing for Southwest Potash Corporation. He will be responsible for the development and

administration of plans and programs for the marketing of the company's agricultural and industrial chemical products.

Eran T. Jones, Ph.D. '60, has a new address: from Stanford University, California, to 118 Leland Road, Rochester 17, N. Y. Eastman.

We learned from her Christmas (1961) letter which **Ruth Klinka Kalmbach** (Mrs. Sydney H.) B.S. '31, sent us that she and her family had visited ten European countries in as many weeks; the previous summer and that visitors to their home "are now subjected to the full treatment, including Kodachrome slides, of (their) impressions of Denmark, Germany, Holland, Austria, Switzerland, France, England, Scotland, Norway, and Sweden." The Scandinavian part of their trip took them beyond the Arctic Circle.

DePauw alumnus (A.B. '26) **R. J. Kepfer**, Ph.D. '30, has asked that his address be changed from La-Grange, Ill., on or about November, 1962, to one in California. He expects to retire as a Du Pont employee at that time. The Kepfers plan to spend the rest of their years on the West coast near their children and grand children. Will Mrs. Kepfer, who has been blind for the past five years continue to teach other unfortunates there to read Braille as she had been doing at the Chicago Lighthouse for the blind? Ray says that he is mighty proud of her; and well he should be.

Tee-Pak's vice-president **Maurice E. Kinsey**, Ph.D. '31, writing from his Danville, Ill., home, told us in substance that the family circle was enlarged in November, 1961, by one upon the marriage of daughter Ann to a Harvard-trained lawyer, and that son John is a chemical engineer with Western Electric.

Is **E. V. Kleber**, Ph.D. '43, who was mentioned in these columns (newsletter 7) as being general manager of Research Chemicals, Inc., the same individual who is associated with Kleber Laboratories, Inc., of Burbank, California, producers of all the rare earth elements from lanthanum through yttrium?

Truman P. Kohman, Ph.D. '43, is one of the twenty ACS award winners named at the 140th National meeting in Chicago.

Proctor and Gamble's research chemist **Paul J. Krapp, Jr.**, Ph.D. '62, on 28 July, 1962 exchanged marriage vows with **Patricia M. Morrissey**, ex-'60 in her home town, Kenosha, Wis. *Badger Chemist* extends to them a congratulatory hand and wishes them a full measure of well-deserved happiness.

Chas S. Kraihanzel, Ph.D. '62, has joined the faculty of Lehigh University with assistant professor's rank.

Is chemistry course man **Clarence J. Krieger**, '27, now an assistant division leader at Ditzler Color Division of Pittsburgh Plate Glass?

Mary F. Lease, B.A. '58, and M.S. '60, returned to the campus in September 1961 for more graduate work, this time as a research assistant to Professor Van Tame-len. She had spent a year with Union Carbide as chemist on the company's Parman, Ohio laboratories.

At its fall (1961) convocation the University of Delaware conferred an honorary Doctor of Science degree on **Samuel Lenher**, a two-degree *Badger Chemist*—B.A. '24, D. Sc '29. As a director, vice president, and member of the Du-Pont Company, he had distinguished himself in chemistry. He has been president of the University of Delaware Research Foundation June 1955, a trustee of the Wisconsin Alumni Research Foundation since 1957, and was named to the board of managers of the Wistar Institute of Anatomy and Biology, Philadelphia in 1954.

We have learned that **William L. Luker**, Ph.D. '55, has been given extra curricular duties at Mississippi State College where he is on the staff of the State chemist's laboratory; directing graduate research—gas chromatography of fatty oils—and doing some teaching at the undergraduate level.

Roger H. Lueck, M.S. '21, (newsletter 9) retired as vice president for research and development of American Can Co., after forty years of service. He is, we understand, not entirely out of the chemical picture; rather, in his own words he "is approaching this retirement business gradually," spending about half of his time in a consulting capacity with United

(Continued on page 10, col. 1)

This 'n' That . . .

(Continued from page 9)

Carbon Company, Inc., New York 22. "In doing so," he informed us, "I have substituted an interest in oil, gas, polymer and soot for packaging and food".

We are pleased to inform our readers that several Badger chemists are serving Alma Mater as president of a Wisconsin Alumni Association Club in their respective areas. **W. Blair MacQueen**, M.A. '23—he is carrying on the family's century old (1858) furniture business heads the Oconto County Wisconsin Alumni Club. Chemistry coursemen **Russell W. Peterson** and **Arthur A. Pavlic**—both graduated in '38 and won the Ph.D. degree in 1942—are serving the newly organized Wilmington, Del., Club as president and vice-president respectively, "Russ" and "Art" are Du Pont employees.

Chemistry Courseman **George H. McGregor** has been associated with the pulp-and-paper industry ever since he left the campus with his first degree, B.S. '26. He is now general manager at Crandon Paper Mills Inc., of Fort Madison, Iowa. A summary of his activities during the interlude between graduation and the present reveals an active career in his chosen field. It is one which began as chemist with Northwest Paper Company of Cloquet, Minn.; his return to the campus, as a fellow in chemical engineering; the successful conclusion of his graduate studies (M.S. '29); his promotion to chief chemist and in 1931, his affiliation, as instructor, with Institute of Paper Chemistry of Lawrence College, Appleton. His return to industry came in 1934 when he entered the employ of Weyerhaeuser Timber Company of Longview, Wash., as technical director of its pulp division. His administrative duties here were enlarged within three years by his promotion to general superintendent. The year 1943 found him in International Falls, Minn. as supervisor of pulp and paper research and development of Minnesota and Ontario Paper Company. Eleven years later he was back on the west coast in Vancouver as general superintendent at Columbia River Paper Mills. His present affiliation dates from 1957.

From **E. S. McLoud**, M.S. '35, basic research director at Johnson

Quiz: Chemistry 107a

1. Some ten hundred Wisconsin chemistry majors have earned the Ph.D. degree since 1899. Who was the Department's first recipient of this degree?
2. Two Badger chemists have received an honorary D.Sc. degree from Wisconsin. Who are they?
3. What member of the Department's inactive staff appears to have had a monopoly in his day on Ph.D.'s who have won an ACS award in pure chemistry?
4. What Badger chemist now on the University's emeritus faculty list initiated the present practice in the Department of maintaining a reprint collection of the publications of its members? (It is at this writing a 42-volume collection of reprints the first of which bears the date 1856.)
5. Who is the present chairman of the Department and where did he earn his Ph.D. degree?
6. Who is the first Badger chemist to have served the American Chemical Society as its president?
7. Who is the first—and only—Badger chemist to have won a Nobel Prize?
8. What former president of the University in his younger days once assisted in the instruction in chemistry?
9. Who was the first Wisconsin alumnus—he was a chemistry major—to be appointed to a University fellowship?
10. Who was the first Badger chemist—Johns Hopkins conferred the doctorate upon him in 1882—to offer formal instruction in organic chemistry at his alma mater?
11. When did chemistry achieve the dignity of a specialty on the campus independent of any other science?
12. Who was the first man—he was an Illinois Wesleyan alumnus—to earn the master's degree in chemistry at Wisconsin?
13. In whose honor was the award set up in 1950 which is annually given to the student earning the top grade in chemistry 1a or 5?
14. What corporation made possible the Department's first industrial fellowship? When?
15. What member of staff, now on the emeritus list, holds two master's degrees, one from Wisconsin, the other from Harvard?

The editors will send an answer sheet when requests are accompanied by a contribution of \$1 or more to cover handling costs and help toward publication of *Badger Chemist* No. 11.

Wax has come word that **Louis M. Sesso**, B.S. '43, has been advanced from his former position as supervisor in household product development to that of director of service products development.

Chas. Pfizer & Co., Inc., announced the publication in September, 1961, of "Handbook of Microbial Metabolites" which they describe as a new and unique manual of fermentation chemicals. The book is the work of Badger Chemist **Max W. Miller**, Ph.D. '50. Data on the source and the physical and chemical properties of all known metabolic products—there are over 1300 of them—isolated from bacteria, molds, fungi, and lichens may be found in this manual of fermentation chemicals.

Helen E. Matsen, B.S. '25, chief librarian, Technical Information Division, of Esso Research and Engineering Company, retired last August, 1962 after having served her employer for almost 26 years. Her activities as a career woman began in Madison where she served the Burgess Laboratories as a chemist for five years. She then applied her training in chemistry to a non-laboratory activity: as an abstractor in the company's library. Promotions followed in due time—assistant chief of the technical library in 1954 and a year later, chief librarian directing the work at that time of some 25 others. And how is she spending her time? We understand that she

(Continued on page 11, col. 1)

This 'n' That . . .

(Continued from page 10)

is continuing her activities in her church—she was at one time a member of the Board of Deacons of the Elmora Presbyterian Church and has been a Sunday school teacher for some years—and is now free to do some travelling.

On the twenty-first anniversary of his graduation (A.B. and B.S.), Bowling Green State University called **Darwin L. Mayfield**, Ph.D. '50, back to its campus to receive on June 1, the Distinguished Alumnus Award of 1962. He made his visit there the occasion for addressing the student body on his research interests which center on the flowering hormone (Newsletter 9). Currently a member of the chemistry staff of Long Beach State College, Calif., he will continue his research next year in Europe while on leave of absence. This will be his second leave within the past seven years for off-campus activity in foreign countries. He spent the academic year 1955-56 as a Fulbright Lecturer in chemistry at Kasetsart University in Bangkok, Thailand.

Esso Research and Engineering on reorganizing its chemical research set-up in September, 1962, named **Leonard E. Moody**, Ph.D. '44, director of its much-expanded Enjay Laboratories. We understand that the reorganization strengthens its research and development activities and that Len is also serving as coordinator of chemical applications work by the Baytown (Texas) labs of Humble Oil & Refining Company.

In Milwaukee, Chemistry Courseman **Melvin M. Mueller**, '39, serves Johnston Candy Company as supervisor of its chocolate section. At home, in suburban Germantown, he serves his community as director of Washington Union High School's Board of Directors. It appears that Melvin is wholeheartedly active in the educational field; and that his record of extra-curricular activities in the interests of his fellow men is a remarkable one. Yes, give a busy Badger Chemist another job to carry, and he does that job well.

It has come to our notice that Chemistry Courseman **Charles R. Naeser** '31, Ph. D. (Ill.) '35, was a co-recipient, within the current

Happy Landings

The arrival of their first daughter, Elizabeth Brown, was announced by **Robert B. Bates**, Ph.D. '57, and his wife Pat. Little Elizabeth has two brothers.

What was described in the **Dal Nogare** family's Christmas letter of 1961 as the most spectacular event for them that year occurred in October. Yes, they knew that an addition to the family was in the offing, but what they did not know was that the increase in the family circle would be in the multiple birth category. Identical twin boys—they have been named Stephen and Andrew—arrived on 26 October! Theirs is now a six child family in which the boys outnumber the girls in a two-to-one ratio. Beloit College (BS '44) alumnus "Steve", Ph.D. '48, married Wisconsin alumna **Dorothy Louise Fortun**, B.S. (pharmacy) '46. He is a research associate with DuPont, author of several papers in his specialty—chromatography, a popular speaker to local-section (ACS) groups, and author of a book on chromatography.

Dartmouth alumnus **David G. Martin** Ph.D. '59, and his wife, the former Ann Woodruff of Petoskey, Michigan, announced the birth of their second son Paul on 3 October, 1961. Their first child, David Wood-

ruff, was born 16 March, 1960. Their father is a research chemist with Upjohn in Kalamazoo, Michigan.

The O. J. Plescia family, **Anne Marani**, M.A. '49, now consists of four children, Nina, Marc, Lisa and John Michael.

Ruth Meyer Polin, M.S. '50, and her husband Donald, a Rutgers Ph.D. serving Merck Institute of Rahway, N. J. as a research physiologist, announced the arrival on 26 February, 1961 of a son whom they have named Richard Bennett. The Polin "score" is now two girls and one boy.

Richard T. Rapala, Ph.D. '49, and his wife Pat, sometime in October, 1962, welcomed another child to the family circle. We understand that, because of the family's present size, a five-bedroom, tri-level stone house is in the making. Pater familias Richard is a research chemist with Eli Lilly.

The **Robert A. Stenger**, Ph.D. '62, family (**Johanna B. Wright** B.S. '60) now includes Michael Arthur, born on 9 January, 1963, and his sister Michelle.

Barbara Roller ex. '62 and her husband Maryland alumnus **Robert G. Briody**, currently research assistant, announced the appearance of their "first edition", Stephen Andrew, on 13 April, 1962 in Madison.

year, of the Washington Academy of Sciences' award for services in the teaching of science.

John A. Neptune, Ph.D. '52, has been a member of the chemistry staff of California's rapidly growing San Jose State College of about 16,000 students. (Its enrollment was about one-half that in 1955 when John joined the faculty). Promotion to the rank of professor came in September 1961. He is serving the chemistry department there also as part-time assistant to its chairman.

"Second girl in two centuries born in Nichols family," said the headline in a Wilmington, Delaware, newspaper last May (1962). She was only the second girl baby born in the Nichols line since 1762. Named Karen Elizabeth, she is the third grandchild of the **J. Burton Nichols**, Ph.D. '28 via their son Randall whose wife had previously

presented him with two sons, James Andrew, 5, and John Kristen, 4. It wasn't often that a Nichols Wife had a chance to stitch small dresses. Karen's arrival was, understandably, a time for celebration.

Emeritus professor of sanitary chemistry **M. Starr Nichols**, B.S. '16, Ph.D. (physiological chemistry) '26, is spending his time in research at the University's Hydraulic and Sanitary Laboratory.

Exactly 14 years after Harvard University had conferred the Ph.D. degree upon him, **Wayland E. Noland**, B.A. '48, was promoted to full professor by the University of Minnesota. If our memory serves, he is the second Badger chemist on the chemistry staff there.

Maurice L. Oehler, M.S. '61, was back on the campus on an NSF scholarship in the Science

(Continued on page 12, col. 1)

Something New In Awards

Something new for the Department as a means of formally recognizing superior past performance or evident promise of future success in the student's chosen field of activity, be it education, industry or public service, has been added to the list of stipends for those graduate students who qualify to receive them. And that something new is the Eastman Kodak Scientific Award of one thousand dollars. It is the only restricted portion, as to use, of a gift of some \$12,500 from the corporation in question. The prize went to an outstanding doctoral student in the Department, California (Berkeley) alumnus Victor A. Bloomfield, Ph.D. '62. It was presented to him on 30 July at the first of a series of three lectures on the application of mass spectrometry to structure, by visiting summer session lecturer Prof. Klaus Biemann of Massachusetts Institute of Technology. Badger chemist Bloomfield has returned to the west coast where he is on the staff of the University of California, at La Jolla.

This 'n' That . . .

(Continued from page 11)

Education Program. School's opening in September found him in Prairie du Chien as a chemistry teacher in Campion High School.

John L. Oncley, Ph.D. '33, has left Harvard Medical School, where he held a professorship of biological chemistry, for the University of Michigan's Institute of Science and Technology. His appointment as director of the biophysics research division there was announced in March (1962).

Lever Brother's vice president of research and development, **L. B. Parsons**, Ph.D. '23, reached the company's retirement age last February (1962). He is now consultant.

Dr. Ross Paull, B.A. '24, of La Jolla, Calif. has sold his practice in internal medicine because of health reasons. The Paull's son Barry is a student at the University of California (Berkeley) majoring in chemistry and daughter

Lester S. Sinness

Du Pont Executive



North Dakota native Lester S. Sinness, Ph.D. '35, found it necessary to finance his own education beyond the high school stage. To that end he worked for two years as a stenographer in a law office and a bank—with some “moonlighting” in a dance orchestra—before enrolling at Carleton College to major in a field in which he would get his money's worth.” Several upper classmen suggested that he would get it in chemistry. He took their advice; and made a move which has paid off handsomely.

Armed with a Carleton degree, B.S. '31, and a superior undergraduate record—he had been elected to Phi Beta Kappa—he arrived on the campus with an appointment as teaching assistant in physical chemistry in his pocket. He was on his way to becoming a Badger chemist. It was a step suggested by another Badger chemist, the Department's first Ph.D. alumnus, A. T. Lincoln, '99, who at that time was a member of Carleton's chemistry department.

He joined Du Pont at its Richmond plant as a research chemist upon graduation from Wisconsin. Six years later he was made assistant director of research there

Jane was due to graduate from University of Southern California as an English major.

From a research chemists position which began when he left the Wisconsin campus in 1942 for Wilmington, Del., to take employment with Du Pont in the Polychemical Department, to an assistant managership of plastic sales some twelve years later, and in 1961 market manager of its Teflon division; these are the milestones in the research-to-sales career of Chemistry Course graduate ('38) **Arthur A. Pavlic**, Ph.D. '42.

June 25 is an anniversary date shared by four generations of the **Fredus Nelson Peters** family. Badger chemist Peters, Ph.D. '25, is a second generation member of

(Continued on page 13, col. 1)

and in 1943 his headquarters were transferred to Wilmington. Later that year he was named director of manufacturing for orlon acrylic fiber. The production of acetate fiber also came under his responsibility. He was promoted to director of sales for all five Du Pont fibers in 1953. From that point on he became successively, sales manager, general director and then, in 1955, assistant general manager of the textile fibers department.

Now, as general manager of his department—he was advanced to this position in late October, 1961—he looks back upon his Du Pont affiliation as one that has been highly interesting and challenging. The success with which he met the problems arising in the research laboratory, and those encountered when he found himself transferred first out of research and put in charge of a complex manufacturing operation, and then to marketing. Lester obviously got his money's worth, and Du Pont appears to have made a good investment in brains.

A New Institute

The completion of the new chemistry building on West Johnson Street with its expanded modern facilities for research brought about the concentration of all the physical chemistry research activities under one roof. Professor Hirschfelder and his group moved “lock, stock and barrel” from their Babcock Drive location several blocks away on the “Ag” campus—to the new building—and into a new organization, the University of Wisconsin Theoretical Chemistry Institute. A generous grant from the National Aeronautics Space Administration (NASA) made the new setup possible. This Institute is now the third one on the campus.

Its first year began auspiciously with a number of lectures by foreign scientists. Prof. Werner Bingel of the Max Planck Institute of Physics at Munich addressed the group several times on the shape of molecules. A series of six lectures followed these during the month of October (1962). Prof. John A. Pople, superintendent of the Basic Physics Division at the National Physics Laboratory, Teddington, England, was the speaker. It is planned to bring more visiting professors here during the current academic year.

This 'n' That . . .

(Continued from page 12)

the family tree. He married Helen Moulton on this day. Their son, a Princeton, Ph.D. '54, added a son to the family circle and he became the fourth male to carry on the name. This in itself may be a little bit out of the ordinary, but most unusual is the fact that the young man's parents, both sets of grandparents and one set of great grandparents on each side of the house have identical wedding anniversaries! This story appears to have the ear marks of a believer or not tale.

Du Pont has made **Russell W. Petersen**, Ph.D. '42, director of its new products division, textile fibers.

Donald L. Petitjean, Ph.D. '54 has left Alcoa's research laboratories for a position as director of chromatography development with Barber-Colman Co., Rockford, Illinois.

For **Gail Rita Plourde** the 1961 Summer Session ended on a happy note. She had successfully passed her final oral examination for the doctorate during the closing days of school and on Aug. 12 in her home city of Norway, Michigan, she exchanged marriage vows with Theodore Sokoloski, a Pharmacy School Ph.D. The Sokoloskis are now (1962) living in Pullman, Wash., where Ted is a member of the staff of the School of Pharmacy, Washington State University.

The **Albert Preuss**, Ph.D. '53, family now has a new residence address: 142 Greyhorse Road, Willow Grove, Penn. Al describes their new abode as a nine room two-story, split level ranch type house.

After having served the biochemistry department of Cornell Medical College for two years as a laboratory technician—and doing some part-time teaching there—two-degree **Shirley Promeroy**, M.S. '58 is now on the staff of Louisiana's Polytechnic Institute as instructor in chemistry.

University of Rochester alumnus (B.S. '54) **Helmut F. Prah**, Ph.D. '59, has returned to Madison—he joined Chemstrand on graduation from Wisconsin—and is now on the staff of Bjorksten Research Laboratories.

"At long last", wrote **Kathora Remy**, M.A. '31, "I'm back in science as director for the San Antonio schools". She had previously been principal of a large Mexican school in her home town.

James K. Rieke, Ph.D. '54, of Dow Chemical was promoted last January (1962) from project to group leader. Jim was a campus visitor, May 17, here on business in his employer's interest.

The name **Rinelli** has reappeared in the University's student directory after an interlude of some 27 years. Two children of Chemistry Courseman **Wm. R. Rinelli**, '33 (Newsletter 7), are enrolled at Wisconsin. **Jon Brian**, at this writing is a second-year chemical engineering student and daughter **Myra** began her university studies in September, 1961. Two more potential Wisconsin alumni are still at home. "Give me a little time," writes Bill, "and all four will leave a path from the halls of the University of Wisconsin."

DePauw University alumnus (A.B. '25) **Rex J. Robinson**, Ph.D. '29, is now one of the group of Badger chemists serving, or having served, ACS as a local-section chairman. He is the 1962 head of the Puget Sound Section; his academic affiliation is the University of Washington as professor of chemistry.

We have learned that **St. Olaf** alumnus **H. Jerome Seim**, Ph.D. '49, has severed his connections—he had been an associate professor at the University of Nevada—for the supervisorship of chemical research at Allis-Chalmers, Milwaukee.

Vernon C. Schroeder, B.S. '42, (Ch.C.), who served the Department for several years in the stores department, has resigned. He is now an employee of the U. S. Department of Health, Education and Welfare and is stationed in the Chicago area working with others on problems pertinent to the control of water pollution.

Chemistry Course graduate **Louis M. Sesso**, B.S. '43, for several years supervisor of household product development at Johnson Wax has been promoted to service products development director.

Robert R. Seybold, B.S. '56, having completed teacher requirements for natural science is now teaching science and chemistry in Union Grove, Wisconsin.

Merlin E. Silverthorn, M.S. '62, is with Lockheed Aircraft Corporation, Sunnyvale, Calif., in its Missiles and Space Division.

Bernard S. Schlessinger, Ph.D. '55, is one of five people named last January (1962) to new positions by Chemical Abstracts Service. As head of the general subject indexing department he supervises

indexing in the general, physical, industrial, and applied sections of Chemical Abstracts. Before joining the CA staff in 1958 he had been with the research division of American Can and had done cardiac research at San Antonio's School of Aviation Medicine. His undergraduate degree stems from Chicago's Roosevelt University in '56; Miami University, Oxford, Ohio granted him the master's degree in 1952; and in 1955 he completed his formal education as a Badger Chemist.

The **J. P. Schroeder** family is a husband-and-wife team of Ph.D.'s, '48' and '49, respectively. He is with Union Carbide Plastics, and she formerly a senior chemist in Ciba's research department is now technical personnel consultant to Ciba Pharmaceutical Products, Inc., in Summit, N. J. Jules was an autumn visitor (1961) on a recruiting mission for his employers.

Clifford O. Schwahn, B.S. '41, has been made a special representative by Union Carbide, Plastics Division, for its midwestern sales region.

The month of June, 1962, was an eventful one for Alberta alumna **Barbara J. Shortreed**: the Ph.D. degree conferred on the fourth of the month and marriage to Instructor **Howard W. Whitlock**, Ph.D. '61, on the twenty-fifth. The Whitlocks are making their home in Madison.

Willard F. Spengeman, Ph.D. '35, was a Campus visitor last November (1961) attracted here by a three-day engineering conference in the Wisconsin Center.

In our last report (1955) on Chemistry Course graduate **Arthur B. Steele**, '41, we informed our readers that he was at the Mellon Institute with senior fellow status on a Carbide and Carbon Chemicals-supported project and the possessor of a Ph.D. degree conferred by the University of Pittsburgh in 1949. Our newest information on him is that he is the director of the technical service laboratory of Union Carbide Chemicals Company, Division of Union Carbide Corporation, Tarrytown, N. Y.

Michigan alumnus (B.S. '57) **Robert A. Stenger**, Ph.D. '62, has joined the research and development division of DuPont's Plastics Department. Bob, a January graduate, is married to the former **Johanna Belle Wright** B.S. '60. They are living at 3406 Barbara Road, Silver Springs, Wilmington, Del.

(Continued on page 14, col. 1)

This 'n' That . . .

(Continued from page 13)

With a very successful service record of some 43 years with Philadelphia Quartz Company as development chemist to his credit, one that stems from his affiliation with the company upon acquiring the Ph.D. degree in 1922 from the University of Pittsburgh, **William Stericker**, B.S. '17 retired. He was then named consultant to his former employer. A distinguished service award from the ACS Division of Water and Waste Chemistry was given him later for constructive participation in the activities of the Division for many years. For the immediate present Bill is giving his undivided attention, as chairman, to the activities of Committee 12 (detergents) of ASTM and the American Philatelic Congress of which his is a member.

The annual Karl A. Folkers lectures were this year delivered by **Gilbert J. Stork**, Ph.D. '45. His subject: "New Developments in Synthetic-Organ Chemistry".

The **Albert W. Stout** family, Ph.D. '36, took up residence early in September, 1962, at 5540 SW 167th Street, Beaverton, Ore., after having lived for 20 years in Oak Grove. Albert continues as chief of the chemical division of the Georgia Pacific Research Laboratory in Beaverton, and his wife, **Zelda**, gives generously of her time to Girl Scouts, several civic activities and her church. The Stouts achieved grandparent status last August via their daughter **Margaret**.

Chemistry Courseman **Leo F. Streeter**, B.S. '40, has a new title—with Dow Chemical as manager of technical placement. Leo was a campus visitor at the Engineering exposition late in March, 1962.

Robert L. Strong, Ph.D. '54, at last report was a member of the chemistry faculty of Rensselaer Polytechnical Institute. His home address: Hillside Drive, West Sand Lake, N. Y.

Terry Swanson, B.S. '60, upon acquiring the M.S. degree at Stanford in 1962, took a position in Du Pont's Plastics Department. He is working in nuclear magnetic resonance with Badger chemist **Edward G. Brame**, Ph.D. '57.

(Continued on page 15, col. 1)

Faculty News

R. A. Alberty has been serving the College of Letters and Science as an associate dean on a part time basis last September. He continues his teaching and research activities in the Department.

Our busy chairman **John D. Ferry** finds time to address various scientific groups. His February "bookings" included participation in the Winter Gordon Research conference on polymers in Santa Barbara, Calif. and the west coast regional meeting of the Society of Rheology at Emeryville.

The **J. O. Hirschfelders** "had a wonderful vacation" in the Virgin Islands during our Christmas recess, and at this writing are at the University of Florida where he is lecturing as a visiting professor. We expect to find him back on the campus by month's end.

Aaron J. Ihde's interest in the history of chemistry was recognized by that ACS division for the second year. He is one of the three Wisconsin Ph.D. alumni elected in 1962 to head one of the 25 divisions of the Society. The Wisconsin Academy of Sciences, Arts, and Letters has made him president-elect; and in that capacity he will be the third Badger chemist to have been elected to this office. (Professors **Kahlenberg** and **Schuettes** preceded him.) The Academy is still "going strong" in its ninety-third year.

At this writing the **S. M. McElvains** are visitors in Honolulu for the fifth time; the **Farrington Daniels** are in the South Sea area on a scientific mission, and the **H. A. Schuettes** are making their first visit to the Hawaiian Islands.

The **Villiers Meloches** were members of the University's official party at the Rose Bowl game last January. He, as chairman of the Athletic Board, is reported to have found that the position does carry with it sometimes delightful rewards.

Early in the year (1962), the **H. A. Schuettes** literally flew into summer; around South America by air except for the cross-over from the west coast to the Atlantic side at about 42° latitude south. After a leisurely stop in Panama City for a visit to the canal and its environs of earlier days, their trip

continued to Lima, Peru, for a look at its past, as revealed in its excellent municipal archeological museum in which are housed many relics of its early Inca days, and its present reflected by its churches, its government buildings, municipal parks and its privately owned, modern suburban residences. Then on to industrial Santiago, Chile, and nearby Valparaiso, Vina del Mar, the so-called Riviera of that region. (It was Sunday and the beaches were crowded.) Then by bus and by boat they entered the beautiful lake regions of Chile and Argentina, sky lines broken here and there by snow-capped mountains and the peaks of extinct volcanoes. The homeward leg of the trip was equally as interesting as was the first. Stops were made at Buenos Aires, the city which claims to have the widest streets in the western Hemisphere—one of its streets bears the name of O'Higgins (and that is something for a Spanish-speaking country); then on to Montevideo and an early-morning trip into the country to watch the gauchos (cowboys) in their colorful garb "cutting out" cattle from waiting herds brought in from the pampas for sale—and processing at a packing plant. Sao Paulo, the industrial giant of Brazil was then made the point of departure for a visit to Brasilia, the new capital. Rio de Janeiro, the city that plays hard for three pre-lent days during "Carnival" time ended the sight-seeing features of the trip. They left their party at Caracas, Venezuela, and flew on to the Caribbean area, first to Barbados and then to Antigua for a week of rest and relaxation on the sandy beaches there. After a brief stop in San Juan they flew to Miami on 15 March thus completing the cycle which had begun there on 26 January.

Robert West spent two months during the summer of 1962 at the University of Washington in Seattle, where he studied Japanese language as an N.D.E.A. fellow and gave a series of lectures on molecular orbital theory to the chemistry department. During September he traveled to Japan to attend the International Symposium on Molecular Spectroscopy and Structure in Tokyo. After this meeting he visited five Japanese universities in various parts of the country and lectured on his research on organosilicon chemistry and on new aromatic anions.

This 'n' That . . .

(Continued from page 14)

Howard G. Tennent, Ph.D. '42, was a campus visitor on a recruiting mission in mid-November (1962). His wife accompanied him.

The name of Chemistry Courseman, **Lee F. Thompson**, '56 appeared in the University's 1961-62 staff list as an instructor in numerical analysis.

It has come to our attention that **Ignacio Tinoco, Jr.**, Ph.D. '54, has gone from Yale to the University of California (Berkeley).

George W. Town, Ph.D. '22, was honored by his colleagues and former associates on the occasion of his formal retirement as a member of Extension Division's chemistry group. Some forty attended the dinner at which **Durward C. Layde**, Ph.D. '40, of UW-M, presided. The Towns have gone to the west coast to be with their two children and nine grandchildren for some time.

We understand that Chemistry Course graduate **Paul M. Treichel, Jr.**, B.S. '58, was scheduled to complete his studies for the doctorate this year at Harvard; that he will spend a year in postdoctoral studies in England; and that we may expect to find him later (1963) in the Department as a staff member with assistant professor's rank.

A long-cherished hope that some day he would be in a position to take his first steps towards a career in forensic chemistry was realized even before his graduation by Chemistry Courseman **Ralph F. Turner**, '39, when our Professor Mathews took him into his laboratory on an informal apprenticeship arrangement during the latter period of his undergraduate days. Then in September, 1939, he joined the laboratory of the Kansas City (Missouri) Police Department, and continued there as laboratory supervisor until 1947 at which time he took up residence in East Lansing, in order to fill a position there as assistant professor in the School of Police Administration and Public Safety in Michigan State College (now State University). He is now full professor with teaching responsibilities in the four-year program offered at MSU in crim-

inalistics. His major research interest is in the field of chemical tests for intoxication as related to road safety. In 1949 he authored what he describes as a laboratory manual on the scientific methods for the detection of crime. The book is now in the collector's-item class in that the original printing appears to have been exhausted. His off-campus activities since 1939 have been interesting, and in one instance thrilling. A sabbatical leave permitted him to pursue graduate work at the University of Southern California for a second degree, M.S. '57. Later on two occasions came invitations to serve as a consultant to the National Police and Security Services of the Government of South Viet Nam. This was followed in 1959 by his return there with his wife and three teenage children for a two-year tour as Chief Police Advisor. "Everyone enjoyed the experience," wrote Ralph, "including the action during a coup d'etat in November, 1960. We had to leave our home because we were located squarely on the battle line between the rebels and the loyalists." The Turners returned to Michigan in September, 1961.

Robert J. Turner, Ph.D. '50, is now employed by Morton Chemicals as a group leader in the poly-

mer section of their Woodstock, Illinois plant. He is living at Lake Geneva, Wisconsin. We had last reported him (1957) as a research chemist with Mallinckrodt in St. Louis.

Chemistry Course graduate **Gordon L. Vandervort**, B.S. '48, M.S. '51, has an activity record in which the words chemistry, physics, and astronomy appear; and so do the several stages in his climb up the academic ladder. An instructorship in physics in Maritime College of State University of New York preceded his assistant professorship at William and Mary College and that position was followed by a lectureship in an agricultural college in Puerto Rico. He returned to the mainland in 1960 and then became a member of the faculty of the University of Virginia as assistant professor of astronomy. It is in this field that he won his doctorate there in 1958. At last report (1960 Men of Science) he was at the University of Kabul, Afghanistan: his title, professor of physics.

Frank H. Verhoek, Ph.D. '33, the Department's first Rhodes scholar, was in India early in January (1962) attending the All-India Sci-

(Continued on page 16, col. 1)

Wedding Announcements by Faculty Families

Never before in the ten years that *Badger Chemist* has been making its annual appearance as a newsletter have we been in a position, because printing deadlines had been passed, to report on the marriages of children of the professorial staff. But for that unfortunate situation, and while the news was still 'warm', mention would have been made in 1959 of the Jean Sorum to Philip Mills and the Gretchen Ihde to Henrik Serrie marriages in August and September, respectively.

The Philip Mills are living in Kansas City, Kansas, where he is a medical student, and the Serries are in Ithaca, N. Y., where he is pursuing graduate studies at Cornell.

The month of August 1962, provided the setting for two more of them! Prof. and Mrs. John E. Wil-

lard—he is also dean of the Graduate School—announced the marriage on 4 August of their daughter Ann Ela, a School of Education graduate in June '62, to Kirkor Bozdogan. The ceremony was performed in the afternoon in Madison's Congregational Church. It was followed by a reception in the garden of the bride's parents. The young couple is making their home in Cambridge, Mass. He is pursuing graduate studies at Harvard.

Exactly two weeks later John, son of Prof. and Mrs. Aaron J. Ihde, exchanged marriage vows with Janice Risley in Madison's Bethel Lutheran Church. The wedding reception was held after the ceremony at the University Club. The young couple is making their home in Madison where he is enrolled as a junior in the School of Education.

This 'n' That . . .

(Continued from page 15)

ence Congress in Cuttack. He described for his audience the chemical bond approach course. Frank is now vice-chairman of Ohio State's chemistry department.

Three-degree Badger chemist **Henry A. Vogel**, Ph.D. '41, has been appointed manager of Pittsburgh Plate Glass division of consumer products. We understand that while on a business trip to Madison in December 1961, he expressed surprise at the many changes on the campus, State Street, and Langdon Street in the university area.

We have learned that **Harry Wandrus**, ex-49' is now a preservation specialist in the Branch of Museums, National Park Service of the U. S. Department of the Interior, at Washington 8, D. C. His research activities center on the cleaning, care and preservation of ancient and archaeological textiles. He is, on occasion, consultant to various state organizations in their problems with both above and below surface archaeological finds.

Chemistry Courseman, **Robert A. Willihnganz**, B.S. '37, vice-president of Chem Crest Corporation of Detroit at last report (Oct. 1961), was named president and a director of the newly formed Rochester Aerosol Corporation of the Michigan city of that name. The company's plant was built with the aid of a loan from the Small Business Administration as part of its program to assist local communities in areas of high labor plus to establish new business.

Bennett R. Willeford, Ph.D. '51 is spending the current year (1962-63), while on sabbatical leave from Bucknell University at the Institute of Inorganic Chemistry of the University of Munich. An N.S.F. Science Faculty Fellowship has made this post-doctoral activity possible.

Promotions announced by Abbott Laboratories, North Chicago, included the name of **Eugene L.**

Woroch, Ph.D. '48, to group leader.

Kenneth V. Yorke, Ph.D. '60, is serving John Carroll University of Cleveland, Ohio, as an assistant professor of chemistry.

We have learned that Wisconsin born **George Ziarnik**, B.S. '41, is one of three section heads ap-

pointed in Enjay Labs of Esso Research and Engineering as a result of a recent expansion in the chemical research area. George joined the company in Chemical Research in 1959; he began his company career in catalyst work; his recent advancement made him a group head in synthetic rubber applications works.

We Salute . . .



Yale graduate **Joseph O. Hirschfelder** B.S. '31, Ph.D. Princeton '36, arrived on the Wisconsin campus some years ago, served as a research associate for a short time, was then

appointed instructor in physics and chemistry and five years later achieved full professorship standing.

You, Joe, a past chairman of the division of physical chemistry ACS, have made a record at Wisconsin, whose like many another chemist would be pleased to own. As the Department's newly appointed Homer Adkins Professor you have, in a sense, accepted the challenge to carry on the conspicuous record for accomplishments and research productivity which our late col-

league made. You have earned distinction for yourself and the university through 25 years of research and teaching. It is most appropriate that you should have been chosen for this distinguished appointment named in honor of one who like yourself, has made outstanding contributions to our science, to the high standards of the academic profession, and to the growth and the strength of the Department.

We wish you every success in your new post as Director of the University's Institute of Theoretical Chemistry.

Your interest in the field of theoretical chemistry is very broad. It has involved the study of absolute reaction rates, molecular theory of gases and liquids, statistical mechanics, molecular quantum mechanics, scatter in gamma radiation and the theory of detonations and flame propagation.

Dean Willard Appointed Vilas Professor

As we go to press we learn that John E. Willard has resigned as Dean of the Graduate School in order to give full time to his research in radiochemistry once more. In accepting his resignation the Board of Regents approved his nomination to a Vilas Research Professorship, the first Vilas professorship to be created in the natural sciences. Vilas professorships are distinguished service professorships which leave the holder free for the pursuit of research and provide additional funds for assistants and supplies.

In submitting his resignation to President Fred Harrington Dean Willard remarked: "The Graduate School of the University of Wis-

consin is one of the best in the world. Dedicated effort on the part of many individuals through many decades has been required to achieve and maintain this position. The challenge of the future to improve quality with growth, are great and exciting. My five years as Dean, during the administration of President Elvehjem and the first year of your administration have been most gratifying in the opportunity to work with you and other members of the administration and with faculty members in all colleges, in maintaining and increasing the strength of our graduate teaching and research programs."

Biographical sketches of Dr. Willard appeared in Badger Chemist no. 4 (1956) and no. 6 (1958).