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WISCONSIN

AUGUST-SEPTEMBER 1965

Alumnus



Letters

Excellence in Teaching

Notwithstanding the general excellence of the *Wisconsin Alumnus*, it has been a long time since an article has brought me the thrill of Hazel McGrath's "The Professor and the Sophomores," appearing in the May issue.

Prof. Merle Curti, subject of the article, is quoted: "I enjoy immensely teaching the American history survey course for undergraduates. I find this brings me contacts I have not had for some time. The students come see me in my office, they invite me to meals at their places of residence. They are responsive, and most stimulating."

These words, spoken by so distinguished a teacher and scholar, will—I hope—cause an increasing number of Wisconsin's faculty leaders to join him in giving to undergraduate students the stimulation and inspiration of contact with them.

Old names, proud names, professors of my undergraduate years, come back to me: Carl Russell Fish, Bill Kiekhofer, Max Otto, Benny Snow, and others whose sparkling and masterful lectures lit many a fire in the minds of their undergraduate listeners.

It is important that Wisconsin's traditionally strong faculty give appropriate attention to students studying for advanced degrees. At the same time it is of high importance that our undergraduate boys and girls be given the privilege of listening to and learning from the University's leading teachers.

I hope that Prof. Curti will have distinguished company among the faculty as he gives directly of his talents to our undergraduates.

Gordon R. Walker '26
Racine, Wis.

Exploding with Pride

I have read Gov. Knowles' "Commitment to Education" in the May *Wisconsin Alumnus*. My shirt can hardly contain me, for I am almost exploding with pride and excitement. But I suppose I should start at the beginning.

The "pride" comes from the fact that as an emigrant alumnus (I originally came from Louisiana to earn two graduate de-

grees), I am certain that the alumni publication of no other institution of higher education in the United States measures up to the *Wisconsin Alumnus*. And the excitement is a response to the simple elegance and excellence of the conception which Governor Knowles exhibits in his article.

Joseph P. McKelpin '48
Durham, N. C.

Missing Persons

I enjoy each issue of your magazine so much, I am reluctant to complain about anything. But I must. On page 21 of the May magazine you have done a dastardly deed—not once, but twice. You "stole" two of the best members of the Great Class of 1927. Elmer Freytag is not '28; Margaret Ellingson is not '30. Elmer belongs to 1927 by "birth;" Margaret (and Dean Goodnight) by "adoption" at our 25th reunion. Please, oh please, give them back to us. Great people like them get scarcer all the time.

Vernon G. Carrier '27
Summit, N. J.

Loyalty and Manners

I agree completely with your editorial in the May issue of the *Wisconsin Alumnus*.

Isn't it possible that we have a sizeable percentage of the faculty who downgrade and ridicule such a thing as sentiment and loyalty to our University and even to our country?

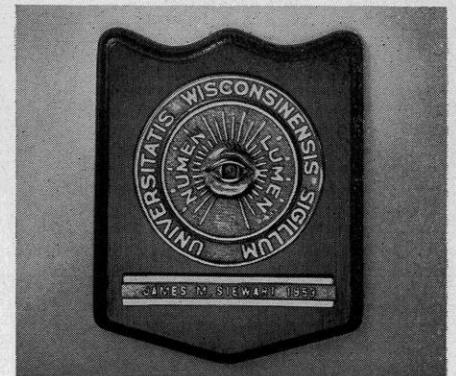
Robert A. Stafford '14
Palm Beach, Fla.

The small minority of students and professors who demonstrate against and shout down those speakers with whom they do not agree are not in favor of free speech except for themselves. They represent mob rule; mob rule is opposed to true democracy. Those who advocate free speech should have the decency and courtesy to listen respectfully to those who express opposite opinions. I wonder how long these demonstrators would last in a communistic society which they seem to admire.

Walter Seiler '07
Milwaukee

Parents Day

PARENTS of Wisconsin students will be hosted by their offspring during a special Parents Weekend to be held on the campus October 2nd. In addition to attending the Wisconsin-Iowa football game, the parents will have an opportunity to visit the various student living units where open houses are planned and to participate in several activities being scheduled for the Memorial Union.



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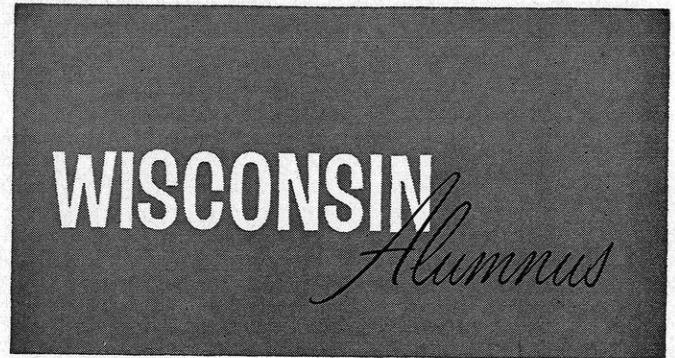
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- Arthur Hove '56 Editor
- Mrs. Gayle Langer Office Manager
- Mrs. Edith Knowles Records Office Manager

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FIRE!

AN EARLY morning two-alarm fire on August 11 extensively damaged the University's Journalism Hall.

The west wing of the 80-year-old structure on Observatory Drive was hit hardest. This area contained the alumni mailing and records office. Several mailings being prepared by the Alumni Association and the UW Foundation were damaged along with a great deal of mailing equipment. However, because the alumni list was recently converted to magnetic tape, it is hoped that there will be no appreciable interruption in service.

This same part of the building also housed sections of the School of Education's curriculum and instruction and art-art education departments, the Foreign Language Laboratory, the Research and Guidance Laboratory, and a classroom. A small adjoining building occupied by the Sanitary Hydraulics Laboratory was also heavily damaged.

President Fred Harvey Harrington said the building had been scheduled for demolition in 1966 to make way for new construction, "but the fire came at a bad time—our space situation is critical. It is quite likely that office and laboratory space will have to be rented. The fire took away 10,000 square feet of space."

The old Journalism Hall was erected in 1885 and originally housed a College of Engineering machine shop. The School of Journalism moved from South Hall to the building in 1953, then moved to quarters in the old Wisconsin High School on Henry Mall early this year.



ABOUT THE UNIVERSITY



Harry Steenbock Professorship

THE Board of Regents has accepted a grant of \$650,000 from the Wisconsin Alumni Research Foundation to endow the Harry Steenbock Research Professorship in Biochemistry at the University and named Assoc. Prof. Hector DeLuca as the first to hold it.

The professorship is established in honor of Emeritus Prof. Harry Steenbock, now 79, who made the monumental discovery of the production of Vitamin D by irradiation of sterols, and who participated in the founding of the Alumni Research Foundation.

DeLuca, 35, a native of Pueblo, Colo., has been at Wisconsin since the early 1950s. He received an M.S. here in 1953 and a Ph.D. in 1955. He was a graduate student under Steenbock and has conducted extensive research on Vitamin D. Of particular importance is his research on the influences of Vitamin D and parathyroid hormone. With his colleagues, DeLuca has demonstrated that these two agents, acting in concert, control both the ratio and total amount of calcium and phosphate in the extracellular fluid, and act upon calcium transport systems.

Income from the endowment will be used to provide the salary and normal University fringe benefits for the recipient of the professorship.

Steenbock's Vitamin D discovery, worked out in the 1920s, virtually ended rickets in human babies. Early in his career Steenbock established that though an animal ration contained an adequate amount of minerals, the animals were not assimilating or holding calcium in their bone structure. He also established that calcium was retained in the presence of an activating factor, a

compound developed by light acting upon either food materials or upon an animal directly. Later, in a further crucial experiment, Steenbock cured rickets in rats with a diet treated with ultra-violet rays. Steenbock completed other significant research with Vitamin A, nutritional anemia, absorption of fats and many other nutritional components.

In the mid-1920s, working with University associates and friends of the University, he formulated the plan that brought the Wisconsin Alumni Research Foundation into being.

Dean Luberg Reports on Federal Support of Education

FFEDERAL AID to higher education is in line with historic American policy, is increasing fast, is good, but it needs closer watching by all involved, Dr. LeRoy E. Luberg, Dean for Public Services at the University, concludes in a study of "Characteristics of Recent Federal Support at the University of Wisconsin," published by the School of Education.

While Dr. Luberg's study is focused on federal support of his own University, he relates it to the full national situation.

His study traces the history of federal support for more than a century, and concludes:

"Productive and stimulating as the growing partnership of the federal government and higher education may be, there is an imperative need for an assessment of the increased interdependence resulting from it.

"By setting guidelines for this united enterprise, and by establishing long-range goals which can be defined for the entire nation and understood by both the scholar and the federal official, our American commitment to education will be realized as a bulwark in protecting the nation's freedoms, the scholar's right to inquire where he pleases, the student's right to learn."

Dean Luberg warns that without such goals and without continual scrutiny, the government-university



Carrying out its annual custom of honoring outstanding ROTC cadets, the Madison chapter of the Military Order of the World Wars presented four plaques to ROTC cadets at the annual Camp Randall review. Pictured above, left to right, are: State Commander and UW Regent Maurice B. Pasch, Army cadets Kenneth Hemauer, West Bend, and James Reich, Green Bay; Air Force cadet Donald Hermanson, Woodville; Navy Midshipman George Affeldt, Jr., Wauwatosa; and Capt. Joseph W. Bollenbeck '15, USA-Ret.

partnership might produce excessive federal controls, overemphasis on selected disciplines and institutions, and imbalance in financial assistance for students.

He calls upon the federal government to unite its interest and information on aid to higher education, upon the major organizations representing higher education to formulate and support a basic policy on federal aid, and upon his own University to establish an elected faculty Federal Relations Committee to review an annual accounting of all federal funds and programs at the University of Wisconsin.

Dr. Luberg's study contains a wealth of statistics on federal aid to higher education, a detailed analysis of the "good" it has produced, both for federal agencies and educational institutions, and recommendations for improvements directed at the federal government, the nation's universities and their organizations, and at his own institution.

A sampling of his recommendations include:

For the Federal Government—

1. Assume some responsibility for the total support of institutions of higher learning instead of concentrating only on those selected dis-

ciplines which can provide "emergency service";

2. Allot sufficient funds to institutions doing sponsored research to prevent any loss to the institution through overhead costs;

3. Locate federal research centers physically on university campuses;

4. Extend the NDEA Loan program and sponsor a nationwide scholarship program for undergraduates with no restrictions with respect to age, course of study or college.

For the nation's universities—

1. Demand financial summaries which will reveal the total involvement of higher education in programs of federal interest;

2. Work for balanced federal support of higher education including the strengthening of small institutions through federal assistance;

3. Resist requirements for "loyalty oaths and other repugnant conditions" which have no absolute connection with federal projects.

For the University of Wisconsin—

1. Give first priority to undergraduate scholarships, second to student loans in all fields, and third to a work-study program, with responsibility for designating recipients of student aid as a faculty function;

2. Restore balance in financial support among departments by promoting programs in the nonscientific and nontechnical fields;

3. Emphasize the facts that though the University is national in scope, its roots must remain in Wisconsin and strong local support serves as a foundation for increasing amounts of federal support, to the advantage of both the state and the nation.

Professor Says Federal Control of Science Unlikely

POPULAR fears that scientific research will be controlled by government agencies which provide financial support are exaggerated, says a UW sociologist after interviewing scores of scientists.

Prof. Warren O. Hagstrom says a major reason why such control is quite unlikely is that many scientists can obtain research funds from a number of sources without difficulty. He also points out that the scientists themselves often control the allocation of research funds by serving as consultants to foundations and agencies.

Hagstrom's views are reported in *The Scientific Community*, just published by Basic Books, Inc. The book is based on interviews with 79 scientists, including mathematicians, physical scientists, and biological scientists.

The control of research funds by scientists is one example of social control within the American scientific community, says Prof. Hagstrom, a control exercised primarily through the reward of social recognition for contribution of information.

Two kinds of recognition are critical to establishing an effective social control in the scientific community, he says. First is "institutionalized recognition," given through the formal communication channels in science by the publishing of scientific articles. Second is "elementary recognition," given through personal contact among scientists.

"Scientists prize the recognition that comes from being the first to present a discovery, and they compete strenuously to obtain it," Prof. Hagstrom says.

A new wildflower guide published by the UW Arboretum will make it easier for you to identify wildflowers. Although many of the wildflowers covered in the new guide can be found in the University's 1,200-acre Arboretum, the booklet will primarily help identify hundreds of plants which brighten the woods and fields of Wisconsin and the nation. Here, the co-authors of the guide, Booth Courtenay and Dr. Jim Zimmerman, are shown examining a bearded tongue, or *Pestemon*, in the Arboretum.





WOMEN

are one of this country's major untapped resources. The educated woman who has spent a portion of her life raising a family and, at the approach of middle age, suddenly finds herself free of many of her early responsibilities, suddenly discovers that she has more leisure time at her disposal. As a result, she seeks to fill some of the gaps in her experience by returning to work or by furthering her education. Such a woman—with her experience, motivation, and capacity to learn—can be a valuable asset in a changing and complex world that demands people be better prepared for life. The University of Wisconsin recognizes this fact and has a series of programs under way to explore ways in which the educated woman can make substantial contributions to our society. The following series of articles by Jean Clausen, herself a housewife and mother of four, describes the ways in which the University is working to expand the horizons of today's woman.



Mother is Back in College

by Jean Clausen

MOTHER is going back to college! So many mothers are going back, in fact, that there is a special office at the University of Wisconsin to look after their needs. It is designated "University Education of Women," and its director is Kathryn F. Clarenbach, Ph.D.

To quote Mrs. Clarenbach: "In 1961 the Dean of Women's office, with the aid of (then) Vice President Harrington, sent a questionnaire to women in the Madison community to learn the degree and directions of their interest in continuing education. In January of

1962 this office was created to cope with the Pandora's Box we opened, and it has grown from a part-time function of the Dean of Women to a full-time department in the Division of Student Affairs."

Why is mother going back to college? Mrs. Clarenbach's office has delved into this subject, too. A good bit of her time is spent counseling women who come in for advice on educational and/or employment opportunities. In addition, more than 200 women have taken a special summer evening course of four lecture-discussions entitled "Today's

Woman in Tomorrow's World." Many of these took advantage of a counseling service offered to help them decide how best they could use their particular abilities and what additional education would be necessary.

The women taking the course seemed to feel that this generation of mothers has more conflicting tugs and demands, fewer certainties in expectations, far less leisure time to call their own than did their mothers, and that the urge to "do something on their own" is very real and immediate. Some of these are satisfied with University courses taken for their own cultural enrichment, but Mrs. Clarenbach estimates that about 90% of the people who come to her office for an interview are serious job seekers. Some can go out and find employment with the training they now have, or with a refresher course available through the Extension Division. Others wish to enter a new field or do not have sufficient education to pursue their field of greatest interest and ability.

So these women are going back to college—and in fair numbers. The number of women over the age of 25 registered for classes on the Madison campus has grown from 721 in the academic year 1961-62 to 1,030 in 1964-65. While 70% of these are graduate students, there is a substantial and growing number of older undergraduates. At the same time the percentage of part-time students is increasing. The academic performance of these mature women is above average. In a recent study, over one fourth of the women over 25 had straight A's; almost half had over 3.5, and nearly three fourths of them had a B average or better.

Who are these women and how do they manage their lives to include classes and homework in addition to the usual activities of the mature

Pictured below are three women who are currently involved in the women's education program at the UW. From left: Mrs. Margaret Reiman, a former E. B. Fred Fellow who did a study on mature women enrolled at the University; Mrs. Marian Lord, a current E. B. Fred Fellow and former member of the New Hampshire House of Representatives who is studying guidance counseling; and Mrs. Kathryn Clarenbach, director of University Education of Women.



woman? Two of them elected to write their thesis for a master's degree on the subject of their fellow students to try and answer these questions.

Shirley Wright analyzed a detailed questionnaire returned by 318 women over the age of 25 who had been registered in the fall of 1962. Almost half were between the ages of 30 and 44 years, and two-thirds were or had been married. Three-fourths of the married group had children. As many as five, seven, and eight children were reported, the larger families in the older age group. Almost half of the mothers had pre-school children.

About half of these students were Madison women, but some came from other states and even from foreign countries. Of the 46 women who commuted to classes from outside Madison, three of them came from distances greater than 75 miles. Yes, it did take some rearranging of lives and family situations for some of these women to return to school. Of course, many of them were not full-time students. Mrs. Wright reports: "Women in the 25 to 29 age group were most likely to be full-time students; the other age groups were very evenly divided with half being part-time and half full-time students."

And what do they study? Education and the humanities were the most popular choices. Only three women were majoring in mathematics, and none were in engineering. It was found that most of these women eventually wanted jobs. Mrs. Wright concluded that "60% of the continuing women students selected occupational directed majors as opposed to general information majors. It appears that the older women tended to choose majors directed to specific occupations more often than did younger women."

As would be expected, it is the woman who was a good student to begin with who returns to school after an interruption. (Some of these interruptions were for full-time employment, but most were to raise a family.) Over half the women studied were members of general scholastic honor societies. Not all

were outstanding, of course, and it was found that grade point averages were substantially higher than in their earlier college experience.

Their study time varied from five hours to 50 hours a week. Mrs. Wright found that "Women over 40 years of age seemed to spend more time per credit studying than any other age group. Those between the ages of 30 and 39 years reported the least time studying on a per credit basis."

Mrs. Margaret Rieman did a detailed study of a sample of twelve of these women, entitled "Similar-



President Emeritus E. B. Fred has been instrumental in the development of the University's educational programs for mature women.

ities among Mature Regularly Enrolled Women Students at the University of Wisconsin." She reports: "Everyone seemed to have some problems in returning to school. For some it was the great advancements that had been made in the sciences since they were in school, for some it was a matter of concentration, for some memorizing was the problem. Examinations seemed to be no problem for some and a very great source of concern for others, and yet student grade reports confirmed ability to cope with subjects."

OF COURSE, financial problems always appear when one decides to pursue higher education at

any age. Mrs. Wright found that in her group "Students' own current earnings were the greatest source of funds for continuing educations. Seven percent of the students reported they had some help from parents. Husbands provided financial support for a large proportion of the married women. Other sources of support for education were savings, fellowships, and scholarships. Eighteen women reported loans as a way to support university education."

Very few loans or scholarships are available to part-time students, and lack of finances was a real deterrent to many women who might have pursued an advanced degree in this way. To meet this need, a three-year experimental fellowship program, supported by a grant from the Carnegie Corporation of New York, was begun in 1963. It was planned "to prepare women for the Ph.D. or other advanced professional degree in any field of academic study. Women of high academic standing who intend to complete graduate training in order to teach and/or do research at the college level may apply for an award." The Board of Regents chose the name of Edwin B. Fred, President Emeritus of the University and a long-time champion of women's education, for these fellowships.

The E. B. Fred Fellowships are reserved for "those categories of women who have had gaps in their academic lives and who are either ineligible for other fellowships because they cannot be full-time students, or who cannot compete favorably for regular awards because of prolonged absence from their professional fields."

Fifty-four women were awarded these fellowships during the three-year period, many of them receiving the fellowships for a second or third year. An evaluation by Kathryn Clarenbach at the midpoint in the experiment, immediately after the second group was selected, has this to say: "Prior academic performance, motivation, maturity of goals and plans were all high; the Committee was (most) impressed with the quality of the applicants. The

921 women on campus over the age of 25, including the E. B. Fred Fellows, are doing well and are creating a favorable and receptive atmosphere for others.

"One foundation and more than a dozen colleges over the country, Canada, and one in England, have been in fairly close touch with us about this program—its philosophy, mechanics, shortcomings, and success. Our state universities and all institutions offering graduate work in Wisconsin have gradually increasing enrollments of mature women and are increasingly willing to permit part-time, flexible schedules. While it is impossible to trace direct cause and effect, certainly the firm and outspoken stand of the University of Wisconsin which the E. B. Fred program represents, cannot

help but set a direction and pace for our sister institutions."

It is hoped that aid of this kind will continue to be available, although this particular fellowship has come to an end. Another financial need of this group of women is adequate day care for pre-school children. The University YWCA and Dr. Helen Dawe, director of the University Lab School, have been working out plans, but lack of space and funds has prevented their fruition.

HOW DOES the returning married student manage her life? Most of those studied reported husbands very cooperative about their return to school. Mrs. Wright found that the husbands were of high educational and occupational status themselves; over half held doctor's, master's, or professional degrees.

About two-thirds of the husbands were reported in professional occupations.

The twelve women in Mrs. Rieman's detailed study did not have pre-school children, so child-care was not a problem for them except in case of illness. Eight of these women had families to keep house for; five of them had part-time help. Most husbands helped with some of the household chores, and even children took responsibility when necessary. The women described the children as less cooperative than the husbands, but probably rather proud of mother's accomplishments.

According to Mrs. Rieman, "All the mothers with families felt that families and their interests came first and they tried to plan so that the family pattern would not have to be altered too much by mother's return to school. Week-ends seemed to be held for family affairs."

The recreation of these women of course varied, depending on the family situation. Mrs. Rieman found that "most of these women seemed to have friends of all ages on campus; young people seemed for the most part very acceptant of these women."

To those in the interim years, who hope eventually to return to college, these women had some words of advice:

Consider the possibility of taking languages during the years when you may not attend school regularly—especially if you may be considering taking a Ph.D.

Learn to type well enough to be able to type your own papers.

Do some extra reading in the library before going back to classes.

Consider refreshing your former study habits by reading a book on *How to Study*.

Don't vacuum every day if you're trying to go to school. I think a great deal of the cleaning I did was for my own satisfaction because nobody seems to miss it now that I don't do it.

Most of these women were found to be "continuous learners" during

Mrs. A. D. Anderson (Phyllis Schwingel '48) is one of the many women who are returning to the University to extend their education. Mrs. Anderson, shown with her husband, Dr. A. D. Anderson, and children, Cristen and Andrew, is working toward a doctorate in Hebrew studies.



the years when they were not in school. Books, libraries, and reading had always been important to them. Mrs. Rieman has some words of advice for these continuous learners:

"The author sees in the education of women a source of better family relationships, of more thoughtful concern about behavior problems in the home and in the community. It would seem that here is an area where women deeply concerned with the raising of families might make a contribution. Here is a challenge to the women who are not necessarily career-minded, but who feel that they prefer to give the preponderance of their time during the years their children are growing up to husband, family, and home, and the activities involved in and growing out of these relationships. A single course a year or every few years, with some of these courses in the area of understanding human behavior, might do much to alleviate problems in the home and might be the continued learning that would lead to a degree which would be an investment for a woman in case the

need or the desire for a career arose later in life."

Now what are the aspirations of these continuing women students? Mrs. Wright found that "over 80% planned to be engaged in a career in five years . . . a great majority, nearly three-fourths, expected to be combining the home and family roles."

Mrs. Rieman asked her twelve representative women: "If you were eminently successful in your field, what sorts of things would you like to do with your extra funds?" The author had hypothesized that these women would make two choices, that one of these would concern themselves and the other would have to do with helping other people. This proved true: "With one exception (she would buy a mink coat), they said they would like to use their extra funds for travel, books, and education; and all of them had some or many philanthropies in which they were interested—research, scholarships, church. . . . UNRA, UNESCO, CARE, the Elvehjem Art Center . . . conservation of the wilderness."

Mrs. Wright also found unselfish motives in the 318 women she studied. She writes, "(Certain) trends appear which are of sufficient importance to warrant further study. One such finding was the high proportion of women reporting that service motives were listed in the constellation of motives (others being intellectual, social, economic and prestige) by nearly three-fourths of all respondents, and as "most important" by nearly half of the women in this study."

For whatever reason the mature woman is returning to the college campus, she is finding it challenging, fascinating, and she is holding her own well with younger classmates.

The University of Wisconsin's department of women's education sees at least 200 women a year who are interested in further education and/or employment. Some are referred to counseling services, some to jobs for which they are already qualified, and some are given assistance with registering or financial help. Other needs of the returning woman student are being studied so that the University can be of maximum help.

Counseling, Explorations, Spring Tonics

AS THE foregoing article points out, many adult women, especially those with previous college training, feel a compulsion to do something more significant with their lives. However, not all of these are serious job seekers. Many of them are finding fulfillment in cultural enrichment, which makes them better homemakers and better citizens of their communities and the world.

The University Extension Division created a department of Women's Education in October, 1962, directed by Mrs. Constance F. Threinen (UW '47). According to Mrs. Threinen, "The need for special educational services for adult women results from the changes in the lives of women in recent decades. The day has passed when a

married woman's full talents and energies had to be expended in the role of homemaker. Now several adult-life stages exist with a great diversity of life patterns from one stage to another and every indication of an increase in this diversity. Also, married women are increasingly able to escape from the rigidity imposed by earlier homemaking duties so that even during the years of child-rearing a woman can engage in activities which satisfy her individual desires."

The Women's Department of the Extension Division has two primary functions: counseling and special academic and training programs. There are field representatives in every section of the state available for counseling, and in three locations there are area coordinators of

continuing education for women who do a great deal of counseling. They are: Mrs. Ione Brown for Green Bay, Mrs. Kathy Capwell for Racine and Kenosha, and Mrs. Jane LeDain for Fox Valley.

While individual counseling and testing are available in some centers, all three have had a high degree of success with what they call "group counseling." A five-session seminar called "Explorations" was held in the Fox Valley Center in the spring of 1963 to help adult women understand the changing society and women's various roles in it. It was seen as a prelude and an aid to individual counseling, rather than as a substitute. A variety of speakers presented a program which ranged from a broad, general view of our changing society to specific interest

areas such as personal enrichment, civic activities and employment, and the value of education to all these interests. A seven-session seminar was held in the Green Bay Center in the fall of 1963, the purpose of which was identical to that of Explorations, though its content was somewhat different. A similar but smaller session was held in the Kenosha Center in the summer of 1963.

Typical of the women who participate in these sessions is the group who enrolled in Explorations at the Fox Valley Center in March of 1963. Ninety-six percent were married and the remainder widowed or divorced. Their ages ranged from 23 to 57 years. Over half were between 35 and 45. They had from 0 to 6 children; 75% had their youngest child under 12.

Most of these women were housewives. Two-thirds had some college training. The vast majority of the women listed either mental stimulation and self improvement or encouragement and guidance as their reasons for registering for the seminar. Only a very few listed employment possibilities.

Non-credit liberal arts courses have been offered in all three of these centers and in Madison and Milwaukee. Fields in a wide variety

have been explored, and in several instances concurrent classes in creative dramatics and physical education were held for 3-, 4-, and 5-year olds to facilitate attendance by mothers of small children. For example, an eight-session seminar on the effect of new knowledge in the world was held in the Fox Valley Center in the fall of 1963. The content was inter-disciplinary with a team of eight professors from Lawrence College in Appleton, two of whom acted as coordinators, leading the discussion and adding continuity to the series. Subjects covered were history, religion, art, English, biology, economics, anthropology, and physics. Forty women enrolled in the class and at its end indicated their desire for more of the same. "Adventures in Continuing Education," a continuation of the same idea, was held in both Green Bay and Fox Valley Centers in February and March, 1964, with different faculty people in each location and with faculty people from the U. W. Centers, as well as from other institutions in their areas.

Five-session seminars are being held both spring and fall in the three Centers and Madison under the titles "Spring Tonic" and "A Season for Learning." Subjects range from "Effective Speaking and

Listening for Women," "The Role of Humanities in 20th Century Living," "French for Travelers," to "Modern Dance for Miss or Mrs."

In Madison the sessions are jointly sponsored by the University and the Madison Public Library, "recognizing the need of the homemaker for the stimulation of classroom instruction and discussion," to quote the brochure of the first "Spring Tonic" courses. The brochure goes on: "A glance at the following pages will show you a varied program with the highest quality instruction; the cost is nevertheless modest." (Ed. note: it was \$7.50 for each adult class and \$3.00 for each children's class. The charges vary, but this is about average.) "The off-campus, suburban location will eliminate any parking problem and minimize time difficulties. The daytime scheduling and the arrangement of concurrent classes for youngsters and adults is designed to enable mothers of young children to participate in an adult program with no feeling of neglect for the family. Indeed, the intellectual stimulation is sure to make the mother more valuable and interesting to her family."

THE COORDINATORS of women's continuing education agree that adult women are not a captive audience; they will not return to a class if they are not interested. They feel that the most successful courses were those which dealt with the humanities and that an important factor in every case was the ability of the instructor to communicate with adults. Apparently these coordinators have found the right combinations; their courses are more successful and well attended each time they are offered, with a few minor exceptions which are not then repeated.

Faculty lectures and concerts sponsored by the Extension Division are special events in many communities each year. Probably the oldest function of the Extension Division, correspondence instruction, is as near as the mailbox to alumni in all parts of the world. It offers personal tutoring at the student's

Mrs. Constance Threinen, second from right, works with a group of women planning Extension Division programs centered around servicing the educational needs of adult women.



own pace and place—a great advantage for the young mother who must work her learning into a demanding home schedule.

Special classes, both credit and

non-credit, are held in various communities each semester. A faculty member goes where there is a group requesting a classroom experience at hours convenient for his regular em-

ployment. Many women preparing for professional employment in teaching, social work, or nursing meet their need for refresher courses in this way.

Milwaukee: Servicing Metropolitan Women

WOMEN in the Milwaukee metropolitan area present a slightly different picture from other parts of the state. Professor Dorothy Miniace, coordinator of women's education for the University of Wisconsin at Milwaukee, finds that she sees about as many serious job seekers as she does cultural enrichment seekers. She says: "The extensive use of automation in the home and the resultant increase of leisure time has prompted many mature women to be concerned about the fuller development of their talents and abilities. Women of today are seeking new knowledge related to self, family, local, national, and international citizenship. Their contribution to society can be greatly enhanced by further education, and we want to assist them in every possible way."

Last semester 550 women took non-credit courses at UWM, and 1,145 women over the age of twenty-five were registered in courses for credit. Half of these, however, were taking only one course. Figures on their fields of interest are not immediately available, but in a previous year almost half of those declaring a major were in the education field. Other fields chosen by more than ten women were English, nursing, social work, sociology, and psychology. Again there was little interest in science or mathematics.

These women gave as their reasons for wishing continuing education such statements as the following:

"Since my children are on at school, I feel I should use my education and intelligence to help more than my immediate family, who are needing less and less service from me."

"The need and desire to know, to grow, and improve, to be an active

participant in this world rather than a passive consumer."

"For a better paying job. Looking toward the day when I may have to support my family and put my children through school."

For women in the Milwaukee area who are seeking cultural enrichment courses, there is a wide variety available each spring and fall, given in eight- to sixteen-week courses called "Daytime Learning Especially for Women." Subjects range from contemporary dance, reading improvement and study skills, through concert previews and understanding Twentieth Century visual arts. Another series included costume crafts, watercolor painting, and Negro writers in the modern world.

On May 15 of this year a very successful one-day conference called "Women in Action" was held on the UWM campus. Outstanding women from all over the country addressed the group on the following subjects: "Today's Woman, an Evaluation," by Mrs. Anne Steinmann, Ph.D., New York; "The Creative Woman," by Mrs. Dorothy K. Goldberg, Washington, D.C.; "The Woman of Conscience," by Mrs. Hazel Brannon Smith, Lexington, Miss., and "The Woman of Concern," by Mrs. Geneva Mathiasen, New York. The latter two were on the race question and the problem of the aging, respectively. Miss Miniace hopes this will be a prelude to the formation of small groups who wish to do something about these two as well as other current problems in our society.

In this conference it was pointed out that women have a strong urge to be creative. This can be expressed in their lives as homemakers, in their creative use of leisure time in

the arts, in a paying job, or in volunteer activities. UWM's department of women's education has a program for each of these fields.

During the summer two sessions called "Living with Young Children" were held. Classes met each morning for two weeks and consisted of mothers and their three- to six-year old children. The mothers studied child development and were able to observe their children in a group. The children had classes in art, drama, and physical education. This series was announced by a newspaper article in March, and both sessions were filled within three days.

For the woman interested in volunteer work, Miss Miniace hopes soon to begin a "high-level volunteer training program" which will not only train women but screen them and by counseling help them to find the best area for their valuable services.

For the serious job seeker this department offers counseling and referral to two or three departments if the woman is undecided about her field. Occasional placements in a University position are made, but this is not considered a major function.

For the mature women students, Miss Miniace holds a convocation in the fall. She finds their chief needs are for help with registration and scholarships. Faculty wives have raised \$1000 for scholarships for women over twenty-five, which will help fill some of these needs.

At first some faculty members were dubious about accepting mature women in their classes, but Miss Miniace now reports: "The professors are finding these women stimulating, and in many ways they are an asset in the classroom."

Days and Weeks for Women

FOR THE woman who finds it impossible to enroll in credit or non-credit courses, there are special "days" or "weeks" on the Madison campus which enable her to be one of those continuous learners who never quite satiate her thirst for knowledge. Perhaps the most well-known of these events is the annual "Wisconsin Women's Day," held this year on April 29th.

On May 1st of this year, the UW Extension Division, the League of Women Voters of Madison, and other organizations sponsored a one-day program called "Antidote for Apathy" which was held at the Wisconsin Center Building. The purpose of the day was to encourage Wisconsin women to make a more positive contribution of their talents to their communities and their state, especially in the world of politics. Successful candidates for offices in Appleton, Ashland, and New Hampshire addressed the group, as well as party workers and members of other panels who explained the intricacies of "Crusading for a Cause."

Mrs. Howard Sandin, school board member from Ashland and mother of seven children, remarked that she had put in 15 years in PTA work and still had eleven years to go. She advised the political aspirant to: "Be well informed, but not too aggressive. Be ladylike. Be authoritative in a quiet way. Be patient. Women often can be more effective than men because they are used to seeing progress come about as a series of tiny victories."

Mrs. Norris Krohn, Oshkosh, vice chairman of the Republican Party, said, "The ideal woman in politics should look like a girl, act like a lady, talk like a man, and work like a dog!"

Another speaker was Marian M. Lord, formerly of the New Hampshire House of Representatives. She had been a member of the League of Women Voters for fifteen years when, in her words, "I wanted perhaps a little more meaning and continuity in my activity." After several terms in the House, she decided to enter the field of education. She is now an E. B. Fred Fellow at the University of Wisconsin, studying

Opposite: Wisconsin Women's Day, which provides an outstanding opportunity for women to return to the Madison campus for a day of intellectual stimulation, has become one of the most popular events sponsored by the Alumni Association.

for a doctorate in guidance and counseling.

There were two opportunities in June for women to come and live on the campus and go to classes for a few days. The 1965 "College Week for Women," was held on June 8, 9, and 10 and was sponsored by the Wisconsin Extension Homemakers Council.

Women from throughout the state lived in Chadbourne Hall and attended seminars, classes, and general sessions at the Memorial Union and Wisconsin Center. Each woman enrolled in two seminars, which met three times during the week, and in two classes which met once during the session. Seminars provided studies in depth in a variety of subjects, such as: "Improving Speaking Ability," "Wisconsin Bird Life," "Textile Research," "Understanding the Dynamics of Your Group," and many others. Among the classes were such topics as: "Financing Education Beyond High School," "Historical Sites and Places in Wisconsin," and "Surface of Wisconsin." Also offered was "Bird's Eye View of Wisconsin," an air tour showing windbreaks, shipwrecks, and other interesting views of the state.

The second opportunity for on-campus living and learning was sponsored by the Extension Division in cooperation with the Wisconsin Federation of Women's Clubs. Scheduled for June 21-23, the conference provided lodging at the Towers, a new air-conditioned dormitory at 512 N. Frances Street. The Towers was used this summer entirely for adult programs. This particular program was called "New Directions in the Arts" and featured professors of speech, dance, English literature, art education, music, and architecture from the UW campus. Participants came to acquire techniques and content to take back to their local women's clubs.



THE DEPARTMENT of Women's Education in the Division of Student Affairs is also concerned with the younger undergraduate whose education has not as yet been interrupted. The U. S. Department of Labor points out that a "revolution" is occurring in the patterns of women's lives—a revolution which requires that girls develop a new self-image. This must begin to form in the early teens.

For example, about half of today's young women are married by age 20 and have their last child at age 26; by the time the youngest is in school, the mother may have 40 or more years of life before her.

The Department of Labor states that "Girls must be helped early in their teens to prepare them for the dual role of homemakers and workers. Only as meaningful choices are made early will girls be able to realize their fullest potential in both spheres."

With this in mind, the Association of Women Students and Mortar Board, with Mrs. Clarenbach as adviser, send to each senior woman in the fall of the year a "senior packet." It contains information on career possibilities as well as graduate study information. Mrs. Clarenbach says, "One of our most difficult and yet most urgent responsibilities is making the young woman aware of the realities of her life ahead and to encourage her to avoid the educa-

Preparation for a lifetime of education

Keeping the Fire Burning

tional shortcomings of the older generation."

The mature women studied by Mrs. Wright and Mrs. Rieman all advised the scholastically able young girl to get as much education as she possibly could. To the young married woman with a family, they said, "I'd keep a hand in your education somehow."

Mrs. Rieman uses the following example: "In thinking of education and at this time especially in terms of women, the author is reminded of her childhood and the great blast furnaces of Pittsburgh. Those great furnaces that glowed red along the banks of the Ohio and Monongahela Rivers and painted the sky with a

light that no child having seen will ever forget, were a symbol of industry, and wealth, and well-being for a community. When there were troublesome days, when the community was threatened with a strike, the fires were banked until there might be a chance to settle the strikes, because to let the fires go out and then to restart them was very costly.

"And so it is with education. To bank a fire and bring it back to red heat is expensive and something one would prefer not to do, but to let those fires go out is tragedy, and more costly—both in wealth and in mental and physical frustration—than society can afford."

From Mev to Bev: The Story of Nuclear Science

by Howard Plotkin

AS FAR as we know, there are four distinctly different types of forces acting in nature. The gravitational force is the most familiar. Electrical forces provide the attraction between chemical elements to form compounds. Weak forces are responsible for the normal radioactive decay of some elements. The fourth class of forces are nuclear forces. Physicists have long known that these nuclear forces exist, for otherwise, atomic nuclei would blow apart spontaneously from the mutual repulsion of positively charged protons.

Perhaps no single problem in the history of science has commanded the concentrated effort, the number of scientific workers, and the physical equipment that has been brought to bear during the past three decades on the solution to the problem of the nature of the nuclear forces. In spite of the concerted effort, however, a generalized mathematical statement of the nuclear forces has not yet been worked out.

The basic research instrument that physicists use to learn more about nuclear forces is called a particle accelerator. Although there are two basic types of accelerators—electrostatic and circular—they both operate on the same fundamental principle: charged particles—usually electrons or protons—are put into an electrical field which exerts a force, accelerating the particles to high speeds and energies.

The simplest accelerators are the

electrostatic types, such as the Van de Graaff machine. In this, a wide belt of fabric or rubber on a set of pulleys carries electrical charges into a metal sphere which is mounted on very good insulators. The sphere thus rises to a very high voltage.

To charge the belt and to remove this electrical charge inside the sphere, Van de Graaff used the well-known principle that electric current flows rather easily from sharp metal points. He therefore sprayed electrical charges from needle points onto the belt and used needle points to remove the charge inside the sphere.

A more sophisticated Van de Graaff accelerator was designed by Prof. Raymond G. Herb of the University of Wisconsin. This machine had all parts mounted within a steel tank and operated in an atmosphere of high pressure air.

The potential within this accelerator was built up on three metal shells, each surrounded by another. An insulating belt carried the static electricity from its source, a transformer, into the shells, or electrodes.

The proton beam thus generated was then “shot” down a porcelain vacuum tube to a powerful magnet, where it was broken into two beams. One beam was directed through the analyser, a measuring device serving to control generator voltage which could automatically correct deviations. The other beam was sent to the target, or element under experimentation.

By 1941 Prof. Herb’s group had

perfected a generator capable of accelerating atomic particles to 4 million electron volts energy (Mev). This means speeds of about 70 million miles per hour, or one-tenth the velocity of light.

In April, 1943 the Federal Government asked the University’s permission to move this accelerator and a smaller model to a secret laboratory—now known to have been Los Alamos, New Mexico. The Wisconsin accelerators were so built that they could be moved with relative ease, and were the best suited in the nation for that purpose. Another valuable facet of these machines was that they had been so carefully designed that they were capable of nearly 24 hour-a-day operation. Among accelerators of that day, this was unusual.

Additional refinements of the Van de Graaff and the Herb pressure electrostatic generators led to the development of the tandem-style Van de Graaff accelerator. Prof. Herb also contributed to the development of this machine.

THE UW accelerator, which occupies underground quarters on the Madison campus between Sterling and Birge Halls, is of this design. Costing over \$1 million, the 14 Mev accelerator was awarded to Wisconsin in 1957 by the Atomic Energy Commission in recognition of previous work by nuclear experimenters Profs. Raymond Herb, H.H. Barschall, Hugh T. Richards, and Willy Haeberli.

The tandem-style machine is basically a two-headed version of the earlier models. Negatively charged ions are accelerated from ground potential by a positive electrode in the middle of the machine's 34 foot long vacuum tube. This step boosts particle energies to 5-7 Mev.

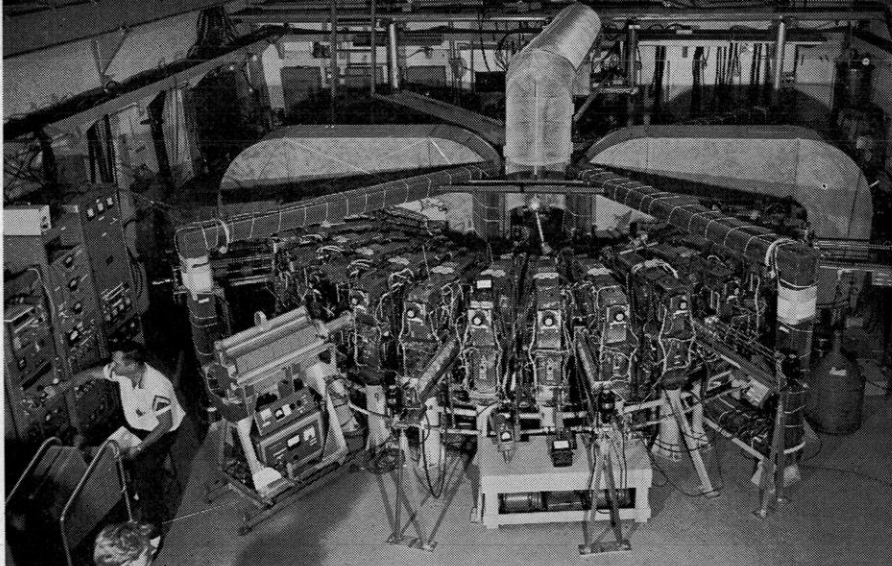
The particles then collide with either an electron cloud or a thin carbon foil in the middle of the vacuum tube. Electrons are stripped away in the collision, leaving particles with a positive charge. They then receive a second 5-7 Mev energy boost in moving from the electrode to ground potential at the opposite end of the tank. This second step in acceleration explains why the machine may be thought of as a two-headed Van de Graaff. Older machines approximate only the first stage of the newer model.

The new machine has been used extensively for experiments with polarized particles, that is, particles whose spins are aligned in the same direction. Prof. Haeberli and his research group, in particular Dr. Willy Gruebler and Peter Schwandt, have designed and built a source of polarized negative ions that can be used in conjunction with the UW tandem-style accelerator.

Nuclear forces are, to some measure, dependent on the spins of the atomic particles. The current experiments with polarized ions are thus an attempt to arrive at a better understanding of the complex nature of the nuclear forces.

While progress was being made in the development of electrostatic accelerators, a radically different design was conceived by E. O. Lawrence at Berkeley, California in 1930. This type of accelerator, called a "cyclotron," uses a magnetic field to bend the particles in circles. In this machine, the ions whirl around inside of two semicircular electrodes, or dees, and receive an electrical push as they pass from one to the other. Every time a particle crosses the gap between the dees, it is accelerated.

The velocity of the particles thus becomes greater and greater. As a result of inertia, the particles spiral out to a larger and larger radius.

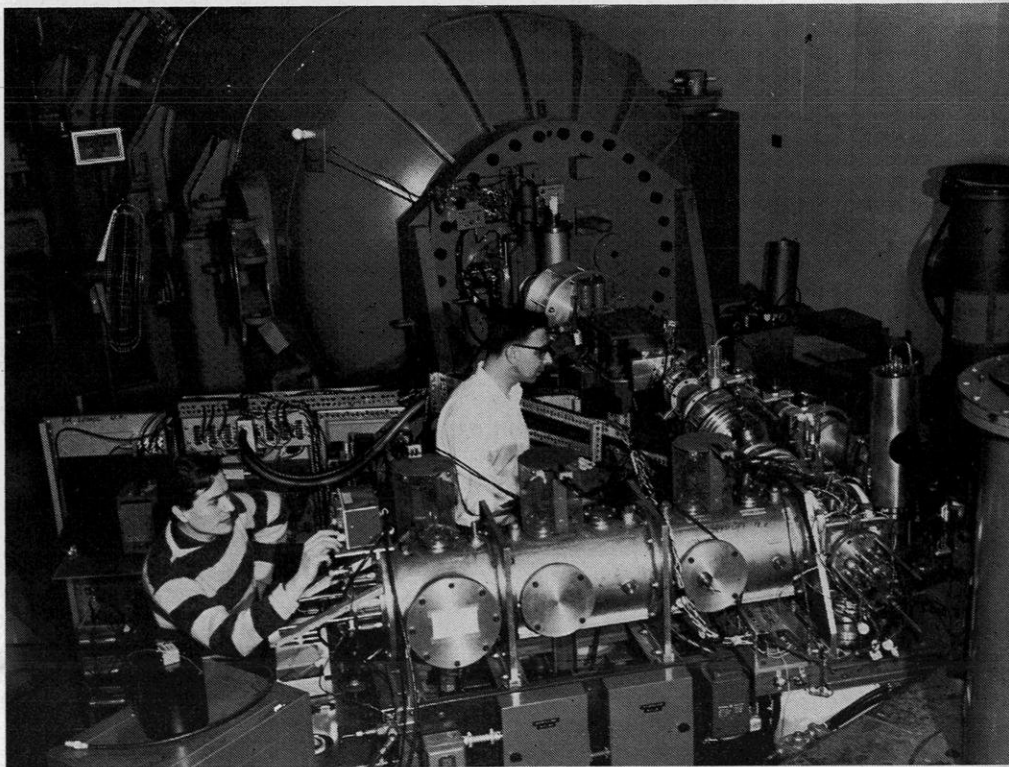


Studies with this accelerator, a 50 Mev pilot model of the FFAG design, may lead to the future submission of a proposal to build an 800-1000 Bev model in the Midwest. Prof. Keith Symon, associated with the University of Wisconsin and MURA, conceived the idea for this machine. Shown here is James Hogan, a technician, operating the control panel of the pilot model designed, constructed, and placed in successful operation by MURA.

The frequency of revolution of the particles stays the same for all energies—that is, no matter how large the radius becomes. As the radius of the particles' orbit increases, their path takes them to the edge of the magnetic field. There they can be extracted in the form of a beam, and used for experimentation.

Prof. Donald W. Kerst, who received his Ph.D. from UW in 1937, developed the first betatron—a circular accelerator which utilizes a transformer to accelerate particles—two years later while associated with the University of Illinois. His first machine produced 2 Mev. From 1940-41 he built a

A newly-designed ion source which can be used in conjunction with the University's 14 Mev tandem-style Van de Graaff accelerator has been designed and built by UW physicists Willy Haeberli, Willy Gruebler, and Peter Schwandt. Shown here are Peter Schwandt (left) and Prof. Gruebler checking the ion source prior to an experiment.



larger model ten times as powerful. By 1950 a Kerst-designed betatron was in operation with a capacity of 300 Mev. Aside from the betatron's role in experimental physics, it is also used for producing very powerful x-rays for medical and metallurgical work. Now at Wisconsin, Prof. Kerst is working on possible ways to contain and handle thermonuclear reactions in the laboratory.

Because existing high-energy research installations were located on the East and West Coasts, Midwestern universities in 1954 laid plans for a huge new accelerator to be built and operated by a cooperative organization known as MURA (Midwestern Universities Research Association).

Prof. Keith Symon, who divided his time between MURA and the University of Wisconsin, conceived the idea for the new machine, now referred to as the "FFAG" accelerator, or fixed-field alternating gradient, in reference to its basically radial-sector design. Profs. Symon and Kerst were both instrumental, along with many colleagues at other universities throughout the country, in working out the theory behind the FFAG accelerator. A 50 Mev pilot model of this machine was designed and built by the MURA staff.

While construction of the MURA machine was recommended by the Joint Committee on Atomic Energy of the U.S. Congress, other considerations led to abandonment of the project, and at the present time the MURA organization at Wisconsin is utilizing its 50 Mev pilot machine in research to improve certain features of accelerator design.

THE MURA laboratory is also used for work on design and experimentation with a hydrogen bubble chamber—a device used to explore the nature of extremely small, short-lived particles formed when speeding particles collide. Very little is known concerning these strange particles, but they apparently lie somewhere in the border region between matter and energy and, as such, possess many vital clues to nature's fundamental laws.

Another area of MURA activity

is a study group which is working in cooperation with Argonne National Laboratory to study the problems concerned with the building of an 800–1000 billion electron volt (Bev) accelerator. It is anticipated that this study will lead to the future submission of a proposal to build such a machine in the Midwest.

Both electrostatic and circular accelerators utilize charged particles and accelerate them by means of an electrical field. Both have commanded the time and energy of hundreds of scientists from dozens of countries for over three decades. Both are used for the same end: to investigate fundamental particles of matter and the laws governing their behavior.

There are, however, some important differences between the two types of accelerators. The electrostatic machines have lagged far behind the circular models in equivalent voltage. Fewer particles are accelerated from an electrostatic generator in a given time period and they have lower speeds than those from a large cyclotron.

Electrostatic generators, however, have a qualitative superiority over the cyclotron in one important characteristic—accuracy of control. The voltage of this machine can be accurately set to a given value, and particles accelerated by this machine all have very nearly the same velocity. The particle beam is therefore more sharply defined than that of the cyclotron. Because of its superiority for precise measurements, the electrostatic generator is a very valuable complement to its more powerful rival, the cyclotron.

With these machines, physicists at Wisconsin and elsewhere may discover more of the physical laws governing atomic nuclei. One of the physicists' chief goals is to work out a generalized mathematical statement of the intra- and internuclear forces which can account for and predict all experimental results.

When they finally arrive at this knowledge, another frontier of the unknown will have fallen before hunters whose "guns" shoot invisible particles of matter at incomprehensible speeds.

Giving

A NEW ATTITUDE toward disabled students and what they can do in the gym is developing on the Madison campus.

Physical education is a required course for all Wisconsin freshmen and an elective for upperclassmen. Students with physical handicaps are generally excused from these relatively strenuous classes.

This year, in an experimental "Adaptive Physical Education" class, 10 handicapped young people took part in a special physical fitness course developed by two Wisconsin faculty members. The students have atrophied limbs, caused by accident or disease, and other muscle or skeletal infirmities.

"These students come in with either temporary or permanent loss of muscle tone, or mass," said Dr. John M. Grindrod of the University Medical Center. "If they wished to, they could remain inactive the rest of their lives."

The exercises given the students include walking a treadmill, riding a stationary bicycle, and designated body movements. All have been worked out to fit individual student needs by Grindrod and Dr. Bruno Balke, University physiologist with whom he developed the course.

"We want to give the students something to live by," Dr. Grindrod explained. "The exercises increase their general physical fitness and also awaken their normal desire for physical activity."

Working with Drs. Grindrod and Balke in the course is Prof. Karl G. Stoedefalke, a specialist in physical fitness and the effects of exercise. All three agree that a big incentive to them is the boost in morale the special course gives to the students.

As one student, an upperclassman from northern Wisconsin with a leg injury, said: "Now I can stride without a limp, and my leg muscles feel stronger and more alive. This pro-

Strength to the Physically Handicapped

gram isn't easy, but it is something we can handle and we know each exercise is doing something to build us."

All 10 students in this year's course were volunteers. By next year Balke and Grindrod hope to have as many as 50 students in the class, girls as well as boys.

"These disabled students want to keep active," Dr. Balke said. "And there is pleasure in physical activity. The boys in good health who have to take physical education courses might laugh at this view, but they are in a different boat than the fellows we work with."

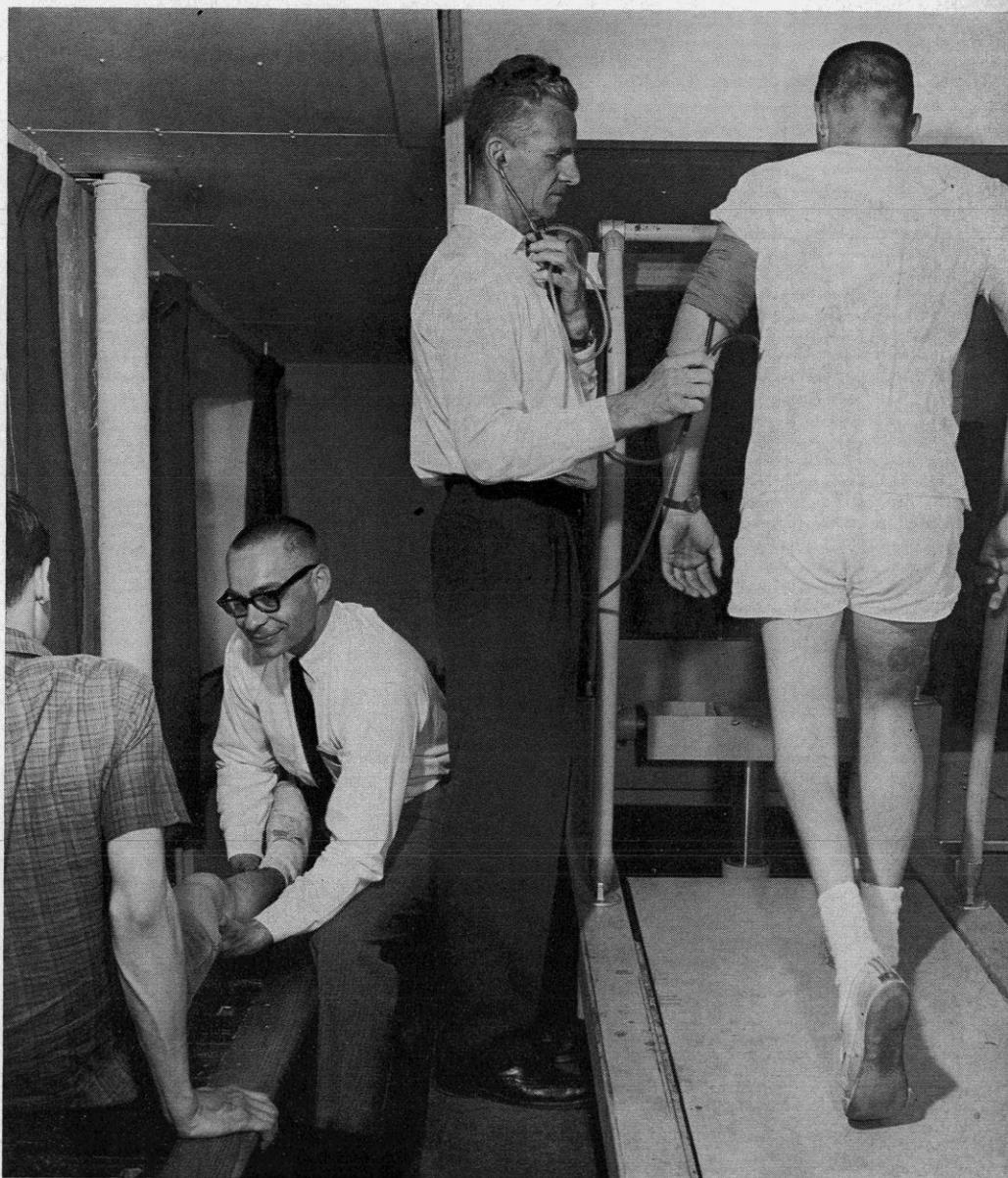
Dr. Grindrod said the goal of the program is to develop the abilities of the disabled students to the fullest extent possible under the existing or potential physical condition of their bodies. "We also hope to remedy certain conditions and compensate for the infirmities by optimal physical functioning and activities," he added.

Dr. Balke emphasized that this program is not new. "It's been done before in rehabilitation clinics for some time," he noted. "But not quite as we are handling it. This is an effort the men's physical education department at Wisconsin has had in mind for quite a few years."

Dr. Balke, who joined the Wisconsin faculty last year, holds degrees from the universities of Berlin and Leipzig. He is internationally known for his findings in the area of body stresses in sports activity. He is helping the U.S. Olympic Committee prepare athletes competing in 1968 in the high altitudes of Mexico City. He holds professorships in the departments of physiology and physical education.

A Wisconsin graduate, Dr. Grindrod is a clinical instructor in medicine. He also is on the staff of the University's Student Health Service.

August-September 1965



Two students taking part in the adaptive physical education classes are shown here—one receiving special leg exercises handled by Prof. Karl K. Stoedefalke (second from left), the other on the treadmill with Dr. Bruno Balke.

by Jack Burke

Outstanding Faculty Achieve Emeritus Status

ANNUAL RETIREMENTS again added another group of faculty members to that distinguished list of Wisconsin professors who have gained emeritus status. This year's retirees have served the University long and well during their careers.

Profiles of the new emeriti:

In the years that **Samuel T. Burns** was chairman of the School of Music at the University—from 1952 to 1964—the School grew from 23 faculty members and three teaching assistants to 40 faculty members and 30 teaching assistants. The physical plant overflowed from Music Hall down State Street and University Avenue into five annexes. Classes were held in 11 locations by 1963. Now, due to Prof. Burns' leadership, a splendid new building, planned to meet music needs for years to come, will soon be built across from Music Hall. During a career that has spanned 50 years in various parts of the country including Ohio, Louisiana, New York, and Indiana, Prof. Burns has spent most of his life "promoting music as an administrator." In his 12-year tenure as head of the UW School of Music, outstanding young artist-teachers were brought to the campus to teach and to perform throughout the state. A doctoral program in music was formally approved by the Graduate School, and previously existing barriers were eliminated to make it possible for hundreds of students from other schools and departments to enroll in courses and give them some understanding of serious music.

The lady who was known for 25

years as the University's "one-woman department of social work," **Helen I. Clarke**, is retiring from the faculty. When she was named an honorary life member of the Wisconsin Welfare Council in 1956 for her pioneer work in state social welfare, the citation declared that "nearly all of the important developments which have taken place in Wisconsin during the past 36 years have been influenced in some degree by Prof. Clarke." She was also praised highly for being an inspiring teacher to hundreds of students on the Madison campus "who remember her contributions and respect her." Reviewing her 45 years at the University, Prof. Clarke said that she was proud of her role in helping social work become a professional, public-accepted and recognized field and in helping to establish a recreation major course at the University. In the past 21 years, she has seen the social work department grow from a "one-woman" department to a two-school program with 16 full-time teachers at the School of Social Work at Madison and 19 at the School of Social Work at the UW-Milwaukee.

Dr. A. Campbell Garnett, a soft spoken, widely known philosopher, has concluded more than a quarter century of teaching at the University. He has taught classes in metaphysics, ethics, and the philosophy of religion with the underlying belief that religion has a vital part to play in the moral life of society and that the essentials of the Christian faith can be understood in a

way which meets both man's moral and intellectual needs. More than 75 published papers and reviews and 11 highly regarded full length works are the result of that conviction and the number will soon be increased when still another book, *The Perceptual Process*, is published by the UW Press. For several years, Prof. Garnett served as chairman of Wisconsin's religious activities committee. He was elected vice president of the American Philosophical Association, Western Division, for the year 1959-60 and served as president in 1960-61. He plans to begin his retirement by teaching at Texas Christian University.

Since 1933 to the time of her recent retirement, **Aline W. Hazard** was heard on WHA and affiliate radio stations as well as five commercial stations as the warm, friendly voice that broadcast news of the women's world to every corner of Wisconsin. Mrs. Hazard, assistant professor of agricultural journalism and radio education, became the voice of women's interests for WHA when she took over the daily Homemakers Program in 1934. She was a broadcaster on the first FM radio program aired by the State Network and helped launch their first television program. Under her direction, the Homemakers Program won the top national award given by the Institute for Education by Radio and Television in 1946. Mrs. Hazard was first listed in *Who's Who in American Women* in 1958. She is a member of the Wisconsin Home Economics Association, Altrusa, and Zeta Phi Eta, the national speech sorority.

A former World War I aviator turned Spanish professor and administrator is planning to spend his retirement in Spain working on a critical edition of a play written more than 450 years ago. **J. Homer Herriott**, professor of Spanish and



Burns



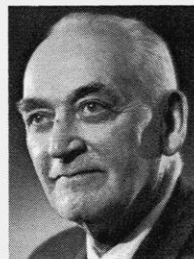
Clarke



Garnett



Hazard



Herriott



Koehler



Schenk

associate dean of the Graduate School for the past 18 years, is working on a series of books on the "Celestina," a 21-act play written by Fernando Rojas about 1497. Prof. Herriott has been at the University of Wisconsin since 1925. Through the years, he has been both an administrator and a teacher, serving as chairman of the department of Spanish and Portuguese from 1939 to 1942. During his long career, he has been elected to membership in many learned societies and named to several key University committees.

Dr. Frances E. Holford, associate professor of medical microbiology in the Medical School, began her teaching career in the fields of English and German. After several years of high school teaching, she returned to the University and received her Ph.D. in 1929. From her first course in medical microbiology, she had a deep interest in immunization. During World War II she received a Markle Foundation Scholarship in Tropical and Army medicine for malaria research in Florida. She is now "working on some 17th century scientific reports that seem to have some early information about immunology," and hopes to publish a book from her researches that will present the various historical sources of information that have led to our present day understanding of immunology.

A man who grew up with radio and who can be described as one of the fathers of Wisconsin's FM radio network has retired from the engineering faculty. He is **Glenn Koehler**, professor of electrical engineering, who joined the Wisconsin faculty in 1920 and rose through the professorial ranks to become a full professor in 1947. Over the years, he has also gained industrial experience by working part-time for the Wisconsin Telephone Company.

Koehler is called one of the fathers of Wisconsin's state FM radio network because he did the original layout of the system, including the location of the nine stations that now cover almost the entire state of Wisconsin with programs originating at radio station WHA on the Madison campus. Prof. Koehler is co-author of *Ultra-High Frequency Techniques* and author of *Circuits and Networks*, and has twice contributed the section on audio amplifiers to the *Radio Engineers Handbook*.

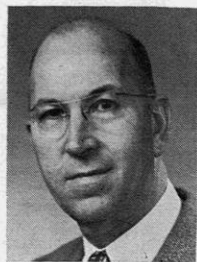
Prof. Walter Rowlands, a land use specialist, was responsible for promoting the establishment of the first three school forests in Wisconsin. Today there are more than 350 such forests in the state. Prof. Rowlands, as a College of Agriculture administrator, also lifted branch agricultural experiment stations around the state out of the doldrums by fighting for improved facilities and getting them. He has written a number of publications on land use planning, many of them classics in the field. In recent years, he has worked as a consulting expert on a series of colored movie films on land use planning in Wisconsin which have attracted national attention. He was arguing for preserving the beauty of the landscape well ahead of national efforts in this field. In 1963, the Wisconsin Council of Agriculture cited him as "America's pioneer in land use planning."

The former director of the Library School and a member of the Wisconsin faculty for 20 years, **Rachel K. Schenk**, has concluded her outstanding career at the University. Miss Schenk was director of the Library School for 13 years and was responsible for the changeover in Wisconsin library science from a curriculum leading to a bachelor's degree to a program leading to the master's. It was during her administration of the school that Wisconsin's master's program was accredited by the American Library Association. She has taught classes in administration and cataloging and classification, but her most beloved course, "something students remember for years," is History of Books and Libraries. The Wisconsin Library As-

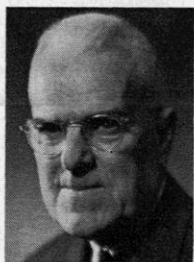
sociation gave special recognition to the Schenk contribution in 1960 when the Association's first Citation of Merit was awarded to the Wisconsin educator.

Louis C. Thomsen, a nationally recognized authority on butter manufacture and dairy plant operations, has retired from the department of dairy and food industries. Thomsen, who joined the faculty in 1919 as a member of the dairy husbandry department, is well known to many workers in Wisconsin's dairy industry as both a teacher and plant design specialist. He taught a course in creamery operations and management that attracted hundreds of students from throughout the state and the country. In later years, he instructed a dairy and foods engineering course and a special winter dairy course for dairy plant workers. Many of his former students now manage or operate dairy plants around the country. For his outstanding teaching record, Thomsen received the American Dairy Science Association and Milk Industries Foundation Teaching Award in 1961.

A man who has crowded mathematics, railroads, and hydraulic engineering plus a lot of teaching and travel into his life is retiring from the faculty. He is **James G. Woodburn**, professor of hydraulic engineering in the University's College of Engineering since 1937. Originally trained in mathematics, Prof. Woodburn combined an interest in railroads and civil engineering to work for three different railroads, the Indiana Highway Bridge Department, and the U. S. Forest Products Laboratory, and then to go on to the State College of Washington where he served as an instructor in civil engineering before coming to Wisconsin. He is co-author of a basic volume on *Hydraulics* which is used in engineering colleges throughout the nation and abroad, and author of the section on hydraulics and pumping in the three-volume *American Civil Engineering Practice*. In 1953, he was awarded a Distinguished Alumnus Citation by the University of Michigan.



Thomsen



Woodburn

University Artists Contribute to

A Boom in the Visual Arts

by Vivien Hone

THE CURRENT boom in the visual arts is apparent at the University of Wisconsin as elsewhere.

All across the nation there are unmistakable signs of the cultural explosion: in the increase of museums, the crowds flocking to the galleries; in the mounting millions of Sunday painters, and the mounting numbers of individuals dedicating their lives to art.

"In our society, the antidote for science is the arts," says Prof. Gibson Byrd of the UW department of art and art education.

"The things about science that concern most of us are the blandness of existence in a science community, the repetitiveness of our lives, and the general lack of individuality. In order to keep our sanity, we call upon artists to intensify experience, give us uniqueness, and remind us that we are individuals, capable of choice and decision."

Well aware of its responsibility in meeting this new interest in the arts is Wisconsin's department of art and art education in Madison. The department now has 43 full and part-time artist-teachers and offers 72 courses in painting, ceramics, sculpture, metal work, and textiles. More than 300 students, about 60 per cent of them undergraduates, are working in the department.

"We have from the very beginning conceived of our program basically as an undergraduate one," says Prof. Harvey Littleton, art and art education department chairman.



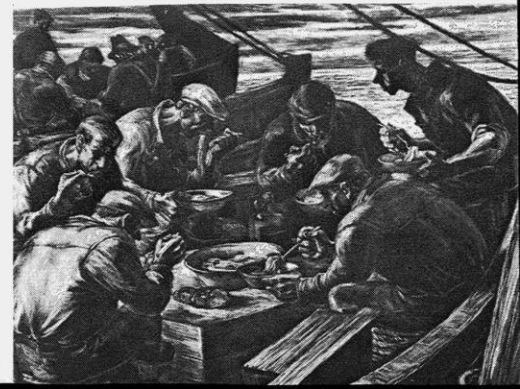
The special nature of art makes student opportunities for informal learning sessions with teachers an everyday occurrence at the University. Here Shari Urquhart, Kenosha, graduate student in painting, examines the qualities of a canvas with Artist-Prof. Santos Zingale.

These prints by contemporary Wisconsin artists are a gift to the University from the Class of 1964. The prints, which will be housed in the soon-to-be-built Elvehjem Art Center, are: "Christmas with Ziggy" by Warrington Cole-scott, "Big Daddy" by Raymond Gloeckler, and "Supper on the Boat" by Robert von Neumann.



In the past 20 years Wisconsin has climbed to a position among the leaders of the Big Ten in the quality and quantity of its art courses. This high rank was reached in part because of the demands for art education, especially studio art, made by returning World War II GIs.

To satisfy these demands, colleges and universities began a hunt for talented additional faculty. Result: many professional artists abandoned the staffs of art schools to affiliate with campus departments.



Close person-to-person relationships between students and many of these top artists wooed to the Madison campus is an everyday occurrence for both undergraduate and graduate in the Wisconsin program, Byrd pointed out. The special nature of art encourages these informal, rewarding student-faculty ties.

Wisconsin's art program prepares both the student who will center his life on studio creativity and the young man and woman who chooses to teach the ways of art to others. Contrary to many of America's art training centers, the University makes no great and artificial distinction between the art and art education major, Prof. Frederick M. Logan emphasized. Each is required, first and foremost, to show competence as an artist.

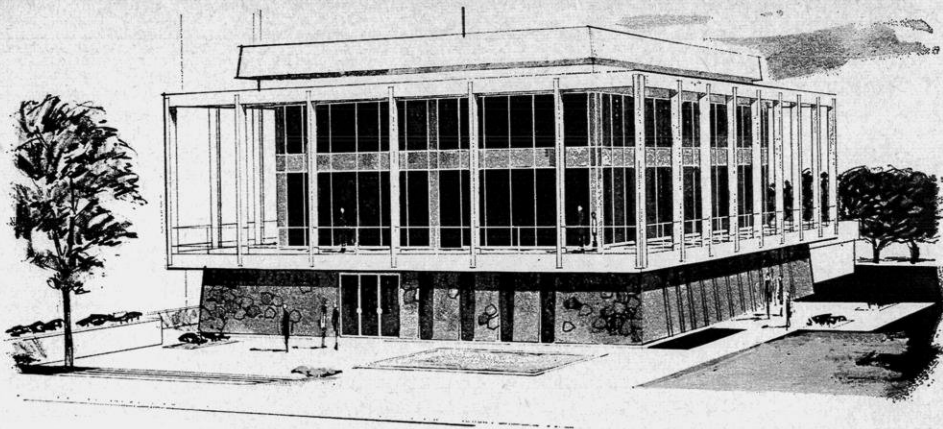
"We have contributed a large share of the best trained art teachers in the state," Gibson Byrd said. "We now graduate between 25 and 30 art education majors a year. Most of them will teach in Wisconsin elementary and secondary schools—at least for awhile."

And teachers with Wisconsin graduate degrees in art are on the staffs of many Wisconsin state universities, University Extension Centers, and private Badger institutions, as well as major colleges across the nation.

Prof. Byrd pointed out that the Wisconsin influence in art spreads across the state and nation by many other routes. Several times a year a number of top art faculty members leave the campus for series of Extension lectures before community groups. All of the art faculty members show their creations at exhibitions in Wisconsin and throughout the world.

"These shows are as important as anything we do or say," Prof. Byrd said.

In a very real sense this is true, for the increased end products of creativity—the canvasses, the prints, the sculpture, the pots—and their impact on a sensitive audience—are what the ferment in the visual arts is all about.



Alumni House Report

ALTHOUGH FINANCIAL problems have again beset the long-delayed Alumni House project, its realization is closer than at any previous time.

Following a circuitous and often discouraging route, plans for the structure have met many time-consuming, and usually unavoidable, stumbling blocks. As things now stand, and if all goes well, groundbreaking ceremonies will be held on October 23, 1965, Homecoming weekend. The final answer rests with alumni response to a forthcoming appeal for additional funds to meet increased construction costs.

The most recent in a series of setbacks occurred in February of this year when it was found that bids for the construction averaged \$300,000 more than the budgeted and available funds. This disquieting news came at a time when prospects for an early construction start had seemed particularly good.

Renewing their determination, planners and Alumni Association officers dug in and set about formulating a possible solution. It was immediately decided that no changes in basic design or quality would be made, but that certain plan revisions could bring the cost down by as much as \$100,000.

A second policy decision agreed upon involved the solicitation of alumni support to provide the \$200,000 still needed to meet the cost. This campaign will be initiated this month with a general mailing to 100,000 alumni throughout the country.

The original scheme for the Alumni House was begun in 1958, and it involved remodeling the old Washburn Observatory near Elizabeth Waters Hall. The campaign fund mounted to \$250,000. Later, this site was discarded in favor of one in the fast-developing Lower Campus area. The project was also combined at that time with plans for the Wisconsin Center addition.

Extended negotiations enabled the University of Wisconsin Foundation to purchase a suitable building site at the foot of Lake Street, adjacent to the Wisconsin Center. Further delay was necessitated to afford the previous owner an opportunity to relocate.

Additional problems were encountered in plan revision and coordination, due to the complexity of the over-all Lower Campus development. Thus, the project, still in the preliminary stages, bogged down during late 1963 and early 1964. In January 1965, however, the final plans were approved by the Board of Regents and bids were asked for. It was then that the project came to its latest and most crucial test.

The new campaign is designed to insure that construction will move ahead without delay this fall. The building will house the administrative offices of the Wisconsin Alumni Association, and spacious lounges and meeting rooms will provide convenient and comfortable gathering places for returning alumni. The third floor will include additional seminar and conference facilities for the Wisconsin Center.

“It Should be an Interesting Year”

AUTUMN is a fascinating time of the year. Leaves cover the ground, and footballs fill the air. It is this later phenomenon that elicits the greatest attention from the nation's sports fans.

Autumn is also the time that a football coach's digestive juices become overly stimulated and that ulcer that has been placated through the summer months suddenly kicks up again. And autumn is the time that the annual process of separating the men from the boys begins on football fields throughout the country. Now, all the reams of pre-season copy that has been filed by sportswriters suddenly becomes meaningless as conjecture is translated into reality and the moment of truth has arrived.

Before this football season is fully underway, we, too, would like to indulge in a bit of conjecture as we look at the 1965 Wisconsin football team. Two months from now, we would certainly write a different story because this year's team will have been blooded, the pattern of the season will have been well established.

At this juncture, however, we can only “prognosticate,” as they say in the sports columns.

Badger coach Milt Bruhn and his staff are quite frank when they discuss the potential of this year's team—don't look for anything spectacular, they say. This Badger bail club is a young team, and young teams make mistakes. But they are

also eager, and often restless and destructively aggressive.

The main problem faced by the Badger coaching staff is building an offense. Only two starters return from the 1964 offensive lineup—tackle Mike Sachen and guard Chuck Currier. That means virtually an entire new line and backfield must be trotted out for the coming season. The offensive line will need considerable reshaping, but there seems to be a promising nucleus available for service in the backfield. Sophomore Chuck Burt, who missed last season due to a siege of mononucleosis, has the inside track at quarterback. Burt demonstrated that he could move the team well in the annual intersquad game this spring, but he has yet to see any game action. Halfbacks Tom Jankowski and Jerry Hackbart have shown strength at the running back spot while junior fullback Kim Wood has demonstrated power at his position. Sophomore Dennis Lager impressed the coaches with his performance at wingback in the spring game and, teamed with veteran ends Louis Jung and Joel Jensen along with sophomore John Tietz, should help the Badgers mount a passing threat.

The defensive picture is not as equivocal. The Badgers have some seasoned performers on hand who can provide the makings of a stubborn defensive unit. Senior tackle Mike London has been described by his coaches as potentially one of the

finest football players in the country. Other veterans back to man the front line are: guards Bill Maselter and Phil Sobocinski, and ends Roger Alberts and Eric Rice. Linebackers Bob Richter and Tom Brigham will provide seasoned play and aggressive spirit while team captain Dave Fronek adds stability to an experienced defensive backfield that includes Gary Pinnow and Jim Grudzinski.

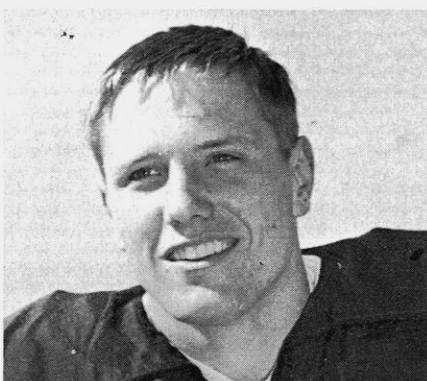
The main problem facing the Badgers of 1965 is not exclusively one of inexperience, but also one of an unbelievably rugged schedule. Some of the titans on this year's schedule are: Southern California, the only team to beat Notre Dame last year; Nebraska, runners-up in the Cotton Bowl who have an even better team this year; Rose Bowl champion Michigan; and the Badgers' perennial nemesis, Ohio State.

Wisconsin opens its expanded ten game schedule at home on Sept. 18 against Big Eight opponent, Colorado; next they entertain Southern California and Iowa on successive Saturdays. On Oct. 9, the Badgers travel to Lincoln where they will play Nebraska and the following week move down to Evanston, Ill. to confront Northwestern. Ohio State comes to Madison on Oct. 23 to play the Badgers at Homecoming, and the next two games are away—at Michigan on Oct. 30 and at Purdue on Nov. 6. Illinois is the Badgers' final home opponent on Nov. 13, and the season will conclude at Min-

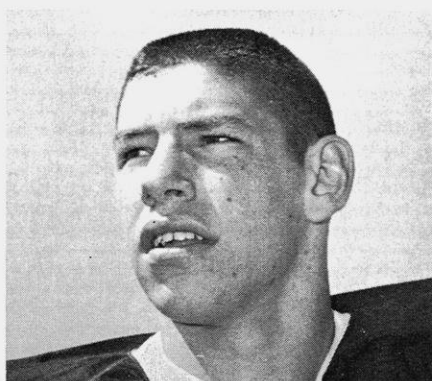
Dave Fronek



Chuck Burt



Mike London



nesota a week later.

The usual approach to making a forecast about a team that is young and inexperienced, such as the 1965 Badgers, is to be somewhat vague while maintaining a certain air of optimism. "It should be an interesting year," is the general comment applicable to the situation.

It should be.

Football Fans Can Attend Away Game Luncheons

BADGER FOOTBALL fans traveling to away games will have a chance to meet with their fellow Wisconsin rooters at special football game events sponsored by the Alumni Association in cooperation with the University, and local alumni clubs.

Prior to the Nebraska game (October 9) a luncheon will be held in the Student Union, just four blocks from the Cornhusker's stadium. The Chicago Alumni Club will be promoting a special Wisconsin get-together following the Northwestern game in Evanston on October 16. Before the Michigan game at Ann Arbor (October 30), the Detroit Alumni Club is planning an event.

When the Badgers travel to Purdue on November 6, there will be a pre-game luncheon at the Congress Inn Motel, located just one mile north of the Ross-Ade Stadium. The Minnesota game weekend (November 20) will feature two alumni events: Friday night the Minneapolis Club will sponsor a smoker, possibly at the Curtis Hotel where the Wisconsin team will be quartered, and Saturday noon the St. Paul Club will sponsor a luncheon in the Coffman Memorial Student Union on the Minnesota campus.

Invitations and reservation blanks for these events will be sent to alumni clubs and Association members in the geographic area of the city where the away game is being played. Other alumni interested in attending any one of these events should write directly to the Association office. All reservations must be made in advance.

Doubleday Badgers

PATTERNS—abstract or concrete—are an endlessly fascinating aspect of our modern world. In the realm of writing and publishing, a significant pattern, as far as the University of Wisconsin is concerned, seems to be established at Doubleday and Co., Inc., the New York publishing firm.

In the past couple of years, Doubleday has published several books on a wide variety of subjects by Wisconsin alumni authors. This impressive list of books and their authors includes:

Jerry Allen '30, the author of *The Sea Years of Joseph Conrad*, to be published in October. The book is a completely documented history of the twenty years (1874-1894) that Conrad spent at sea and of the experiences he drew upon for his work.

In her career, Miss Allen has had many seafaring experiences paralleling those of Conrad. As she explains it: "In my news jobs as a reporter, editor, and broadcaster, I worked out of London, Paris, New York,

Washington, D. C., my assignments taking me around and about on three continents. On freighters I have crossed the Atlantic, sailed down the Pacific, over the Caribbean and Irish seas. Some were stormy voyages, one brought near-disaster at sea. Many of the places made known to Conrad through his seafaring I've also known—which has given me background knowledge for this book—while newspaper work taught me that prime essential for a biographer, the methods and needed care of research."

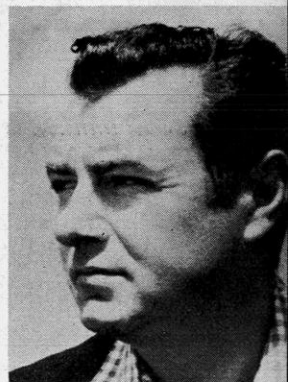
Kenneth S. Davis, who earned his Master of Science degree at the University in 1935, is the author of the current *Experience of War*, a part of Doubleday's Mainstream of America series. An alternate Book-of-the-Month Club selection, this is a single-volume treatment of the American participation in World War II. In an absorbing, fast-moving narrative style that combines hard fact with interpretive analysis, Mr. Davis has woven every strand of



Davis



Hahn



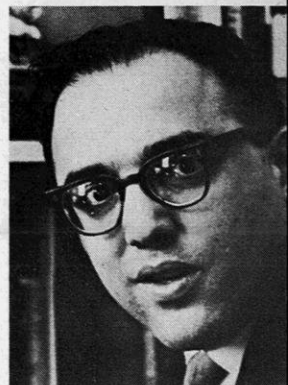
Kubly



McCaffery



Mezvisky



Waskow

America's commitment to the winning of World War II into a fascinating story. A writer of novels and non-fiction, Davis is also the author of biographies of such contemporary figures as Dwight D. Eisenhower (*Soldier of Democracy*), Adlai E. Stevenson (*A Prophet in his Own Country*), and Charles A. Lindbergh (*The Hero*).

The Complete Short Stories of Stephen Crane have been edited by **Thomas A. Gullason '49**. An associate professor of English at the University of Rhode Island, Gullason is considered a leading critic of Crane, Conrad, and Twain. Dozens of his articles and reviews have appeared in the *New York Times*, *The American Quarterly*, *Modern Fiction Studies*, and numerous scholarly journals.

Emily Hahn '26 has written several books for Doubleday which have received wide readership. Her latest book, *China Only Yesterday: 1850-1950*, is a part of the Mainstream of the Modern World series. Many of her other books—including such varied examples as: *The Soong Sisters*, *Diamond*, *China to Me*, *Kissing Cousins*, and *Love Conquers Nothing*—are an interesting amalgam of biography, journalism, and history. Miss Hahn, who returned to the Madison campus for a brief stay last fall (see November, 1964 *Alumnus*), is a regular contributor to the *New Yorker* magazine.

The Old World and the New are the subject of *At Large*, a book of travel observations by **Herbert Kubly '37**. A native of New Glarus, Wisconsin, Herb Kubly has published several books since winning the National Book Award in 1955 for his *An American in Italy*. He is the author of a recent novel about campus life entitled *The Whistling Zone*.

The American Dream: A Half-Century View from American Magazine is a compilation of memorable writings from the once highly influential *American Magazine* edited by **John K. M. McCaffery '36**. An editor, author, and television personality, Mr. McCaffery is familiar to many as the master of ceremonies of such radio and television programs as

"Author Meets Critics," "The Nation's Future," "Alumni Fun," and "The Eleven O'Clock News."

Shirley Shapiro Mezvinsky '57 is the author of the recent novel, *The Edge*. This tightly written book is an unsparing close-up of a young woman who can't cope with the compromises of marriage and motherhood—her situation is a nightmare of self-questioning and self-doubt that might possibly be an example of what happens to a lot of women's daydreams.

A former legislative assistant to Wisconsin Congressman Robert Kastenmeier has written a book for Doubleday on US defense and foreign policy. The book, *The Limits*

of Defense, is by **Arthur I. Waskow '56** and briefly summarizes the strategies that have influenced recent American (and Russian) policy formulations. Mr. Waskow is currently working on another book, *The Race Riots of 1919*, scheduled for publication next year.

The often delicate topic of growing up is the subject of a new book, *Way to Womanhood*, by **Dr. W. W. Bauer '15** and Florence Marvyn Bauer. Designed as a companion to the Bauer's *Moving into Manhood*, this book is a common sense guide to sex education and the many problems associated with growing up by a noted doctor and his wife.

Badger Bookshelf

TONOGRAPHY AND THE GLAUCOMAS by **Dr. Lawrence L. Garner '32**, *Thomas Books, Springfield, Ill.* (\$23.50)

Here for the first time is a text of complete procedural detail to assist the ophthalmologist in the organization and operation of a tonographic laboratory for either office or glaucoma center. The book is a clear, concise and detailed description of every technical and clinical phase of tonography.

THE MYSTERIOUS FATHER by **William Bulloch Maxwell**, edited with an introduction by **Gerald Kahan '47**, *University of Georgia Press, Athens, Ga.* (\$2.50)

It is the purpose of this edition to make available to the general reading public a dramatic document that has suffered neglect and oblivion because of its rarity. *The Mysterious Father* is the first play written and published in the state of Georgia by a native playwright, the only known copy of which is in the University of Georgia Libraries Rare Book Collection.

THE CROWNS OF APOLLO: A Study in Victorian Criticism and Aesthetics by **Robert L. Peters '48**,

Wayne State University Press, Detroit, Mich. (\$2.50)

A closely organized, detailed study of Algernon Charles Swinburne's system of aesthetics and an evaluation of his principles of literature and art, this book explores and clarifies a much neglected area of Victorian studies, restoring Swinburne to his deserved place in the history of criticism. Prof. Peters outlines Swinburne's critical framework and, using his background, presents specific aspects of his theories.

A FURROW DEEP AND TRUE by **Ethel Sabin Smith '08**, *W. W. Norton & Co. Inc., New York* (\$3.95)

Mrs. Smith has written a warm and affectionate memoir of her childhood on a Wisconsin farm during the last decades of the nineteenth century. She was an active, imaginative little girl, and hers was a world of fields and farmhouses, white clapboard churches and one-room country schools. That world was only as wide as a buggy ride, and its special pleasures were Chautauqua lectures and Decoration Day parades. Looking back over the years, Mrs. Smith has added a nostalgic footnote to our understanding of America's past.

ANNIVERSARY by Elizabeth Corbett '10, *Appleton Century, New York* (\$4.50)

This novel, the story of Gilbert and Hester Graham, is told in the framework of a series of wedding anniversary celebrations through the years. In *Anniversary*, Elizabeth Corbett celebrates an American marriage as she blends the events of everyday lives with her own special skill and magic.

THE CONTINUING CITY by Elizabeth Corbett '10, *Appleton Century, New York* (\$4.95)

This is the story of Gwen Seely who, after a happy marriage that is ended by the death of her husband, finds a new life in the development of a career.

THE POLITICS OF WAGE-PRICE DECISIONS by Murray Edelman and Robben W. Fleming '41, *University of Illinois Press, Urbana, Ill.* (\$6.75)

Here is a multi-aceted analysis of the way in which four European countries—Italy, Germany, Great Britain, and the Netherlands—have attempted to exert a restraining influence on price and wage levels since World War II. It includes a comparison with the United States that throws light upon current American wage-price decisions and policies. The result is at once a history with pragmatic lessons for management, labor, and government, and a contribution to political and economic theory.

Books by Wisconsin Faculty

GLACIERS AND THE ICE AGE: *Earth and Its Inhabitants During the Pleistocene* by Prof. Gwen Schultz, *Holt, Rinehart & Winston, New York* (\$2.50)

The extraordinary drama of earth and its inhabitants during the Pleistocene Ice Age is presented as a gripping story, full of mystery, surprise, and astounding facts. Combining the functions of a geologist writing about the glacial epoch with those of an anthropologist discussing the evolution of man, Prof. Schultz

illuminates the total picture of the earth and its inhabitants at this time.

FRENCH WIT AND WISDOM: *A Look at Life by Great French Writers, collected and translated by Prof. Joseph Palmeri.*

This book is a collection of about 650 thoughts—mostly maxims and aphorisms—from great or noted French writers of all times on a multitude of subjects, from social problems to individual behavior. Each quotation is an independent unit expressing a universal idea, a psychological thought, a flash of wit, or an interesting comment on men, women, life, love, money, lib-

erty, government, politics, education, the arts, etc.

FULL EMPLOYMENT OR STAGNATION? by Prof. J. M. Culbertson, *McGraw-Hill Book Co., New York* (\$5.95).

The author stresses throughout this book that only through the efforts of an informed and awakened public will modern economic thought influence government policy. His analysis of the causes of United States economic slack serves as the focal point for an animated discussion of the thinking underlying United States economic policy, the actions that were taken—and the errors that were made.

Alumni News

Up to 1900

Dr. Spencer D. Beebe '93, still practicing medicine at Sparta, has had the highest award of the State Medical Society bestowed upon him. He received the council award in ceremonies at the home of his son, Dr. Dewitt C. Beebe, in Sparta in June.

1901-1910

Walter H. Bender '01, who declined to again seek the presidency of the Milwaukee County Park Commission, has been named to the post of president emeritus. No other member in commission history has matched his 17 years as president.

Dr. Ira B. Cross '05 was recently honored on the University of California Berkeley campus when a seminar room in Barrows Hall was dedicated in his honor. Dr. Cross retired in 1951 after teaching economics for 37 years to more than 50,000 Berkeley students.

1911-1920

Former Wisconsin Supreme Court Chief Justice Timothy Brown '11, Madison, was one of five distinguished citizens to receive honorary degrees at graduation exercises in June at St. Norbert College, DePere.

Mr. and Mrs. George E. Frazer '12 celebrated their golden wedding anniversary June 9 at a dinner given by their sons at Sunset Ridge Country Club, Northfield, Ill. Frazer has been a senior partner in the accounting firm of Frazer and Torbet, Chicago and New York, and chairman of National Transitads, Inc.

L. J. Markwardt '12, Madison consulting engineer, received the fourth annual Walter C. Voss award presented by the American Society for Testing and Materials in June. He worked for U.S. Forest

Products Laboratory here from 1917 until he retired as assistant director in 1959.

Mr. and Mrs. Edwin Phillips Kohl '13, are living in San Francisco after his retirement two years ago from his law practice in New York City.

Robert J. Cunningham '16 is leaving the Janesville city attorney post this summer after more than 34 years. He will continue in his private practice.

Dr. Barry J. Anson '17 and his co-workers took part in the joint meeting of the Triological Society and the Section on Laryngology, Otology and Rhinology of the American Medical Association. The paper, entitled "Anatomic Considerations," introduced the Symposium on the Management of Meniere's Disease. Dr. Anson is research professor, College of Medicine, State University of Iowa.

Irene Newman '17, supervisor of school libraries for the Wisconsin State Department of Public Instruction, retired in June after 45 years of employment with the state.

Paul Schuster Taylor '17 received an honorary degree from University of California at June commencement held at Berkeley. A member of the faculty there since 1922, he also served as chairman of the Institute of International Studies. The labor economist has served as advisor to many governmental agencies at state and national levels.

Sam Ogle '20, executive secretary of the Wisconsin Retail Merchants Assn. and former WAA president, was recently featured in the *Wisconsin State Journal's* "Know Your Madisonian" column. The former manager for public affairs for Schuster's in Milwaukee from 1937 to 1960 now represents the members of the Retail Merchants Assn. before the legislature and oversees numerous training and improvement projects.

1921-1930

Albert H. Ganswindt '23 has retired as assistant professor of commerce at UW-Milwaukee after nearly 20 years of teaching at the extension center. He plans to continue operating his public accounting firm.

John A. Potts '23, Fox Point, retired in June as assistant vice president of Wisconsin Electric Power Co. following a career of 42 years.

Prof. Helen C. White '24 was the recipient of an honorary degree at Grinnell College, Iowa, at commencement exercises held in June at which she also gave the address, entitled "The Arts and Humanities Foundation."

Dr. Elwin G. Wood '24, professor of marketing in the University of Arizona College of Business and Public Administration, was awarded the Tucson Advertising Club's Silver Medal at the club's recent annual banquet.

Lyall T. Beggs '25, president of the State Bar of Wisconsin, received the Distinguished Alumni Service Award of the Alumni Assn. of Eau Claire State University recently.

D. J. Benedict '27, Madison's only full-time real estate appraiser and counselor, was recently featured in the *State Journal's* "Know Your Madsonian" column.

Keith W. Mellencamp '27, Shorewood, has been appointed director of university relations for the Pi Kappa Alpha fraternity, national collegiate organization. He is vice president of Winding Roofing Company of Milwaukee and serves the Milwaukee Roofing Contractors Association as its president.

S. A. Sylvester '27, president of State Bank of Mt. Horeb, was one of 11 Wisconsin banking officials who were guests of honor at the annual Wisconsin Bankers Assn.'s annual convention held in Milwaukee in June. At the convention, Mr. Sylvester was enrolled as a member of the 50-Year Club.

Harold W. Gerlach '30 has just completed serving a two-year term as mayor of Topeka, Kans. Lauded by the *Topeka State Journal* as a good administrator who "let the public know where he stood," Gerlach chose to return to engineering and real estate development.

Paul M. Herzog '30, New York, has been elected president of the Salzburg Seminar in American Studies.

Theo P. Otjen '30, Elm Grove, has been promoted from assistant secretary of Northwestern Mutual Life Insurance Co., Milwaukee, to associate secretary.

1931-1940

Richard W. Orton '31 was recently reappointed by Gov. Knowles to serve as judge over the Fifth Circuit Court, which is comprised of Crawford, Grant, Iowa, Lafayette, and Richland counties. This will be his third term on the Judicial Council.

John W. Lehman '32, regional director of the Cleveland Bureau of Labor Statistics, was recently elected secretary



Ernest R. Feidler '34 assumed the position of secretary, treasurer, and general counsel of the National Gallery of Art, Washington, D. C. on July 1. From 1954 to the present he has been administrator of the Gallery, in charge of personnel, security, and maintenance, operation and administration. While attending the UW Law School, he was editor-in-chief of the *Wisconsin Law Review*, receiving the Salmon Dalberg Prize and the Order of the Coif, graduating *cum laude* in 1934. He subsequently was a Sterling Fellow in Law at the Yale University Law School, 1934-35. From 1935 to 1943 Mr. Feidler served in the Department of the Treasury, rising to the highest professional grade, and leaving as assistant to the General Counsel. During W.W. II he held ranks of Lt. Commander and Commander in the U.S. Coast Guard, serving in the North African, European and American theaters. During the Korean War he held ranks of commander and captain in the U.S. Coast Guard, serving as aide to the secretary of the treasury. In 1961 Feidler was promoted to rear admiral in the Coast Guard Reserve, becoming the only flag officer in the Reserve, and the second in its history. He is the author of various articles in legal and military publications, and is a member of the bar of the District of Columbia and of the State of Wisconsin.

treasurer of the Cleveland Business Economists Club, local affiliate of the National Association of Business Economists.

Harold W. Alyea '35, director of engineering, Johnson Service Co., has been elected 1965-66 president of the Engineers and Scientists of Milwaukee, Inc.

Arthur M. Swanson '35, UW dairy and foods researcher, was recently named winner of the Borden award in dairy manufacturing at an awards program of the American Dairy Science Assn.

Lloyd J. Severson '36, Pittsburgh, Pa., returned to his home area in June to address the graduating seniors at Winona State College. He is presently director of international raw materials investiga-

tions for U. S. Steel Corp., seeking new mineral deposits that warrant development throughout the world.

Oliver F. Runde '36, Columbus, Ohio, is the newly elected president of the Federal Glass Company Division of the Federal Paper Board Company.

Harold H. Snyder '37 has been appointed assistant general manager of the Du Pont Company's Industrial and Biochemicals Dept. after having served as manager of the department's planning division for the past two years. He has been with Du Pont since 1945 and resides in Wilmington, Del.

Dr. William L. Henning '37, professor of animal industry at Pennsylvania State University, retired on July 1 with emeritus rank after completing 43 years on the faculty. He also served as Pennsylvania's secretary of agriculture, taking a leave of absence from Penn State during the eight years he held the post.

Henry B. Herman '37 was recently named by the UW Regents to be director of program for the Wisconsin Union and associate professor in social education. Herman has served as leader for the Society for Ethical Culture in New York City for the past 23 years and as administrator of the Board of Leaders since 1960.

Edward J. Wellauer '38, director of research and development of The Falk Corporation, Milwaukee, was awarded the Vocational Service Award from the Milwaukee Rotary Club at the Rotary Honors Convocation held in June.

Joseph W. Windhauser '39 has been appointed superintendent of marine operations at the Whiting, Ind. refinery of the American Oil Company.

Frederick H. Dohmen '39 is carrying on the 107-year-old wholesale drug business, started four generations ago in Milwaukee. Serving as president of the F. Dohmen Co., he is assisted by his cousin, **Erwin John Dohmen '50**, who supervises the professional end of the business.

Mrs. Paula A. Herzog '40 (Paula Dottie), McFarland, is director of student life, Wisconsin School for Girls.

1941-1945

Geraldine Mooney '41 has been elected secretary of Madison National Life Insurance Co. of Wisconsin, Inc. She had previously been an associate actuary in the firm.

William C. Bloch '41, engineer with General Electric Co., Fort Wayne, Ind., was named Citizen of the Day on May 20 by Fort Wayne Radio Station WANE. He is presently serving the second term as president of the Community Betterment Council of Allen County, a group of delegates representing over 80 community associations in the county. He was also recently promoted to the rank of colonel in the USAR.

Jordan L. Paust '41, member of the Wisconsin and California Bar Associations and professor of law at Los Angeles City College, has been appointed chairman of the

law department and chairman of the police science department at City College, where he has taught for over 17 years. He has been president of the UW Alumni Assn. of San Fernando Valley and maintains a private practice in Encino, Calif.

Dr. Harry Cohen '41 has been promoted from associate to full professor of chemistry at Roosevelt University, Chicago.

Bernard S. Klayf '42 has been appointed vice president of Federated Department Stores, Inc. with headquarters in Cincinnati.

Mrs. Jean C. Peckham '42 (Jean Col-lord) is a clinical laboratory technologist at Friendly Hills Laboratory, Whittier, Calif.

Warren Winton '42, Shell Lake, former district attorney of Washburn County, was recently appointed Washburn County judge by Gov. Knowles, succeeding his father in the court post.

John T. Collentine '43, who has been director of research and analysis with Northwestern Mutual Life Insurance Co.'s Claire A. Thomas general agency in Madison since 1959, has been named superintendent of advanced underwriting at the Milwaukee home office.

James S. Entringer '44 has been appointed director of manufacturing and manufacturing services of the A. O. Smith Corp.'s tubular products division in Milwaukee. Having joined the firm in 1951, Entringer had been director of research and engineering for the consumer products group since 1962.

Mrs. Gerald Minne '44 (Betty Ann Walker) was awarded an M.A. degree in education from Washington University, St. Louis, Mo. in June.

R. R. Rohde '45 has been appointed to the position of assistant superintendent of Crete Monee District 201 U, which is in the south suburban Chicago area, enrolling about 4,000 students. He served as principal of Hubbard Trail Junior High School during the past year.

1946-1950

Doris Staidl '46, Brown County consumer marketing agent since 1957, is resigning her position to enroll in the UW graduate school for advanced study leading to a doctorate in adult education.

Raymond J. Meisekothan '47 married Mildred Bernadine Falkowski on July 3. The couple will reside in Milwaukee, where Mr. Meisekothan is a chemist.

Howard T. Lynch '47, treasurer of the State Capitol Employees Credit Union, was recently reelected president of the Madison Chapter of Credit Unions.

Frank Wing '47, commodity director of the Wisconsin Farm Bureau Federation, also directs the activities of the Farm Bureau Trade Center in Rotterdam, Holland as they relate to Wisconsin. Last year Wisconsin headed the list of states in the amount of U.S. farm goods sold overseas through this special farm export service.

Roger Perry '48 was honored as the "outstanding alumnus of the year" at the annual Waterloo High School Alumni

reception held in late May. Mr. Perry is president of Waterloo's Perry Printing Co.

Lyndon A. Brooks '48 has been elected secretary-treasurer of the Wisconsin Section of the American Society of Agricultural Engineers.

Mr. and Mrs. Allan Potts '48 recently moved from Antigo to Madison where Mr. Potts is employed with the Wisconsin State Employment Service.

Raymond H. Rusch '48 has been named a vice-president and director of the marketing division of First Wisconsin National Bank, Milwaukee.

Peter J. Thomsen '48 was appointed general manager of the Jefferson County Farmco Cooperative at a recent board of directors' meeting. He has worked with the Cooperative for the past 12 years and resides in Jefferson.

Dr. Lindon E. Saline '48, formerly manager-engineering for the Apollo support department of General Electric at Daytona Beach, has accepted a position as consultant—new business planning with GE's Engineering Administrative Consulting Services, Schenectady, N. Y.

Robert C. Kurtzheim '49, office manager of Decker Manufacturing Co., Janesville, has been named president of the Janesville Taxpayers League.

Bruce Thomas '49, Madison, has been named president of Continental Mortgage Insurance, Inc. He has been a partner in the law firm of Arthur, Tomlinson and Thomas since 1957.

Dr. V. E. Herzfeld '49, previously director of engineering for the data processing division of the Sperry Rand Corporation's UNIVAC Division, St. Paul, has been promoted to the new post of vice president of engineering for the division.

Dr. Orville Marshall Winsand '49 has been appointed assistant head of the department of painting, design and sculpture in the College of Fine Arts at Carnegie Tech, Pittsburgh, Pa. He has been an associate professor in art education since 1961.

Dr. Paul A. Binney '49, after completing his doctorate in educational psychology and special education at the University of Iowa, has been appointed to serve as assistant zone director in charge of retardation services at Galesburg State Research Hospital, Galesburg, Ill.

Robert Allen Spicuzza '50, teacher at Washington High School, Milwaukee, married Marianne Margaret Jansen of Shorewood on June 27.

1951-1955

Lillard W. Culver '51, specialist in the secretarial department of Northwestern Mutual Life Insurance Co., Milwaukee, has been promoted to assistant secretary.

Dr. Hollis G. Schoepke '51 has been named manager of pharmacology at Abbott Laboratories, North Chicago. Dr. Schoepke, his wife, and two children reside in Waukegan.

Arthur J. Gilmaster '51 has joined Teas Insurance, Wisconsin Rapids, as an as-

sociate. He has been Indiana state manager for the Home Mutual Insurance Co.

The Rev. Erwin J. Van Handel '51 is the new pastor at St. Joseph's Catholic Church, Fort Atkinson. He was pastor of St. Mary's parish, Mineral Point, for the past three years and prior to that time had served as director of the Catholic Welfare Bureau of the Madison diocese for 15 years.

Richard N. Hay '51 took office July 1 as president of the Rotary Club of Mitchell Field, which serves Southern Milwaukee County. Hay is city engineer of Oak Creek.

Edward L. Hergenrother '51 has been named project manager for the new \$15-million Dow Corning silicones plant to be built in Carrollton, Ky. He has been with Dow Corning since 1951.

Dr. Joan Johnson '51 of Alhambra, assistant professor of physical education since 1955 at California State College at Los Angeles, has been appointed associate professor.

Farnsley L. Peters '52 has resigned as manager of the Madison Chamber of Commerce's convention division to become manager of the Chamber of Commerce at Aurora, Ill.

Charles A. Berridge '53 has been named western district manager for General Electric Company's Silicone Products Department, headquartered in Downey, Calif. He has been in field sales in that district since 1961.

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Maj. Richard C. Bastian '53 has been awarded the Bronze Star Medal for exemplary performance of duty under extraordinarily difficult and hazardous conditions while serving with American forces in Vietnam from October 1962 until his return to the U.S. in September 1963. He is now chief of the Army Materiel Command Light Observation Helicopter Field Office with duty station at Headquarters U.S. Army Aviation Materiel Command, St. Louis, Mo.

George Simkowski '53, director of market development, Norge division of Borg-Warner Corp., has also been named director of merchandising for the Chicago-based firm.

Thomas Towell '53, vice president, Arthur Towell, Inc., of Madison, has been named chairman of the council of governors of the Advertising Federation of America at the organization's annual convention in Boston in early July.

Robert M. Rennick '54 has been appointed assistant professor of sociology at Central Michigan University and will teach courses in juvenile delinquency, family, and urban sociology.

David Roger Fosshage '55 recently married Carol Virginia Berle of Iowa City, Ia. The couple will reside in Madison. Mr. Fosshage is employed by the Wisconsin Cheeseman in nearby Sun Prairie.

Prof. Harry Mussman Jr. '55 received his fourth degree, doctor of veterinary medicine, cum laude, at commencement exercises of Kansas State University in June. He is a member of the veterinary medicine department there.

Charles F. Jovsanger '55 has been appointed development manager for Videne polyester laminating material for wood finishes for the Goodyear Tire & Rubber Company, Akron, Ohio. The Jovsanger family lives in Cuyahoga Falls.

Ross A. Allison '55, formerly of Ronald Mattox and Associates, has been named comptroller for Gardner Baking Co., Madison.

1956

Martha Coleman of Pittsburgh, Pa. received the M.S. degree in nursing from Washington University recently. She has started working toward a Ph.D. in pediatric nursing at the University of Pittsburgh.

Mrs. William Dries (Martha Gray) will serve as president of the Madison Panhellenic Alumnae Association during the coming year.

John J. Helble has been promoted by President Johnson to Class Four in the Foreign Service of the U.S. He is presently attending the University of Chicago on a fellowship from the National Institute of Public Affairs. Since entering the Foreign Service in 1956, he has served at the American Embassy in Saigon, Viet Nam, and the American Consulates in Hue, Viet Nam, and Puerto La Cruz, Venezuela.

Mr. and Mrs. Alan Chechik (Diane Craig '59) announce the birth of a second son, Joel Craig.

Esther Neumiller has been appointed to assistant professor in the College of Nursing, University of Portland.

James Preeshl, Onalaska, has been admitted as a partner in the La Crosse firm of Hawkins, Ash, Bappte & Co., certified public accountants.

Along with business partner and former grid teammate, Gino Marchetti, **Alan (The Horse) Ameche** is leading the Fred Coe Fellowship Fund to aid medical research in finding the cause and control of multiple sclerosis. The fund, named for a promising UW sophomore tackle cut down by the crippling disease in the prime of his scholastic and grid career and now a helpless invalid, is hoped to reach a minimum goal of \$15,000, calling especially on the sports world for support.

1957

Rodney G. Peterson has been awarded the M.S. degree by Lehigh University and is one of 29 Western Electric Company engineering-research personnel members to be granted the on-the-job degree. His new company assignment will be at Newark, N.J.

William A. Heins, an Eau Claire resident for 16 years and a member of the First Congregational Church United Church of Christ, was ordained in his home church on June 27. He was recently graduated from Yale Divinity School and has just begun his pastorate at the First Congregational Church UCC at Whiting, Iowa. He is married to the former Patricia Pscheidt.

1958

Capt. Gerald H. Tonnell recently graduated from the Air Force's Academic Instructor School as a "distinguished graduate." He is on the staff of the Officer Training School, Lackland AFB, Texas.

Bronson C. La Follette, Wisconsin attorney general, was recently appointed by President Johnson to the Consumer Advisory Council, a group designed to protect consumer interests. His wife is the former Lynn Godwin '59.

Henry F. Bohne has received a certificate in industrial relations from University of California at Los Angeles upon completion of a prescribed series of courses in the area of industrial relations. Bohne is personnel officer at the Federal Correctional Institution, Terminal Island, San Pedro, Calif.

1959

Kathleen Cummings is the new executive director of the Dane County Chapter, American Red Cross.

1960

Warren R. Foxwell received a M.S. degree in electrical engineering from Illinois Institute of Technology, Chicago, in June.

Jerrold C. Rodesch has been promoted by President Johnson to Class 6 in the Foreign Service. Since entering the Service in 1961 he has been stationed at the U. S. Consulate General in Montreal, Canada and is presently serving at the Consulate in Florence. His wife is the former Caroljean Kores.

Mrs. James C. Muir Jr. (Brenda Cangiano) obtained the LLB from Stanford Law School in August 1963 and passed the California Bar Examination in June 1964. She is currently employed in legal research at Stanford. Mr. and Mrs. Muir, married in April 1964, are parents of a son, born last December.

Wesley Falk has completed two years of work at the Evangelical Theological Seminary at Naperville, Ill. He will be serving as student minister at Memorial Community Church, Greenfield, until May 1966.

1961

Judy Corbeille is teaching in an English speaking school in Kobe, Japan, an opportunity which came to her while she was teaching in Denver, Colo. Having completed a year there, Judy plans to stay on for another year until her visa expires.

David E. Hasselhofer, a junior at Harvard University's Graduate School, undertaking studies in architecture, has been awarded a \$500 scholarship by The Ruberoid Co. for possessing outstanding architectural promise.

Peter S. Zouvas has been appointed a general agent in the Chicago Multiple Agencies for General American Life Insurance Company. The Zouvas family resides in Cicero.

Patricia Ann Potter has assumed duties as executive secretary of the American Council, Atlantic Association of Young Political Leaders with headquarters in Washington. Miss Potter has been on the staff of Senator Jack Mill (R Iowa) since the fall of 1962 and for the previous year was with a Washington political research firm.

John T. Jansen received a Master of Engineering degree in electrical engineering from Yale University at June commencement exercises. He is employed at Sikorsky Aircraft in Stratford, Conn. as a senior design engineer in the measurements section of the instrumentation department.

Lee A. Bernstein was recently appointed district attorney of Oneida County by Gov. Knowles. He has been a member of his father's law firm in Rhinelander.

1962

George E. Howe was recently promoted to first lieutenant in the U. S. Army. He is an assistant management officer at Ireland Army Hospital, Fort Knox, Ky.

Lloyd E. Passchl has become owner and operator of the Mueller Drug Store in Medford.

Mr. and Mrs. Frederick Goll Jr. (Marylyn Marsh) announce the birth of a son, Frederick Goll III.

1963

Ens. Ellis W. Dana reported for sea duty on July 21 aboard the USS Okinawa at Philadelphia.

James R. Mitchell, former member of the staff of the library and museum of the State Historical Society, has been named assistant curator of the Bennington, Vt. Museum. He studied under a two-year fellowship at Henry Francis du Pont Winterthur Museum, Wilmington, Del. before receiving the appointment.

Dr. John F. Bibby has been awarded a one-year fellowship to serve with the Republican National Committee in Washington, D. C. Dr. Bibby is a political scientist at Northern Illinois University, DeKalb, Ill.

Clarence Thomas is the new principal of the Winskill School, Lancaster.

1964

Mr. and Mrs. David L. Hofsteen (Dierdre Bainbridge) are living in Boston, Mass. where Mr. Hofsteen is a district salesman for the Research Products Corp.

Major Warren A. Williams is on temporary duty at Ramey AFB, Puerto Rico, in support of the Organization of American States' effort to restore peace in the Dominican Republic. The operations staff officer plays a vital support role in air-lift supply and refueling operations.

Barbara Zeller is working at the Illinois Children's Hospital and School as an occupational therapist.

Mrs. Richard A. Collins (Joan Krapfel) has joined the staff at Stephen and Brady advertising agency in Madison as public relations and publicity director.

2nd Lt. Ronald G. Anderson has been awarded U. S. Air Force silver pilot wings upon graduation from flying training school at Vance AFB, Okla.

Virginia Crownhart has been in affiliation in occupational therapy in Milwaukee, Minneapolis, Ann Arbor, Mich., and Portland, Ore.

Mrs. Joseph Meboe (Ellen Vetter) recently completed her dietetic internship at Milwaukee County Institutions. She will become a member of the American Dietetic Assn.

Ellen Brager graduated with honors in June from a one-year course at the Tobe-Coburn School for Fashion Careers, New York City.

2nd Lt. L. Richard Walterscheid was recently administered the oath of office for a regular commission in the U. S. Air Force at San Isidro, AB, Dominican Republic. Lt. Walterscheid previously held a USAF reserve commission as an OTS graduate. On temporary duty as a weather forecaster at San Isidro, Walterscheid is permanently assigned to an Air Weather Service unit at Hurlburt Field, Fla.

2nd Lt. David R. Olds has been graduated from the training course for U. S.

Air Force nuclear weapons officers at Lowry AFB, Colo.

Mr. and Mrs. Douglas R. Shackelton, Riverside, Calif., announce the birth of a daughter, born May 10. Shackelton is a city planner in Riverside.

After completing a nine-month affiliation in occupational therapy at Walter Reed General Hospital, Washington, D.C., 2nd Lt. Mary E. Robison, U.S. Army Medical Service Corps, reported for duty at Second General Hospital in Germany.

Thomas R. Brussat recently received the M.S. degree in mechanical engineering at California Institute of Technology, Pasadena.

Avert L. Eklov is an underwriter for Employers Mutual Insurance Co. in Kansas City.

2nd Lts. Robert J. Casey and James M. Kroyer have been awarded U.S. Air Force silver pilot wings upon graduation from flying training school at Laredo AFB, Tex.

2nd Lt. Robert K. Henderson has been graduated from the training course for U. S. Air Force communications officers at Keesler AFB, Miss.

Yvonne Hendrickson has accepted a position as psychiatric social worker at the Winnebago County Guidance Clinic at Neenah. For the past year she has been employed by the Barron Polk Guidance Clinic at Turtle Lake, Wis.

1965

Stan Andrews has been named head wrestling coach and assistant football coach at Wisconsin Heights High School near Mazomanie.

Joseph O. Heckl will be Neillsville High School's head football and wrestling coach in September.

Gerald A. Knutsen has joined Royal Typewriter Co., Inc. of Litton Industries as a typewriter sales representative at the company's Milwaukee office.

Newly Married

1956

Lynda Sue Nash and William Mead ROBICHAUD, Green Bay.

1958

Aloha Nodecker and Donald BODEAU, Los Angeles, Calif.

Carol Mary Schmitt and Duane Darrell EDWARDS, Kenosha.

Carolyn Ann Henderson and Melvin Paul WEISS, Kenosha.

Andrea Lou Morris and Werner Mann GRUHL, Atlanta, Ga.

Shirley Verlee Bockes and Le Roy Norman ZINGLER, Grundy Center, Ia.

1959

Linda Harness and Donald J. BERNIS, Columbus.

Peter Janke, now serving with the U.S. Air Force in Japan, was recently presented the C. V. Hibbard Achievement Award by the UW YMCA. The award is given annually to the YMCA student cabinet member who has made the most significant contribution toward furthering the aims and objectives of the association on campus.

2nd Lt. Franklyn R. Johnson has been graduated from the training course for U. S. Air Force weapons controllers at Tyndall AFB, Fla.

2nd Lt. Olin E. Gilbert Jr. has entered U. S. Air Force pilot training at Williams AFB, Ariz.

LeRoy Breitreutz will be the new administrator for the Fall River school district. He was administrator of the Oakfield School system for ten years, leaving in 1963 to complete his Masters degree at the UW.

James D. Compton has been appointed assistant professor of Spanish at the University of Illinois, Urbana.

Ian G. Wright has accepted a position as a senior organic chemist in the chemical research division of Eli Lilly and Company. He will engage in research in agricultural chemistry.

Charles Ebert has accepted a position as an engineer trainee in the sugar mills of American Factors Ltd. in Hawaii. His father, Ralph Ebert, is a member of the Class of 1935 and is a consulting engineer in Watertown, Wis., while his grandfather, Walter Mabbett, is a 1902 engineering graduate. In addition, both of his older brothers hold engineering degrees from the UW—David '63 is employed as a physicist for Knolls Atomic Power Labs, Schenectady, N. Y., and Paul '58 has accepted a research position with the Bell Labs in New Jersey. Ebert's mother is the former Betty Mabbett, a 1934 UW art education graduate and his grandmother, Mrs. Mabbett, who is the former Marie Hinkley, is a 1902 Wisconsin alumnus.

Karen Eline JENICEK '65 and Frank G. SOUKUP, Madison.

1960

Judith Ann Cain and Russell GAARDER, Evansville.

Jean HUNTON and William R. Robertson, Monterey, Calif.

Susan Haimes and Michael D. KELLER, St. Louis, Mo.

Nancy Carole KLINKE and Albert Douglas Price Craig, New York, New York.

Mary Ann Hanseter and Wayne George KOENE, Oshkosh.

Susan Fleming Knight and Daniel Stephen MAY, Berkeley, Calif.

Barbara R. Carpenter and Gary D. RETTGEN, Madison.

Judith Moreau and Harold SHEAHAN, Two Rivers.

Atty. Clarice Rochelle WAGAN '65 and Howard Joel FELDMAN, Milwaukee.

Maryjo Anne KORES '59 and Gary A. WEISSMAN, Madison.

1961

Diane Jean Bubolz and Dr. Charles Henry ENGEL, Reedsville.

Susan Charles Previant and John Joseph LEE, Milwaukee.

Roberta Jean FLEMING '63 and Alan Setzler POOLEY, Boston, Mass.

Judith Adele Peterson and Robert Kirk RIEMEN, Baraboo.

Carol Frances SCHOENFELD and Hans George Storr, West Allis.

Wilma Jean POOS '62 and William Cofield SUMMERS, Madison.

Sharon Goetsch and Richard WICK, Wausau.

Camilla Adelaide SHERMAN '65 and Francis Dudley WILLIAMS, Racine.

Mrs. Hugh WILMAR and Prof. Dale Norris, Pelham Manor, N.Y.

Sandra Marie La Verne Korab and John Corry WYNGAARD, Hagerstown, Md.

1962

Dorothy McLay CARR and Dennis Roy Johnston, Janesville.

Jane Jacobsen DOHERTY and Robert Breckenridge Ware Mac Neil, Portland, Maine.

La Verne McDaniel and Harry Lemuel HAMILTON, Jr., Memphis, Tenn.

Meredythe Jean HUNTER and Daniel P. Bender, Madison.

Joan Margaret McBAIN and William Addison Bennett, Jr., Appleton.

Yolande Ching.Yee TIAO '64 and Hsien-Ping NIU, Madison.

Susan OHDE and John Caldwell Vance, Manitowoc.

Nancy Lynn Markham and John Ballard RAGATZ, Ann Arbor, Mich.

Jane Mills DAVIS '65 and Frederic Steven SCHADT, West Chester, Pa.

Carol Ann Matthews and Thomas Carl SCHAEFER, Milwaukee.

Roxana Lee Corradini and Frederick A. SCHILLING, Kenosha.

Patricia Ellen SHIELS and Anthony Alexander Ellerd, Madison.

Diane Tobey RAFALOW '65 and Gary Bernard SOBEL, Milwaukee.

Elizabeth Jean Daca and John Richard UDOVICH, Wilford, Conn.

Karen Sue VANDERHEIDEN '62 and Jerome F. WALLANDER, Madison.

Sandra Elizabeth FUNKE '64 and William E. WESTPHAL, Milwaukee.

Nancy Jane Pries and Craig Charles WRATTEN, Madison.

1963

Diane Harriet BLOCK and Laurance Paul Nathan, Madison.

Nancy Penelope BRYANT and Robert Emmett Houlihan, Durand.

Patricia Ann Carroll and Kenneth Anthony BYRNE, Delavan.

Donna Jeanne Elizabeth CLAPP and George Theodore Froming, Madison.

Ruth Margaret CLAY and John A. Stover, Racine.

Donna L. Anthony and John E. ELLIS, Madison.

Pauline FENTON and John Oscar Kiltinen, Shawano.

Marion Louise Lemmert and William Watson GUNDLACH, Pittsburgh, Pennsylvania.

Anita Louise ANDERSEN '63 and Gary Gene HARDEL, Milwaukee.

Susan Jane Schmit and Richard HEINZELMAN, Port Washington.

Mary Louise HUEBNER '65 and Arthur Frederick HASLER, Madison.

Jane Carol Conlon and John Martin HOGSETH, Long Beach, Calif.

Adrienne Cecile COAKLEY '63 and Larry Alan JACOBSON, Madison.

Margaret Elizabeth Tillman and George Roger JIRACEK, Madison.

Nancy Ann KOLLATH '64 and Thomas C. KILEN, Tomah.

Sara Sue Reinert and Gerald E. KIMMEL, Manitowoc.

Susan Jane MEYER and Edward Richard Stege, Madison.

Joanne Marie RUBY '63 and San Waterson ORR, Jr., Elm Grove.

Jeanette Audrey Swenson and Richard Gerret PARKS, River Falls.

Kay Kranz and Andrew PAULSON, Milwaukee.

Janet Hillcoat and Karl SANGER, Baraboo.

Barbara Ann Blake and John Albert SCHARRER, Milwaukee.

Barbara Follett and Charles SCHWEGER, Coloma.

Susan Claire POLLAY '65 and Robert Gary SPECTOR, Madison.

Rae Sharon JACOBS '64 and Stephen Joseph SWEET, Springfield, Ill.

Patricia Hedwig TETER and Arthur Watkins McRowe, Milwaukee.

Patricia LUE '63 and Warren THIEDE, Minneapolis, Minn.

Karen Ann WAGNER and David William Hedges, Monroe.

Polly Baker Thomas and Craig Richard WASHA, Wellfleet, Mass.

Branda Dominski and Thomas G. WEGMANN, La Grange, Ill.

Karen Elizabeth Burke and Richard Milton WITT, Madison.

1964

Patricia Mary ANDERSON and Richard John Cinealis, Sheboygan.

Susan Diane Dahl and Michael J. BALTHAZOR, Deerfield.

Carol Jean KORN '65 and Edward D. BANGS, Winneconne.

Nancy C. Meyring and George A. BEITEL, Boulder, Colo.

Beth Ann SCHULER '65 and Dieter G. BERNINGER, Madison.

Karen CHRISTENSON '64 and Thomas BESTUL, De Pere.

Gail Diane Phillips and Gerald Joseph BLOCH, Milwaukee.

Marilyn Gerbig and Glen BORCHARDT, Watertown.

Leslie A. Parr and John Frederick BRENSIKE, Baltimore, Md.

Sally Jan SAXON '64 and James Overton BROOKS, Jr., Glen Ellyn, Ill.

Priscilla Kay GIDDINGS '63 and Will Roger BUFFALOHEAD.

Constance Macalister and Carl August BURGHARDT, III, Milwaukee.

Else Maria Flegel and Bruce Craig CUPPAN, Waukesha.

Alice J. Jansen and Jerry DAVIS, Antigo.

Sharon Ann DESSLOCH and Andrew W. Schultz, Prairie du Chien.

Margaret Sue Kring and Timothy J. DONOVAN, Wayne, Mich.

Gwen Aldag and E. Gus FRUH, Sheboygan.

Elaine Carol HOWMILLER '64 and Arthur Benedict GALLUN, Milwaukee.

Susan Ellen GOLDEN and Mitchell Saul Blackman, Fox Point.

Marjorie Ann GREENWALD and Timothy Dale Swanson, S. Milwaukee.

Marilyn Rickert and Arnold GROTBECK, Green Bay.

Karen Ellen ANTHONY '64 and Joseph Raymond GRUENDLER, Madison.

Laura Lee ROSEMEYER '65 and Robert Philip HAHNEL, Dickeyville.

Sally Elizabeth HARKER and Richard Curtis De Lancey, Alhambra, Calif.

Notra Pegram and Robert HEAPS, Pardeeville.

Ciel HEIM and Winfield Terrell Burch, Alexandria, Va.

Rita Marie Burke and Dale Jerome HENRICKS, Madison.

Carol Jean HENSEL and John Frazier Kososki, Madison.

Yvonne Elizabeth Nolte and William Dennis HYATT, Beaver Dam.

Karen Rae IVERSON and Douglass Alan Buell, Janesville.

Cecilia Stern and Gary Lee JACOBSON, Sillenbuch, Germany.

Donna Jane KNEPPRETH and Dexter Richard Below, Wauwatosa.

Barbara Anne KORF and Paul Frederick Hase, Milwaukee.

Janice M. Canney and Daniel M. KRAUSE, Madison.

Nancy C. LARSON and Roger A. Kane, Madison.

Beverly Ann HANSON '63 and D. Bruce LEE, Modena.

Linda Kay LICKLIDER and John Charles Parisi, Middleton.

Linda J. LUDVIGSON and William G. Olson, Barron.

Ellen Ray Fisher and Daniel Altman MELNICK, New York, New York.

Mary METZIG and Ronald M. Smelser, Madison.

Esther McKenzie MONTGUIRE and Peter William Van Lare, Wauwatosa.

Virginia Ann NELSON and George Edward Roman, Wausau.

Marjorie Ruth NETTLETON and Terence Francis Thor, Madison.

Judith E. HANS '64 and James E. NICHOLLS, Lake Bluff, Ill.

Patricia JoAn Sullivan and Robert James O'BRIEN, Tomah.

Karen E. ANDERSON '63 and Theodore A. PAMPERIN, Manitowoc.

Patricia Elma PARSONS and Stafford Kay, Madison.

Joan Carol Berkowitz and Michael Edward PETER, Milwaukee.

Marcia Ann Randall and James Lloyd PETERSON, Milwaukee.

Catherine Ann Kitto and Richard N. RAMSEY, Beloit.

Nancy Claire REDMOND and Bernard William Borremans, Jr., Green Bay.

Nancy M. Johnson and Eugene N. REICHARDT, Madison.

Kathryn Louise REMMELE '64 and Gene David SITZGERALD, Beloit.

Pamela Ann KNOX '64 and James Edward RICCIARDI, Whitewater.

Judy JUDD '64 and Robert SCHEURELL, Shawano.

Mary Elizabeth Wiener and Leo Wilfred SCHLIMGEN, Oshkosh.

Betty SOMMERFIELD '65 and Phillip J. SCHMIDT, Poughkeepsie, N.Y.

Janet Rae Hooker and Larry Joe SCHNECKLOTH, Lodi.

Eunice Marie SCHUETT and Keith Edward Roe, Lebanon.

Joan Reich SCHURCH and Dennis Walter Thomson, Madison.

Diane SALERNO '65 and Mark SCHUYLER, Madison.

Virginia Kay Blake and David James SCHWEITZER, Menomonee Falls.

Marian Elizabeth BENNETT '64 and Lee Peter SORENSEN, Madison.

Sara Catharine TERWILLIGER and Mancor Joseph Cyr, Wausau.

Karen Durand and Gary Fred URBEN, Webster.

Patricia Probst and James D. WNUK, Stevens Point.

Judith Alice RUEHL '65 and Terry Albert COLE, Middleton.

Mary Kathleen CONWAY and Ronald Joseph Brayer, Baraboo.

Roberta Jean ROWALD '64 and David Janda CRAIG, Evansville.

Karen DAGGETT and John A. Wertymer, Madison.

Sarah Becker and Alcide H. DELISLE, Neenah.

Karyl Ann Kleinschmidt and Joseph Michael DERRA, Madison.

Patricia Margaret Grove and William Edward ECKERT, La Crosse.

Valerie Ann DYER '65 and John Alden ESLER, Madison.

Patricia Ann FACTOR and Michael Cohen, Chicago.

Carol Jean Wilkins and Robert Joseph GREENE, Jr., Delavan.

Jean Ann HARTMAN '65 and Robert Nehls FESS, Madison.

Helen Jean FINK and Terence Herbert Ladwig, Green Bay.

Patricia Cleveland BOES and Franklin D. Karns, Jr., Lorton, Va.

Nancy Mirek and Darrold FOLZ, Wausau.

Mary Katherine Danz and Peter Joseph GEIGEL, Green Bay.

Joan Patrice KOEHLER '63 and George Isaac GLAUBERMAN, Madison.

Peggy PORTER '64 and Milton D. GLICK, Madison.

Wilma Ann Brereton and Michael P. GROSS, Lodi.

Virginia GULLICK and J. Charles Phillips, Reedsburg.

Kathye Jean DANAHER '65 and Robert Langley HANSON, Wauwatosa.

Judith Kay Armbrecht and Charles Davis HAWKER, Madison.

Karen HERMAN and Harry V. Carlson, Madison.

Agnes Lucille BREHM '65 and Gary Dean HINZ, Madison.

Marilyn Dianne Gower and David Duane HOFFMAN, Black River Falls.

Nancy Ruth CASS '65 and Robert Nelson HORSWILL, Gary, Ind.

Susan M. FISHER '64 and Thomas E. HOVDE, Crystal Lake, Ill.

Margaret Louise Mannes and Ellery Roger JENSEN, Jr., Colfax.

Bonnie Jane ROBERTSON '64 and Richard Wallace JONES, Madison.

Claudia Tsai-Hsin KAO and Wei-Kao Lu, Minneapolis, Minn.

Bonnie Jean KLEIN '63 and Peter Daggett KARSTEN, Whitefish Bay.

Delores Ann BREU '64 and Dale F. KORFF, Sheboygan.

Pamela Christine Wolcott and Ralph Bruce KRAINIK, Hartland.

Caryl Sharon Cook and Charles William LANG, Lancaster.

Kara Nan SKRIPKA '65 and Rodger Alan LANG, Madison.

Judith Anne Little and Lawrence A. LINK, Minneapolis, Minn.

Diane Stenz and William LONSDALE, New Holstein.

Margaret McDERMOTT and Terry D. Galle, Mineral Point.

Jane Ann Baker and Leroy John MERCIER, Jr., Cedarburg.

Kathleen Dewing and Glenn MILLER, Oshkosh.

Klawa NEPSCHA and John Edward Thresher, Madison.

Christine ARNOLD '65 and Robert A. NUERNBERG, Madison.

Kristen Elaine NORDHOLM and John William Roethe, Stoughton.

Mary Ann O'CONNELL '64 and David W. OBERLIN, Menasha.

Catherine Arlene CLINE '65 and Peter Albert OKRAY, Madison.

Maria Teresa OSTERFUND and Michael John Googins, Prairie du Sac.

Kristin Kay PETERSEN and Robert Seidner, Portage.

Susan Joan POMPLUN and David Kent Cawley, Portage.

Jennifer Ann RICE '65 and Edward I. PORWIT, Adams.

Barbel Drebrow and Elmer RAMTHUN, Jr., Kewaskum.

Nancy Ellen REAMER and David John Luttrupp, Oshkosh.

Flora Adams DICKIE '65 and Paul Joseph Frederick REGNIER, Madison.

Carol Jean Jaeger and Robert Charles REIMER, Milwaukee.

Jane Carol RITZENTHALER and Kenneth Winter Bateman, Hales Corners.

Judith Ann ROGNESS and Dennis C. Kickland, Neenah.

Judith Ann ROSENBAUM and Henry James Eckstein, Milwaukee.

Laurie Ann ROSS and David O. Fjeldstad, Palm Beach, Florida.

Dorothy Mae Uhle and George Frederick ROTH, Whitefish Bay.

Joan Margaret Shealer and James Stanford SCHILLING, Fond du Lac.

Susan Jane Miller and John Paul SCHMIDTKE, Green Bay.

JoAnne SEDGWICK and Patrick Timothy Ward, Madison.

Joan DAVIES '65 and Rick SHEVIAKOV, Madison.

Pamela GRASSMAN '65 and Dag SOHLBERG, Madison.

Meredith Ann Bliss and Michael Walter SPANGLER, Madison.

Susan Elizabeth HUSTING '65 and Steven Carlton STODDARD, Madison.

Roseann Baldwin and Jay Anthony STRIGEL, Racine.

Linda M. Cossmann and Andrew SUNDENA, Jr., Madison.

Sally T. SYSE and Dean E. Zentner, Middleton.

Ruthanne Dorothy Strohn and Bradley Edwin TAFT, Manitowoc.

Nancy Lee DALLICH '65 and Charles Burdette TORINUS, De Pere.

Georgia BEHRENS '64 and Glenn UNGER, Sterling, Ill.

Charlene Ingrid Burke and Larry Eugene VANGEN, Westby.

Kathleen Jean WEISZ and Lee Victor Assmann, Waukesha.

1965

Kay Elnora Best and John Charles ALTMANN, Two Rivers.

Marian Hedwig AMLIE and Timothy Donald Nelson, Madison.

Sheryl Amy Castagna and Lance William ANASTASIO, Janesville.

Mary Elizabeth ANDERSON and James H. Shipley, Middleton.

Karen Barbour Frank and Steven Matthew BARNEY, Webster Groves, Mo.

Donna Lou Anderson and Peter Arthur BEHR, Madison.

Ruth Elaine Straka and Harvey BEHREND, Prairie du Chien.

Susan Jean BONFIELD and Arthur Dean Volkman, Madison.

Nancy HEIZER '65 and Brian J. BRADLEY, Madison.

Patricia Ann STAFFELD '65 and Charles Frederic CHESNEY, S. Milwaukee.

Mary Jo STAMM '64 and Robert Curtis CHICKERING, Madison.

Donna Grace Peebles and Donald Rasmus CHRISTENSON, Oconomowoc.

Necrology

- Thomas James LAW '91, Clear Lake, S. Dak.
- Maurice A. McCABE '96, Milwaukee.
- Oswald SCHREINER '97, Ft. Lauderdale, Fla.
- Helen DORSET '99, La Crosse.
- Laurance Charles BURKE '01, Claremont, Calif.
- William John VANDERKLOOT '02, Chappaqua, N.Y.
- Jane M. GODDARD '03, Muscatine, Ia.
- Victor Sherwood KUTCHIN '03, Green Lake.
- Mrs. John D. Woledge '03, (Julia H. RINDLAUB), La Grange Park, Ill.
- Fred Elias BEALS '04, Milwaukee.
- Rowland Barney ANTHONY '05, Chicago, Ill.
- Royden Jonas COON '05, Lakeland, Fla.
- Ida Elizabeth STREHLOW '05, Wauwatosa.
- Otto Raymond HENRY '07, Viroqua.
- Louis Mark THOMPSON '07, Post Falls, Idaho.
- Mrs. Louis Mark Thompson '07, (Lottie Irene SCHNELL), Coeur d'Alene, Ida.
- Jerome G. VAN ZANDT '07, of San Pedro, Calif. in Spain.
- Legare Logan OELAND '08, Madison.
- Joseph Vincent REILLY '10, Madison.
- Frederick W. BENTZEN '11, Neenah.
- Francis B. McMAHON '11, Milwaukee.
- George William HEITKAMP '12, Dubuque, Iowa.
- Albert Warfield HOOPER '12, West Chester, Pa.
- Oscar Frederick LOEFFLER '12, Milwaukee.
- Otto Henry SCHMIDT '12, Eveleth, Minn.
- Elliott Ray DETCHON '13, Tucson, Ariz.
- C. Abner HENDEE '13, Milwaukee.
- Charles Laselle JAMISON '13, Ann Arbor, Mich.
- Asa Biehl GROVES '14, Rockledge, Fla.
- Robert Nathaniel HEDGES '15, Madison.
- John Adolph SEEMAN '15, Beloit.
- Leighton George FOSTER '16, Orlando, Fla.
- Ray V. MURPHY '16, Hinsdale, Ill.
- Robert Peter PETERSEN '16, Meadowbrook, Pa.
- Leonard Bradt PARSON '17, Baraboo.
- Mrs. Herbert Walgren '17, (Ruth Elizabeth ROBERTSON), S. Chicago Heights, Ill.
- Louis Bradley BLACHLY '18, Tucson, Ariz.
- Sears Polydore DOOLITTLE '18, Washington, D. C.
- Mrs. Paul D. Kay '18, (Ruth Carol SMITH), Norwalk, Conn.
- Clarence Albert POTTINGER '18, Rockford, Ill.
- George Galloway TOWN '18, Long Beach, Calif.
- Earl C. ANDERSON '19, Grantsburg.
- Emery PORTER '19, Wauwatosa.
- Presley Dixon HOLMES '19, Detroit, Mich.
- Charles Robert MARSHALL '19, Monroe.
- Ezra Hazelton ROGERS '19, Milwaukee.
- Elinor Marie SCHROEDER '19, Loraine, Ohio.
- Mrs. H. H. Brockhausen '21, (Frieda Laura RUMMEL), St. Paul, Minn.
- Clemens Henry HUBER '21, Watertown.
- Leon Emanuel KAUMHEIMER '21, Milwaukee.
- Edward ROTHMAN '21, Madison.
- Dexter BROWN '22, Seattle, Wash.
- Robert Justin CUFF '22, Portage.
- Denis DELANEY '22, Richland Center.
- Raymond James HANLON '22, Wauwatosa.
- Mrs. Otis Wilcox Palmer '22 (Rena LANDT), Wisconsin Dells.
- Henry Frederick SCHROEDER '22, Milwaukee.
- Egbert Bird BUNDY '23, Eau Claire.
- William Edwin JERVING '23, Milwaukee.
- Clarence R. MILLER '23, Madison.
- R. Kenneth PURVES '23, Sarasota, Fla.
- Irving Meyer RAMSDELL '23, Los Angeles, Calif.
- John Morris DODD '24, Santa Barbara, Calif.
- Pennell Clarke KELLY, Sr. '24, Houston, Texas.
- George Alfred BALLAM '25, Sells, Ariz.
- Nathan EDELSON '25, Skokie, Ill.
- W. Ralph GILES '25, Merion Station, Pa.
- Mrs. Lulu Carlson '26 (Lulu Beatrice LIEN), Burlington.
- Raymond Marvelly GRIFFITHS '26, Alabama.
- Mrs. Harry Sylvester Kearby '26, (Marion Mabel JUNEAU), Wauwatosa.
- Mrs. Russell Osgood Morris '26, (Harriet Josephine JACKSON), Madison.
- Edward Aloysius CONWAY '28, Omaha, Nebr.
- Mrs. Gerald Durkin '28, (Velma Lucile ERVIN), Decatur, Ind.
- Derrel Eckie LAWRIE '28, Santa Ana, Calif.
- William Reece WARNER '28, S. Milwaukee.
- Edward William AZPELL '29, W. Lafayette, Ind.
- Truman Henry MARSH '29, Milwaukee.
- George William VATER '29, Milwaukee.
- Carlton E. LOHR '30, Hartford.
- David Suttie MORRISON '30, Chicago, Ill.
- Antoinette Barbara VAN EDIG '30, Tucson, Ariz.
- Lester Vincent WHITNEY '30, San Luis Obispo, Calif.
- Charles Homer KEIPPER '31, Milwaukee.
- Bertha MOSS '31, West Allis.
- Roscoe George BOOTH '32, Brookfield.
- John Richards BOSTWICK '32, Port Washington.
- Mrs. Laban C. Smith '32, (Margaret B. HAYES), Terre Haute, Ind.
- Robert Burr SHUMWAY '33, Rockford, Ill.
- Francis Thomas McGEORGE '34, Chicago, Ill.
- Mrs. George Albert Hill, Jr., '35 (Julia LOWTH), Columbus.
- Olinda Christine RAMSTAD '35, Superior.
- Mrs. Walter Richard Johnson '36, (Margaret Mary CROFT), Libertyville, Ill.
- Glenn N. LEMPEREUR '36, Weston, Mass.
- Harold Eugene CANNON '37, Orinda, Calif.
- Ira Joseph KLIGORA '37, Whitewater.
- Helen Elizabeth SLABAUGH '37, Chicago, Ill.
- Gregor David ZIEGELMAN '37, Madison.
- Charles Roy CARTER '38, Madison.
- Thelma Lucille INGWELL '38, Stoughton.
- Joe B. JOHNSON '38, Denver, Colo.
- Harold Edward SCHMIT '38, Armonk, N.Y.
- Harold Fisher CHAMBERLAIN '40, Sepulveda, Calif.
- John Grim McLEAN '40, Davis, Calif.
- Edmond Richard BOEHCK '41, Houston, Texas.
- Franklin CONNOR '41, Salem, Oregon.
- Robert Bird LANGDON '41, Madison.
- Howard Milo LYON '41, Beaver Dam.
- Estel Dee FELCH '42, Madison.
- John Pershing KOSS '42, Milwaukee.
- John Paul McKEE '43, Seattle, Wash.
- Irving SKLAR '43, Milwaukee.
- Sylvester Daniel LUBY '46, Dubuque, Iowa.
- Willis Charles GREB '47, Phoenix, Ariz.
- Thomas Byron EDGE '48, Milwaukee.
- Mrs. James William Hamilton, III, '48, (Margaret Rose TOMCZAK), Boston, Mass.
- Harold Eugene ENTWISTLE '49, Black River Falls.
- Philip Gardner WHITE '48, Madison.
- Allen Joseph PRIEBE '50, Oshkosh.
- Carl Edward MEYER '51, Milwaukee.
- Howard Edgar NORRIS '52, Waukesha.
- Mrs. Wayne John Jacobs '53, (Nelda Jean BILKEY), Harrisburg, Pa.
- Joy Mary BELL '54, Milwaukee.
- John Alexander CRAIG '55, Rochester, N.Y.
- Francis Earl FALLON '60, Madison.
- Curtis Henry DETTMANN '61, Milwaukee.
- Edward Joseph BOURGEOIS '62, Madison.
- Lt. (jg) Charles Dickens COLLINS '62, USN, of Milwaukee, at Barstow, Calif.
- Lt. William Ralph THEISEN '62, USAF, of Fond du Lac, at Tampa, Fla.
- Lt. Neil Arnold LEITNER '64, USAF, of Manitowoc, at Nashville, Tenn.



VULCAN, A.D. MCMLXV

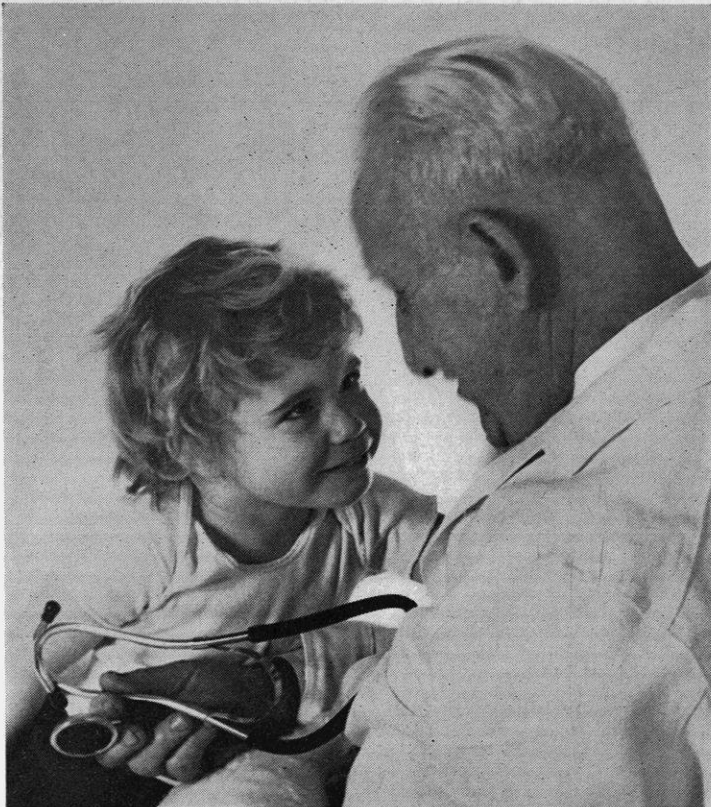
If the Roman god, Vulcan, were around today, that extraordinary ironworker might be astounded by the feats which his modern counterparts are performing—and *without* the use of supernatural powers.

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