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# WISCONSIN

FEBRUARY, 1965

# Alumnus

a special report on the Medical Center



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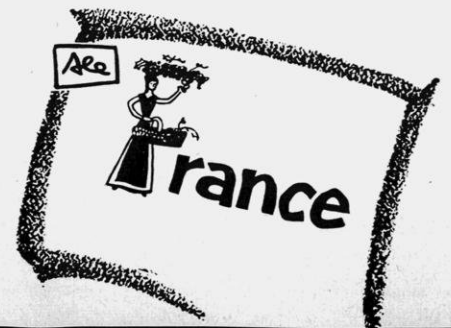
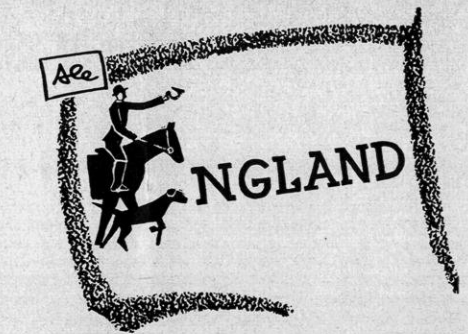
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February 1965



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# This Year, We're Trying **SOMETHING NEW**

## for Alumni Weekend

Traditionally, the annual return of alumni to the Wisconsin campus has been held on Commencement Weekend in June. This year, however, Alumni Weekend has been moved forward to the middle of May so that alumni will have an opportunity to come back to the campus when school is in session and a variety of activities fill the calendar.

Official alumni events will begin on Friday, May 14, with registration and the induction of the Class of 1915 into the exclusive Half Century Club. Saturday noon, reuniting classes, including 1940 which will celebrate its 25th anniversary, will hold luncheons.

The afternoon's activities will be highlighted by the annual spring football game. Saturday evening, the Alumni Dinner will be held in Great Hall of the Memorial Union. A group of Badger alumni will be presented with Distinguished Service Awards, and Gov. Warren Knowles, past president of the Alumni Association, will be the featured speaker on the program.

Classes scheduled to hold reunions this year include: 1910, 1915, 1917, 1920, 1925, 1930, 1935, 1940, 1945, 1950, 1955, and 1960.

All alumni are encouraged to take part in the activities planned for this special weekend in Madison.

# May 14-15

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### ALUMNI DINNER

Wisconsin Alumni Association  
770 Langdon Street  
Madison, Wis. 53706

Please reserve -- place(s) for me at the Alumni Dinner to be held in Great Hall of the Memorial Union at 6:30 p.m. on Saturday, May 15. Cost is \$4.00 per plate. My check is enclosed.

Name ----- Class -----

Address -----

City ----- State ----- ZIP -----

# ON WISCONSIN

by Arlie Mucks, Jr.  
EXECUTIVE DIRECTOR



CONTROVERSY and changes are synonymous. For that reason, today's University of Wisconsin is often the seat of controversy because it is a changing university and the stresses and strains of a changing society are reflected in its daily business.

Frequently, controversy centers on the student. At this writing (we will carry a full report on the situation next month), we are currently in the middle of a controversy involving a state senator and a University student whose political beliefs are under question. Once again the champions and detractors of academic freedom are active.

As the issue develops, I think it is important to point out to alumni that the further they get from the immediate university atmosphere, the more critical they are likely to be on the question of the limits of academic freedom. When a student becomes an alumnus, there is a rather strange metaphysical change in attitude that often takes place. It is, perhaps, a subtle change that occurs over a period of years rather than over night. It is a study of what happens to the idealism of youth when it has been tempered by the shocks of experience. But it happens, and the point that I am trying to make is that today's radical student may quite easily become tomorrow's reactionary alumnus who vehemently resists the changes that are taking place back at the campus.

Today's academic pressure cooker seethes with a growing feeling on the part of students that they should take an *active* part in shaping our country's present and future. The recent turmoil at Berkeley is only a sign of what is to come. Students at other colleges and universities will now feel that revolt is justified and perfectly natural if their academic freedoms are being constrained.

Academic freedom, like any other freedom, is an idea—it cannot be suppressed by an administrative edict. If it is, the institution responsible for discouraging the unfettered academic inquiry will soon be forced to turn in upon itself, to exist in an atmosphere that is stale and fetid.

Of course, there is another side to all of this. Academic freedom involves responsibility. It is not a blank check for anarchy. Faculty and students are not absolved of the normal citizen's responsibility to his society. They, too, must abide by the laws which govern us all.

This is where we, as alumni, can make a great contribution to the progress of our university and to the defense of academic freedom. We must make an extra effort to understand the issues involved and to place them in the proper context of our time. *All* the evidence in a particular case must be reviewed and censure, if it is forthcoming from such a study, must be the product of a fair judgment rather than warped prejudice.

At Wisconsin we have a legacy—the famous “sifting and winnowing” plaque affixed to Bascom Hall. Many times we have had our noses bloodied in defending the sentiment expressed on that plaque. For those of us who still believe that freedom—whether it be academic or constitutional—is our country's greatest heritage, the struggle has not been without its rewards.

# ABOUT THE UNIVERSITY



## **40,000 Seen as Madison Enrollment Limit**

**I**N A JANUARY statement to the faculty, President Harrington outlined some of the administration's thoughts on the future size of the University. The president said:

"We have given considerable study to the overall development of the University, including such matters as student distribution, and the physical capacities of our various campuses. . . . The optimum capacity of the Bascom Hill campus here in Madison would seem to be around 40,000 students—and before we reach that point, we should be well along with the development of further capacity in the Madison area. The question of how to handle these additional students—and preserve the personal touch that is a characteristic of this University—will be one of the major matters to be handled by Chancellor Fleming and the Madison faculty.

"Similarly, the capacity of the "L" shaped campus at Milwaukee has been determined to be around 25,000, and we advocate that planning in Milwaukee include considerations of the various possibilities of further expansion there. Meantime, we have proposed to the Legislature a buildup of the offerings at the Centers in the next biennium, and the opening of new Centers in Waukesha and Rock Counties to draw off some of the enrollment pressure from Madison and Milwaukee. And we have outlined to the Coordinating Committee our proposals for adding junior and senior work in the

Fox Valley and in the Racine-Kenosha area.

"All these matters are being handled within the educational guidelines by this faculty and in the Wisconsin tradition of individual attention for each student. In the face of the great enrollment surge—which is good—we hope to maintain in the University of Wisconsin system the opportunities for individualism, the quality of education, the personal touch, the balance of instruction and research and public service, and the other important hallmarks of this institution."

## **Title of Chancellor Returns After 100 Years**

**T**HE TITLES of the University of Wisconsin's three chief campus administrators, Robben W. Fleming of the Madison campus, J. Martin Klotsche of the Milwaukee campus, and Lorenz H. Adolfson of the University Centers, were changed from "provost" to chancellor" in January.

The change, approved by the Regents, returned the title "chancellor" to the University after an absence of almost a century. The first two Madison campus executives, Chancellors John H. Lathrop and Henry Barnard, were followed by its first President, Paul A. Chadbourne, in 1867.

UW Pres. Fred Harvey Harrington, who heads the central administration of the University over all the campuses, recommended the title change to the Regents.

He said the change would bring Wisconsin's titles into better align-

ment with general educational usage in the nation. It is similar to usage in a number of complex universities—the University of California, University of Missouri, and University of North Carolina, for example.

The "provost" title, which had been used since the creation of the University of Wisconsin-Milwaukee, will be retained for a time there by the chancellor to conform with standing legislation. It may also be used in the future within the general University structure to designate an officer who assists the chief executive in administering certain phases of the institutional program, which, President Harrington said, "is the proper use of that title."

## **Progress Made Toward Alumni House Construction**

**A**NOTHER STEP forward was made in the progress of building the Alumni House as final plans and specifications were approved by the Regents in January.

A delay, brought about by the need to tie in the Alumni House development with the overall planning for the Lower Campus, pushed back the timetable for expected completion. It was hoped that the structure could be dedicated by Homecoming of this year. However, plans now look for a completion date of sometime early in 1966 with formal dedication anticipated to come during Alumni Weekend next year.

Currently, the plans and specifications are out for bids. Once the bids have been received and approved,

ground will be broken and construction will proceed.

The Alumni House, which is to be financed through gift funds, will be located at the end of North Lake Street on the shore of Lake Mendota. With a design that has a "jewel box" appearance, the new house will serve returning Wisconsin alumni as well as special visitors to the Madison campus.

### **Name New Dean of Students for Madison**

**D**R. Joseph F. Kauffman, former director of training for the Peace Corps, will become dean of student affairs on the Madison campus of the University next July 15.

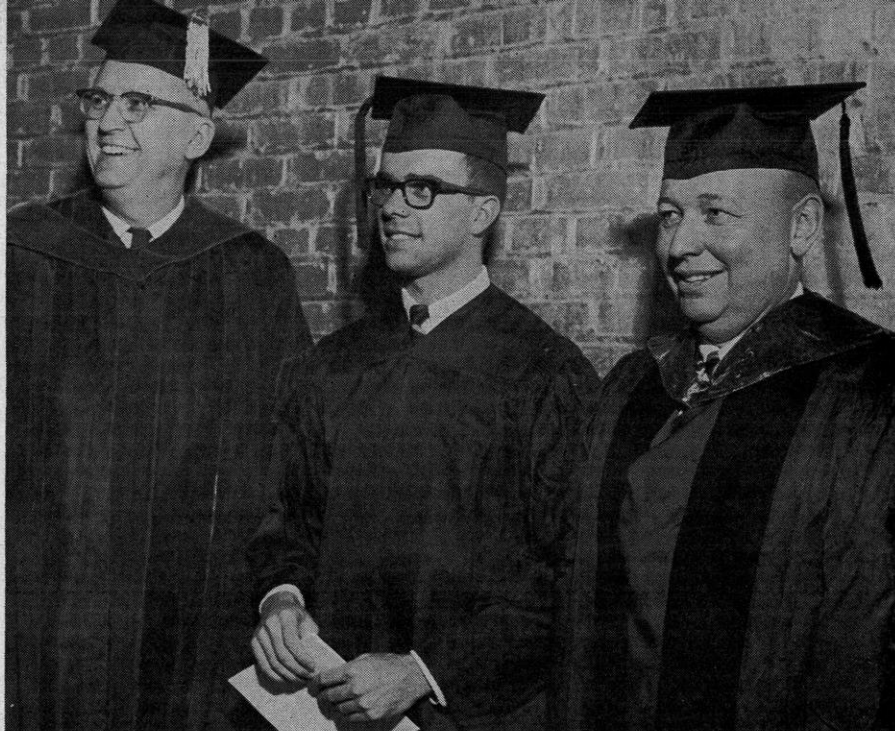
His appointment was approved by the Wisconsin Regents in January. Dr. Kauffman will succeed Dr. Lewis E. Drake, who has been serving as acting dean of students as well as director of counseling on the Madison campus.

Now associated with the American Council on Education's commission on academic affairs as consultant and with the American Personnel and Guidance Association as director of higher education services, Dr. Kauffman earned a B.A. at the University of Denver, his M.A. at Northwestern University, and the D.Ed. at Boston University.

Dr. Kauffman, 43, was assistant to the president of Brandeis University from 1952 to 1956 and dean of students from 1956 to 1960. In 1960-61 he was executive vice president of the Jewish Theological Seminary of America, and from early 1961 to September 1963 served as director of training, U.S. Peace Corps.

His record also shows service as regional director of the Anti-Defamation League, B'nai Brith in 1949-50, and as coding supervisor for the National Opinion Research Center in Denver in 1946-48.

Dr. Kauffman has lectured at the University of Maryland, Brandeis University, and Kansas State College, served on workshops at the University of Denver and University of Omaha, and was a consultant to the Bureau of External Research, U.S. Department of State and the



The effects of the oft-mentioned enrollment bulge became quite obvious this year as the University held the first midyear Commencement ceremonies in its history. Shown at the ceremony held in Madison is this trio of presidents: UW President Fred Harvey Harrington, Senior Class President Ken Quintenz, and WAA President Dr. Robert R. Spitzer. About 1750 students received degrees at the historic Commencement—1,400 on the Madison campus and 450 at Milwaukee. Approximately 1,100 students were granted bachelor's degrees, 450 master's, and 200 Ph.D.'s. Dr. Spitzer told the graduates: "You earn your degree at a fortunate hour. . . In your lifetime you've already witnessed more progress than all previous generations. But here, too, is debt and responsibility. Great burden is on your shoulders . . . great opportunity. My belief in life is that the individual shall have the opportunity to develop to his greatest potential in character, personality, and productivity. Education and degrees will help you to learn, grow, act, and serve."

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## **Alumni Asked to Submit Names for Distinguished Alumni Awards**

**F**OR THE second year in a row, the Wisconsin Alumni Association will be presenting Distinguished Service Awards to outstanding Wisconsin graduates. The awards will be given to alumni who have the following qualifications:

- outstanding professional achievement
- a record of alumni citizenship that has brought credit to the University
- loyalty and service to Wisconsin

Association members are encouraged to nominate alumni for this award. The Awards Committee will review the nominations and make a final selection. The Distinguished Alumni Awards will be presented at the Alumni Dinner on May 15. Nominations must be in the Association office by March 12. Send your suggestions to: Alumni Awards, Wisconsin Alumni Association, 770 Langdon Street, Madison, Wisconsin 53706.



Carnegie Corporation Study of Negro Colleges.

He has written for such periodicals as the "Personnel and Guidance Journal," "Journal of Higher Education," and "The Educational Record," and has a book in progress on American education.

### *Regents Approve Plans for Crew House*

**A**MID CRIES of protest from local citizens, the Regents, at their January meeting, approved preliminary plans for a crew house and enlarged public swimming facilities at the Willows Beach on the campus.

The Madison citizens (primarily west side residents) protesting the University's intention to move into this area, claimed that the erection of the crew house: would eliminate the convenient parking area next to the beach; wipe out the "intimate" nature of the current beach and obstruct the view of the lake from Willows Drive; make the beach unsafe to use because of the activities of the crew; turn the beach over to be used primarily by University students; and do away with one of the few remaining public accesses to Lake Mendota in the city.

The Regents, however, did not agree with the case presented by the citizen groups. They approved the project, with only Maurice Pasch, Madison, dissenting.

The \$250,000 project, financed entirely through athletic receipts and

gifts, will more than double the public beach and greatly increase the water frontage in the Willows Beach area in the western part of the Madison campus.

The present 6,700 square feet of sand beach will be increased to 11,000 square feet of sand plus 5,300 square feet of apron available to the public for sunbathing. Water frontage in the Willows Beach area will go from the present 84 feet to more than 300 feet.

Normally the University crew is active only in the spring and fall. During the hot summer months, when swimmers crowd the area, there is little or no crew activity.

In addition, a 12-foot wide pier for boating and swimming and a 54-car parking area, both open to the public, will be constructed. At present there is space to park 23 cars adjacent to the existing beach.

The brick-construction crew house (see photo) will contain 19,000 square feet to be used for shell storage, showers, locker room, and maintenance shop. Toilets in the building will be open to the public using the beach.

The Willows Beach shoreline will be improved and beautified and no trees will be removed for the construction. The shoreline will be straightened by extending it an average of 30 feet in the immediate area of the beach. This will also provide a public walkway along the beach front.

University officials said the site for the new crew house was chosen

specifically to provide the best possible crew location and a larger public beach area.

Construction of the new crew house also will free for public use an area of shoreline just east of the Wisconsin Union, site of the old crew house.

Architect for the structure is John J. Flad and Associates, Madison. Construction is due to start next May and the building is scheduled for completion in November.

### *Language by Computer*

**S**OME OF THE problems of language are to be answered by UW linguists who have turned to modern electronic computers as aids in language analysis.

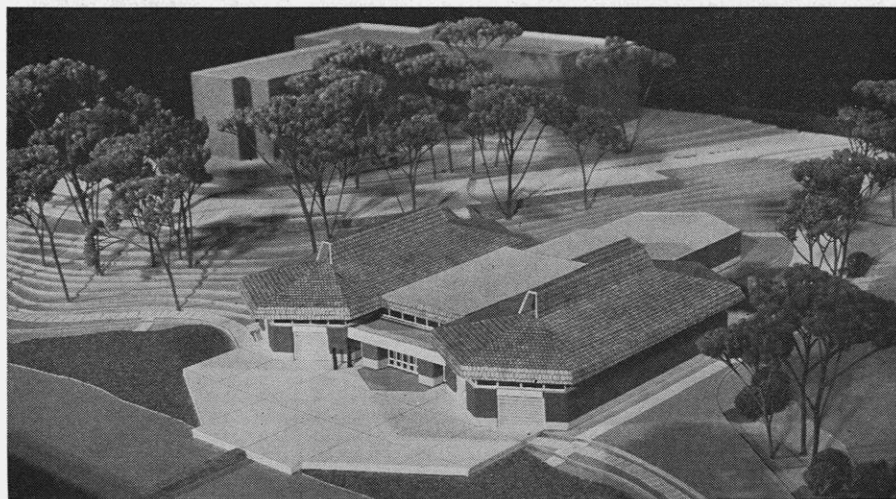
Linguists feel that the basic grammatical rules of language are somehow quickly and readily built into the human mind, but the way this is actually accomplished has remained a mystery.

Efforts to unravel this mystery have recently led to the development of a new branch of linguistics—mathematical linguistics—which utilizes high-speed computers to analyze the grammatical structure of language.

"Linguistics is a highly formalized study of the grammatical and syntactical rules of a language, and it is admirably suited to the use of computers as analytical aids," says Prof. Murray Fowler of the University of Wisconsin linguistics department. "Since languages are highly systematic and formal systems, they are readily adaptable to mathematical linguistics program with options for the B.A. and the Ph.D. on the Wisconsin campus. It is one of the five or six such study and research efforts in the nation. With suitably designed computer programs, modern electronic machines can be made to recognize distinctive features of syntax and grammar. The real test, however, is to see if computers can utilize the set of ordered rules it has been fed to generate intelligent sentences.

If this can be accomplished, a linguist will know he has given the computer a set of correct directions.

Proposed Crew House



# An Island of Hope

by Jean Clausen

**A** YEAR AGO a 20-year old man lay in a hospital bed unable to leave it. He was almost completely paralyzed from a fractured cervical vertebra which was the result of an automobile accident. The young man was undernourished, weak and depressed, and he could see no future for himself.

This month that same young man is starting classes at the University of Wisconsin Madison campus, living at Sellery Hall and planning to major in English education. Is this a miracle of modern medicine? Yes and no. The young man, whom we shall call Don, is still paralyzed, and to the same degree. The key to the change in his situation lies in the nine months he spent at the Rehabilitation Hospital, a part of the University of Wisconsin Medical Center.

The Medical Center includes six hospitals: The State of Wisconsin General, Mary Corselia Bradley Memorial, Student Infirmary, Wisconsin Orthopedic for Children, Cancer Research, and Neurological and Rehabilitation. All except the last-named are located in the vicinity of the 1300 block of University Avenue. The total facility consists of over 750 beds. Cited below are only a few of the many medical problems that are being studied and solved behind these doors.

In the Rehabilitation Center on East Washington Avenue, for example, patients come with what Dr. Arthur A. Siebens, its director, calls a "catastrophic disability." "This is due to irreversible changes, and the patients need to completely reor-

ganize their lives," he explains. "We have a team which includes physicians, nurses, physical, occupational, and speech therapists, social worker, guidance and vocational counselors, school teacher, a functional brace shop, and other hospital personnel required for comprehensive care. Each patient presents a slightly different problem and needs the combined services of all our staff."

In the case of Don, the acute phase of his illness was over. At the Rehabilitation Center, his medical problems were solved first. These included skin care, the respiratory problem of shallow breathing, and the control of normal bodily functions. Next he was taught to use a special wheel chair. Eventually he learned to propel it by pushing the knobs extending from the wheels with the arm and wrist motion which he still retained. Since the hands themselves were paralyzed, a special splint was constructed for him in the brace shop. It converts wrist action into prehensile grasp, and eventually Don learned to write, to feed himself, to shave, brush his teeth, and take care of most details of his grooming.

The functional brace shop, which is in the basement of the Rehabilitation and Neurological Hospital, is one of the few of its kind in the country. The particular brace or splint that each patient uses is made to fit only him and his disability. The wrist driven finger flexion splint was developed here by Bill Engel, a former mechanical engineer who is in charge of the brace shop. This

splint is, according to Dr. Siebens, "the best one of its type with which we are familiar."

After the physical problems were solved, Don was given a battery of tests to determine his IQ, his natural endowments, and his interests. It was found that he was college material, and that he would like a career in teaching English. With the cooperation of Dean Chandler Young of Letters and Science, arrangements were worked out for him to enter the University for the second semester. He will live at Sellery Hall, which is not ideal for a wheel chair patient, but is adequate.

Don's family was brought to the Rehabilitation Center to learn the details of his care, then took him home for Christmas. Don is typical of the many who find a new life each year in this facility, which is unique in Wisconsin.

The problem of the cost of all this care is worked out by the social service department of the Hospital. In Don's case it was shared among insurance, vocational rehabilitation administration funds, and personal savings. Patients are admitted to the University Medical Center as "state patients" if the family is unable to pay, as "special rate" patients if the family income is limited, or as private patients. It costs \$25,000 a day to operate University Hospitals; this cost is met by state funds and patient fees from the above sources.

In the General Hospital, the department of cardio-vascular surgery has been doing open-heart operations since March of 1957, when only

a handful of hospitals had the equipment and trained personnel for it. Wisconsin-raised and trained Dr. William P. Young and his team have performed almost seven hundred open heart operations. The team includes surgeons, anesthetists, nurses, blood technicians, and others. Facilities have recently been remodeled to include two operating rooms and a 29-bed nursing unit.

In 1957 the work was limited because of the lack of a really satisfactory artificial valve to replace damaged valves of the human heart. Dr. Vincent Gott, associate professor of surgery, and Ronald L. Daggett, professor of mechanical engineering, worked for several years to perfect a hinged leaflet valve. Dr. Young describes it as "the very best artificial valve available. It can be surgically inserted to replace any of the four valves in the human heart."

It was thoroughly tested on experimental animals and ready to be

Bill Engel, an orthotist at the Rehabilitation and Neurological Hospital, works on a custom designed brace.



tried on humans when a patient with calcified aortic stenosis was brought in. He was a truck driver, but had been unable to work and support his family for a long period of time. The department of cardiovascular medicine, under Dr. Charles Crumpton, completely evaluated the patient and found that his only help would have to be surgical. The man knew that his would be the first human heart to use this new type of valve, and he was eager to participate.

On April 30, 1963 the surgical team proceeded to put in the valve, carrying the laboratory research to the clinical stage. The surgery took about seven hours and was completely successful. The patient remained in the hospital almost a month, but was able to go back to light work in three and a half months. Within six months he was back driving a heavy truck and has been working and supporting his family ever since. His progress has been carefully followed by the department of cardio-vascular surgery—their patients are people, not cases, to everyone from surgeon to stenographer.

AT THE Cardio-Pulmonary Research Laboratory, a problem of great importance to Wisconsin farmers was ferreted out. They are subject to a peculiar kind of chronic pneumonia called "farmer's lung." Recurring attacks may be severe, and may eventually permanently disable the farmer. A Wisconsin team composed of Drs. John Rankin and Helen Dickie pioneered in the investigation of this disease in 1957. They have established uniform clinical, physiological, X-ray, and pathological features to aid identity. Farmer's lung is more widespread than at first realized. Dr. Rankin reports, about 25 out of every 1,000 farmers have contracted it. There may be 300 to 500 cases in the state, many of them in young farmers. It has been learned that the disease is contracted from a mold which grows because of heat generated in wet

baled hay. More than 35% moisture content has been pinpointed as the danger point. The disease was originally discovered in England in 1932, but no work was done on it in this country until this study was begun at the University of Wisconsin.

Proximity to a large university where basic research is in progress puts this Medical Center in a unique position in carrying the laboratory research from the phase of experimental animal trials to the human patient. Perhaps the best example of this is in the Cancer Research Hospital. A new three-quarter million dollar three-story addition to the Cancer Research hospital was opened last September. "This addition serves not only in the care of patients but also provides the unique opportunity to study critically the behavior of drugs and other methods of treatment in the control of cancer," said Dr. Anthony R. Curreri, director of the division of clinical oncology.

Patients are usually referred by their local doctor only after the disease has failed to respond to the established treatment procedures. They come in the hope of preventing or delaying a recurrence. Treatment is by drugs, radiation-therapy, surgery, or any combination of the three.

"Strangely enough, our wards are happy," comments Dr. John Schroeder, who is in the chemotherapy field. "These people are at the end of their rope; anything we can do to make them live longer comfortably is a bonus. They are well aware of the part they play in helping future patients if not themselves."

This cancer research hospital is unique in several ways. It is closely linked with basic research done at McArdle Cancer Research Laboratory in its impressive new building. Access to the General Hospital with its experts in every field of medicine makes it possible to quickly check any unexpected side effects of new drugs. Because it is on the campus of a major university, it is possible to work closely with non-medical departments on certain problems.



This miraculous artificial heart valve was developed by Profs. Vincent Gott and Ronald Daggett. The valve has been successfully used as a surgical substitute for damaged heart valves.

Engineering and physics departments have both cooperated in finding better ways of checking on the measurements of tumors.

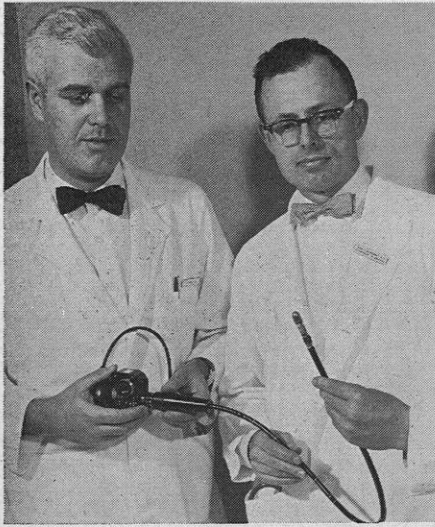
One of the most important drugs to come out of this hospital is 5-fluoracil, which was developed by Dr. Charles Heidelberger at McArdle. The initial clinical work was done six or seven years ago. It definitely produces remissions of cancer in far-advanced cases, and two of the earliest patients are still living. In 1961, 5-fluoracil was selected as one of the 10 top science advances of that year.

Another phase of the work in cancer research of value to the local physician is the availability of these medical experts for telephone consultation. Many times the patient

can be treated by his own doctor if he knows when to use what drug and how often. Post-graduate training sessions for both doctors and nurses are held at regular intervals; professional people attend from all over the country.

In December of 1963 the newly remodeled and expanded Radiotherapy Center was opened. Dr. Halvor Vermund, director, stated that this provides opportunities never before available in giving University Medical Center a place to study effects of higher energies of radiation, also allowing more precision in administration of these energies. A special research laboratory enables the Center to perform studies which aid in both diagnosis and treatment of these conditions.

**T**HE WISCONSIN Orthopedic Hospital for Children is the clinical setting for the first specialized graduate program in the School of Nursing under the direction of Florence Blake. It is now possible to earn a Master's Degree in Pediatric Nursing at Wisconsin. The professional team at Children's Hospital includes among others physicians, nurses, X-ray and laboratory technicians, recreational, occupational and physical therapists, and teachers. The other day Mrs. Dorothy Thompson, nursing supervisor, greeted a small patient as he entered the hospital with his mother. "Hi, Jim," she said, "Did you come back to see us?" "You betcha!" was the quick and enthusiastic reply. His broad grin belied the fact that his



**Drs. Giuseppe Perna and John Morrissey look at the gastro-camera. This device is swallowed by a patient and is capable of taking color pictures for use in the diagnosis of ulcers and stomach cancer.**

face was too pale and his body too thin.

Is this a cured patient returning for a routine checkup? "No," says Mrs. Thompson; "he can't be cured by any treatment known today. He has leukemia and comes in regularly for laboratory work, transfusions, and drug therapy."

According to Dr. Charles Lobeck, chairman of the Pediatrics Department, "A large share of our responsibility is to provide effective management of difficult-to-diagnose and rare conditions." The department also studies rare diseases. For example, Dr. Lobeck and his associates have found three cases of a disease known as nephrogenic diabetes insipida. This is not a major health problem in itself, but its study has led to important findings on the physiology of the kidney and body fluids.

The 102-bed Children's Hospital has one unit which houses the acutely ill patients from ages six to 17, another for less acutely ill and ambulatory children in that age group. Infants up to one year are on third floor, children one to six in another unit on this floor. Those pre-school children who are ambulatory are in the nursery school room several hours a day. Anxious parents can watch through the one-way glass to see how their child is adjusting

to the group. They can often pick up suggestions for play therapy which can be used at home. On the older children's floor is a brightly curtained cheerful room which serves as dining room, school room, or recreation center depending on the time of day.

Also in this building are ultra modern laboratories for research in several pediatric fields. One floor of an entire wing is occupied by the Joseph P. Kennedy Jr. Memorial Laboratories for the study of mental retardation, of which Dr. Harry A. Waisman is director. He has been doing a long term study of the biochemistry of mental retardation to understand its chemical causes and to develop methods of prevention.

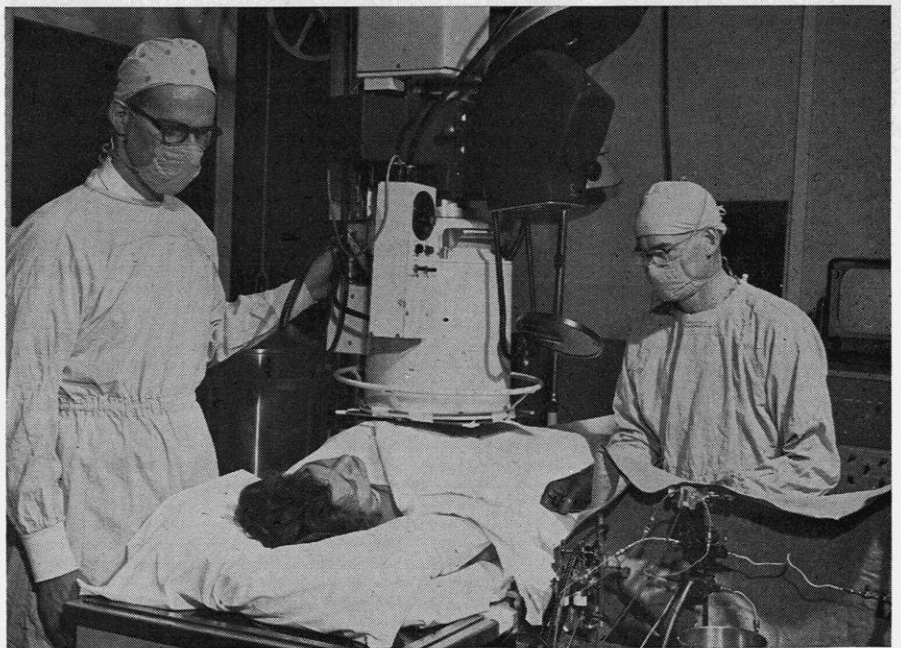
Children with mental retardation but with no known cause for their disease have been studied in an effort to find new clues for both diagnosis and treatment. In the past two years an excessive amount of a chemical not present in the urine of normal children was discovered in the urine of children with newly described diseases. The chemicals have been identified, and work on these is continuing. A long term study on phenylketonuria (PKU), a disease that is treatable if diagnosed early, has shown gratifying

response in the intellectual attainment of children who might otherwise be severely retarded. Last year, under Dr. Waisman's supervision, a medical motion picture was produced to show physicians how to spot PKU babies.

The University of Wisconsin Medical Center has a threefold purpose: patient care, research, and teaching, according to Edward J. Connors, Hospital superintendent. He feels that the post graduate medical training offered at the Medical Center is especially important to the people of Wisconsin: "Studies have shown that doctors tend to practice near where they complete their training. Our house staff of about 200 M.D.'s helps to keep Wisconsin well-supplied with practicing physicians." In addition to doctors, the Medical Center participates in the training of nurses, medical technologists, occupational therapists, physical therapists, medical social workers, dietitians, pharmacists, and hospital administrators.

It is reassuring to know that here in the heart of Wisconsin lies a facility which can do something about the Dons and the Jims, the cancer victims and cardiac patients, as well as the many others who would otherwise give up all hope.

**This three-dimensional camera for viewing and photographing the heart was developed at the UW Medical Center by Dr. George C. Rowe (right), associate professor of medicine, and Dr. William C. Zarnstorff, instructor in medicine.**



# TOMORROW'S MEDICAL CENTER

A \$32-million building and remodeling program for the Medical Center was recommended recently by the Legislative Council, an interim study group of the state legislature. It is expected that the program will take about 10 years to complete. The recommendation came after a committee of the Council completed a seven-month study of the Medical Center.

To get underway, the program needs about \$18 million in state funds. Once these are available, the Medical Center can apply for matching federal money of more than \$8 million. The remainder of the \$32 million—\$4.2 million—had been provided already. It came from the state, and from private contributors—mostly Medical School graduates—who donated about \$800,000 for a medical library.

In addition, state funds allocated for use over a 10-year period will free the Medical Center from plan-

ning on a biennial basis, according to Edward J. Connors, who is in charge of Medical Center long-range planning and superintendent of University Hospitals.

In December, a professional survey and study of the Medical Center's development program was begun to help Medical Center planners and the legislature establish a specific building program for the first phases of the expansion, and to provide guidance for long-range development.

The firm making the survey, James Hamilton and Associates, specializes in hospital architecture and organization. It was selected by the state Bureau of Engineering and the state architect. It also received the endorsement of the University administration.

Some elements of the building program have been completed, and others are underway. A three-story addition was added to a wing of the

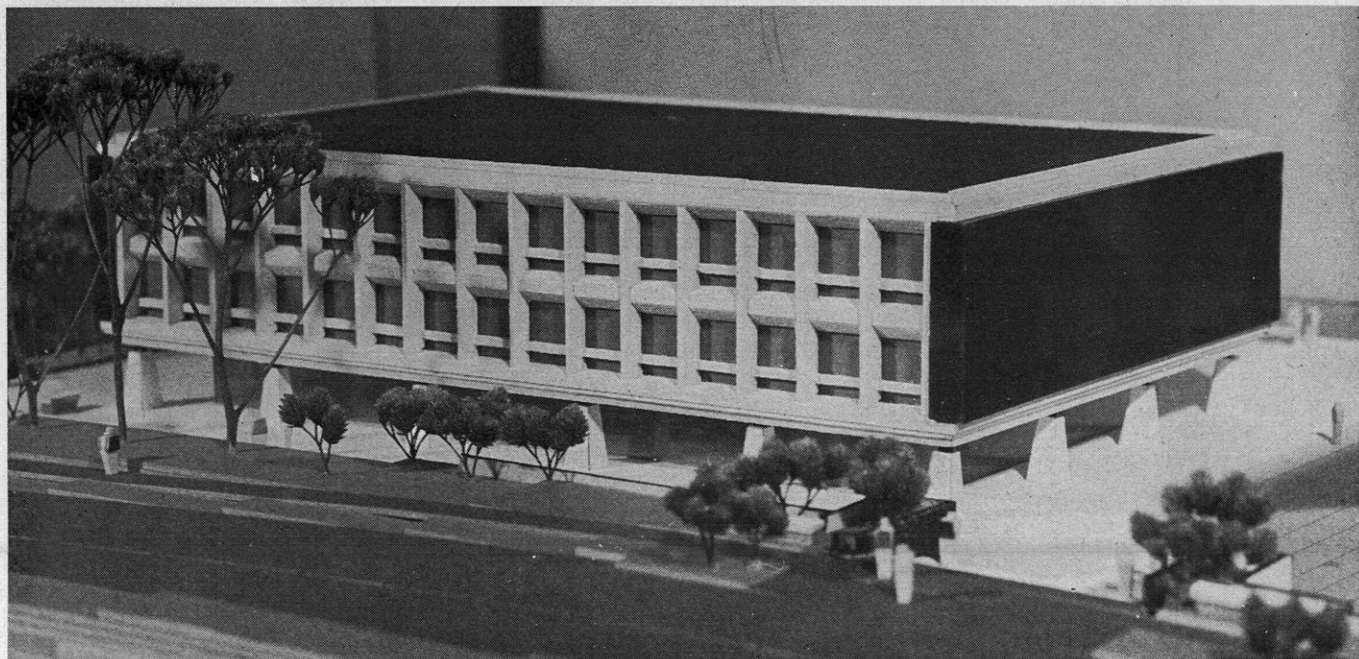
Hospitals, and a three-story addition to another wing is going up now. Construction on the medical library begins April 1.

Other projects in the development include a 15-story hospital building and a connecting three-level service building, which together will cost about \$7.2 million; a Student Health center, \$1,000,000; a clinical sciences research building, \$4,000,000; a building for the School of Nursing, \$1,600,000.

There also would be a major addition to Children's Hospital, \$2,500,000; facilities for paramedical teaching, \$2,000,000; conversion of Wisconsin General Hospital for outpatient, offices and service facilities, \$1,500,000; a new Medical School building, \$2,500,000; an addition to the new medical library, \$650,000; and a parking ramp, which would be self-financing, \$750,000.

Also included in the development are several remodeling projects.

The Regents have approved the preliminary plans for this Medical School Library which is the first part of the new building program. Nearly half of the funds needed to construct the library was secured from gifts through the Wisconsin Medical Alumni Association. The new structure will be located between Children's and Bradley Memorial hospitals and will contain book stacks, space for readers, and offices.



Acting Dean Crow

Evaluates the Medical School

# PROGRESS and CHANGE



**I**N 1961, the Board of Regents dismissed Dr. John Z. Bowers from his position as dean of the University of Wisconsin Medical School. Since that time, under the acting deanship of, first, Dr. Philip P. Cohen, and now, Dr. James F. Crow, the Medical School has continued its drive to build an outstanding school with a broad base in all phases of modern medical science. The old wounds are largely healed and, although the University has, yet to name a permanent dean of the Medical School, there has been continual growth of staff and facilities during the interim period. Dr. Crow is especially pleased with the recent study of the Medical Center by a State Legislative Committee and the full support given by this group to the Medical Center's building plans. The next addition under this plan is the

new Medical Library, scheduled to start in a few months, and financed mainly from alumni gifts.

A closer look at some statistics will help serve as a testament to Dr. Crow's claims. The number of residents and interns in University Hospitals has more than doubled in the past decade. The Medical School for many years accepted about 80 students in each beginning class. Since 1962 the number has been about 100. In 1951 there were less than 200 applicants for the 80 available openings; in 1961, the year Dr. Bowers left, there were 383 applicants. In the last three years, the rise in applications has taken a sudden and dramatic upswing—446 in 1962, 604 in 1963, and 694 for the class entering in 1964. This is part of a national trend, but Wisconsin's percentage increase is considerably

greater than the national average. The increase in applicants has also resulted in a better quality of student entering medical school. This year's entering class has a noticeably higher performance record on aptitude tests than classes in the recent past. Of the students in the Medical School, about 90 percent are Wisconsin residents.

The increase in admissions applications, combined with the limitation of the freshman class and the state's growing need for qualified doctors, has helped to underscore a contemporary dilemma. If the state and the nation need more doctors, then shouldn't the Medical School educate more of them?

"I wish we could admit more qualified students," Dr. Crow confesses, "but we just don't have the resources—faculty, physical facilities, and pa-

tients—to increase our output without a decrease in quality.” “We are trying to take some steps”, he points out. “If our building program in the next two biennia proceeds on schedule, we should be able to expand our entering class to 125.

“The need for doctors will continue to rise in the future. The population is growing older and more people are in the ages where they need greater medical attention. New medical developments that are so successful in prolonging life and relieving suffering are often very sophisticated and require more M.D.’s. More medical graduates go into research or other non-practice areas than before. Clearly, the State of Wisconsin and the nation will have to produce more doctors. But exactly how much of a role the Madison campus should play in this in the future is not clear, at least not to me,” Dr. Crow said.

Another dramatic change over the last decade has come in the area of finance. In the early 1950’s, more than 80 percent of the funds for the operation of the Medical Center came from state appropriations and fees, while less than 4 percent came from federal sources.

Although the state contribution has continued to increase, the federal contribution has increased much more rapidly so that last year the federal support was larger than the state support. As Dr. Crow points out, “The federal government is by far the biggest source of our research program. This is as it should be, I think, for research benefits the whole nation. But a surprisingly large fraction of our support for teaching, particularly advanced teaching, also comes from the federal government. The same is true of building; we have depended on federal funds for most of the program in recent years.”

Within the Medical School, there is a conscious striving to reach a balance among the three functions: teaching, research, and patient service. “It is clear that a medical center such as ours must offer the latest and the best in patient service. We

have a responsibility to the people of the state to provide exemplary medical care for its citizens,” Dr. Crow says. “But it is just as clear that it should be more than just an excellent hospital. The Medical Center must be a place for teaching and learning, for testing and discussing new ideas, a center of new information to be imparted to students, and to doctors through postgraduate programs.”

Dr. Crow further emphasizes that “A great medical school has to be strong in research—it’s the life blood of medical progress. The University has an obligation not only to impart knowledge, but to participate in its discovery. Our objective must be to teach students the medicine of tomorrow, not just the medicine of yesterday and today.

“So great is the rate of progress in medical research that by the time our graduate is middle aged, medical knowledge will have doubled or tripled. Even if he remembers everything he was taught in medical school, he will be only half educated in a few years. It will be harder and harder for the physician of the future to keep up with medical advances if he doesn’t have a basic desire to continue learning. This, I firmly believe, is best taught in a research environment by the example of men who are themselves learning and discovering.”

But even the Medical School has a problem of keeping up. “Technology isn’t standing still—it’s advancing on all fronts. We have to be aware of the advances and how they can help us do a better job by incorporating new techniques and new equipment into our Medical Center,” says Dr. Crow. One of the examples of applying new equipment is seen in the fact that computers are now being used to assist in diagnosing the ills of Medical Center patients.

Jim Crow is an appropriate representative of the type of “triple-threat man” that is becoming so essential to the success of our colleges and universities. For many years, he has been known as one of the University’s outstanding teachers

as he has taught every type of course from a freshman introduction to a graduate seminar. He enjoys teaching. “I believe that if anything, I enjoy elementary teaching more than advanced; for example, my ILS classes are a real pleasure. I like to try to make the latest scientific findings meaningful to minds that, though highly alert, lack specialized scientific knowledge.”

Dr. Crow has done important research in genetics, for which he has been honored by election to the National Academy of Sciences. Just last summer, he was at Stanford University where he worked with Dr. Joshua Lederberg, former UW faculty member and Nobel Prize winner.

Dr. Crow’s two years as acting dean of the Medical School has completed the cycle by giving him a chance to savor the pleasures and frustrations of being an administrator. Because he is a Ph.D. and not an M.D., Jim Crow feels that, although this is a handicap in some ways, he has been able to take a more objective look at some of the problems, the glories, and the growing pains involved with supervising the activities of the Medical School and the Medical Center. “Especially, I am increasingly conscious of the mutually rewarding interchange of ideas and techniques between medicine and the sciences,” he says.

It is his conclusion that the future of the Wisconsin Medical Center is directly related to the overall excellence of the University. “We don’t want to be just another medical school or a hospital,” he emphasizes. “The chances for our greatness lie in the way that we can work with what we have.

“Wisconsin’s Medical School sits in the center of one of our nation’s greatest universities. We have a far better chance than most medical schools to tie our teaching and research programs in with high quality programs being carried out in other University departments, not only biological and physical sciences, but also in the social sciences. Here lies our greatest opportunity.”



## here is a sample of today's medical student

**W**ILHELM DOOS is in his first year of medical school. As a freshman, his program is almost completely devoted to the study of anatomy and physiology. Wilhelm, who received a B.S. in chemistry from the University last June, finds this first year is much like undergraduate school, only more intense. He spends long hours in the classroom and in the laboratory and, as he explains it, "It's a grind. You have to get yourself in a study rut."

However, even with the extra studying, he has managed to maintain some of his outside-the-classroom interests. This year Wilhelm is a housefellow at Sallery Hall, for which he receives room, board, and tuition. He is also on the board of directors of his undergraduate fraternity, where he attends an occasional Saturday night party. In addition, he works part-time at the Veteran's Administration Hospital.

Although he now calls Milwaukee his home, Wilhelm was born in Donetsk, Russia and lived in Germany before his family, fleeing from communism, came to this country in 1951. As a result, he has a fluent knowledge of the Russian language and can read German.

It is still too early to be certain, but Wilhelm feels that he would eventually like to concentrate on the study of neurology and to work at a private practice while maintaining some connection with a hospital somewhere in the eastern United States.

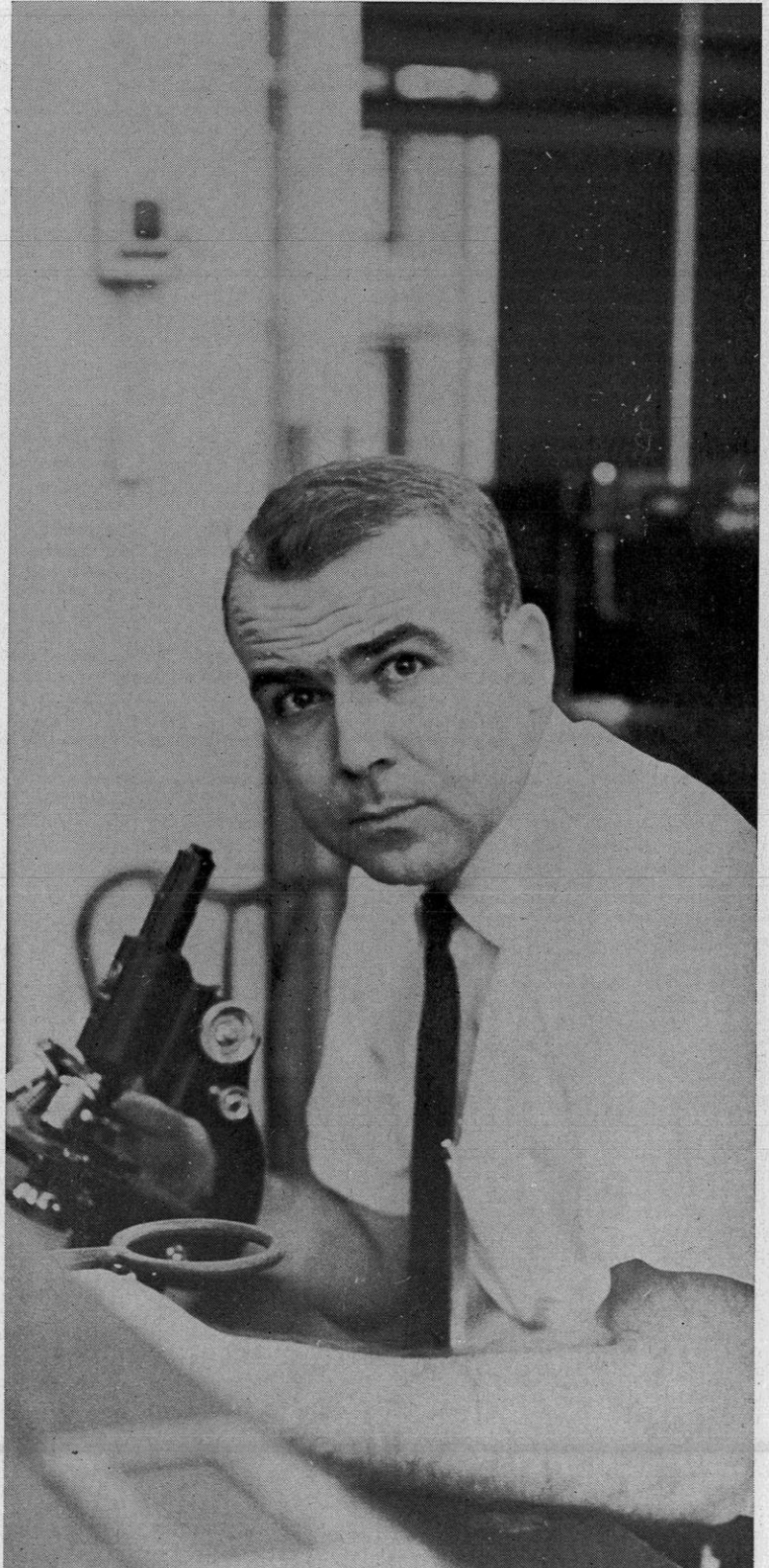
He is pleased with the teaching he has been exposed to during his first semester in the Medical School. "They give you a wide background of all the medical sciences," he explains. "By the time you're through, you should know what particular branch of medicine you want to specialize in."



**E**ARL L. COBB is a sophomore in the Medical School. At 28, he's older than most of the students in the sophomore class. He's older because he didn't decide he wanted to be a doctor until he had been out of school (University of California at Berkeley) and in the Army. The Army doctor who delivered his son, now 4 years old, served as the primary inspiration behind Earl's decision to enter medicine. But even then, it was another two years before he actually did decide to make medicine a career. After the Army, Earl spent some time as a management trainee with the Union Oil Company before coming to the University of Wisconsin.

He hasn't regretted his decision. "The more I get into medicine, the more I like it," he says. Earl has decided that he would like to take an internship and a two-year residency in general practice when he finishes Medical School. In the meantime, he is busy with his second year studies which, like the freshman year, are spent primarily in the laboratory. His courses are centered around a thorough briefing on the examination of patients and a heavy concentration on pathology. Supplementary study includes such subjects as microbiology, preventive medicine, psychiatry, the history of medicine, medical genetics, and pharmacology.

As far as financing his medical education, Earl explains that "My wife (who is a teacher) is my scholarship." However, Mrs. Cobb is now expecting their second child and Earl says that this development makes it necessary to borrow funds. "It's the first year I've had to go into debt to finance my education," he explains. During the past two summers, he has done research to earn money and hopes to work on an externship this summer to help pay the bills.





**K**EITH SPERLING is in his third year at the UW Medical School. A Madison native, Keith majored in psychology at the University before entering Medical School. He finds that his third year of study is especially intriguing because he spends only a minimum amount of time in the classroom and a great deal of the time in hospital wards working with patients.

“Once you get to the point where you’re developing a doctor-patient relationship, Medical School becomes really rewarding,” he says. During the three eleven-week sessions of his junior year, Keith is being given introductory work in four basic areas: surgery and surgical specialties, pediatrics, psychiatry, and medicine and medical specialties. Currently, he is taking training at the University’s Children’s Hospital where he works with incoming patients and regularly consults with staff doctors on the treatment and care of the patients. In this way, he is actually participating in many medical decisions and has an opportunity to experience the demands—both in terms of time and knowledge—placed on a doctor.

At this point in his education, Keith Sperling says that he is looking for variety in his medical career. He wants to work at clinical medicine, but he also would like to teach, preferably in a good university hospital in the west where he can pursue his non-medical interests—hunting and fishing.

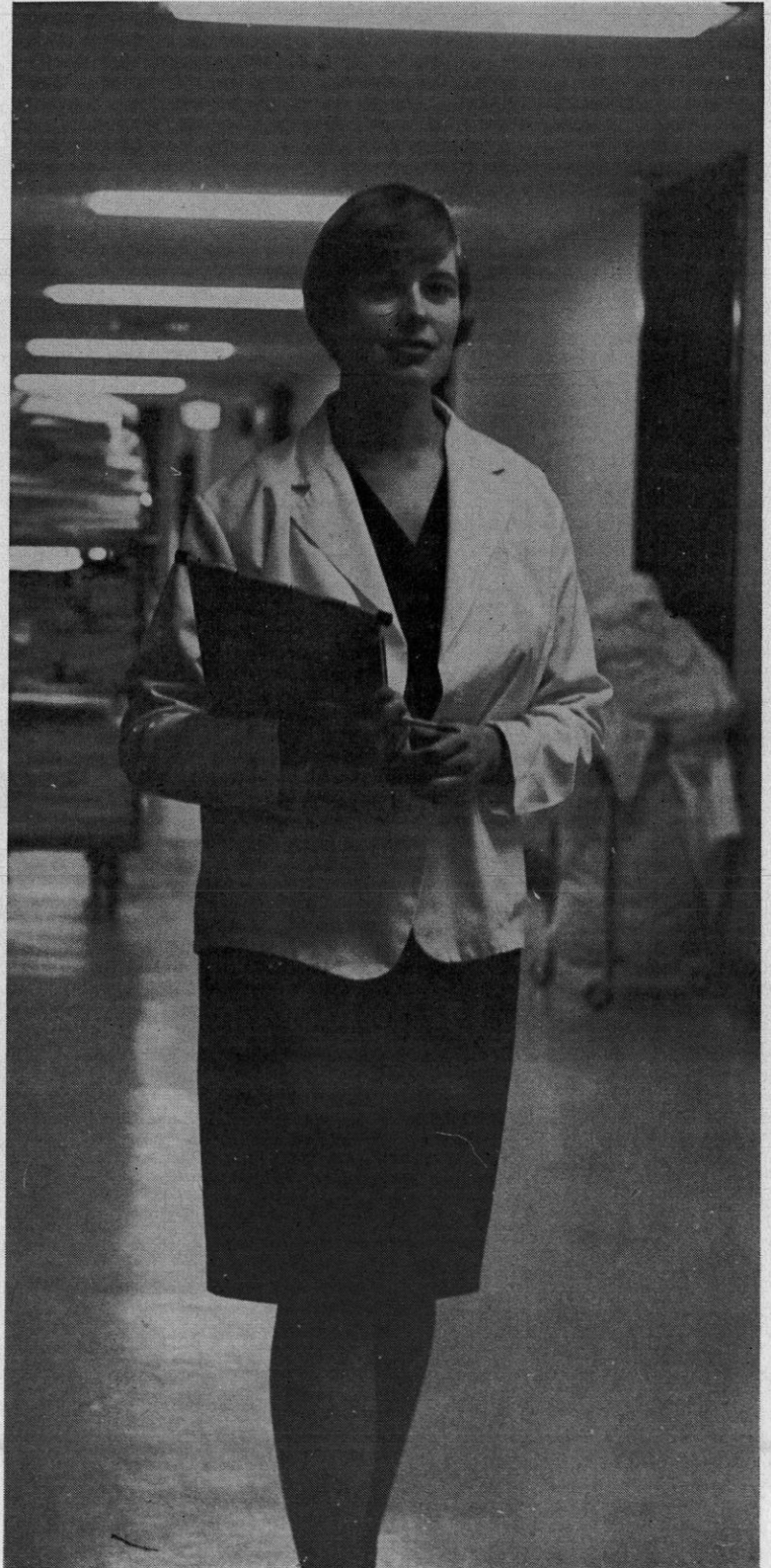
When asked why he chose medicine as a career, Keith responded, “I suppose it’s for the opportunity to work with many different kinds of people who have medical problems. And for the humanitarian reasons—it’s gratifying when you know you can actually help someone.”

**JANET HOVELAND** is a senior medical student from Cottage Grove, Wis. She is one of four women in her class and confesses that the fact she is a woman has posed no particular problems in the course of her studies for an M.D. degree.

During her senior year, Janet has been spending 12-week periods studying in four general areas designed to give the medical student experience in the various branches of medical practice. The first three of the 12-week sessions have been devoted to: medicine and medical specialties (cardiology, dermatology, preventive medicine, out-patient treatment, etc.); surgery; and gynecology, obstetrics, pediatrics; and neurology. In March, Janet will go to Marshfield where she will serve a preceptorship under a licensed physician. This phase of the final year is designed to give the student a firsthand look at the functioning of a private practice. Following graduation, Janet will have to serve a year's internship and she has applied to hospitals in the Minneapolis-St. Paul area because she prefers the Midwest.

Starting out as a home economics major, Janet graduated from the University in 1961 and then went in to Medical School. She worked part-time through her first four years of college, but has financed most of her medical education through loans; although, her parents did help pay for her second year in Medical School.

Janet has not yet decided whether she will go on to specialize in a certain field of medicine. "I've always been interested in the biological sciences," she says, and feels that she would like to gain more experience in the sciences before making a decision to concentrate on a particular branch of medicine.





Today's farmer is no longer a simple tiller of the soil—he must be able to operate a complex business that demands a high level of performance in a number of specialized areas.

## The Farmer:

# A VANISHING AMERICAN?

**I**N OUR highly urbanized, increasingly automated society, the farmer, like the Indian, is becoming somewhat of a vanishing American. Technological advances and the establishment of a complex society have tended to crowd the farmer out and he has discovered that his own productivity has created problems neither he or his government was prepared to handle.

And there are other problems.

Noble Clark, who has just completed a personally-conducted study of young farmers in five Midwestern states, reports that many of the young men in his survey cite lack of knowledge of economics and farm management as a serious handicap to them in their farming operations.

Clark, former associate director of the UW Agricultural Experiment Station, explained his project to a recent class of freshmen in agricul-

ture at the University. He said, "Every farm boy entering high school should be encouraged and helped to complete all of the education he is capable of using effectively."

Clark continued, "Because commercial farming today requires skill and specialized training, not only in science and technology, but particularly in economics and management, the completion of four years of vocational agriculture instruction in high school is far short of an adequate education for the manager of a \$50,000 commercial farm. Thus, vo-ag in high school plus experience on the parents' farm is no longer enough. Operators of commercial farms deserve and should have a college education. Boys 14 to 18 years of age in high school are not mature enough to take interest in courses in economics and business

management. That means additional education."

Clark said, "Farming in 1920, when vo-ag was begun, was a small-scale enterprise. Maybe it was appropriate then to expect four years of vo-ag instruction to equip a young man to be a farm operator. This is not true today."

He said, "The youth who has a realistic expectation of operating an adequate-sized commercial farm as a partner with his parents, or at least with considerable financial assistance from them, and who truly prefers farming as a way to earn his living in the years ahead, should be encouraged to prepare himself as a farm manager. While still in high school he should take courses which will enable him to enter college, preferably an agricultural college, but a school of commerce with electives in agriculture might be

satisfactory too. Vocational agriculture courses in high school can be included in his high school curriculum if he wants them, but vo-ag courses should not be permitted to interfere with the college preparatory courses such as advanced English composition, mathematics, chemistry and physics."

In defense of college training for farm youths, Clark said, "Efficient commercial farming today usually requires the operation of a farm with 200 or more crop acres. Such a farm has a value of \$50,000 to \$20,000 for land, buildings, livestock and equipment under Wisconsin conditions. Management of a farm operation of this character requires infinitely more managerial skill and judgment than farming in previous generations."

In Clark's survey, conducted in Minnesota, Ohio, Indiana, Wisconsin and Iowa, he found that most young men beginning as farmers had almost a complete lack of systematic instruction in business aspects of farm operation. But almost without exception the young men he talked to were insistent that success in commercial farming today is primarily determined by the effectiveness of the operator as a manager.

Commercial family-partnership farms are becoming more and more the pattern in American agriculture, according to Clark. The last agricultural census shows that these kinds of family farms account for an increasing share of total farm output.

Clark feels family type farms operated in father-son partnerships have large advantages to both generations, and represent the best possible foundation for financial soundness and for satisfying rural community living. He said, "It is not now impossible to become a commercial farmer without family assistance, but it is nearly so."

Clark continued that those young people who have bought farms in recent years and now must carry heavy annual interest charges on mortgages at current high prices for land are in trouble.

"It's the young farmers who have paid high prices for land since World War II with little family as-

sistance that are most likely to be in financial stress. They are tempted to join farmer protest movements which, by joint action, aim to compel the public to pay higher prices for farm products. Farmers are anything but united in many communities in Wisconsin and in other states. Relatively recently there has been strife, community after community, among organized farm groups," he pointed out.

He said the basic factors which have contributed to farm distress are not hard to find. "But the facts about them are not particularly palatable or popular with most farmers, most farm organizations, or most politicians living in agricultural districts."

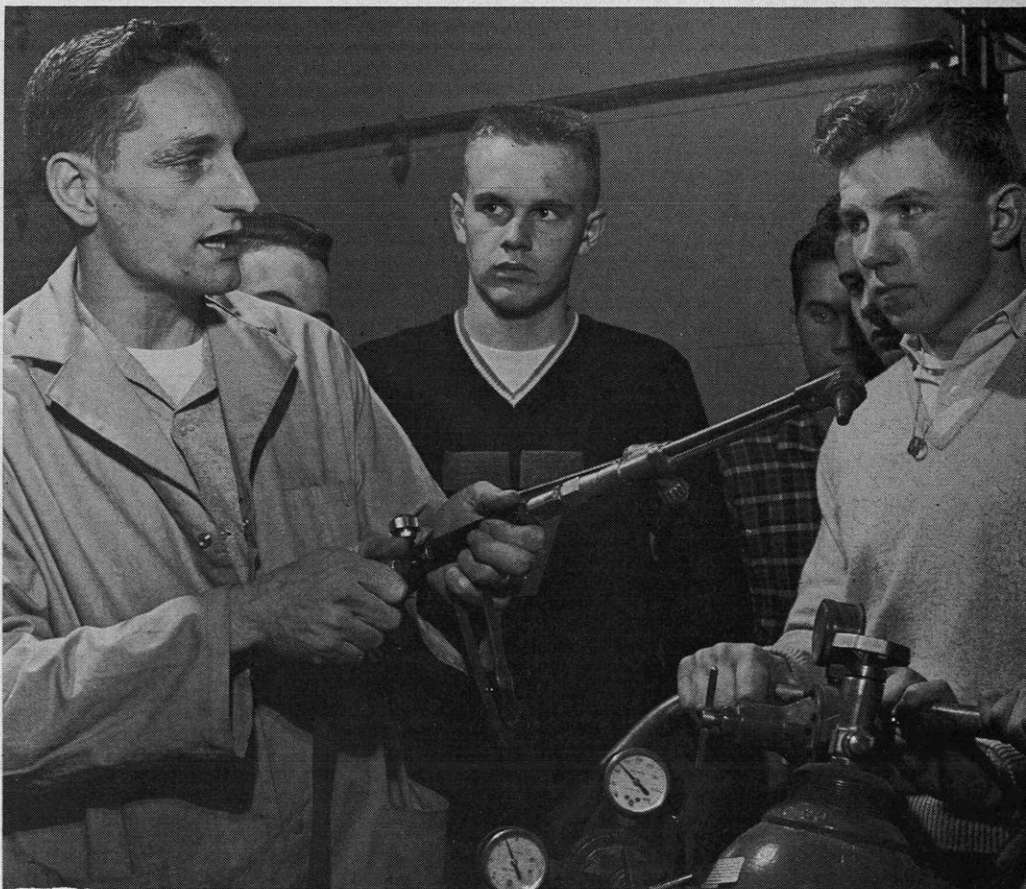
Clark explained that farm land prices have spectacularly increased by about 225 per cent in the period since World War I, and they are still rising. Prices received by farmers for what they sell had a roughly parallel increase until about 1952. Since then they have leveled off, if not decreased. Older farmers, who

acquired their land holdings when land prices were lower, and who do not have a heavy debt to carry now, are in an advantageous position. Farmers under 45 years of age are much more likely to be having trouble making both ends meet in their farm operations, because of their necessity to pay off large sums of land indebtedness. There is now no assurance that the young families which bargain for a \$50,000 to \$100,000 commercial farm can count on attaining financial security. The obstacles are greater every year, and few are likely to succeed unless they have some kind of family assistance.

Clark said, "Public agencies must give farm boys information which they urgently need before they get through high school and find that it is nearly impossible to set up a farm operation, and further, that they have no training for any vocation except farming."

"All too often the young farm men, who have no skill except farm ex-

Courses in welding have become a regular part of the vocational preparation necessary for successful farming operations.



perience, can find no opportunity to farm." Clark emphasized, "This should not, and need not, happen. With the vocational guidance specialists in our high schools rests much of the opportunity and responsibility to see that it does not continue to happen."

CLARK labels as "tragic" the migration to the city in search of employment of many young farm men who are unqualified for anything but unskilled labor.

Clark feels, and he told the students at the University, "Extra expenditures by government to provide agricultural education such as 4-H club work, vocational agriculture in high schools, agricultural extension education, and instruction in colleges of agriculture have unquestionably been a major influence in bringing about spectacular increases in production of farm crops and livestock. But this same environment has not stimulated enough young people on farms to seek and to secure the level of training they need for their future employment; or to obtain a broad education in science, economics, history, and the humanities. Their urban cousins are far ahead of them in the kind of education that widens their knowledge, and which helps people to comprehend and to adjust to the worldwide changes occurring today."

Clark said he feels the high school student from a farm who cannot count on substantial family assistance in becoming established in commercial farming should be encouraged to secure the maximum amount of education which he is capable of using effectively. For many students this will mean taking a college preparatory course in high school. On graduating he can choose to take the college work which most nearly fits his desires and his capabilities.

For the students from farms who lack interest in higher education, or have inadequate confidence in their ability to carry college work successfully, Clark feels the vocational guidance specialist should advise

some sort of non-academic vocational training during or after the four years of high school attendance. Wisconsin and other states are now in the midst of building vocational schools located so that they will be in easy commuting distance, usually not over 30 to 40 miles, from all prospective students.

The high school student from a farm, but who does not intend to be a farm operator, may want to take some vocational agriculture subjects in high school, but these vo-ag courses should not be permitted to interfere with the high school studies which will help him secure non-farm employment, Clark said.

Clark cited data from the last census which show that among the nation's city people over 25 years of age, 36 per cent had not gone beyond 8th grade. For the state of Wisconsin the figure was 37.4 per cent. With farm people, the U.S. average was 55 per cent and the Wisconsin average was 60.3 per cent. Only 4.4 per cent of Wisconsin farm males 25 years or older, in 1960 had ever attended any college, in contrast with 18.6 per cent of all urban people.

He said, "These census data add Wisconsin, and particularly those associated with farming."

He concluded, "Wisconsin's low score in education, especially for farm males, indicates a clear need for more adequate plans, facilities, and public action." Clark feels that nothing short of a major change in the educational systems for training farm youths will meet the needs of the situation. All farm youth, 18 to 22 years of age will need to spend this period of their lives in college, or in some kind of vocational training, if they are to make the most of their inherent capabilities.

It is rare that local employment opportunities for young men this age can supply wages, job security, or assurance of future increases in pay that will anywhere near compensate for the absence of specialized education or training they must have if they are to compete with those who have spent these years in preparation for their life work.

MANY PEOPLE, influenced by hearsay rather than fact, are coming to believe that the cost of a university education is something they cannot afford for their children.

Wallace Douma, director of Student Financial Aids on the Madison campus, would like to have the opportunity to tell these people how they actually can finance the cost of an education.

"We are well on the way to the point where no qualified Wisconsin student will be denied an education because of lack of funds," Douma states.

The Student Financial Aids office was reorganized last fall to help this promise become a reality. Under its present structure, the office is comprised of three divisions: loans, scholarships, and student employment.

Each of these separate divisions is designed to provide UW students with a means of securing financial assistance to help pay for the cost of a university education.

When the student makes an application for assistance, the Financial Aids office reviews the application. Next, they arrange for an interview with the student. "Our approach to providing assistance is through counseling," Douma explains. "We try to determine the student's particular needs and to make recommendations on how we can help."

"We want and encourage students who have financial problems to

SCHOLARSHIP?

LOAN?

JOB?

## FINANCING A COLLEGE EDUCATION

come to us for help. We want each student to do some long-range planning, some thinking about their educational budget. Many times we help students by simply asking them to sit down and plot out a reasonable educational budget. They often find by doing this that they can afford more than they thought they could."

If the student has an excellent academic record and the need factor is high, he is generally recommended for scholarship assistance.

If his parents can afford to send him to school and he wants extra money to pay for some of the non-essentials of college life, he is encouraged to take part-time work.

Last year, a total of 2,583 scholarships awards in the amount of \$943,704 were made to 2,316 undergraduate and professional students on the University's Madison, Milwaukee, and Center campuses.

Scholarships given by the country's colleges and universities are relative. The average cost of a year

at the University is \$1700, while the average scholarship offered by the University is just over \$400.

However, this average figure is not an accurate measure. If a student is offered a full-tuition scholarship to a particular school, the face value of the scholarship is usually greater than what Wisconsin can offer. But the amount of education it will buy is generally the same. The student still has to pay the auxiliary costs—room, board, books, transportation, etc.—connected with going to

Wallace Douma, director of Student Financial Aids, reviews a student's case with Mrs. Lilas Voigt, administrative assistant.





college, and out-of-pocket expenses remain the same regardless of which school the student attends.

One of the difficulties faced by the Financial Aids office in this respect is that it is hamstrung by the types of scholarships it has to offer. Many of these scholarships are of the fee-remission type and thus the University can help only to the extent of \$300 when the applicant may actually need \$800 or \$1000.

"What we need is more cash scholarships to add to the general fund," Douma says. "This will give us more flexibility in distributing scholarships and allow us to come closer to meeting the student's need."

Student employment is another big aspect of the Financial Aids picture. More than 3,500 UW students are currently engaged in some form of part-time work.

The Financial Aids office hopes to increase the dimension of its program in this area. "We're trying to develop new jobs on the campus," Douma explains. "It's our hope that we'll soon be in a position to give a job to any student who wants one."

"We're also working on another aspect of student employment—finding full-time summer jobs. We have been working with businesses and organizations in the Milwaukee area and had a certain amount of success in placing students last summer."

"Also, we hope to fit some of our students into a year-round job. Under this plan, they would work full-time during the summer and then continue in the same job on a part-time basis during the school year."

"We've also developed a Work-Study program which is designed to accommodate students coming from low income families (below \$6,000 annual income). Under this program, we're planning to go into Wisconsin high schools and work with guidance counselors so they will encourage students and their families who don't think a university education is within their means to come and work their way through school. By combining this with a loan (and/or scholarship) they can plan to go on to school."

Loans are considered the least

preferable way of financing an education. "We don't want the student to assume a debt if we can help him in any other way," Douma comments.

"But, if after evaluating the student's needs, it seems that a loan would be the best thing for him, we encourage him to go ahead."

A large number of student loan programs are available. Among the major ones are the State of Wisconsin Loan Fund, the National Defense Student Loan Program, and the University Student Loan Funds.

Under the State Loan Fund, a student may apply for up to \$750 each school year and \$250 each summer session to a \$5,000 maximum. The interest rate is one per cent per year while in school and five per cent after leaving school. The first loan is due one year after the student leaves school, with other loans falling due in successive years.

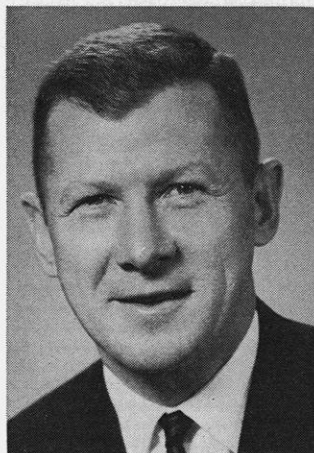
The National Defense Student Loan Program provides that a student who qualifies may borrow up to \$1,000 a year to a maximum of \$5,000 or \$2,500 a year and a \$10,000 maximum for graduate and professional students starting July 1, 1965. Interest is three per cent annually, starting one year after graduation, with 11 years after leaving school to repay. For those becoming teach-

ers, 10 per cent of the total loan can be cancelled each year, up to a maximum of 50 per cent. A similar program is now also available for these students entering nursing.

The University Student Loan Funds have been established by gifts to the University. Loans normally are available to undergraduate and graduate students up to \$500 at an average interest rate of three per cent.

As Douma points out, "some form of financial aid is all but imperative for the student who can't afford to provide the cost of his education. We're pretty well past the day when a student could work his way through college. If he does pay the cost of his education through working, he almost never completes his requirements for a degree in four years time."

Douma stresses the fact that the Student Financial Aids office exists for the sole reason of helping students pay their way through the University. It accomplishes this by a three-fold program which offers: 1) a package program of scholarships, employment, and loans; 2) counseling the student on the best method of financial aid for his particular circumstances; and 3) making the best use of a large supply of financial resources.



## 1 OUT OF 3

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MILWAUKEE, WISCONSIN  
"BECAUSE THERE IS A DIFFERENCE"

# Badger Teams Have Slow First Semester

WISCONSIN winter sports teams went into the semester exam break with varying records of success. Top performers for the first half of the winter season were George Martin's wrestlers, who posted a 5-0 record, and George Bauer's gymnastics team which won five meets while losing only one. The swimmers closed out the semester with a 1-1 record with the bulk of their competition to come during the second semester.

The basketball team completed its first semester of action when it lost a 59-58 decision to Marquette. It was the Warriors' first win at Madison since the 1958 season and, coupled with an earlier 62-61 victory over the Badgers in the Milwaukee Classic's third place game, marked the first time since the 1937-38 season that a Wisconsin basketball team had lost twice to Marquette in the same season.

The Badger cagers were 5-6 at the semester intermission. Bright spots in the first half of the campaign were a 76-66 upset of Purdue and a second place finish in the Hawaiian Holiday Tournament at Honolulu.

High scorer for Wisconsin through the first eleven games was center Mark Zubor who dumped in 183 points for a 16.6 average. Other scoring leaders were forward Ken Gustafson (118) and sharpshooting guard Jim Bohlen (109).

As the Badgers moved into the second half of the season, coach John Erickson's main problem was finding a quintet that could come up with a consistent pattern of play. Through the first half of the season, fifteen Badger cagers saw game action as the coach searched for the right combination. Most promising of the new faces in the lineup belonged to sophomores Keith Stelter, forward, and Dennis Sweeney, guard.

The ice hockey team, in its second year of renewed intercollegiate

competition, posted a 6-6 record. After jumping off to a promising start, the Wisconsin skaters were overwhelmed by Michigan State, Minnesota, and Colorado College. Leading scorer for the Badgers during the first part of the season was Jim Petruzates with 12 goals and 10 assists.

The fencers, who have been rebuilding for the last couple of years, carved out a 2-3 record. Rich Bauman, Milwaukee, had the best individual record at 13-2 in epee.

The appearance of the indoor track team at the beginning of the second semester and action on all other fronts promised plenty of continuing action for Badger sports fans through the winter.

## Former Badger Quarterback Joins Football Staff

JOHN COATTA, a former star Badger quarterback, is returning to the University as an assistant coach, Ivan B. Williamson, athletic director, has announced.

Coatta's appointment to Coach Milt Bruhn's football staff completes the organization of the staff for the 1965 season. John has been a member of the Florida State University football staff the past six seasons. He left private business in Madison in 1959 to accept an assistant coaching job at the Tallahassee, Florida school when former Wisconsin assistant coach Perry Moss was named head coach at Florida State.

Coatta proved to be a versatile and well-liked member of the Florida State football staff. Under Moss he was defensive backfield

coach, and when the current Florida State coach, Bill Peterson, took over in 1960, John became offensive backfield coach.

This past season Florida State compiled an 8-1-1 winning record, plus a convincing 36-19 win over Oklahoma in the Gator Bowl, with Coatta accepting a new assignment as coach of the ends and linebackers.

High praise for the Wisconsin graduate—who earned a B.A. and an M.A. in Physical Education—comes from his head coach Bill Peterson, who says "John is the most valuable and versatile member of my staff."

Coatta was a highly effective short passer during the three years he played for Wisconsin and still holds the Big Ten record for completion accuracy of .642 set in 1950 on 52 completions in 81 attempts in seven conference games. Against Ohio State in 1950 he threw ten straight completions in a 19-14 loss to the Buckeyes in as fierce a game as ever played between two Big Ten schools, and in 1951 at Illinois he completed 19 passes in 32 attempts for 164 yards though Wisconsin lost 14-10.

A teammate on the 1951 squad which affectionately is known as the "Hard Rocks" in Wisconsin football lore is current Badger staff member Deral Teteak, then a linebacker for the Badgers.

## Announce Harry Stuhldreher Memorial Fund

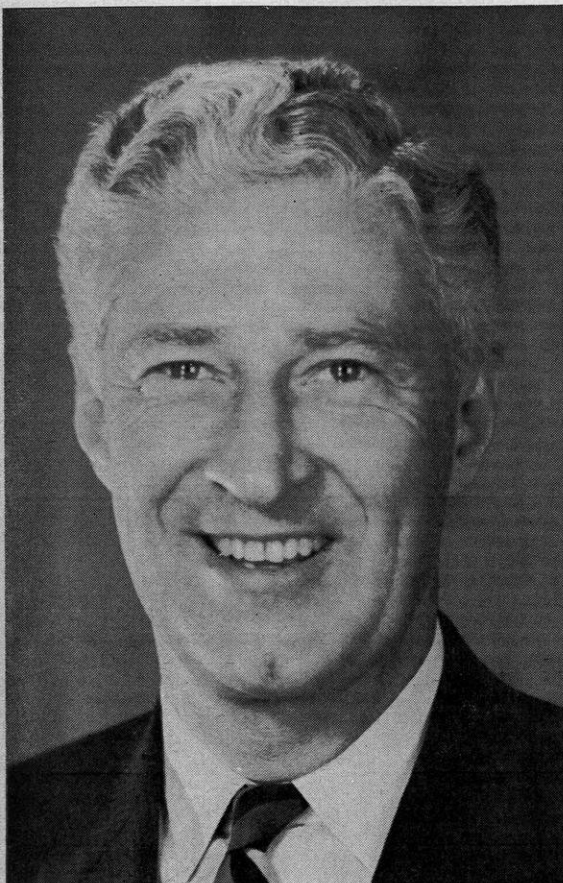
The University of Wisconsin Foundation has announced that it is accepting gifts in memory of Harry A. Stuhldreher, former Badger football coach and athletic director, who died Jan. 26 in Pittsburgh.

The use of the memorial gifts will be determined at a later date, but friends may send contributions to the University of Wisconsin Foundation, P. O. Box 5025, Madison 53705.

### VAGABOND RANCH

Granby, Colorado. That "something new and different" for boys 12-17 who have outgrown "camp." Stimulating, constructive program combines western ranch activities with travel. Caravan West in June. Ranch at 9200 ft. Riding, pack trips, climbing school, geology, gold mine, fishing, riflery, skiing, local and activity trips, work program. Elective longer trips all over West. 19th season, veteran staff. Separate western travel program, girls 14-18. For Folder and '65 prospectus, write:

MR. & MRS. C. A. PAVEK  
Rumsey Hall School Washington, Conn.



**O**LD Alumni Association presidents don't just fade away, they sometimes become governor of the state. That's what happened to Warren P. Knowles '33, who was president of the Association in 1952-53. Knowles, who beat out incumbent John Reynolds '47 in the November election, was formally inaugurated on January 4.

Warren Knowles is hardly the first Wisconsin alumnus to be elected to the state's highest office, but he is certainly the first Alumni Association past-president to receive the honor.

No stranger to the State Capitol, Gov. Knowles got his first indoctrination in the ways of the law-making process when he served as a page in the Legislature during the time he was studying for his law degree at the University. In 1940, after becoming associated in the practice of law with W. T. Doar in New Richmond, Wisconsin, Gov. Knowles was elected to the Wisconsin Senate from the 10th District. He served as a State Senator until 1953, and was

floor leader of the Republican majority during the last ten years he was in office.

During his time in the Wisconsin Legislature, Gov. Knowles was the author of legislation creating the Department of Veterans' Affairs, the Wisconsin Turnpike Commission, the Long-Range Building Corporation, and the Legislative Council, which he served as its first chairman. After his active career in the Legislature, he served as Lieutenant Governor of the state for six years; from 1955-59, and 1961-63.

Besides his governmental and legal interests, Wisconsin's new governor has shown a continuing interest in the University and has been active in the Kiwanis Club.

During World War II, Gov. Knowles served as a lieutenant in the U.S. Navy and saw considerable action aboard the USS Nevada during the invasions of Attu, Normandy, and Southern France.

Knowles is married to the former Dorothy Guidry.

## ***Alumni News***

### **Up to 1900**

Adeline Jenney '99 was recently named recipient of the WCCO (Minneapolis-St. Paul) Radio "Good Neighbor Award." Miss Jenney, who was active for many years in the activities of the Red Cross, Campfire Girls, and Girl Scouts, is editor of *Pasque Petals* and has been proclaimed poet laureate of South Dakota.

### **1900-1910**

Retired from a distinguished career in law in Chicago, William H. Haight '03 now resides in Cambridge, Wis. He and his wife were recently the subjects of a feature in the *Capital Times* for their unusual hobby of making jelly from wild fruit which Mr. Haight gathers in the Cambridge area.

Scott H. Goodnight '05, UW dean of men from 1916 to 1945, celebrated his 90th birthday in January. He still enjoys good health, and friends report "he can still recite poetry for 45 minutes without referring to a note and still drives his own car."

Evarts H. Blakeslee '07, owner of E. H. Blakeslee Construction Co., Great Falls, Montana, has been recommended for inclusion in the *Britania Ltd.* 1964-65 Edi-

tion of *Leading Men in the United States of America*.

Dr. Herman Blum '08 heads two family textile manufacturing companies in Philadelphia. His 85 year old home is Blumhaven library and gallery, a stately mansion with all three floors crammed with collections of Lincoliana, historic textiles, ancient writings, early Bibles, and other memorabilia.

Louis G. Arnold '09, Eau Claire, was presented recently the Engineer of the Month award by the Northwest Chapter of the Wisconsin Society of Professional Engineers.

Arthur A. Pergande '10 took part in a world tour for retired employees of the General Electric Co., in which he had held a top position before retiring 11 years ago. While on the tour, he got together with two of the living members of the Japanese university baseball team whom he had played against on a goodwill tour by a 16-member UW group that traveled to the Orient 55 years ago.

Aaron Arkin '10 is emeritus professor of medicine, University of Illinois; professor of medicine, Cook County Graduate School; trustee of Hiktoen Institute for Medical Research; in teaching and practice of internal medicine and cardiology for the past 40 years; author of researches in medicine.

Ben F. Springer '10 was honored recently in Toronto, Ont. at the annual meeting of Hoo-Hoo International, world-

wide organization of 12,000 lumbermen which derives its name from the lost woodsman's cry for help. The Milwaukee native is stepping down from his position as secretary of the organization, held since 1942.

### **1911-1920**

Prof. and Mrs. Andrew T. Weaver '11 are living in South Laguna, Calif., where Prof. Weaver is a visiting professor of speech at UCLA for the second semester.

Alexander Ely '12 retired in December after long service as Dane County surveyor.

Dr. Robin C. Buerki '15 has retired from executive directorship of Henry Ford Hospital on January 1. Noted as "one of the very best hospital administrators in the country," Buerki will still be a consultant and member of the board of trustees.

A gift of \$3,600 in honor of Milo K. Swanton '16, executive secretary of the Wisconsin Council of Agriculture Cooperatives, who retired last summer, has been accepted by the UW Board of Regents. The fund will be used to purchase books and manuscripts on cooperatives for the College of Agriculture library.

Evan P. Helfaer '20, former president of Lakeside Laboratories, Milwaukee pharmaceutical firm, has made a gift totalling \$60,000 to the University, of which \$25,000 was designated for the Elvehjem Art

Center campaign fund and \$35,000 for scholarships.

**1921-1930**

**Mr. and Mrs. Erick Sobota (Mary Elizabeth Stork '21)** departed from their hometown Milwaukee for Ethiopia in January as Peace Corps volunteers.

**Robert J. Crowley '22**, staff assistant in the packaging sales division of the Du Pont Company's film department, retired in December, ending a career of almost 34 years with the firm. He lives in Wilmington, Del.

**J. Vincent Conlin '23**, Madison district manager of Pitney-Bowes, Inc., has retired after 17 years of service with the company. He and his wife will continue to live in Madison at 4333 Wakefield St. in Midvale Heights.

**Prof. G. William Longenecker '24** has been elected president of the Wisconsin Society of Landscape Architects.

Publication of the handbook **Planning and Operating College Unions** by **Porter Butts '24**, UW Union director, was announced recently by the International Association of College Unions.

**Col. Herman H. Shapiro '24**, commanding officer of the 44th General Hospital, Madison Army Reserve hospital unit, was honored at a dinner in December on the occasion of his retirement from the Reserve. Shapiro is a professor at the UW Medical School.

**Raymond B. Sawyer '25** has retired from the department of physics at Lehigh University and has joined the Center for the Emeriti, Inter American University, San German, Puerto Rico, where he will continue to teach physics.

**Dr. Clifford D. Benson '26** was elected a member of the British Association of Pediatric Surgeons at its meeting held recently in Rotterdam, Holland. The chief of surgical services at Detroit Children's Hospital is only the tenth U.S. surgeon to be honored in this way.

**Dr. Milo O. Lundt '26** was recently elected head of the Elkhart County Medical Society. He is a leading surgeon and specialist on urinary diseases in Northern Indiana.

**Dean Kurt F. Wendt '27**, UW College of Engineering, recently received the Roy W. Crum Distinguished Service Award of the National Highway Research Board in Washington, D.C.

**Gladys Bahr '27**, New Trier Township High School, Winnetka, Illinois, has been selected recipient of the 1964 John Robert Gregg Award in Business Education, presented at the annual banquet of the North-Central Business Education Association.

**H. I. Romnes '28** has been elected president of American Telephone & Telegraph Co., effective January 1.

**Dr. Edith M. Parkhill '28**, consultant in surgical pathology in the Mayo Clinic, Rochester, Minn., has been advanced from the grade of assistant professor to that of

associate professor of pathology in the Mayo Graduate School of Medicine, University of Minnesota at Rochester.

**Miss Arline Findorff '29** now lives at 5270 Chelsea Avenue, LaJolla, Calif.

**Ralph J. Kraut '30**, president of Giddings and Lewis Machine Tool Company of Fond du Lac, has been elected to the

board of directors of Harnischfeger Corp., Milwaukee based heavy equipment firm.

**1931-1940**

**Dr. W. L. Waskow '31**, Madison, has been elected president of the Dane County Humane Society.

**Prof. Aaron J. Ihde '31**, UW chemist

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# WISCONSIN WOMEN'S DAY

The panels have been announced for the fifth annual Wisconsin Women's Day which is to be held on the Madison campus, Thursday, April 29. Printed below is a listing of the five panels and the principal participants. Supplementing the discussion panels will be a luncheon program put on by the Opera Workshop under the direction of Prof. Karlos Moser, and a tour of one of the new Southeast dormitories.

Why not join the many Wisconsin women who will be attending this outstanding event? Use the convenient blank and make your reservation NOW!

## THE PANELS

**A-ARTS:** Prof. Helen C. White, chairman; Prof. James Watrous, discussing the Elvehjem Art Center; and Prof. Lowell Manfull, speech, and his wife, Helen, giving a reading.

**B-SCIENCES:** Agriculture Dean Glenn Pound, chairman; Prof. J. Barkley Rosser, director, Math Research Center, and Medical School Dean James Crow.

**C-EDUCATION:** Education Dean Lindley Stiles, chairman; Dr. Verna Carley and Prof. Andreas Kasamias, both of the School of Education.

**D-ECONOMICS:** Prof. W. D. Knight, commerce, chairman; Prof. Frank Graner and Prof. William K. Glade, commerce, and Prof. Everett Hawkins, economics.

**E-CAMPUS LIVING:** Dean Martha Peterson, chairman; and selected student leaders.

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Wisconsin Women's Day  
Wisconsin Center  
702 Langdon Street  
Madison, Wisconsin 53706

Here is my reservation(s) for the Fifth Annual Wisconsin Women's Day to be held on the campus April 29, 1965. I enclose ..... at \$3.50 per ticket (includes registration fee, coffee, and luncheon). Make checks payable to Wisconsin Women's Day.

Name .....  
(Maiden Name, if married) .....  
Address .....  
City ..... State ..... ZIP .....

Circle two panel preferences: A B C D E  
Reservation Deadline: April 26

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and science historian, is author of a book published by Harper & Row. *The Development of Modern Chemistry* is the product of 15 years of work.

**Prof. Philip Taft '32**, Brown University, was highly praised by *Business Week* recently for his book, *Organized Labor in American History*, published by Harper & Row.

**H. H. Kieckhefer '33** has accepted a position of sales manager—electronic instruments—apparatus control division, Honeywell, Inc., Minneapolis. He was formerly sales manager of the industrial instruments division of Barber Colman Co., Rockford, Ill.

The sports section of *Chicago Daily News* recently did a feature story on **William Allen (Bill) Nathenson '33**, Loop attorney, relating the above-board and fair-and-square athletic recruiting job he's doing for the UW.

**Bernard C. Reese '35**, president and treasurer of Gardner Baking Co., Madison, has been elected to the Security State Bank board of directors.

**Cedric G. Mickelson '35** has moved from Gary, Ind. to 18738 May Avenue, Homewood, Ill. 60430.

**Desmond D. O'Connell '36** recently was appointed assistant professor of psychology in the School of Medicine, Marquette University.

**Olaf Mickelsen '37** is professor of nutrition at Michigan State University. During World War II, he was a consultant to the Secretary of War, working on the K ration and on studies of the vitamin needs of young men and has been the author of two books and over 100 scientific articles in his field.

Milwaukee banker **Roth S. Schleck '38** has been chosen by Gov. Knowles to be his chief administrative aide.

Supreme Court Justice **Horace W. Wilkie '38** began serving in January the ten-year high court bench term to which he was elected last April. The former member of the State Senate was appointed to the court in 1962 by Gov. Nelson to fill a vacancy caused by the death of Chief Justice Grover Broadfoot, Mondovi.

**Walter Cole '38** has been appointed by Gov. Knowles to the Public Service Commission. He is Wisconsin's former deputy attorney general.

**Charles H. Fenske '38** has been elected president of the Madison Chamber of Commerce.

**Edward W. Larsen '39** has been elected vice president—manufacturing of S. C. Johnson & Son, Inc., Racine.

**Prof. Gerald E. Annin '39**, UW turkey marketing specialist and secretary of the Wisconsin Turkey Federation, has retired after 37 years on the UW staff.

**R. E. Wright '40**, director of process design, project management and international engineering for Monsanto, a Delaware corporation, has been named president of the newly created Monsanto International Engineering Company.

## 1941-1945

**Dr. David Perlman '41**, research associate at the Squibb Institute for Medical Research, New Brunswick, N.J., has been elected 1965 chairman of the American Chemical Society's Division of Microbial Chemistry and Technology.

**Willard H. Gehrke '42**, former director of research & development for the American Can Company at Neenah, Wis., has been appointed director, rigid container research, at the Company's research facilities at Barrington, Ill.

**A. Kermit Frater '42**, principal of Marquette School in Madison, married Betty Rae Warner, St. Louis, Mo. in December.

**Mrs. Mabel Murphy Smythe '42**, principal of the new Lincoln School, New York, has just returned from a world-wide UNESCO conference in Paris. Noted for her work in progressive, informal education, she was appointed to the U.S. Advisory Commission on International Education and Cultural Affairs by Pres. Kennedy in 1961.

**Miss Dorothy Puestow '43**, Madison, was married to Wisconsin Senator William A. Draheim in December. They are living at 913 Hewitt St., Neenah, Wis.

## 1946-1950

**Frank W. Miller '46** has been named Carr professor of criminal law and administration, Washington University Law School. He will teach and do research in the field of criminal jurisprudence.

UW Prof. **David A. Shannon '46** analyzes the America of the 20's and 30's in his book, *Between the Wars: America, 1919-1941*, a Houghton Mifflin paperback published recently.

**Arthur Wellman '47**, recently featured in the *Wisconsin State Journal*, is president of Provident Savings and Loan Assn., Madison, and is president of the Wisconsin State Savings and Loan League.

**Robert E. Sexmith '47** has been appointed general manager of the Western Hemisphere Trade Corp., subsidiary of Anslu International Corp. He will conduct operations from Marinette, Wis.

**W. H. L. Allsopp '48** is employed with the Food and Agriculture Organization as fishery officer in Togo, Africa.

**Kurt E. Herrmann '48** has opened an office as a certified public accountant at 4734 W. Fond du Lac Ave., Milwaukee.

**Walter P. Ziarnik '48** has been appointed commander in the U.S. Navy. He is currently serving as weapons officer aboard the aircraft carrier USS Lexington.

**Prof. Garth K. Voight '48** has been promoted to full professor of forest soils, Yale School of Forestry.

**Robert Emerson Strohman '48** received a Ph.D. in agricultural engineering from Michigan State University at the end of the fall 1964 term.

**Walter J. Hanna '49** has been appointed director of contracts and pricing for Whitaker Corp., Los Angeles.

**A. Paul Bowman '49**, vice president and plant manager of Oscar Mayer and Co., is

general campaign chairman of Madison's 1965 United Givers Fund drive.

**James A. Bowman '49** has been named manager of marketing services for the Anslu Company, Marinette, Wis.

**Dr. and Mrs. William G. Richards '50** (Jean Hansen) announce the birth of Timothy Michael in December.

**Randall P. Harrison '50** earned a Ph.D. in communication at Michigan State University at the end of the fall 1964 term.

**Gerald Thomas Nolan '50** has begun a newly formed partnership in the practice of law in Fort Lauderdale, Fla.

## 1951-1955

**James F. Kress '51** was one of five outstanding young men to be honored by the Wisconsin Junior Chamber of Commerce at Fond du Lac in December. He is president of Green Bay Packaging, Inc.

**Gerald Litwack '51** is co-author of *Actions of Hormones on Molecular Processes*, published by John Wiley & Sons, Inc., New York.

**Jane Elizabeth Billings '52**, Brown County home economics agent, became the bride of Norman Walter Nagel, Rt. 1, Cobb, in December.

**Dr. Maxine E. McDivitt '52**, on leave from 1964-66 from UW School of Economics, is working with the Food and Agriculture Organization teaching nutrition in Home Science Colleges throughout India.

**John Warren Humbert '54** married Kathleen Marie Smiley on Nov. 30. Humbert is a chemical engineer at Allen-Bradley Co., Milwaukee.



**Duane Hopp '55**, instructor at the UW Photo Lab, has been named photographer of the year by the Great Lakes District of the American College Public Relations Association. Hopp, who is a member of the national and state Press Photographer's Association, won first place in a contest made up of 28 of the 201 member institutions from six states—Wisconsin, Minnesota, Michigan, Indiana, Ohio, and Illinois.

**W. Perry Neff '54**, trust officer of Chemical Bank New York Trust Company, has been elected vice president. He and his family reside at Oyster Bay, Long Island.

**Kay Carney '55** is an actress-teacher in New York City, performing in off-Broadway production and directing plays at Hunter College where she teaches.

Attorney **Michael B. Cwayna '55** announces the formation of a new partnership in Amery, Wis. with **Don P. Novitzke '63**.

**William G. Wilson '55** has been appointed laboratory furniture and casework manager for Scientific Products, division of American Hospital Supply Corp., Evanston, Ill. The Wilson family will be moving to the Chicago area from their home in Kansas City, where Wilson had served as a sales representative.

**Harry O. Miller '55** has been named director of group contracts and research for Pacific Mutual Life in Los Angeles.

**Harold L. Thomas '55** has been elected executive vice president of Modern Investments, Inc., stock brokers of Dallas, Texas.

## 1956

**Capt. Robert R. Mills Jr.**, who received a master's degree in nuclear engineering in May, 1964 at North Carolina State, is currently stationed in Thailand. During this one year assignment, his wife (Carol Price) and their three children are residing in Cary, N.C.

**Donald R. Dedow** has been appointed superintendent of a new plant constructed at Packard Electric Division, General Motors Corp., Warren, Ohio.

**Earl B. Krueger**, Algoma, has been named cashier of the Bank of Rio Creek.

## 1957

**Sylvester F. Murray** has been named manager of the Walgreen Drug Store, 403 East Grand Ave., Beloit.

**David E. Hughes**, along with his cousin, **John M. Hughes '61**, has purchased the Kruk Pharmacy at Lancaster, Wis.

## 1959

**Dr. and Mrs. Peter M. Shutkin (Elizabeth Prooslin)** of Mamaroneck, N.Y. announce the birth of their third child and first son, **William Andrew**, on Dec. 16, 1964.

**Bruce R. Ellig** is wage and salary administrator for Chas. Pfizer Pharmaceutical Co., New York City.

**Richard A. Green** received an M.A. degree from Ohio State on December 18.

## 1960

**Lorraine R. Johnson** has accepted a new position as director, occupational therapy at University of Chicago Hospitals and Clinics.

**Donald C. Kvam** has been appointed supervisor of biological research in the Central Research laboratories of the 3M Company, St. Paul.

## 1961

**1st Lt. Henry O. Hefty** has entered U.S. Air Force navigator training at James Connally AFB, Texas.

**Tod Dean** has been named a sales representative for Fenwal Laboratories, serving the Los Angeles territory.

## 1962

**Robert J. Lenz**, tactical officer, Officer Student Detachment at Brooke Army Medical Center, Fort Sam Houston, San Antonio, Texas was recently made first lieutenant. **Col. Harold P. Larson '41**, executive officer, Medical Field Service School, pinned the insignia on Lenz.

**Janet Schiferl** is teaching home economics at Appleton Senior High School.

## 1963

**Thomas Mettlach** is teaching driver education at Seymour High School.

**Lt. and Mrs. Charles J. Zamjahn**, (Charlotte Harris), Fort Carson, Colorado, announce the birth of a son, **Kevin**. Zamjahn recently completed study for an M.A. degree in labor and industrial relations at the University of Illinois.

## 1964

**Catherine Hulder** has left for Ethiopia as a Peace Corps volunteer.

**Sandra E. Sinn** is an executive assistant for the Diener and Dorskind Advertising Agency, New York. She served as chairman of the program for the Multiple Sclerosis Hope Chest ball held Feb. 6 at the Union Club in New York City.

**Keith Hewitt** is working on a school lunch program in Brazil with the Peace Corps.

**2nd Lt. Larry K. Harper** has completed his solo flight in the T-33 jet trainer as a U.S. Air Force pilot trainee at Laughlin AFB, Texas.

**William F. Eustice** has accepted a position as national fieldman for the Holstein-Freisian association for the state of Ohio.

**Michael Burkhart** is teaching mathematics and physics at Zion College in Keta, Ghana.

After three months of intensive training, **Jeffrey Golden** will go to Bogota, Columbia in May, where he will be producer-director with the Colombian National Television system.

**William F. Schanen III** has been named managing editor of Port Publications, Inc., which publishes three Ozaukee County newspapers.

**David R. Olds** has been commissioned a second lieutenant in the U.S. Air Force upon graduation from OTS at Lackland AFB, Texas.

**John C. Gerend** is new head of the personnel department at Beloit Memorial Hospital.

**Pamela Knox** has been appointed PBX service advisor for the Wisconsin Telephone Company in Milwaukee.

**2nd Lt. Howard N. Weiss** has graduated from the course for U.S. Air Force missile launch officers at Sherman AFB, Texas.

**Lynn Bierman** is stationed in Jamaica as a member of the Peace Corps after a month-long training course in the Virgin Islands.

**Mr. and Mrs. Perry J. Armstrong Jr.** are the parents of a son born Dec. 17, named Perry III.

**Stu Langer** has recently joined the staff of WKBW Radio in Buffalo, New York as production director.

**Thomas P. Creagan** has been commissioned a second lieutenant in the U.S. Air Force upon graduation from OTS at Lackland AFB, Texas.

**Fay Keslar and Benjamin M. Cape Jr.** were married in August, 1964. They reside in Evanston, Illinois.

# Newly Married

## 1956

**Carol Lynette Palecek and Howard Lee HOUGUM**, Hewitt.

## 1957

**Carole Grendys and Glenn HARTUNG**, Mt. Prospect, Ill.

**Susan JACOBS and Kenneth Burton Lockhart**, Phoenix, Ariz.

## 1958

**Leslie Anne FRANK and Robert Eugene Rukin**, Madison.

**Eunice Lydia Hooker and Frederick Joseph NAMMACHER**, Hamden, Conn.

**Ann Ivy Dipple and David L. REX**, Blue Mountain Lake, N.Y.

**Margaret Mary Courtney and Marvin L. WEBER**, Milwaukee.

## 1960

**Thereza DeLEMONS and Charles M. METTEL '51**, Rio de Janeiro, Brazil.

**Jacqueline May Richardson and David Glen TOPEL**, E. Lansing, Mich.

## 1961

**Elaine Helen BIERMAN and William Scott Sandilands III**, Madison.

**Deanna Lorraine Relyea and Paul BOYLAN**, Ann Arbor, Mich.

**Brenda Joanne HALFERTY '62 and Louis G. COSENTINE**, Youngstown, Ohio.

**Mary Linda DAHLKE '63 and John K. IGLEHART**, Madison.

## 1962

**Ann Russell CLARK and Byron Everett Johnson**, Madison.

**Lois Ann CUFF and Donald Henry James**, Portage.

**Mrs. Janet SCHWARTZ '59 and Robert D. KING**, Madison.

**Eleanor M. AVERILL '63 and Kenneth KULLMANN**, Madison.

Rae Carol MATHEWSON and John A. Mangos, Berlin, W. Germany.

Sandra Ann SIME and Lyman William Martin, Boscobel.

Joan Stephanie Nagel and Michael J. SPECTOR, Lake Forest, Ill.

Marcia Claire WEIDENKOPF and Hugh A. Solvsberg, Wauwatosa.

## 1963

Leanne Donna Geller and Frederick Michael BORIS, Mequon.

Barbara Lea CHANDLER and Nelson Priddy Westmoreland, Madison.

Leslie DANN and Barry Weinberg, Brooklyn, New York.

Linda Kristina Rudy and James FRY, Jr., Lac du Flambeau.

Karen Alice GALLATI and David Lee Majcen, Sheboygan.

Rebecca Jane Sund and Ronald GROB, Wisconsin Rapids.

Carol Ann Hird and Fred George HEIVILIN, Wauwatosa.

Ellen JENSON and Thomas R. Stevens, Edgerton.

Judith Lynn SACKIN '64 and Jeffrey Laurence KRAVAT, Kansas City, Mo.

Ruth Ann SHRAKE and Dennis Boyd Krueger, Wauwatosa.

Judy Faye LACHMUND and Thomas Robert Meyer, Madison.

Merel Roberta ROBIN and Joel Howard Black, New York City.

Mary Kay Dennis and Dick Dale TETEAK, Beloit.

Emma Louise HENDRICKSON '62 and Ronald Harold TIPPLE, Phillips.

## 1964

Sandra Lee Fifrick and Gerald E. DRAHEIM, Plymouth.

Karen Adele GOEDE and Richard Gordon Boese, Milwaukee.

Janice Marvel HAWKS and John Michael Doroghazi, Owen.

Janet Carol BISHOFBERGER '64 and Robert K. HENDERSON, Madison.

Margaret NEWMAN '64 and Kenneth D. NEWBORG, New York City.

Janice E. QUINN and John V. Thompson, Montello.

Sally Jane Meyer and J. Frederick RUF, Pewaukee.

Rosemary UCCELLO and William Joseph Adams, Madison.

Sandra Ann Woods and Steven W. WOLFGAM, Madison.

Lois Lynne ZILLMAN and Charles Franklin Calkins, S. Milwaukee.

Mrs. I. Myron Felsher '17, (Hannah FELSHER), Chicago, Illinois.

Burnie Oliver HENDERSON '17, Eau Claire.

James Kenneth HEVENER, Sr., '17, St. Paul, Minn.

John Lester REICHERT '17, Chicago, Ill.

Orlo Winfield VAN LONE '17, Jefferson.

Charles Atwater WILSON '17, Lake Nebagamon.

Mrs. Ralph M. Hoskins '18, (Florence B. GRAVENBROCK), San Diego, Calif.

Eber Edward SIMPSON, Jr., '18, Oshkosh.

Randolph Hall RUNDEN '19, Union Grove.

Mrs. Floyd Fisher Hewett '20, (Lucile Adeline NUTTER), Highland Park, Ill.

Mrs. Charles Havens Green '20, (Lela Mary HENDRICKS), Los Gatos, Calif.

Miner McKinley KNAPP '20, Bloomington.

Albert Lee SCHRADER '20, Tucson, Arizona.

Mrs. Charles T. Alexander '21, (Mary Gilliam STINSON), Hammond, Ind.

Harry HANKIN '21, Milwaukee.

Katherine Elna LEES '21, Chicago, Ill.

Spencer Alexander LUCAS '21, Middleton.

Arthur Paul WIESNER '21, Wood.

Mrs. Harry W. Hill, '22, (Ruth Adaline PFEIFER), N. Hollywood, Calif.

Marjorie Roberta HUGUNIN '22, Platteville.

Dr. Sonya Spiesman '22, (Sonya FORTHAL), Salt Lake City, Utah.

Homer V. BRODIE '23, Janesville.

Nils Ylvisaker CLAUSON '23, Bloomer.

Michael William KLEIN '23, Madison.

Mrs. Louis A. Wilhelm '23, (Thenora MUNSON), Madison.

Thomas Howard FORD '24, Erlanger, Ky.

Donald E. McELROY '24, Park Ridge, Ill.

Mrs. Arthur Thexton '24, (Mildred Aileen RIECK), Tucson, Arizona.

Oscar Edward BRIGGS '26, Madison.

Nelson David CONNERS '26, Madison.

Donald HUSEBY '26, Madison.

Le Roy KASTNER '26, Milwaukee.

Merle Peter La CHAPELLE '27, Denver, Colo.

Mrs. Lloyd Morrissette '27, (Muriel G. D. MARKHAM), Alhambra, Calif.

Marshall Everett BRUCE '28, E. St. Louis, Ill.

Mary Leone FALLS '28, Valley Falls, Kansas.

Dwight Louis NORMAN '28, Tucson, Ariz.

Richard Catrow PARSONS '28, La Jolla, Calif.

Kenneth Henry RUDE '28, Milwaukee.

Mrs. Gordon McDougall '29, (Eleanor Alma RITTER), Milwaukee.

William August NIEBUHR '29, La Crosse.

# Necrology

Mrs. Henry Loeprich '00, (Ena Elsbeth KNEY), Madison.

Mrs. Howard David Piper '02, (Clara J. VAN VELZER, Madison.

Florence H. RAMSEY '02, Reedsburg.

Frederick William HUELS '03, Madison.

Emil George KRALOVEC '03, Chicago, Illinois.

Frank Berdette GREEN '04, Stoughton.

Huldah B. HAINKE '04, Los Angeles, Calif.

Rudolph A. KARGES '06, River Falls.

Ira Jay WILSON '06, Clearwater, Fla.

Irving Peter SCHAUS '07, Milwaukee.

John Solon WALBRIDGE '07, Milwaukee.

Oscar Frederick STOTZER '07, Milwaukee.

Herbert John KUELLING '08, Ft. Atkinson.

Ralph Emory LAWRENCE '08, Madison.

Anna Emelie SYFTESTAD '09, Stoughton.

Almeron James HARDY '10, Waukesha.

Alfred PRINZ '10, Milwaukee.

Jay Irving GREENE '11, Clinton.

Victor Emanuel JOHNSON '11, Seattle, Wash.

Alvin W. SCHWARTING '11, Milwaukee.

Arnold Orlando DAHLBERG '12, Seattle, Wash.

Mrs. Russell Churchill Hanchette '12,

(Kadelia Gilbertson JEVNE), Michigan City, Ind.

Herman Jacob KARLEN '12, Crystal Lake, Ill.

Mrs. Edward J. Samp, Sr., '12, (Helen SULLIVAN), Madison.

Mrs. D. I. Cochran '13, (Nellie Eileen BUSSELL), Phoenix, Ariz.

Mrs. Elmer W. Ellefson '13, (Hilda Josephine DANIELSON), Madison.

Stephen Strong GREGORY '13, Winnetka, Ill.

Mrs. William G. Hyde '13, (Jessie POST), Wauwatosa.

Dr. Richard Gray SOUTAR '14, Sacramento, Calif.

Mark Oakley WAITE '14, Fullerton, Calif.

Walter Thelford BOLTON '15, Kirbyville, Texas.

Arthur Robert DRAVES '15, Palm Springs, Calif.

Olive Amy SHEETS '15, State College, Miss.

Jacob Frank HENKEN '16, Racine.

Arthur Isaac KITTLESON '16, Madison.

Leo Neil KIVLIN, Sr., '16, Madison.

Carl Henry KRUEGER '16, Milwaukee.

Mrs. Alma ALLISON '17, Tucson, Arizona.

William Jefferson BLECKWENN '17, Winter Haven, Fla.

Edmund BUEHLER '17, Alma.

Edmund Sewall CHAPMAN '17, Newport Beach, Calif.

Eldon Joseph CASSODAY '30, Caracas, Venezuela.

Orlen Camp DEAN '30, Oak Ridge, Tenn.

Edward Joseph MITTERMEYER '30, Cornell.

Sam Lawrence PACK '30, Los Angeles, Calif.

Martha Fredricka TRULSON '30, Boston, Mass.

James Farquhar HIBBERD '31, San Antonio, Tex.

Edmund Leonard HUBER '31, Milwaukee.

Charles Hector WEST '31, Washington, D. C.

Everett John TESHNOW '32, Racine.

Mrs. Emmert L. WINGERT '32, Madison.

Robert Loomis CROTHERS '33, Madison.

Lloyd EIMERMANN '33, Wauwatosa.

Alice Isabelle OLSON '33, Prairie Farm.

Paul Magnier JOHNSON '34, Winnetka, Ill.

Charles Allen MCGINNIS '34, New York, N. Y.

Albert Davidson NOHR '34, Merrill.

Mrs. Harry R. Panzer '34, (Margaret Estelle HUNT), Madison.

Karl Herman HINRICHS '36, Greendale.

Theodore Carl HEIDTKE '37, Milwaukee.

Bernhard KAUFMAN '37, Milwaukee.

Thomas Jess SANDERSON '37, Portage.

William Joseph COYNE '38, Madison.

Edward Henning NEHLS '38, Urbana, Ill.

Willard Walter WELLHAUSEN '38, Wauwatosa.

Albert Anthony ZEBROWSKI '38, Brookfield.

Lisle DeLos HORTON '41, West Allis.

Robert Gerhardt PETERSEN '44, Viroqua.

Mrs. Edna Jewett SHELTON '44, San Antonio, Texas.

Albert William KLOSSNER '46, Madison.

Mrs. Richard Stanley Donn '48, (Elaine Francine ROSEMAN), Valley Stream, N. Y.

Richard Whitney VESEY '48, Madison.

Mrs. Donald Lintz Wood '48, (Beatrice Eileen BRANDON), Wauwatosa.

Armin Carl BEHNKE '49, Wausau.

James Anthony MORGAN '49, Ft. Atkinson.

John William MESSING, Jr. '50, Morris, Ill.

Kenneth Leo SIGL, '50, Eau Claire.

Mrs. Robert Nemiroff '52, (Lorraine Vivian HANSBERRY), Chicago, Ill.

Donald Erwin SEVERSON '52, Janesville.

John Raulston PRIGMORE '56, San Antonio, Texas.

Bernard Urbain MITCHELL '59, Oxford.

Mary Katherine SCHMEUSZER '62, Madison, New Jersey.

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General Motors hired its first woman designer more than 20 years ago. Originally color and fabric consultants, the young ladies advanced rapidly to full membership in a group effort which now involves the skills of hundreds of people in GM Styling. In the past two decades, the feminine influence has changed many concepts of automotive design.

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