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No. 2 Disease Killer

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JANUARY, 1952



Cancer Research: The University Plays a Vital Role



# WISCONSIN *Alumnus*

The Official Monthly Publication of the Wisconsin Alumni Association for January, 1952

# Serving YOU

## For Twenty-five Years

Yes, for 25 years your Wisconsin Alumni Research Foundation has been serving you, as a citizen of Wisconsin, in many ways, safeguarding the health and well-being of yourself and your family.

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YOUR WISCONSIN ALUMNI RESEARCH FOUNDATION is a non-profit organization which receives and administers patentable inventions voluntarily assigned. All income from invested funds derived through licensing arrangements goes to the University of Wisconsin and is allocated to further research by the University Research Committee.

**WISCONSIN ALUMNI *Research* FOUNDATION**  
MADISON, WISCONSIN

### ★ *What They Say:*

#### COMPULSORY HISTORY

DISCUSSION IS under way at the University of Wisconsin over the proposal that American history be a required subject for all undergraduate students.

It will be a surprise to many people that such a course is not already required. On the theory that students are compelled to take some American history in elementary or high schools the University has made it only an elective. If the study for one reason or another does not awaken further interest in the story of his country's growth and development the student may decide to eliminate it entirely from his college experience.

If it be granted that the development of good citizenship is a principal objective of the University, a thorough understanding of the country's history and of the fundamentals of democratic government is indispensable. Too often the college freshman has arrived at that point without adequate comprehension of the importance of the subject and little or no interest in pursuing it further. Leaving it to such students to decide whether or not to avoid a vital subject which perhaps has failed to interest him isn't the proper method. If he hasn't already developed the interest that he should, the freshman year is none too soon to make the beginning.

To be on the safe side, better make at least one course in American history a requirement at the University. An exception could be made for any that would apply for it and offer to take a test to demonstrate that their knowledge of the subject merits consideration.

—the Superior *Telegram*

MANY THOUGHTFUL people believe that our colleges are turning out too many youths ill equipped and uninspired to be constructive citizens. To meet this, some persons are advocating a remedy—forced study of American history. Of course, the answer can't be that easy. Also, some of the drum beaters for that cure-all are open to suspicion that their real aim is to breed economic and political conformity.

It is true that the known extent of the ignorance of American history among college students does compel attention. But it is also true that indiscriminately putting everybody through the same paces would be unprofitable to many students and a drain on University staff and facilities.

Perhaps freshmen who come up with too little grounding could be sorted out by "attainment examinations," such as the University now offers for exemption from the required courses in English and a foreign language. As a by product, this device would put high schools on their mettle to send up graduates who are prepared to pass. Those who didn't could be made to take the required American history course.

—the Milwaukee *Journal*

#### COED GRADES

WOMEN AS A GROUP, it seems, are superior intellectually to men.

Studies of grades at the University of Wisconsin tend to support this deduction.

Right from their freshman year on through to graduation, the coeds, who some believe are flighty and are more interested

WISCONSIN ALUMNUS

in trapping some unsuspecting male, consistently outdo their opposites in the classroom.

Statistics for the last full semester, which was during the spring of 1951—a time of the year when thoughts allegedly turn to love—the coeds earned a 1.77 grade point average, which is approaching a "good" average, while the men earned a 1.67 average, which is closer to a "fair" average.

Those who gathered these statistics at the University failed to explain why this should be so. We have no explanation either, unless it is that men study so hard they get so saturated with knowledge that they get sort of study-drunk.

Too, men are not as articulate as women, some of whom have been known to talk themselves into a good grade.

—the Beloit News

### FOOTBALL DEFENSE

ON THE basis of the exceptional record of the defensive platoon, the enthusiastic fan has a suggestion to make to Coach Ivy Williamson of the University of Wisconsin football squad.

He maintains that the Wisconsin team would make higher scores if the ball were given to the opposing team more often. His idea is a reversal of the theory that control of the ball provides the best opportunity to score. Running back pass interceptions for touchdowns, falling on a loose ball in the end zone, or tackling a halfback in the end zone pays off better than trying to move the ball down the field.

Perhaps, by kicking on first down, the team would fare better than by passing or running. The defensive platoon will capitalize on any mistake made by the opposing team.

At least, the suggestion gives credit to the defensive platoon for the fine work it has been doing.

—the Sheboygan Press

### UNION PRICES

AT A TIME when students are feeling the pinch of high prices, it is encouraging to note that the Union will lower prices on many of its programs.

A new federal tax exemption has been granted to cultural and educational organizations and the Union found itself in a position to cash in. The Union directorate could have left prices at their present level and thereby assured themselves of a greater profit from their programs. They chose, instead, to cut prices in accord with the tax reduction.

Union dances, musical events, and other educational and entertainment events will be affected in the future by the new policy. More of the very worthwhile activities presented each year by the students' "home away from home" will come within the reach of more student pocketbooks as a result of the directorate's action.

During the past year students have been subjected to increased food prices, both at the Union and other campus area restaurants. Tuition was boosted back to its old figure by last year's Legislature. General campus living expenses have risen along with similar prices throughout the nation.

In view of the trend towards higher cost for higher education, we point with pride to the fact that on this campus at least "food for thought" will be cheaper.

—the Daily Cardinal

## UNIVERSITY OF WISCONSIN

# Calendar

### JANUARY

- 5 Sat. Basketball—Purdue at Madison
- 7 Mon. Basketball—Illinois at Champaign
- 10-12 Thurs.— Mid-Winter music clinic—Music hall and Union theater
- 11 Fri. Pro Arte quartet—Union theater
- 12 Sat. Basketball—Ohio State at Madison
- 15-16 Tues.— Claudio Arrau, pianist—Union theater
- 19 Sat. Basketball—Northwestern at Evanston
- 21 Mon. Basketball—Michigan State at Lansing

### FEBRUARY

- 6 Wed. Basketball—Butler at Indianapolis
- 8 Fri. Prom—Union
- 9 Sat. Basketball—Minnesota at Madison
- 11 Mon. Basketball—Purdue at Lafayette
- 12 Tues. Ice Cabaret—Union Terrace
- 13-15 Wed. All University Boxing Tournament—Field House
- 14 Thu. Winter Carnival Float Parade
- 15 Fri. Winter House Party—Union
- 16 Sat. Basketball—Michigan State at Madison  
Snow Ball—Great Hall
- 17 Sun. Ski Meet—Muir Knoll
- 18 Mon. Basketball—Michigan at Ann Arbor
- 18-20 Mon. Kirsten Flagstad, Soprano,—Union Theater
- 22 Fri. Boxing—Penn State at Madison
- 23 Sat. Basketball—Indiana at Madison—Field House
- 25-27 Mon. WSGA Careers Conference—Union
- 25 Mon. Basketball—Michigan at Madison
- 26-27 Tue. George London, Baritone—Union Theater
- 29 Fri. Boxing at Syracuse

### MARCH

- 1 Sat. Basketball—Ohio State at Columbus
- 2 Sun. Pro Arte Quartet—Music Hall
- 3 Mon. Basketball—Iowa at Iowa City
- 4-8 Tue. Wisconsin Players Production—Union Theater
- 7 Fri. Boxing—Minnesota at Minneapolis
- 8 Sat. Basketball—Illinois at Madison
- 9 Sun. Sunday Music Hour, University Symphony Orchestra
- 11-13 Tue. WMA Job Opportunities Conference—Union
- 14 Fri. Boxing—Miami at Madison
- 20-22 Thu. High School Basketball Tournament
- 20 Thu. 24th Annual Student Art Show Presentation of Awards—Union
- 21 Fri. Boxing—Washington State at Pullman
- 25-26 Tue. Nathan Milstein, Violinist, Union Theater
- 28 Fri. Boxing—Michigan State at Madison
- 29 Sat. Campus Carnival—Field House

# ★ Dear Editor:

## ON FOREIGN POLICY

The appraisal of American foreign policy by Mr. Peterman in the November *Alumnus* is the finest, most comprehensive review of that policy I have seen.

The vital information in Mr. Peterman's article should not only bring admiration, but also should arouse to action every real American in the Wisconsin Alumni Association.

FREDERICK A. POTTS, '05  
Waupaca, Wis.

Cy Peterman's article, "American Foreign Policy—An Appraisal," in the November *Alumnus* is the most refreshing bit of integrity to appear on the scene for a long time. You are to be commended for presenting his frank, clear-cut and far sighted appraisal of our shoddy, pro-Communist foreign policy.

Basically we get the conviction that our educational system is at fault. The newspapers quoted in the *Alumnus* point out the fact that what is needed is a course in American history. I wish it could be as easy as that to mend our deficiencies, for they are much deeper than that. What we should know by now is that our educational system is not functioning properly when it trains and condones pseudo-representatives to represent us at home and before the world, and then betray us so flagrantly.

We do not have a positive program for presenting American democracy to the

people of the United States and the world to combat the "isms," though world leadership has been thrust on our shoulders by fate.

Let us forget, there are still places in the USA where the secret ballot is non-existent, where the bipartisan ballot is not honored and where they have the poll tax. Where there is no choice, how can we have democratic procedure?

As Peterman so ably told, we still do not have back the ships we loaned Russia, and World War II was over in 1945. Why don't our leaders be honest with us and admit that we are confronted with the greatest ingrate since the dawn of civilization. The "ism" with which we are at battle today would destroy civilization as we know it.

As a scientist and as an American I think we should join together and develop a positive program to promote and maintain our magnificent American democracy and to combat all "isms" that challenge it.

E. M. HILDEBRAND, '28  
College Station, Tex.

I am one of the alumni who agree thoroughly with the hard-hitting article on American foreign policy by *Alumnus* Peterman in the November number. We need more of such searching and factual criticism of our inane foreign policy (if we have a policy) in the hope that it will assist this country to take its proper place in leading the world out of threatening chaos without sinking into the morass of statism or socialism.

O. W. STOREY, '10  
Chicago, Ill.

## BADGER FOOTBALL

In case any alumni are interested in the esteem in which the Wisconsin football team is held on the Pacific Coast, let this excerpt from Braven Dyer, popular sports writer for the Los Angeles Times, serve as a representative comment.

He wrote in his column: "After examining the statistical record which the Wisconsin team compiled during the past season—if it were they who were coming west for the New Year's Day battle of the Roses, I'm afraid I would have to concede yet another defeat for the Pacific Coast representative, in this instance Stanford."

SHELDON PARIS, '47  
Los Angeles, Calif.

## LETTER FROM JAPAN

Here's my check for \$6 for Association membership and the pictorial map of the University.

The Wisconsin *Alumnus* has kept me posted on all University affairs since I have been overseas. It is the only source of information I have concerning the University.

During my tour in Korea the first six months of this year, receiving a copy of the *Alumnus* was like seeing a long lost friend. I am now stationed in Kyoto, Japan, and still enjoy receiving each issue of the magazine.

JOSEPH C. RODGERS, '48  
Kyoto, Japan

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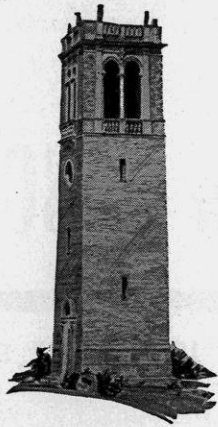
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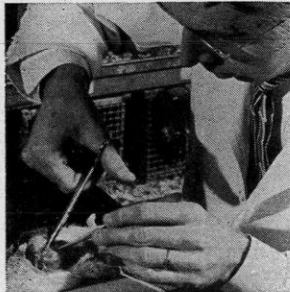
# WISCONSIN Alumnus

Official Publication of the Wisconsin Alumni Association

## ★ Sidelines

ONE OF the most important phases of research at the University is that concerned with cancer, the number two disease killer which has long been a primary foe of medical science.

The center of Wisconsin's cancer research is McArdle Memorial laboratory, which is under the direction of Dr. Harold Rusch. McArdle is one of the nation's 10 full-time cancer research labs, and its facilities will soon be expanded to make it one of the leading institutions of its kind.



Inside McArdle, the slow, painstaking battle against cancer goes on day after day. Complete victory is seemingly a long way off, but the researchers are confident of defeating their deadly foe.

Typical of the scientists on the McArdle staff is Dr. James Miller, shown in the cover picture removing a malignant rat liver tumor which he induced by incorporating a certain chemical into the rat diet.

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JANUARY, 1952

No. 4

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# ... keeping in touch with **WISCONSIN**

**JOHN BERGE, Executive Secretary**

**F**OR MONTHS the American public has been deluged with a flood of editorials and speeches on the evils of college football. Many of these attacks, unfortunately, have been characterized by a lot of heat and very little light.

In the light of these attacks it's good to read Pres. Fred's sensible, down-to-earth message prepared for the annual football banquet of the Wisconsin Alumni Club of Chicago last month. An important Washington conference made it impossible for Pres. Fred to attend this Chicago banquet, so his message was read for him by Charlie Byron, former WAA president.

Wisconsin football is in good hands, with sound, sensible faculty control. Wisconsin athletes are good students—not athletic tramps. Of the athletes who have or will function as the mainstays of the various sports teams this school year, 90 have held a "B" or better scholastic average. Alumni members on the athletic board, Joseph A. Cutler and James F. McManus, are top-notch business men, keenly interested in a good athletic program for Wisconsin. Athletic Director Guy Sundt has served Wisconsin for more than a quarter of a century with a remarkable record of outstanding achievements. With men like this in charge, Wisconsin athletics are in good hands. That's the way Pres. Fred wants it to be, so here is the statement he prepared for the Chicago dinner on December 11th.



**PRES. E. B. FRED**

**I**T WOULD be fun to be with you in Chicago tonight as you pay tribute to our fine 1951 football team. I am sure that alumni and friends everywhere take pride in the great playing record this team has written into Wisconsin football history. It is good of you to salute tonight the young men who not only learned their football lessons well, but also taught their opponents a lesson by demonstration.

A few weeks ago, I watched 50,000 people gather in Camp Randall stadium and sit in freezing temperatures and driving snow until the Badgers won a game in the last 58 seconds of play. These thousands of people—young and old—left warm homes and fought their way through heavy traffic on dangerous, slippery streets. Some arrived early, and some were delayed and arrived only during the last moments of the game.

The play of the football teams, despite the miserable weather, was highly spirited right to the final seconds which spelled victory for our team; but I could not but marvel and wonder at the spirit of those 50,000 excited but shivering football fans.

We can well ask this question: Just what does the game football have?

There seems to be a captivating something which makes the football spectator truly a part of his favorite team, its players, and its plays. I am sure that if we should measure the neural impulses and incipient motor actions of the

spectators, we should find that the spectators all but throw each pass, make each tackle and block, and run with the ball. You can actually hear them coach the players and call the plays; and I know that the one who sits behind me does the punting. These enthusiastic and loyal fans share the team's pride in victory and its disappointment in defeat.

On occasions like this we see the power of people when welded in a common, consuming concern, and the simplicity of the conditions needed to build that indefinable quality called "spirit".

During our 1951 football season, there have been many reasons for pride and very little occasion for disappointment. Our team has rewritten Big Ten playing records in many departments of play. The offensive team was the strongest in the conference. The defensive team was the toast of the nation. The 1951 team is being described as the champion of all Wisconsin teams.

Wisconsin has been represented by a splendidly coached, high-spirited, thoroughly competent football team. It had the mark of quality which I am sure we all like to see in everything which Wisconsin does. Win, lose or draw, we have had a wonderful season. We salute the members of the 1951 Wisconsin football team and their coaching staff for a job well done. I am very sorry that I am not with you as you celebrate.

# Fighting Badgers Are Fighting Americans

By W. G. Aschenbrener

President, Wisconsin Alumni Association

- ★ The WAA's chief executive sounds a theme for Founders' Day, 1952: "Let's do a better job than ever before in selling the American ideal; a direct approach is through education and an interest in the University . . ."

AS OUR University approaches the end of another year of service, it behooves us to take time for a bit of reflection and contemplation for another year.

Why now, or just WHY?

Now because it is a good American custom to take inventory of our progress for the year, be that the calendar year or the fiscal year. Why—because somebody has a job to do and the alumni and former students of our University do have a great opportunity to do that job—to help save the American WAY.

As regards reflection of our University today, at least from our point of view, we see that it continues to make great strides in its quest for the truth, its research and service, and its effort to impart the truth to all who seek it from all corners of the state and even beyond its borders. The Wisconsin IDEA is truly being carried forward.

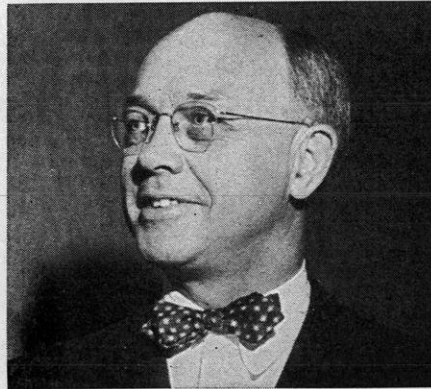
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MUCH CAN be said about the physical face-lifting going on at the Madison Campus at the present time. Much publicity is being given to this program and it's not the purpose of this article to develop on brick and mortar.

It's PEOPLE that we want to stress at this time. To that campus go boys and girls, and from that Campus go men and women to assume the duties of citizenship which are particularly great today. The people, through taxation and contributions from other sources, give these men and women—we alumni and former students—advantages of well developed equipment to face life's problems, and we are given an opportunity to meet greater problems in developing a better stan-

dard of living and way of life. To use what we have gained at the University, there must be *action*—constructive action, as never put forth before in history.

The boys and girls on the campus are called "fighting badgers,"—fighting for the development of mind and body in order to create a smoother working society.



W. G. ASCHENBRENER  
Americanism—1952

Now, as Alumni and former students, we're "FIGHTING AMERICANS"—fighting for the same principles to be put to work on a much wider scale. We should know what has made America great. Sometimes we wonder, and we do note that the demand for teaching American history in our University raises the question mark.

Our responsibility of assuming duties of citizenship is, however, very clear. In the first instance, if it is applied with zeal and enthusiasm at the local level of government, the terrific fumbling being

carried on at higher levels will surely be solved.

Education, in the final analysis, is the only hope for our country and, in fact, the world. Education develops self-reliance and resourcefulness and certainly should not develop the idea that there is always a Santa Claus to take care of our wants and needs.

\* \* \*

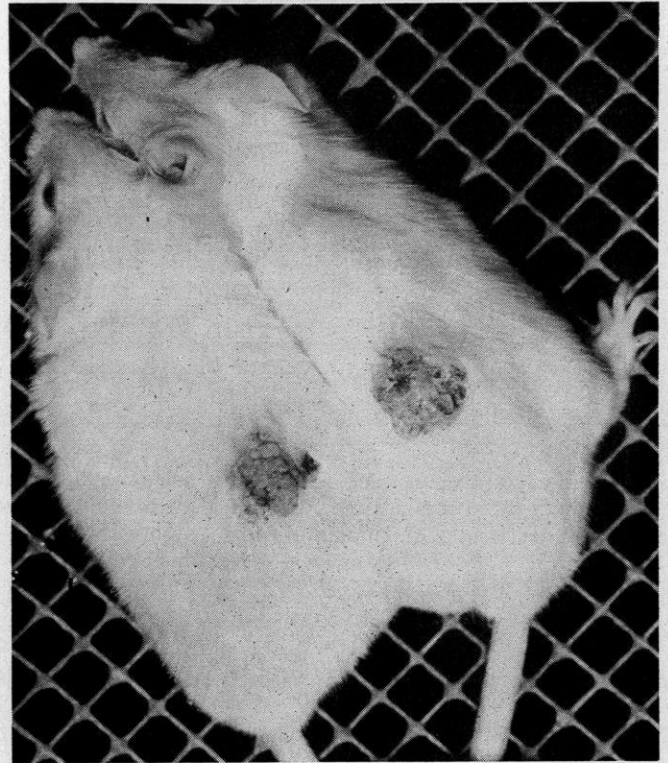
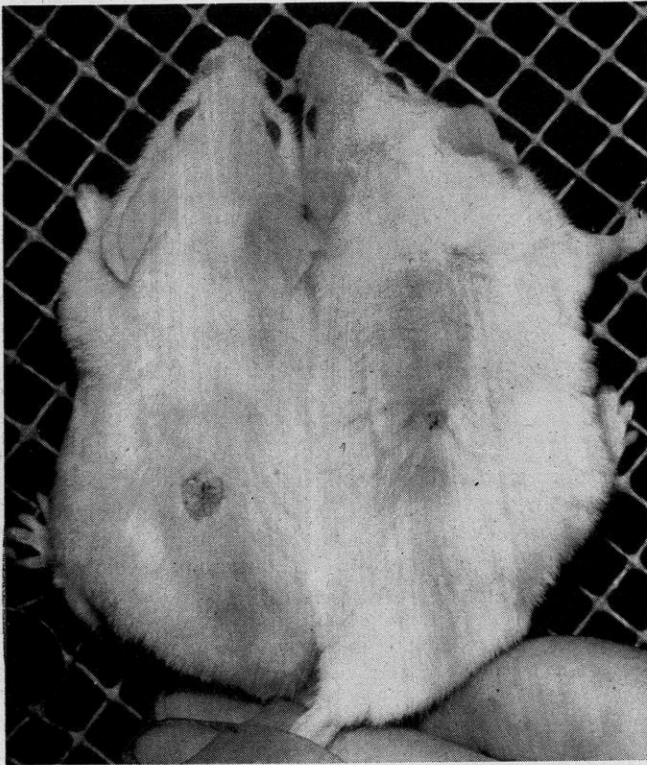
WHILE WITNESSING some entertainment and a program for blind people recently, I was particularly impressed with their desire for consideration of their problems only and their absolute shunning of all overtures of direct help without means of repayment. It was a magnificent demonstration of what all of us have been taught, that we get in direct proportion to what we give.

All the schools in America today are more crowded than ever before. It is the product of those schools that must put forth action.

So, the theme of this University Founders' Day is Americanism, with greater emphasis than ever before. The world needs it and you have it within your power to make a constructive contribution to it by continually doing a selling job of the American IDEAL. A very direct approach, as it may develop through the educational processes, is to take a more active interest in the affairs of the University, which you can do through the Wisconsin Alumni Association. You are urged to attend the Founders' Day Banquet in your area and to take an active part in promoting enthusiasm for more and more education that the world may see peace among men.



# . . . America's No. 2 Disease Killer

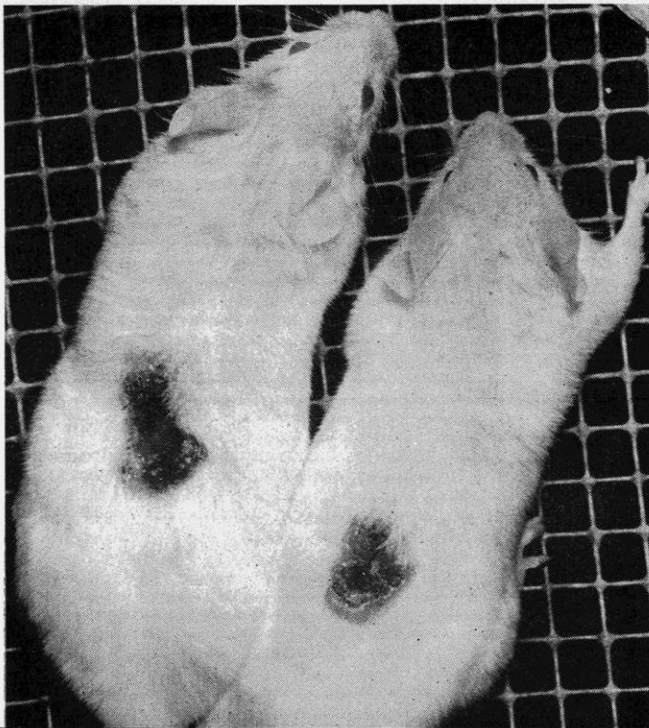


This article on University cancer research is written from interviews with the men who staff McArdle Memorial laboratory—the UW's renowned cancer research center. In a few pages it describes the results of long years of detailed study, of knowledge gained after countless experiments, tedious checking and re-checking. It foretells eventual victory in a deadly battle.

★

THE PICTURES on this page show the various stages of tumors which were induced chemically on the skin of rats. By producing such tumors UW scientists gain valuable knowledge about the actions of cancer.

★



# UW Scientists Seek Cancer Cure

**C**ANCER IS an ugly, tragic word. Among diseases, it is the number two killer and each year claims hundreds of thousands of American lives. Only heart disease has been more deadly.

There is no cure for cancer when it has reached an advanced stage. Many of America's greatest scientists are pitting their knowledge and energies against this merciless foe in a slow, painstaking battle, but victory for medical science is not yet in sight.

However, considerable progress has been made in the last 15 years, and scientists have increased their knowledge about the causes and workings of cancer many fold. Long hours of research have made more and more weapons available to them and the overwhelming advantage which cancer once had has been reduced considerably.

There is great hope. Someday, perhaps soon, science will find the answer and take one of its greatest strides in preserving human life.

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**THE CAMPUS** of the University of Wisconsin is a hub in this momentous battle. The UW's McArdle Memorial laboratory is one of the 10 full-time cancer research centers in the nation, and when the addition to Wisconsin General hospital is completed this winter, it will be among the finest, best-equipped centers of its kind.

Since 1940, when McArdle was built, UW cancer research has been chiefly fundamental. Clinical research was not stressed. Now, however, added space will make it possible to launch a program of clinical research, where cancer patients will be treated with new methods developed in the laboratory.

Dr. Harold P. Rusch, director of the McArdle lab, describes the line of work he and his co-workers have taken this way: "Our interest has been in the biochemical approach to cancer formation," he says. "We set out to find how the cancer cell works and what is inside of it."

Fundamental research at McArdle over the last 11 years has developed along three main lines, Dr. Rusch says. One is the investigation of the mechanism of cancer formation. Rats and mice are treated with a carcinogenic, or can-

cer producing, chemical and the incidence and progress of the cancer studied.

A second is a study of the metabolism of the cell, to determine the biochemical differences between the cancer cell and the normal cell. Changes in the cells are studied by tracing the path of radioactive chemicals in the tissue.

A third project concerns the physiology of animals on a restricted intake of food. It has led UW researchers to the fact that animals develop tumors less frequently and at a slower rate when they are on a low caloric diet.

\* \* \*

**BUT BEFORE** examining these lines of research and the answers they have uncovered in detail let's let Dr. Rusch explain what cancer is, what form it takes, how it acts.

The basic material is living tissue, which is made up of countless millions of cells. When a cell is damaged or destroyed, the body mechanism grows another to replace it. Cells grow by

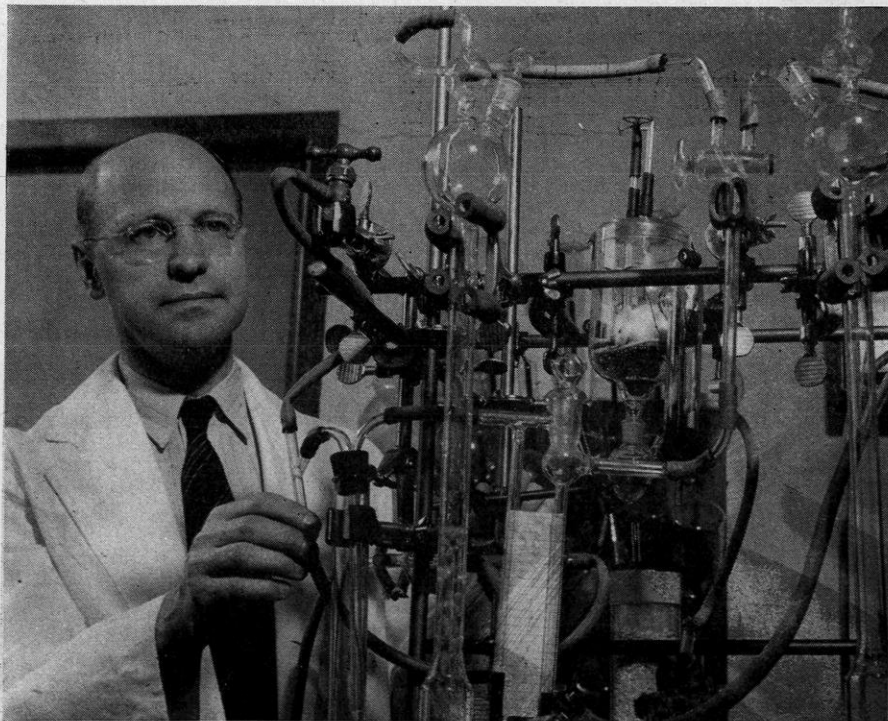
dividing, eventually stop growing, and specialize their functions.

For example, when a person cuts himself, new cells divide repeatedly in the damaged area to replace those which have been destroyed. The growth process stops when the damaged cells have been replaced.

There is a sort of magical control over the growth of normal cells which is lost for cancer cells. Actually, cancer is growth gone wild, with nothing to stop the cell from growing and dividing into more cells, which in turn repeat the same process.

As the cancer cells multiply they begin to form a mass, called a tumor, which gets larger as the increase in the number of cells continues. But not all tumors are cancerous. There is a type called the benign tumor, which is not cancerous because sections of the growth do not break away from the mass and travel to other parts of the body. This type will cause no further trouble, once removed successfully by surgery.

In the cancerous, or malignant, tumor parts break off from the main source of



**DR. H. P. Rusch**, director of the McArdle laboratory, checks equipment which traps radioactivity exhaled by the mouse (upper right). The mouse has been injected with radioactive sodium acetate solution. Measuring the radioactivity enables UW scientists to determine how much of the solution remains in the body and where it is located.

growth and are spread through the body by the blood stream or through the lymph. These wandering cancer cells settle in various parts of the body and begin new tumor growths. Each type of malignant tumor has its favorite site to settle, but science has not as yet found the reason why.

After a cancer cell has developed, it has a number of obstacles to overcome before it becomes firmly established. The cancer cell competes with normal cells for food, and the normal cells tend to ward off the lone cancer cell.

The cancer cell can grow and divide only when it gets a food supply of its own and other conditions are favorable. Chronic irritation does not cause the cancer cell, but it sets up a good environment for it to grow by causing an increase in the blood supply to the irritated area. This makes cell food more readily available to the cancer cell.

There are several ways in which cancer formations may appear. They may arise spontaneously or through the action of various pure chemicals, ultra-violet rays, X-rays, viruses and hormones. Helping to prove that ultra-violet rays from the sun are the cause of most skin cancer was one of the first projects undertaken at McArdle. This knowledge has made it possible to prevent skin cancer.

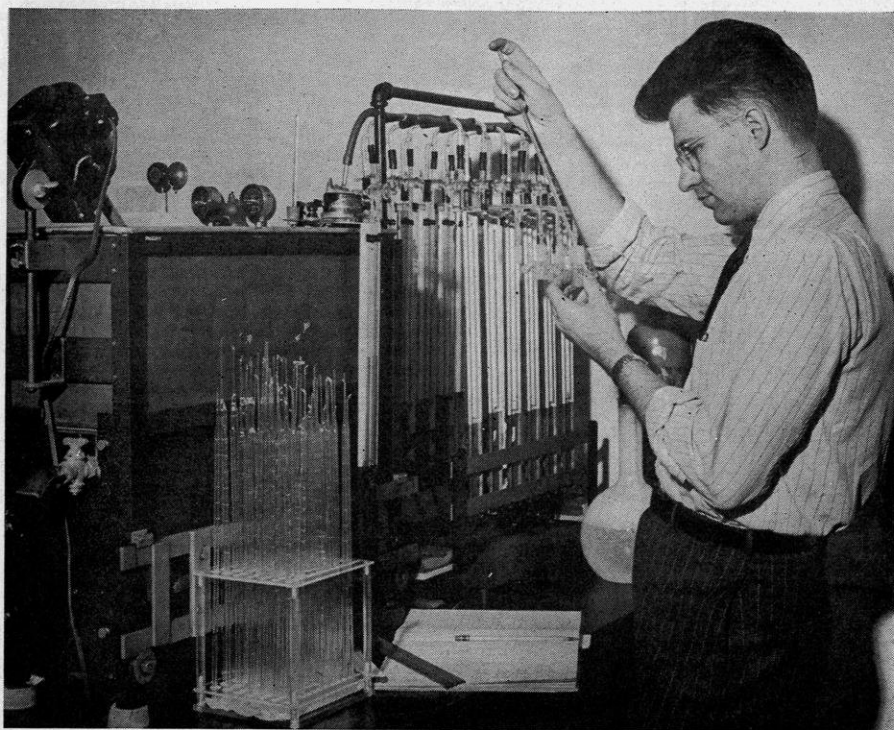
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THERE IS nothing really glamorous or mysterious about the various phases of research at McArdle. The story is one of patient, friendly, sincere men working methodically to penetrate the veil of the unknown. What they have discovered has meant a great deal to medical science, but there have been no sensational steps toward discovery of a cure.

Research at McArdle on the mechanism of cancer formation has centered chiefly on studies of liver cancer, which can be caused in rats by feeding them chemical compounds called azo dyes. The liver was chosen because it contains adequate tissue and because much is known about it chemically.

Investigation of liver cancer is in the hands of Drs. James and Elizabeth Miller, a husband and wife team who began a study of the problem while students, before they joined the McArdle staff in 1945. As a result of their experiments more is now known about liver cancer than any other type.

The most significant result of their work was the development of the dele-



SAMPLES ARE READIED for the Warburg apparatus by Dr. Gerald LePage, who has concentrated on the reactions of nucleic acids as his part in McArdle's war on cancer.

tion theory of cancer formation, which envisions the slow but sure return of highly specialized cells to a primitive state as they lost the power to work.

The Millers began formulating the theory when they noticed that the azo dyes were combining with the protein in the liver but that the protein-bound dye was not found in the tumor eventually produced in the liver.

This led to the conclusion that the protein and the protein-bound dye disappear as cancer takes over the cell. This protein is found in that fraction of the cell protein known as the "H" component.

It has also been established by the Millers that the production of liver tumors by the dye is slowed considerably when high levels of riboflavin, or vitamin B-2, is added to the rat diet.

In addition to the liver studies, experimentation in the mechanism of cancer formation has involved painting the skin of experimental animals with chemicals known as carcinogenic hydrocarbons, which cause malignant tumors to develop if applied repeatedly over a long period of time (six to eight weeks).

However, these hydrocarbons will not cause tumors if applied only in small doses unless an irritant, such as

croton oil, is applied subsequently. This line of work established that tumor formation occurs as a two-step process, an extremely useful bit of knowledge, and gave further information as to how irritation is responsible for cancer formation.

Previously, many people had believed that irritation actually caused cancer. This research proved that it does not, but that it can start a tumor in an organ where tumor cells are latent.

\* \* \*

THE ATTACK on cancer through studying metabolism of the cell is being taken from two angles and is under the direction of Drs. Van R. Potter and Gerald A. LePage. Dr. Potter has centered his work on enzymes and Dr. LePage on nucleic acids.

The latter are important factors in the cancer problem because they are fundamental chemicals involved in cell division. Further it has been determined that the concentration of nucleic acids is higher in the cancer cell than in most normal cells.

Dr. LePage is seeking to determine why and how this greater concentration exists. Using tracers, such as radioactive glycine, a body building block which is used to manufacture both proteins and

nucleic acids, Dr. LePage began by tracing out how nucleic acid is manufactured in the body and where the products needed for its manufacture come from. This knowledge is necessary in uncovering the mechanism by which nucleic acid is made in cancer tissue, and finding the cause for its abundance would be a clinching step in finding a method for inhibiting its formation.

Last year, this work by Dr. LePage and a colleague, Dr. Charles Heidelberg, McArdle's radioactivity expert, led to a revolutionary concept of the cell and opened new research avenues into the cancer problem.

Previous to the UW discovery, which since has been corroborated by research teams from other laboratories, scientists believed that a cell nucleus was what they called "biochemically stable" except when growth occurred. This meant that except when a cell was dividing in the growth process, its nucleus was dormant—there was no turn over of building blocks.

LePage and Heidelberg found this to be untrue. They established that there

was a constant turnover of nucleic acids, that the nucleus did not ignore the building blocks even when not dividing.

It was no sudden discovery. It was a long job, and it was the use of glycine in their experiments that put them on the track.

Other scientists had been using other materials, such as phosphates, and these had not affected the nucleus of resting cells. But glycine did, and LePage and Heidelberg checked and rechecked the results until there could be no doubt.

With this new knowledge, they asked the questions:

"Is there any difference between normal and cancerous cell nuclei in the incorporation of amino acids?"

"Does normal tissue have to supply some ingredients necessary for a tumor to grow?"

They worked with liver and kidney cells. Their reasoning was that if the tumor is not dependent on the normal tissue for anything, its incorporation of glycine should be simultaneous with that of the normal tissue, and the

amount of radioactivity in the tumor should rise faster because the tumor grows faster.

However, LePage and Heidelberg found that the tumor cells and normal cells reached their maximum radioactivity at approximately the same rate, which indicated that the tumor may have to wait for a product of the normal tissue to be able to grow.

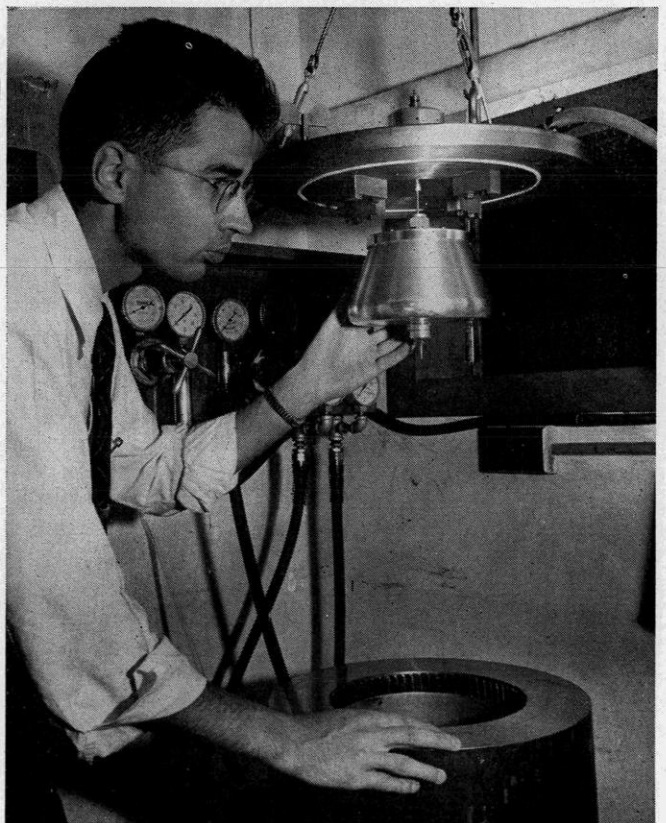
If the two scientists can establish this as fact, they can try to isolate the vital product and find a chemical analogue—a compound so similar to the needed product that it fools the cell into absorbing it which will kill the tumor.

To further test this proposition that tumors live at the expense of other tissue, LePage and Heidelberg are studying transplanted tumors, which provide cancer cells free of all imperfections, thus allowing for more accurate results.

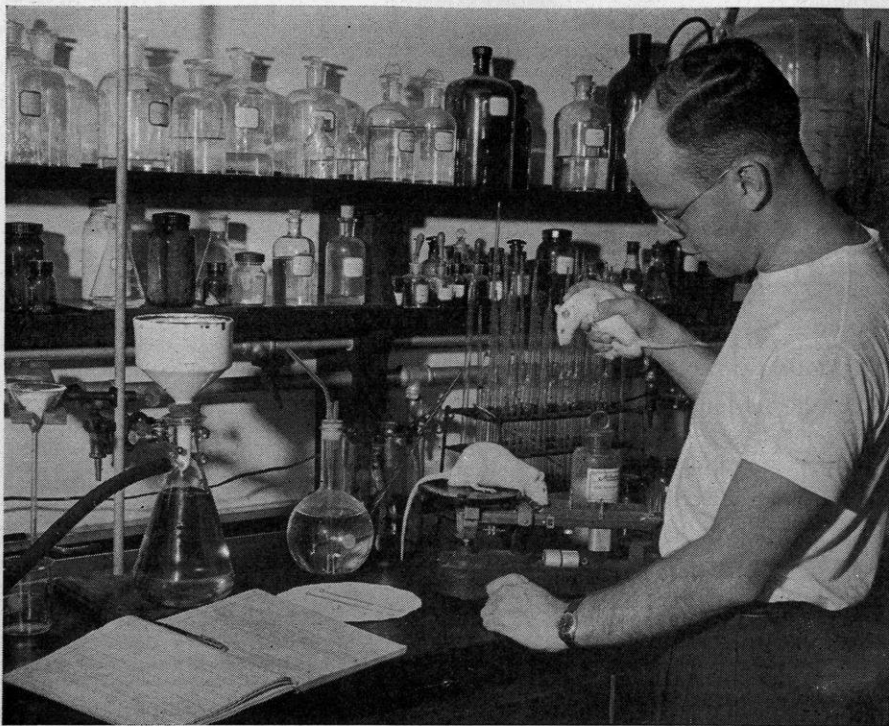
The interaction of enzymes, a substance that speeds up chemical reactions in the cell, causes thousands of complicated chemical reactions to take place continually, each offering a needed and



DR. VAN R. Potter, the UW's authority on enzymes, checks a unit of the Warburg apparatus, used by cancer researchers to measure the metabolism of living tissue. Dr. Potter is seeking to find which chemical reactions and enzymes are characteristic of cancer tissue.



McARDLE'S AIR-DRIVEN, high-speed centrifuge, used for breaking cells into their parts, is capable of a pull 200,000 times that of gravity. The apparatus enables scientists to study various changes in the most minute particle of the cell.



**PART OF THE procedure in the diet experiments being conducted at McArdle involves a periodic check of the weight of the mice. Dr. R. K. Boutwell is shown weighing two of the experimental animals.**

different product to the body. It is this process upon which the work of Dr. Potter is based.

There are two types of enzymes—those necessary to sustain life of the cell and those which are service enzymes, offering their special traits to other cells.

Study has shown that when a cell, a liver cell for example, comes under attack from the outside, the service enzymes cease their function and food to the cell is channeled to the growth enzymes, thus increasing their activity. The cell can live without service enzymes.

Dr. Potter's goal is to find which chemical reactions and enzymes are characteristic of cancer tissue. Then it will be possible to make chemical compounds which will inhibit cancer growth.

The doctor and his assistants spend a bulk of their time fractionating, or breaking down, the cell structure and analyzing every chemical that may be active in the cell. It is a tedious and time-consuming job.

Cell parts are separated by a centrifuge, a container which houses test tubes and spins at high speeds, the centrifugal force causing cell parts to move to the bottom of the tube.

Various speeds are necessary to separate different parts of the cell, depend-

ing upon the weight of the cell part. An air-driven machine capable of exerting a force 200,000 times that gravity is used to separate the microsomes the tiniest particles in the cell.

Breaking down a cell requires four hours and is done in cold rooms and chests where the temperature hovers slightly above the freezing mark. This is done to prevent any breakdown in cell composition which might occur under normal temperatures.

One approach to discovering the enzyme part in the cancer picture is again through the use of radioactive isotopes, chemically called C-14. This work is also done in cooperation with Dr. Heidelberger.

Dr. Potter describes the experiments this way: We introduce C-14 into the cell, then watch how the service enzymes send off the radioactivity in the form of carbon dioxide, one of the body waste products. We also see whether or not any radioactivity is stored in the growth products.

Next we initiate the cancer process in the cell. The service enzymes lose their faculties and the growth enzymes go unrestricted. We can then try to find a chemical which the growth enzymes will mistake for their usual cell food, thus checking unrestricted growth.

**PREVENTION OF tumor formation** is an angle of the cancer fight which has interested McArdle scientists. Much research is aimed at curing cancer, but relatively little attention has been paid to prevention.

Early work with liver cancer showed that diet has a direct effect on tumor formation. When caloric intake is cut down tumor formation is likewise cut down in striking fashion.

This was a tool to work with, one which fit in well with the idea of prevention.

Diet experiments, being conducted by Dr. Rusch and Dr. R. K. Boutwell, are directed at finding out how diet affects the development of the tumor cell. Radioactive isotopes again are utilized in tracing the routes of food materials in the body. Using radioactive glucose and glycine, the scientists have shown that these materials are burned more rapidly in low caloric animals than in high caloric animals.

This fact has an effect on tumors in their early stages, as they have a difficult time when their building blocks are burned by the normal tissue for energy. However, once the tumor has grown to the point where it has its own blood supply, food restriction has no effect upon it. Having lost all semblance of specialization, it saps the rest of the body nutrients.

By using groups of rats, some of which were fed and some of which were not, it has been shown that tumors take amino acids or building blocks out of the blood and put none back whether a normal food supply is present or not. Tumors in starved rats showed about the same rate of change as those in fed rats, which explains why people with tumors lose weight.

Rusch and Boutwell hope someday to find a chemical which will produce the same effect on tumors as low caloric intake. Tumors in their early stages could be killed off by use of the chemical.

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**THIS IS cancer research.** It treads on unfamiliar ground, into new avenues of science. Theories must be proved and others disproved. Progress is slow.

But the battle is being won. Today science stands a better chance than ever before of licking the deadly scourge of cancer.

# THE STATE OF THE UNIVERSITY

## REGENTS

### Badger Football Staff Given Pay Boosts

THE REGENTS last month increased the salaries of six members of the UW football coaching staff, effective Jan. 1.

Ivan B. Williamson, head coach, received a boost of \$1,140. Raises of \$540 each went to assistants Milt Bruhn, George Lanphear, Fred Marsh, Robert Odell and Paul Shaw. The changes shape up as follows:

	1951	1952
Williamson	---\$12,860	\$14,000
Bruhn	----- 8,860	9,400
Lanphear	----- 7,860	8,400
Marsh	----- 7,860	8,400
Odell	----- 7,860	8,400
Shaw	----- 7,860	8,400

Regent Wilbur N. Renk, who made the educational committee report and moved adoption of the salary changes, said that "last year the Regents decided that December should be the month for salary adjustment of football coaches because they realized that the hunting season for coaches ran from Dec. 1 to Dec. 25.

"I think the Regents will be smart in putting red "W" caps on our coaches so that in this present hunting season our men will be protected."

Adjustment in salaries for other faculty members and coaches will be made at the regular time in June.

The Regent move caused considerable comment. In an editorial, the Daily Cardinal, student newspaper, said that it was to be regretted that the University chose to place the value of football above the value of its other educational services. The editorial pointed out that Williamson now receives more than any other UW faculty member except Pres. E. B. Fred, who receives \$20,000.

### Regents Take Action On Parking Problem

A REGENT committee and the UW administration last month began preparing a report on University parking. The report, suggested by Regent Wilbur Renk, will be presented at the March Regent meeting.

Renk, who has stressed the parking problem since he became a Regent last year, told the board that the University has two critical parking areas—the Memorial Union and Wisconsin General hospital. He said he feels that parking is closely tied in with University public relations, which were also due to get an airing in an informal Regent meeting.

In response to another suggestion by Renk that the Regents call in the various college deans to discuss teaching and general education problems, Pres. E. B. Fred promised a plan for complete University representation for the discussion. "Why not call in the students so we can discuss the whole situation," Pres. Fred said.

The meeting, which will be the first of its kind at the University, will cover improvements of education, especially in the freshman and sophomore years, and improvement of the advising system.

An immediate study of improvement of instruction will also be taken up by the Regents, following a motion made by Mrs. Melvin Laird.

### Life Membership Rules For Union Changed

NEW RULES relating to life memberships in the University Memorial Union were approved by the Regents last month.

Under the new plan proposed by the Union council, students may obtain life membership in the Union upon payment of \$15 within a year after they leave the University. The plan takes effect Jan. 1.

Students formerly obtained life memberships upon payment of \$60 minus the Union's portion of student fees paid during a college career. The new plan eases the payment for students who want life Union membership even though they leave college in their first year or two.

Under the new plan, however, life members who re-enter the University are not exempt from payment of the Union's portion of the incidental fee, as was formerly true. The Union's portion of the present \$75 incidental fee is \$7.50.

Students who begin college by attending Extension centers will now be able to obtain life membership in the

Memorial Union for the same cost as those who attend the University at Madison throughout their college careers.

### Prof. Ogg's Bequests Accepted by Regents

BEQUESTS OF the late Frederic A. Ogg, emeritus professor of political science at the University who died Oct. 23, have been accepted by the Regents.

Prof. Ogg, who served as a member of the political science faculty for 34 years, made four bequests to the University and two of its departments.

One, the sum of \$15,000, will establish a Living Memorial fund in memory of his wife, the late Emma Perry Ogg. It will be a graduate fellowship in political science, with preference in award given to women candidates when their qualifications are equal to those of available men candidates.

In a second bequest to the University, Professor Ogg provided that 10% of the annual income from the residue of his estate be set up as a University trust fund to be added to existing student loan and scholarship funds, or used for other financial assistance to needful and deserving students, as the Regents may determine.

In two other bequests, Professor Ogg provided that books and magazine files from his extensive library be given to



WILBUR RENK  
UW Parking

the political science department to the extent that the department may find them usable, and that the UW library shall then be given the opportunity of selecting any volumes it desires from his personal library after all other specific bequests have been made from it.

### 'Ranger Mac' to Head Upham Woods Project

"RANGER MAC" is back at his first love.

University Regents last month approved a special contract making Wake-lin McNeel, emeritus professor of agricultural extension, supervisor of the University-owned Upham Woods project for February through June. He has been acting supervisor for more than a year.

"Ranger Mac" officially retired in 1950, but has remained active in the outdoors he loves. He was a member of the Wisconsin 4-H club staff for 28 years, the last seven of which he was state club leader.

For years he directed 4-H forestry and conservation activities. In one year he supervised the distribution of more than a million trees to 4-H club members and vocational agriculture students for planting in farm nurseries and windbreaks.

He always has loved forestry and once studied in the Black forest in Germany. He's also worked with a lumber company, has been a science teacher in high school, and a school superintendent.

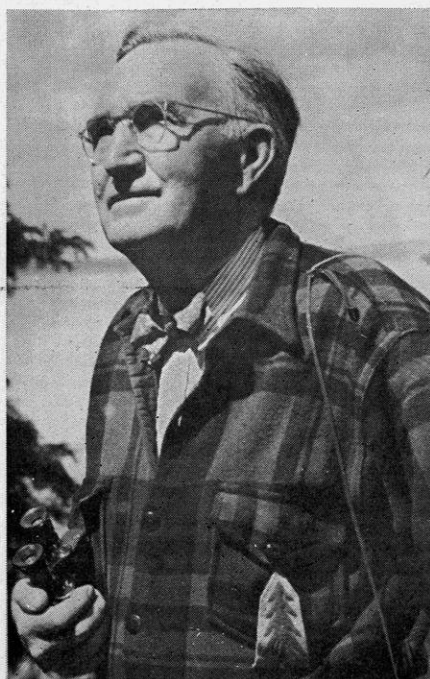
At Upham Woods he has 300 acres in the heart of the Upper Dells of the Wisconsin river to supervise, 200 acres of it on tree-covered Blackhawk island. The land was deeded to the University in 1941 by Mrs. Caroline V. Hughes and Mrs. Carl Henry Davis as a memorial to their parents, Horace J. and Mary Greene Upham. It is dedicated to youth activities.

### Bequest of \$1,000 Accepted by Regents

ENGINEERING TRAINING and research among students at the University got a boost in December from a man who enjoyed his engineering student days on the campus 60 years ago.

The man is the late Edward M. Kurtz of Los Angeles, Calif., whose bequest of \$1,000 to the University was accepted by the Regents.

Kurtz, who graduated from the UW College of Engineering in 1894, died



WAKELIN McNEEL  
New Appointment

on Nov. 7, 1949. In his will he left \$1,000 to the University, without suggesting its use.

The Regents decided that income from the Edward M. Kurtz Living Memorial trust fund could best be used as an annual prize for the best paper written by a UW student for the Wisconsin Engineer, magazine published monthly by Wisconsin engineering students, as determined by the directors of the magazine.

### \$12,000 Granted for New Research Microscopes

RESEARCH MICROSCOPES in the University geology department, some dating back to 1914, will be replaced under terms of an action by the Regents.

The Regents appropriated \$12,000 to replace the old instruments. The sum will purchase 10 special polarizing-type microscopes to be used in examining thin slices of rock.

The Regents, in actions on remodeling, repair, and improvement of University buildings:

1. Authorized a \$5,989 contract with Midwest Waterproofing Co., Beloit, for restoring and waterproofing work on the Memorial Union;

2. Allotted \$1,900 for equipment and remodeling of storage space on the east side of Camp Randall stadium for storage of military property;

3. Appropriated \$2,000 to purchase and install a high pressure boiler to

provide hot water needed for work in the Enzyme institute;

4. Approved award of a \$2,100 contract with Industrial Insulation Corp., Appleton, for installation of insulation and a door in cold storage rooms at the Horticulture building.

### UW Gets Portrait Of Ex Football Star

A PORTRAIT of one of Wisconsin's football greats who went on to serve a key role in agriculture, Jeremiah P. Riordan, was accepted by the Regents in December.

The portrait was presented by the Holstein-Friesian Association of America, of which Riordan was director for many years before his death in 1936.

He was a star left guard on Wisconsin football teams of 1895 and '97, a captain of the 1897 team which won nine out of 10 of its games . . . losing the 10th to an alumni team.

It was under Capt. Riordan that Pat O'Dea, Wisconsin's football immortal, first played at Wisconsin. Riordan was a key figure in athletics at Wisconsin, secretary of the Student Athletic association for two years, and student member of what later became the Athletic council. His yearbook citation was the Shakespearean phrase:

"This was the noblest Roman of them all."

In recommending acceptance of the portrait, Regent John D. Jones, Jr., who for many years was a friend and associate of Riordan, called the Badger alumnus "one of the recognized and respected leaders" of agriculture, "both in Wisconsin and throughout the nation."

### Leave of Absence

THE REGENTS last month loaned another member of the faculty to the federal government.

The Regents approved a leave of absence for Russell L. Moberly, professor of commerce and director of the Industrial Management institutes. The leave is for the second semester of the 1951-52 academic year.

Prof. Moberly has been asked to help set up a civilian training program for army ordnance. The program, directed by the army chief of ordnance, will be centered in Rock Island, Ill.

### \$15,000 for German House

A \$15,000 GIFT aimed at re-establishing the German house at the University was among \$50,982.78 in gifts

and grants accepted by the Regents last month. Gifts totaled \$40,582.78 and grants \$10,400.

The \$15,000 gift came from the German House Holding Co. to establish the German house trust fund. The German department executive committee is given authority over the use of the funds.

## NEWS BRIEFS

### UW Approved as Center For World Land Study

DELEGATES OF the 37 nations who attended the recent world land tenure conference at the University have approved the UW campus as the site for the first permanent world center for study and research in land reform.

First step in the establishment of a permanent world center would be to set up a central committee consisting of three University professors as resident members. There would be corresponding members from each of the 37 countries represented at the conference.

Pres. E. B. Fred has announced that the University is interested in the proposal. "The University has long been interested in land problems," he said, "and we are going to continue to do everything we can to make important contributions in the field."

If the center is located on the campus, a second major step will be the establishment of a world land tenure library in a section of the new library building.

Foreign delegates and U. S. officials who attended the land tenure conference all termed land reforms as a problem of tremendous significance in establishing world peace.

### Rennebohm Says UW Needs 2-Year Course

SPEAKING BEFORE a November meeting of the National Student association, former Gov. Oscar Rennebohm emphasized the need for a two-year technical course at the UW in addition to the present four-year curriculum.

"There are many worthy students who cannot afford a full four years of university education," he said. "These students should be able to take two years of specific instruction in associated subjects, in the line that they desire to follow."

The former governor said he was in favor of the lakeshore college in Mil-

waukee, shelved by the last session of the Legislature. He said there are many people living in Milwaukee who are helping to finance the University but whose children cannot afford to attend at Madison because of financial difficulties.

"We could combine the two colleges, presumably the Milwaukee Teachers college and the University Extension center, and have 5,000 students just like nothing," he said.

### Fraternity Loses Fight To Save Its House

PHI DELTA Theta, a UW social fraternity, last month lost the court fight it has been waging to prevent condemnation of its Lake St. house when the Wisconsin supreme court turned down an appeal to have the proceedings halted and ordered Circuit Judge Herman W. Sachtjen to complete the action. The lower court earlier had made a similar decision.

The University Regents want the property as part of the site of the proposed Wisconsin Center building.

### Cerebral Palsy Center On Campus Now Open

THE NEW University Easter Seal Cerebral Palsy center opened Jan. 2.

The center is being supported by a \$45,000 grant from the Wisconsin Association for the Disabled. The grant was accepted by UW Regents in September and provides \$15,000 a year for three years to support the center, which will be located in the Orthopedic hospital on the UW medical campus.

"The function of the center will be to coordinate and augment our previous services to cerebral palsy patients," says Dr. Mabel G. Masten, chairman of the center's 16-member advisory committee. "We now will be able to add occupational, physical and speech therapists, and a social worker to our service."

The center is aiming at a coordinated program of examination, evaluation, treatment, occupational and physical therapy, and after-care through its outpatient and hospital facilities. A training program for parents also will be offered to help parents care for children after they return home.

"We can't hope to cure the cerebral palsy child," Dr. Masten says. "We can hope to make him more comfortable and help him lead a more productive life."

Dr. Henry I. Okagaki of the University orthopedics department will be directly in charge of center activities. To receive treatment at the center, a patient must be referred to University hospitals, be under 15 years of age, and his condition must be such that he would benefit by treatment.

Research also will play an important part in the program. A three-year grant of \$15,000 a year from the Alfred Laukhuff trust provides for cerebral palsy research. The research will be directed by Dr. Clinton N. Woolsey, Charles Sumner Slichter professor of neurophysiology.

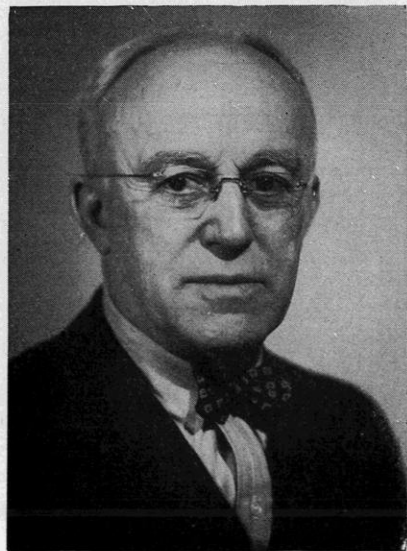
For years the only treatment for cerebral palsy was physical therapy. Now, according to Dr. Masten, research has developed new drugs and surgery techniques which help control the spasticity and abnormal movement which are trademarks of the disease.

Cerebral palsy is caused by disease of or injury to the nervous system in early life and often follows a birth injury. The establishment of the center offers an opportunity for research on possible means of prevention of the condition as well as on methods of treatment.

### Mid-Year Convocation Set for January 19

THE UNIVERSITY will hold its third annual Mid-Year Convocation of the afternoon of Jan. 19, honoring all of its students who will receive their degrees at the end of the first semester.

The convocation, held in the Wisconsin Union theater, will be followed



MAX OTTO  
Convocation Speaker



by the reception given by Pres. and Mrs. E. B. Fred in honor of the graduating students and their parents in the Great Hall of the Memorial Union.

Speaker will be Emeritus Prof. Max Otto of the philosophy department.

## Students Entering Service Can Miss Exams, Rule

UNIVERSITY students called into service the last few weeks of this semester will get the grades they earned, even if they can't take their final examinations.

University faculty members voted approval of the recommendation last month. It puts into force this semester a rule which covered similar cases last year.

In order to qualify, students had to carry their courses up to the beginning of Christmas recess, Dec. 22, and apply to their dean at the time of withdrawal from the University.

## Home Nursing Course Given University Coeds

PREPARING UNIVERSITY co-eds to care for simple illness in the home and to act as nurses' assistants in case of disaster was the goal of the home nursing course held last month at the University.

The course was offered as part of the Student Civil Defense committee program.

Two classes were held, the first of which started Nov. 26. Meeting on Monday-Wednesday and Tuesday-Thursday of each week from 7-9 p.m., the girls received a Red Cross home nursing certificate upon completion of the three-week course.

Twenty-five co-eds enrolled. They were instructed with a practical approach to the learning of skills and the use of improvised equipment in the home.

Additional classes will be started later in the year for other interested co-eds.

## Midwinter Clinic Brings Music Experts to Campus

MUSIC EDUCATORS throughout the state came to the University campus Jan. 10 for the three-day Mid-winter Music clinic which annually brings them abreast of the newest developments in music education.

Five visiting experts and nine school groups picked for their excellent per-

formance records, as well as all University music groups, participated.

The experts included Prof. Maynard Klein, University of Michigan, who discussed vocal problems; Eugene Carington, educational director of Allied Radio, Chicago, who discussed microphone and recording techniques and problems; Judge Frank Carter, Eagle River, who discussed and exhibited unusual musical instruments;

Prof. Hayden Morgan, Michigan State Normal college, Ypsilanti, who demonstrated the techniques of dealing with the changing voice problem; Prof. Harriett Nordholm, Michigan State college, East Lansing, whose topic was "Elementary Music Teaching and Supervision Problems."

The visiting organizations which performed for the educators included the Nekoosa High School orchestra, the Eau Claire State College choir, the Lake Mills High School band, the Gibraltar High School Boys' chorus of Fish Creek, Wis., the Whitefish Bay High School choir, the Sheboygan Central High School orchestra, and the Oshkosh St. Mary's High School choir.

## IBM Machines Aid Curti's History Research

THEY'RE PUTTING the IBM machines to work on historical research now at the University, where Prof. Merle Curti is supervising preparation of 20,000 cards for the mechanical monsters to sort and analyze.

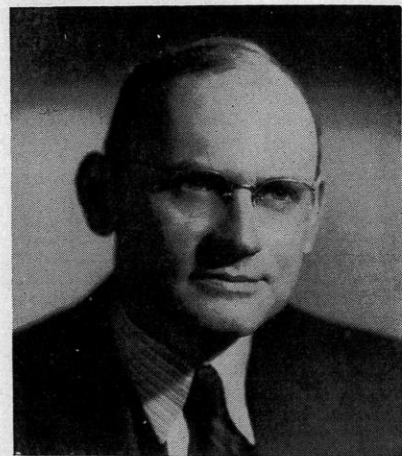
In what is believed to be the first combination of traditional and machine research ever attempted on an historical project, Curti and three assistants are seeking to prove or disprove Frederick Jackson Turner's thesis that the frontier fostered democracy.

Curti has been Frederick Jackson Turner professor of history at Wisconsin since 1947.

"We've heard considerable criticism by Eastern historians of Turner's theory," Curti explains, "so we've chosen a Wisconsin frontier community to study the theory from all angles."

The area selected for research is Trempealeau county, where there are no big towns and no industries. With Graduate Students Robert Daniel, Shaw Livermore and Warren Susman, Curti is analyzing every family living in the county between 1850 and 1890.

By interviewing old settlers and by reading through old manuscripts, newspapers and unpublished census data, the research team is collecting masses



MERLE CURTI  
Mechanized History

of material to be put on cards to be fed the machines.

"We've made field trips to study the county at first hand, but we have many more newspapers and manuscripts to look through before we're through," Curti says.

"Up to now, machines have been used to gather historical economic data, but we believe our combination of IBM and traditional methods to test all historical aspects of the grass roots is unique."

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## FACULTY

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### Prof. Bohstedt Gains Livestock's Hall of Fame

PROF. GUSTAV (Gus) Bohstedt of the College of Agriculture in November was placed in the livestock world's gallery of fame, located in Chicago's famed Saddle and Sirloin Club.

The oil portrait of Prof. Bohstedt was unveiled in a recognition ceremony on the eve of the recent International Livestock exposition in the Windy City. The top names in agriculture gathered to honor "Gus" for his many contributions to the cause of helping farmers to produce better livestock at less cost. Prof. Bohstedt, who since 1943 has been chairman of the UW's animal husbandry department, has been on the faculty since 1928. He received his BA degree from the University in 1915 and his MA in 1916, following a year as a member of the animal husbandry staff.

Livestock was his specialty and his interest centered in research. He immediately began the work which has led to his recognition as an international authority on livestock nutrition.

During his student days, Bohstedt had listened with interest to the biochemistry lectures of Dr. E. B. Hart, who told of food elements which acted as sparks to speed growth in man. The same thing, thought Bohstedt, should apply to animals. Many farmers knew nothing of balanced rations or the importance of mineral elements in foods.

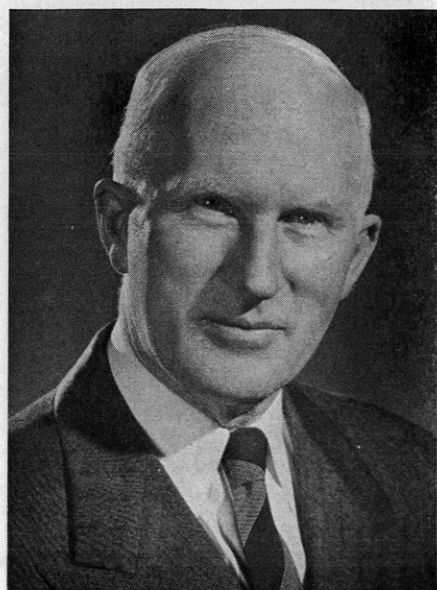
Prof. Bohstedt went out to help the farmers with this fundamental problem. The livestock farms were his research laboratory. He got to know the farmers well.

Sometimes the farmers themselves gave the researcher helpful hints. The Scotch farmers kept telling him that it was good to feed animals a "wee bit of oats." Oats had always been a standard feed for horses, but Bohstedt was skeptical about cattle. He investigated and found that the Scotch had something. Oats were rich in manganese.

Facts that were strange when Bohstedt lectured in his classrooms and gave talks before farmer's groups around the state are now standard practice on most farms. A bit of copper in the ration helps put iron into a healthy blood stream. Bone meal makes for strong boned animals. Once a waste, bran and middlings make a great dairy feed. The cottonseed meal which southern gin mill operators once burned increased milk and meat output.

### Prof. Wallerstein Wins Phi Beta Kappa Award

A UNIVERSITY English professor has won the first \$1,000 Phi Beta



**GUSTAV BOHSTEDT**  
Hall of Fame

Kappa prize award to an author, the national selecting committee announced last month.

Philadelphia-born and educated Ruth Wallerstein received the honor for her "Studies in Seventeenth-Century Poetic." The award is to be given annually to the author of the best book of the year published by a university press in the field of literary scholarship or criticism. Prof. Wallerstein's book was published by the University of Wisconsin Press.

Now a specialist in 17th-century literary study, Prof. Wallerstein attended Stevens School for Girls in Philadelphia, received her BA degree from Bryn Mawr in 1915, then studied at the University of Pennsylvania, where she received her MA in 1915 and Ph.D. in 1917.

She worked for the government for two years, taught at Louisiana State Normal college for a year, and then joined the University faculty in 1920.

Prof. Wallerstein has written other books on 17th-century literature—among them "King John in Fact and Fiction" and "Richard Crashaw"—and numerous articles in Modern Language Notes. She is a member of the Modern Language association, American Association of University Professors, American Society for Aesthetics, National Education association and Phi Kappa Phi.

### American Chemical Society Elects Prof. Daniels

PROF. FARRINGTON Daniels, University scientist of atomic energy and nitrogen fixation fame, is the new president-elect of the American Chemical society.

Prof. Daniels will become president-elect Jan. 1 and will serve his one-year term as president in 1953. He was elected by mail balloting of the society's 67,000 members.

The organization is the largest society of scientists in the world.

The UW scientist was nominated for the presidency at the Diamond Jubilee meeting of the American Chemical society which opened in New York Sept. 3.

Minneapolis-born, Dr. Daniels received his BS and MS degrees from the University of Minnesota in 1910 and 1911. His Ph.D. in chemistry was awarded at Harvard in 1915. Daniels taught at Worcester Polytechnic institute during 1914-17, was a research chemist for the federal Bureau of



**RUTH WALLERSTEIN**  
Distinguished Award

Mines and a first lieutenant in the Chemical Warfare service in 1917, and worked in the U. S. fixed nitrogen-research laboratory from 1918 to 1920.

He came to the University in 1920. He directed the research and development of the "Wisconsin Process" of atmospheric nitrogen fixation, a new and simple method of producing nitric acid from the air. Nitric acid is the base for nitrate fertilizers and explosives. The process is now going into commercial development.

Dr. Daniels played a major role in wartime atomic research and is continuing his inquiries in that field.

He gained national recognition during the war years for his research at an administration of the Metallurgical laboratory at the University of Chicago, a part of the now famous Manhattan project. After doing war research at the UW during 1942-44, he became director of the Metallurgical laboratory during 1945-46. In 1946 he was made chairman of the board of directors of the Argonne National laboratory of the Atomic Energy commission. He acted in this capacity until 1948.

His other current research interests are photosynthesis and utilization of solar energy.

### Faculty Notes

PROF. ROBERT Pooley, chairman of the department of integrated liberal studies at the University, has been named chairman of the Wisconsin state committee on general education.

PROF. RAYMOND Dvorak, director of University bands, presided over the annual Midwest Band Directors conference at Chicago last month.

Some 2,500 bandmasters spent three days listening to and talking about band music with topflight conductors like Paul LaValle and organizations like the Miami Senior High School band, which was invited to fly to Chicago for the occasion.

As president of the organization, Dvorak gave the main address at the conference banquet.

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A UNIVERSITY professor, George Urdang, is one of six authors whose writings are included in a special publication on the development of antibiotics.

Professor of the history of pharmacy and director of the American Institute of the History of Pharmacy, Urdang's paper on "The Anti-Biotics and Pharmacy" was presented at a symposium on anti-biotic development.

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PROF. MERLE Curti of the history department and Kendall BIRR, UW graduate in history, are readying for publication a book to be called "Prelude to Point Four."

The book, which was inspired by Curti's graduate seminar on American reputation and influence abroad, traces these influences from their beginnings.

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## ALUMNI

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### Wisconsin Senator Buchen Dies After Long Illness

GUSTAVE W. Buchen, '09, who since 1940 had been a member of the Wisconsin senate, died early in December after a long illness. He was 65.

A native of Wisconsin, Sen. Buchen was granted a UW law degree in 1912. Between 1909 and 1911 he served on the faculty at the University of Oregon and was, at 24, the youngest man in the college's history to hold a professorship. While working for his law degree at the UW, Sen. Buchen was an instructor in the English department.

He practiced law in Milwaukee previous to his election as state senator.

### Government Sends Alumnus To Office in Japan

MICHAEL F. Kresky, '28, last fall was named to take charge of a branch of the federal office of alien property



UW GEOGRAPHER Kirk H. Stone spent part of last summer in the wilds of Southeastern Alaska studying the actions of one of the regions "self-dumping" lakes. The level of Lake George, the one which Prof. Stone studied, dropped by more than 100 feet, the water flowing through a gorge in the ice and eventually into the sea. Details of the mechanism of this flow are still unknown.

being opened in Japan. Kresky, who has been in the office at Washington since 1943 and chief hearing officer since 1946, left for Japan late in December.

Seized property valued at more than \$1,000,000 will come under the jurisdiction of Kresky, who is a former Wisconsin state senator and a former president of the Washington, D. C., alumni club.

### New Campus Grandfather

PRES. AND Mrs. E. B. Fred became grandparents for the first time late in November when a baby girl was born to their daughter and her husband, Mr. and Mrs. Thomas L. Moffatt of Madison. Mrs. Moffatt, the former Rosalie Fred, is a 1948 graduate of the University. Her husband, a 1951 graduate, is an air force captain stationed at Truax Field.

### Badger Named President Of Manufacturer's Group

WILLIAM J. Grede, x'19, president of Grede Foundries, Inc., Milwaukee, in December was elected 1952 president of the National Association of Manufacturers.

Grede financed his education at the University by selling pots and pans and working summers. He left the UW after his sophomore year when his father told him it was time he started

to earn a real living, with or without an education.

The sum of \$400 he had saved during the previous summer to pay for his junior year at college was invested in the Liberty foundry in Wauwatosa. That investment has grown to the point where Grede now heads a company with six plants, five in Wisconsin and one in Upper Michigan. He employs 1,100 persons.

As chairman of a foundry industry research committee, Grede pioneered in efforts to combat silicosis, a once dreaded industrial disease.

### 1917 REUNIONS

PLANS ARE underway for the 35th reunion of the class of '17, scheduled to be held during Commencement-Reunion weekend next June. Monthly meetings have been held since last fall, and preliminary notices have already been sent to 1,400 members of the class.

An informal program has been mapped out, and any suggestions from class members should be sent to the Class of 1917, Wisconsin Alumni Association, 770 Langdon St., Madison.

Further details on the program will be included in later issues.

The world land tenure conference held last fall at the UW was a significant step in the fight for harmony among nations. Land problems are the bases for many of the troubles which thwart our attempts at peace, and 70 delegates from 38 nations came to Madison to discuss these problems. Here is a final report on what they did and said . . .

## Land Tenure Conference

**T**HE UNIVERSITY campus developed a decided international air last fall as 70 delegates flew in from 38 foreign nations to attend the Conference on World Land Tenure Problems.

The foreigners were economic and agricultural specialists who came to discuss problems of land ownership and reform in their native lands. From October 8 to November 17 they met in conferences in the Memorial Union and in workshop sessions to learn how agricultural conditions the world over may be improved. In those five weeks they telescoped enough hours of meetings to fill a schedule for a student's normal school year.

### What is Tenure?

Just what is meant by land tenure? A good definition was given by D. A. Fitzgerald of the Economic Cooperation Administration, who came out from Washington and said: "Land tenure means all arrangements by which farmers control land. Land reform covers the changes in agricultural economic institutions which improve the economic, social and political status for the man on the land."

In this age of machines, cities, industrial civilization and atomic power, land tenure problems still lie at the root of some of the most perplexing peace-disturbing problems of the world. In many countries farming is the bulk of the economy. With this fact in mind, the University proposed to the U.S. Department of Agriculture that a conference and training program on land tenure problems be inaugurated, attended by delegates from any nation in the free world. The proposal met with ready support from the Department of Agriculture, the Technical Assistance (Point IV) administration of the U. S.

State department and the Economic Cooperation Administration.

The ECA, the State department, and the USDA took part in bringing delegates from Europe, Africa and the Middle East, India and Pakistan, Southeast Asia, the Far East, Central and South America and the United States to be guests of the University in Madison. The delegates were not chosen as representatives of their respective countries, but were picked according to their qualifications in interest, training and experience in land tenure problems.

No one expected that the conference would give simple answers to age-old tenure problems. The best intention was that a select group of leading world authorities in the field might, by talking out their experiences and problems, explore possibilities for improvements. As the steering committee of the group reported, one finding of the conference is that land tenure is an extremely urgent world problem. If social justice is to be the foundation of democracy, land tenure needs the attention of the free world.

The steering committee pointed out that a big land tenure problem is the concentration of land ownership in a few hands. Many nations have a number of large—and often poorly managed—farms, existing side by side with numbers of small and uneconomic farms. Therefore, many countries have started land reform by redistributing land, by sale, lease or other legal arrangement.

The committee recommended establishing at the University a permanent central committee, to keep up the stimulation and inspiration started by the conference.

Some of the purposes of the central committee would be to provide for a regular exchange of information be-

tween countries, sponsor exchange of land and agricultural experts, and encourage research in every way in land tenure fields. The steering committee advised collaboration to the greatest possible extent with agencies of the United Nations and the supplementing of work already done by international organizations in land tenure.

Three general types of sessions were used in the conference. Each morning the entire group met to take up broad questions of tenure improvement—area problems, financial history of land redistribution programs and tenure problems in primitive economics.

### Workshop Sessions

Small groups met in afternoon workshops to consider particular problems of tenure improvement.

Two evenings each week the experiences and problems of different countries were reported and illustrated. The morning and evening sessions were open to the public.

In his opening address to the conference, Assistant Secretary of State Willard L. Thorp told the delegates that land reform is a job for the people of each nation. "There have never been so many dissatisfied people in the world," Thorp said. "This is not because there is more misery than at other times, but because there is more knowledge of how other people live."

Delegates, from all the countries represented, told the conference what their own national problems were, and in many cases, described land reform programs now under way.

Three essential principles of a fair land system were pointed out by Henry G. Bennett, head of this country's Technical Cooperation Administration (Point IV). Bennett, former president of Oklahoma A & M, said that "the farmer

# Land Tenure Through

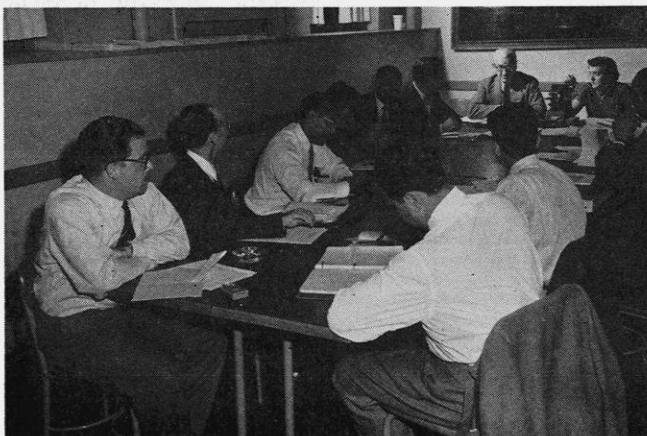
THE DELEGATES met in daily sessions and heard reports from nations represented, like the one being given here by Mohamed Abdel Wahab Ezzat of Egypt.



LANGUAGE DIFFERENCES were solved by an earphone translator service. UW language experts did the translating.



UW DORMITORIES provided excellent study and living facilities for the foreign visitors.



WORKSHOP SESSIONS were held, at which problems arising were tackled head on under the guidance of experts.



DURING THE conference a recording was made at WHA for broadcast by Voice of America.

# Conference e Camera

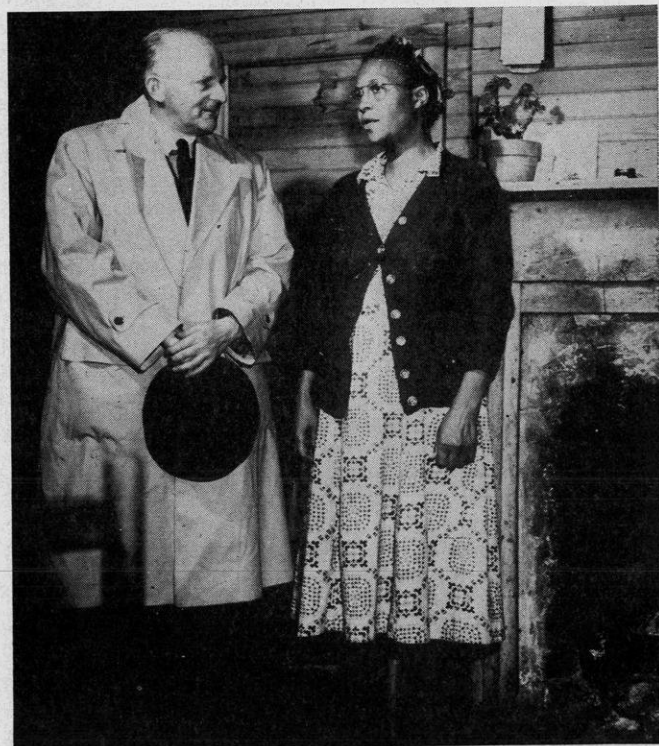
WISCONSIN FARM families showed some Badger hospitality.



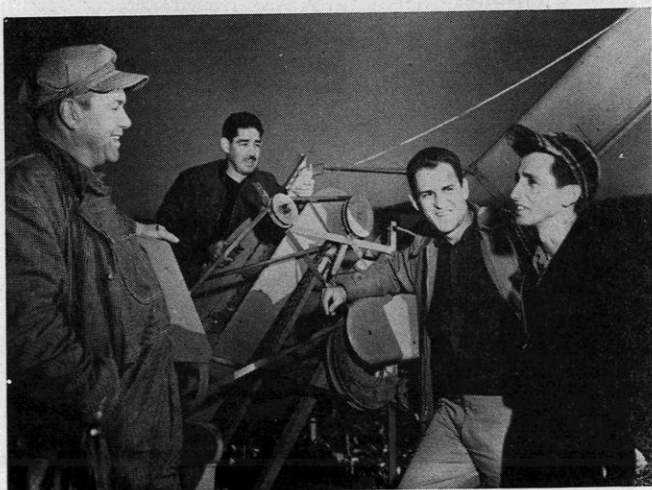
THE VISITORS took a trip through the south and got a first-hand look at share-cropper living.



THE UNIVERSITY gave "diplomas" to the delegates for participating in the conference. Here Henry G. Bennett, head of the State department's Point Four program, gives a diploma to Keiki Owada of Japan.



THEY STOPPED at Washington, D. C., and had a visit with Pres. Truman on the final day of the conference.



THE DELEGATES talked to Wisconsin farmers.

must be able to own or use land he tills under fair tenure conditions. He must have access to credit on reasonable terms, and he should also have access to knowledge and techniques that will make his efforts productive to him and to society."

An economist from the University of Punjab in Pakistan, S. M. Akhtar, distinguished "cooperative farming" from "collective farming."

"Membership in a cooperative organization must be voluntary," Akhtar said. "Whenever coercion is used, the society is no longer a cooperative. The decisions of a cooperative must be made democratically." Akhtar felt that the cooperative village will "serve to carry out the democratically arrived at decisions of the community as a whole."

### Syrian Problem

A Syrian official told the conference that his country is suffering from fragmented land holdings due to inheritance. Akram El-Ricaby, director general of the Hejaz Railways, said that every member of a Syrian family inherits a portion of the family land, and after several generations, the land is divided into units too small for any one of the people. The Syrian government, Ricaby said, is faced with a difficult problem in re-distributing the land to the landless people.

The land tenure system in Egypt was explained by Mohamed Abdel Wahab Ezzat, Egyptian agriculturist. Ezzat said that the average size of Egyptian farms is six acres. He declared that the Egyptian farm workers' wages bought only half as much land as do wages of American farm workers. "In some cases," Ezzat added, "rents charged on Egyptian land are higher than the net output from the land operated by the owner. Tenants in Egypt are frequently little better off than agricultural laborers."

### Law in England

Land owners, tenants, agricultural workers and the state enter into a landlord-tenant contract in England, John Stuart Hill, chief land commissioner for the Ministry of Agriculture and Fisheries in England, told the conference. Parliament passed an act in 1947 that, according to Hill, "provides for all those working on the land or connected with it, the machinery for increasing the efficiency of agriculture and stepping up food production." Previously, owner-tenant disputes in England have been governed by contract, custom, common law and various acts of Parliament.

A U. S. State Department official, Wolf Ladejinsky, said that the Asian nations, with United States aid, must cooperate to establish land reform in their own countries, or the communists will do it. Ladejinsky, an agricultural attache to the U. S. State Department, stated, "the real reason there are no land reforms in many agrarian Asian countries is because the powers don't want reforms." He showed that through the land reform program in Japan, the Communist party there has been crushed. In a recent election in Japan, three-tenths of one per cent of the total farm vote went Communist.

Jose E. Velmonte, economist for the University of the Philippines, outlined a plan for the promotion of farm ownership in the Philippine Islands. The Philippine government, he said, is pushing a vigorous land reform, aiming at the establishment of a great body of freeholders. "Agricultural Extension is being overhauled under competent American direction so as to make science effectively serve the farmers," Velmonte said.

The relations between owners and tenants in Sweden are ultimately regulated by legislation, Gustav Ytterborn of the Swedish Royal Board of Agriculture told the delegates. Lease contracts there have to be written, Ytterborn said.

The conference learned from Otto Schiller, agricultural economist from Germany, that farm machinery cooperatives are being promoted in Germany. However, much of this effort, Schiller said, "is blocked by the strong individualism of the farmer who dislikes to become dependent upon others. He prefers to have his own machine, even though it may be uneconomical."

India is seeking to evolve a uniform system of land tenure, combining peasant proprietorship with the development of self-governing village communities that own and manage all the common lands. This reform policy was explained by Aditya Nath Jha, secretary to the Ministry of Agriculture and Cooperation, United Province, India.

Manlio Rossi-Doria, Italian land reform specialist, compared land reform in Italy to the atom bomb, saying that "land reform must be used with the head and not with the hands." The situation varies in Italian provinces, Rossi-Doria said. In some cases the non-operator ownership condition causes no trouble—in other places it is a great hindrance.

Besides going to conference and workshop sessions, the delegates saw

first-hand examples of American agriculture on field trips. On one such trip near Lake Mills each delegate followed a Wisconsin farmer through his daily routine. Other trips took the foreign agriculture specialists through a machinery factory in Milwaukee, a milk processing plant in Sauk City and a canning factory in Dodge county. The delegates attended the corn field day at the University's Charmany farm to see exhibits, buildings and machinery on display.

Commenting on American mechanized agriculture, Hsiao Tseng of the Chinese government on Formosa said that "here it is possible to mechanize, but in China the farms are too small. There are seldom more than one or two cows on the farms there and machine milking is not practical."

### Tour of South

The delegates completed their conference work with a nine-day tour through midwestern and southern states and a three-day visit in Washington, D. C. On the tour they visited Chicago, an Illinois cornbelt farm, Purdue University and a tobacco and livestock farm in Kentucky. The group toured the Tennessee Valley authority project, and the Carolinas, before going to Washington.

More than 80 individuals from the University helped with the conference details and arrangements. General conference chairman was Raymond J. Penn, chairman of the department of agricultural economics. Assisting Penn was Philip M. Raup, agricultural economist in charge of arrangements. Other conference committee members were Noble Clark, associate director of the agricultural experiment station; Jacob H. Beuscher, law professor; William H. Sewell, rural sociologist, and Bryant Kearn, agricultural editor.

### 'Faith in Future'

At the closing session of the conference, Pres. E. B. Fred told the delegates: "This conference was built upon faith in the future. There were elements of faith in the willingness of the United States government to sponsor these sessions. There were elements of faith in the University of Wisconsin's being host. There was faith in the belief that the democratic way of making change is the peaceful and orderly way—that peaceful adjustment of differences is the essence of democracy."

# The University's Hollywood

★ In recent years a movie-production unit has been focusing its cameras on the citizens of Wisconsin and their activities. Its sets have been Wisconsin school houses, homes, government buildings. The production unit has come from the UW's bureau of visual instruction. The making of motion pictures is just one of its many services.

**L**AST MONTH in Milwaukee a group of aldermen filed into their council room to hold a meeting. The setup was the same as usual except that a movie camera and equipment were lined up on one side of the room.

The aldermen shifted about a little nervously waiting for things to begin. None of them had ever acted in a moving picture before. They were understandably apprehensive.

Then one of the men in the camera crew snapped a sound-cue board with the number of the scene on it and the aldermen started their meeting. The camera began to grind.

For a while a serious debate concerning Milwaukee's civic affairs was carried on. It was interrupted by the director, Jack Tiffany. "Cut," he called. "Let's do that again." He gave some directions to the aldermen, had the camera shifted to a different angle. The scene was started over.

This time Director Tiffany nodded his head in approval. Scene 227 was okay.

A Hollywood set, in its essentials, wouldn't have been much different. But there were no professional actors in this scene, shot in Milwaukee's City hall. And the director and camera crew didn't represent the nation's film capital. They were members of the movie production unit of the University's bureau of visual instruction, an agency which is providing ever increasing service in visual aid education to the people of Wisconsin.

The scene described above is part of a film currently being produced on Milwaukee city government. Its purpose will be to provide a documentary for use in school civics classes. It is being done

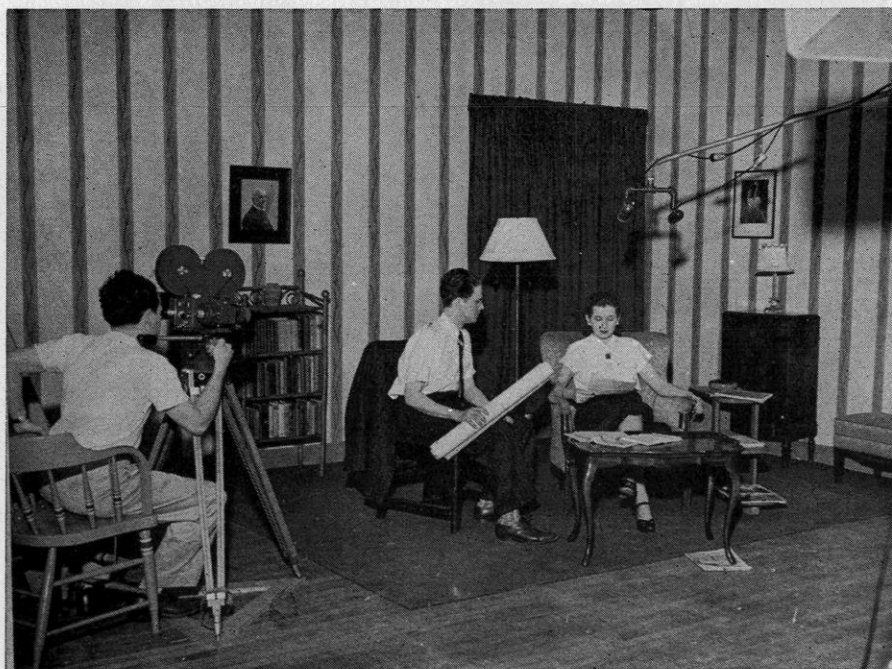
at the request of the City of Milwaukee, which will pay the costs.

The film production unit is a comparatively new arm of the visual instruction bureau, but in the last four years the films it has produced have gained wide popularity, both in and out of Wisconsin. They have been purchased by 18 other states, Hawaii, Puerto Rico and Norway.

All of the films are produced at the request of some organization, which in each instance foots the bill. But the costs have been startlingly low. One film, for

example, cost \$10,000. Three commercial companies had estimated the cost as high as \$85,000.

Outstanding among recent films are "Badger Birthday," a 40-minute reel in sound and color which was produced for the State of Wisconsin during the Centennial year; "Better Schools for Rural Wisconsin," which was financed by a Milwaukee newspaper and which is now in use in Wisconsin, Connecticut, Illinois, New York, New Hampshire, Indiana and Norway; "Show Time," which depicts a Wisconsin Idea theater



**HERE IS** the BVI's movie-production unit at work. The cameraman is taking one of the scenes from a series of German language films made for use in classrooms. Sponsored by the UW departments of philology and German, the films are the first by which the sound and intonation of a foreign language may be taught.





**THE LIBRARY** of the BVI now contains 12,000 reels and over 3,000 titles. Each month between 10,000 and 12,000 reels are sent out from the library to groups in Wisconsin and some outside of the state, including more than 1,400 schools and colleges and 800 adult groups.

production; "Mastitis Control," which was made for the UW's College of Agriculture; "Face of Youth," a film about Wisconsin's child guidance centers which was financed by the state board of health, and a German language series of four films for use in language courses.

This latter series represents the first time that the sound and intonation of a foreign language has been taught through the medium of sound film. It has been a highly successful venture.

The UW's departments of comparative philology and German, for whom the film was produced, were at first reluctant to go ahead with the project. Their representatives weren't sure that film would provide an effective classroom device in the teaching of a foreign language.

But the visual instruction men were sure it was a worthwhile idea. They won their point, and the language departments agreed to sponsor one film. After they had seen it, and noted its effect in the classroom, they wanted the bureau to make a series of 16 films. Limited facilities made this impossible, and the number settled on was four.

The method employed in the language films is an imitative technique in which the students repeat the sounds they hear. It is basically the same method by

which a child learns to speak its native tongue from its parents.

"Face of Youth," the mental health film, is probably the bureau's top production from a technical standpoint. It got this comment from a critic in a recent issue of the Saturday Review of

Literature: "'Face of Youth' is one of those film surprises a reviewer dreams of but never really expects to stumble upon. Produced by a university film unit with little fanfare and relatively little staff and equipment, it is a first-rate film by almost every standard."

Producer and author of the script for "Face of Youth" was Herman Engel of the BVI staff. He used only one professional in the cast. The rest were school children, parents, nurses and teachers from the Madison area. The scenes were laid in school rooms, homes and a child guidance center.

The film was a year in the making, and an original musical score was composed by Prof. Hilmar Luckhardt of the UW School of Music and recorded by student musicians under the direction of Prof. Richard Church. A WHA announcer especially trained in movie technique served as narrator. This sort of cooperation is the usual thing when the BVI undertakes a production.

When some state governmental agency requests that a film be made, the BVI and a faculty advisor who is an authority in the particular field first investigate its educational worth as related to the state as a whole. If they pass it on this score and it's given an okay by Prof. Lorentz Adolfson, director of the UW Extension division, the production unit swings into action.

Research comes first, and that's usually undertaken by Tiffany, who is one



**CLASSES ARE** conducted by the BVI both off and on the campus to instruct Wisconsin teachers in the most effective use of visual aids in their classrooms. This instruction includes classroom demonstrations of the latest techniques and films.

of the two full-time staff members assigned to film production. Research is likely to take six months. Interviews are held, experts in the particular field consulted and background material studied. Then, when the facts have been carefully collected, the script is written and divided into sequences, scenes and shots so that a shooting schedule can be set up.

Once the shooting has started, the crew uses an average of 12,000 feet of film to get a movie that will run from 1,000 to 2,000 feet in its final version. Bad scenes are retaken and then all the acceptable ones are put together in proper order. These are trimmed to give maximum effectiveness and continuity. The same thing is done with the sound track.

If there is to be a musical score, Prof. Luckhardt gets the finished work print. He watches it for perhaps a month before he starts composing. Prof. Church and the student musicians then make the recording while watching the film. Finally, the narrator records his commentary and the sound tracks are put together.

Films are not the only service provided by the production staff of the BVI, however. They also make film strips for the use of groups that cannot afford the costlier motion pictures.

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ACTUALLY, of course, film production is only one of five services in the BVI's program. Its other services include film distribution to Wisconsin schools, on-campus audio-visual service, teaching, and consulting service to schools throughout the state.

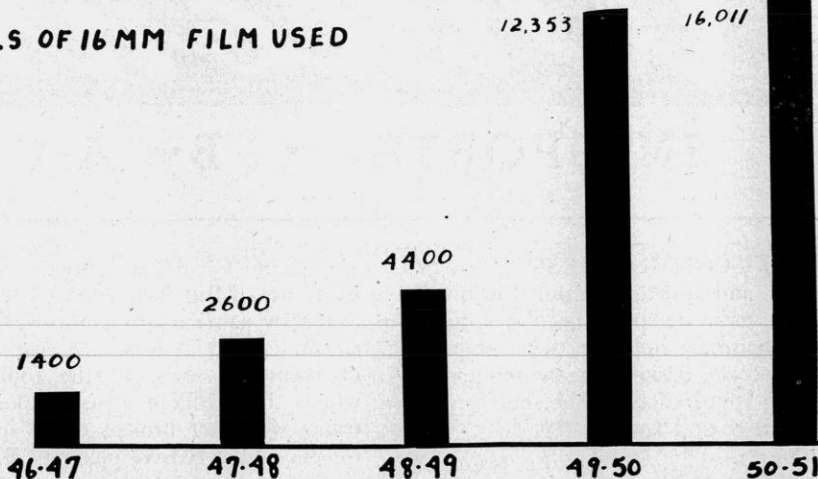
All of these services have mushroomed in scope since 1945, though the BVI came into existence in 1913. It was originally set up as a depository and distribution agency for slide and non-projected photographic materials, but it gradually moved in the direction of motion picture film service to the University and to the public schools of Wisconsin.

This movement was accentuated during World War II, and since 1945 the BVI has developed the largest University film library in the U. S., with 12,000 reels and over 3,000 titles in its library. This growth has occurred under the guiding hand of Director W. A. Wittich and Assistant Director C. F. Schuller.

The library, which is circulated among more than 1,400 schools and colleges and 800 adult groups, consists of

## ON CAMPUS SERVICE BUREAU OF VISUAL INSTRUCTION

### REELS OF 16MM FILM USED



THIS GRAPH illustrates the growth of the BVI's on-campus service since 1946. This service gives assistance in selecting and procuring films, arranging for previews, providing equipment and operators. Of 132 UW departments, 119 last year used films.

films in all categories from kindergarten and primary films through those suitable for college and adult use. In an average month, between 10,000 and 12,000 reels are sent out from the library.

\* \* \*

THE on-campus service of the BVI has increased tremendously in the last five years. This year, for example, 119 of the 132 UW departments are regular users of sound films in their classrooms. They used over 2,000 400-foot reels per month, a 1,000% increase over 1946.

During the current year, 82 16mm projectors are in constant use by these departments. In 1946 there were less than half a dozen.

Supervisor of the on-campus service is Harold Hailer. His assistant is Dick Williams, and they have on hand a maintenance man and 17 student operators, most of whom are taking graduate work in audio-visual instruction.

All of the films used in University classrooms are carefully previewed and evaluated by members of the faculty. This same procedure is used with new materials considered for purchase for both on and off campus use, and teachers representing all sections of the state join in the evaluating.

This great increase in the use of films for University teaching did not

come easily. But key faculty men, such as Profs. C. V. Easum, E. A. Krug and J. L. Miller, led the movement, and once the idea caught on it grew rapidly.

\* \* \*

IMPROVED TEACHING at all levels is the fundamental purpose of the BVI program. To help achieve better teaching through the use of audio-visual material in the state, the extension division and the department of education have set up a series of classes both on and off the campus.

\* \* \*

During the last five years 36 off-campus classes have been offered in 30 Wisconsin communities in a basic course called "Methods of Audio Visual Instruction." Over 1,000 Wisconsin teachers have enrolled in these courses. Approximately an equal number have received instruction on campus, where audio-visual courses have been offered since 1933.

Both the off and on campus courses deal with many aspects of audio-visual instruction, including such basic elements as the most effective use of posters and blackboards. When BVI men go out into the state, they first explain the techniques to the teachers and then demonstrate their use under actual classroom conditions.

# On Wisconsin

IN SPORTS • By Art Lentz



**W**ISCONSIN VARSITY teams and athletes continued to hit the national sports headlines during the Christmas holidays, with emphasis on football, basketball, swimming and boxing appearances on the southern and western coastal fronts.

On Dec. 27, the boxing team met Louisiana State university in a Sugar Bowl sports feature at New Orleans, while on the same night, Wisconsin's cagers met Oregon university in the first game of a doubleheader in San Francisco's famed Cow Palace. The next night, Wisconsin played California in basketball.

Meanwhile, the varsity swimmers participated in the Fort Lauderdale, Fla., Aquatic forum, sponsored from Dec. 23 to Jan. 3 by the College Swimming Coaches Association of America. Many Badgers competed in the East-West relays on New Year's Day.

The spotlight for individuals went to the football players in various Bowl games played during the holidays. Three defensive stalwarts, End Gene Felker, Halfback Jim Hammond and Tackle Jerry Smith, were members of the East team in the Shrine game at San Francisco on New Year's Day. Christmas night, End Hal Faverty, Linebacker Deral Teteak and Quarterback John Coatta played in the North-South shrine game in the Orange Bowl stadium at Miami, Fla. Faverty and Coatta also played in the Senior Bowl game at Mobile, Ala., on Jan. 5. Over at Montgomery, Ala., Wisconsin Coach Ivy Williamson helped prepare the northern representatives for the Blue-Gray game Dec. 29. Badgers playing in this post-season game were All-American End Pat O'Donahue and Rollie Strehlow.

\* \* \*

IF YOU THINK the football team has not won enough honors . . . Take a peek at this compilation of all-star selections where Badger gridders seem to dominate.

Out of 17 All-American, all mid-west, or all-Big Ten teams (those selected by some major authority), Wisconsin landed at least one man on 13 of them! In three of the four cases where the Badgers were blanked, the teams were not broken down into offensive and defensive platoons. Wisconsin, as you know, had its main strength in defense.

Here are the major selections:

**ALL-AMERICAN FIRST TEAM—**  
*Pat O'Donahue*, end on defense on Look (Football Writers), Associated Press and Newspapers Enterprise Association (NEA). *Hal Faverty*, offensive end, International News Service. *Ed Withers*, defensive halfback, Gridiron Record.

**ALL AMERICAN SECOND TEAM—**  
*Faverty*, on defense, Gridiron Record. *Deral Teteak*, Linebacker, Chicago Tribune players' poll.

**FIRST TEAM ALL MIDWEST—**  
*O'Donahue*, defensive end, Associated Press; *Faverty*, Linebacker, International News Service and Chicago Tribune players' poll. *Gene Felker*, offensive end, Collier's magazine. *Bill Gable*, guard, International News Service. *Bob Kennedy*, defensive guard, Associated Press. *Teteak*, linebacker, Associated Press, Chicago Tribune players' poll. *John Coatta*, quarterback, Collier's magazine, Chicago Tribune players' poll.

**SECOND TEAM ALL MIDWEST—**  
*Felker*, offensive end, Chicago Tribune players' poll. *Jerry Smith*, defensive tackle, Associated Press. *Gable*, offensive guard, Chicago Tribune players' poll. *Alan Ameche*, fullback, Associated Press and Chicago Tribune players' poll.

**FIRST TEAM ALL BIG TEN—**  
*O'Donahue*, defensive end, Associated Press, Big Ten school newspaper poll. *Faverty*, offensive end, Big Ten school newspaper poll. *Smith*, defensive tackle, Associated Press, Big Ten school newspaper poll. *Kennedy*, defensive guard,

Associated Press, Big Ten school newspaper poll. *Teteak*, linebacker, Associated Press, Big Ten school newspaper poll. *Coatta*, quarterback, Associated Press, United Press, Big Ten school newspaper poll.

**SECOND TEAM ALL BIG TEN—**  
*Faverty*, end, United Press. *Smith*, tackle, United Press. *Kennedy*, guard, United Press. *Ameche*, fullback, United Press.

In addition, Don Voss, Badger defensive end, and Ameche rated first team berths on the Associated Press All-American freshman team. Clarence Stensby, third Badger frosh to win a major letter this fall, was given honorable mention.

Quite a sweep of the honors, wasn't it?

\* \* \*

THERE ARE some good stories still being told about the rambunctious Badger defensive platoon.

One admirer of the "Hard Rocks" wrote members of the offensive team, asking that they "kick on first down" so he could see more of the defensive platoon.

Actually, the defensive platoon outscored Wisconsin opponents 58-53 this past season. Here's how they did it. They scored four touchdowns, two on pass interceptions and two on recovery of bad center passes in the end zone. That's 24 of the points. They also accounted for 8 more points on four safeties. That makes 32 points altogether.

The other 26 points come on points after touchdown and two field goals, since nine of the 11 men on the field during such plays are members of the defensive platoon.

If there was some argument about getting the credit for the placekicks, the defensive team soon settled it by a player vote. How did it turn out? Of course, it was 9-2 in favor of the defense.

EIGHT OF the nine seniors who played defense the past three seasons for Wisconsin scored at least two or more points during their careers. The only one to miss was Safetyman Bill Lane.

He came close, however, in the Indiana game. The Hoosiers were backed down deep in their own territory and were forced to punt. Just before the kick (time out had been taken), the Badger defensive seniors told Lane that they would refrain from rushing the kicker in order to drop back and form a wedge or "meatchopper" as they called it. Lane was to catch the punt and enter the wedge which would chop a hole through to a touchdown.

Well, the ball was snapped and Lane waited for the ball. But, lo, young Don Voss, freshman defensive end, had ideas of his own. He blocked the punt and recovered the ball. Yet he wondered why he got cold stares from the seniors after that.

\* \* \*

### BADGER BREVITIES

WISCONSIN'S 1952 crew schedule includes races with Navy, Massachusetts Institute of Technology (MIT) and California, and participation in the Eastern sprints at Princeton, the IRA at Syracuse and the Olympic Trials at Worcester, Mass.

Wisconsin baseball teams now will play a 15-game Big Ten schedule, meeting each other member at least once, some twice and one (Northwestern) three times each season.

\* \* \*

THE SPORTS Film Library is going full blast. For several weeks after the football season ended, this department was averaging more than 50 film bookings each week. Biggest items on the list were the Northwestern and Minnesota games.

The two basketball games at San Francisco's Cow Palace, Dec. 27 and 28, were broadcast direct from the scene of action. More than 32 stations in Wisconsin carried the broadcasts, which are produced by the athletic department in cooperation with WHA and the state radio FM council.

One more football story—the defensive team wanted to play the offensive platoon in a charity game at Camp Randall stadium after the season ended. One unusual condition was agreed upon—the offensive team could have the ball all the time since the defensive team felt it could outscore the others any time without the ball.

## 1917 Scholarship Fund

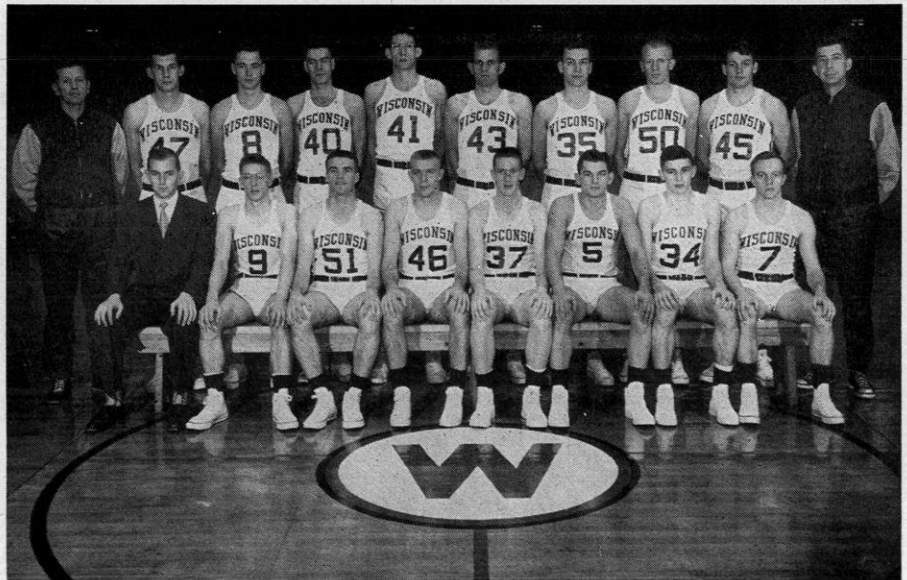
A CLASS of 1917 scholarship fund was launched in November with a letter to all members of the class. The goal is two-fold: a fund of \$25,000 or more and full participation by the class. The fund will be given to the University in June of 1952 as a memorial to 34 classmates who were killed in World War I. The presentation will be one of the highlights of the 35th reunion.

Thirty-eight subscriptions totalling \$2,105 were received up to December 1. Eighteen are for \$25, eight for \$50, four for \$100, and the rest for various amounts ranging from \$5 to \$500. All gifts are being turned over to the University of Wisconsin foundation and acknowledgments sent by the foundation to the donors.

The foundation is officially recognized by the bureau of internal revenue and by the Wisconsin department of taxation as a tax-exempt, charitable organization. Gifts to the fund are therefore deductible as contributions on federal and Wisconsin income tax returns.

This winter a personal canvass is being made under the direction of the scholarship fund committee. Members of the committee are: Ray Albright, Rochester, N.Y.; Norman Bradish, Winter Park, Fla.; Harry Bullis, Minneapolis; Mead Burke, Madison; George Chandler, Falls Church, Va.; Al Fiedler, Milwaukee; George Garrigan, Beloit; Gunnar Gundersen, La Crosse; Kate Huber, Indianapolis; Don Kletzien, Menasha; Herbert Mandel, Detroit; James March, chairman, Milwaukee; Hugh McArthur, New Haven, Conn.; James McManus, Chicago; Joseph Mangel, Knoxville, Tenn.; Ruth Noland, Madison; Harold Olsen, Evanston, Ill.; LeRoy Petersen, New York, N.Y.; Fred Seibold, Madison; Ruth Toomey, Helena, Mont.; Esther Woldenberg, New Orleans; Herman Zischke, San Francisco.

Volunteers are wanted to help make this canvass. If you would like to call on classmates in your neighborhood to remind them of this opportunity to help the University, please get in touch with the committeeman nearest you or write to James March, Chairman, 536 West Wisconsin Ave., Milwaukee 3, Wis.



HERE IS the 1951-52 varsity basketball squad, which this month opened the current Big 10 campaign. Left to right (front row): Student Manager Harry Dean, Si Johnson, Tom Ward, Harvey Kuenn, Pete Anderson, Bill Buechl, Charles Seifert, Mike Daly. Back row (left to right): Assistant Coach Fred Wegner, Jim Justesen, Ab Nicholas, Charles Dahlke, Paul Morrow, Ed Heins, Ed Carpenter, Carl Herried, Tony Stracka and Head Coach Harold (Bud) Foster.



# WITH the CLUBS

## O'Dea Honored Guest At Twin Cities Banquet

PAT O'DEA was the guest of honor as 130 alumni from the St. Paul-Minnesota area got together on Nov. 23 for the biennial football banquet of the Twin Cities alumni clubs, held this year in St. Paul's University club. The banquet always precedes the Minnesota-Wisconsin football game, which every two years is played at Minneapolis.

Other Badger guests included Athletic Director Guy Sundt, Basil Peterson of the UW foundation, John Berge, executive secretary of the Alumni Association, and Ed Gibson, Association field secretary. Members of the UW coaching staff were invited but had to remain with the team.

Toastmaster for the affair was Al Buser, captain of the 1911 football team.

Bill Gove of the Minnesota Mining and Manufacturing Co. was the main speaker, and he stressed the role alumni must play in broadcasting the services of their alma mater.

O'Dea summarized his experiences at Wisconsin in the era from 1897 to 1899, when he gained an immortal place in the Badger sports picture.

## Over 400 Attend Chicago Grid Banquet

OVER 400 Wisconsin alumni living in the Chicago area crowded into the Walnut room of Chicago's Bismarck hotel on Dec. 11 for the football banquet staged annually by the Windy City alumni club.

Speakers included Robert Rothschild, president of the Chicago group; UW Vice-President Kenneth Little; Guy Sundt, athletic director; James Ham-

mond and George O'Brien, the Badgers' 1951 captain and the captain-elect; Lloyd Larson, sports editor of the Milwaukee Sentinel, and Coach Ivy Williamson.

Guests included the assistant coaches, Milt Bruhn, Bob Odell, Paul Shaw, George Lanphear and Fred Marsh; John Berge, executive secretary of the WAA; William Aspinwall, business manager of athletics, and the following Chicagoland squad members:

Roger Dornburg, Hal Faverty, Bob Lamphere, Bill Rutenberg, Bill Hutchinson, George Simkowski, Carl Martin, Newlyn Knudson, Dick Wohlleber, Kent Peters, Tom Canny, Ronald Roberts and Don Ursin.

Music was provided by the Wisconsin Serenaders, a male quartet. Badger

football films were shown with commentary by Art Lentz, director of the UW Sports News service.

## New Club Formed By Kalamazoo Alumni

A WISCONSIN Alumni Club of Kalamazoo was organized last month, with Jack W. Murphy, debate coach at Western Michigan college, named as the first president.

Miss Esther B. Nelson was chosen vice-president and Miss Mary E. Cryan was named secretary.

Directors elected are Jack W. Murphy and Dr. Ethel Kaump, three years; Arno R. Schorer and Miss Mary Cryan, two years, and Miss Esther Nelson and Dr. Donald R. Collingsworth, one year. The board convened immediately after its membership was chosen and elected the club officers. The Wisconsin Alumni Association's constitution for alumni clubs was adopted.

After completing its organization, the club made plans for a Founders' Day dinner. Dr. and Mrs. Collingsworth were appointed general chairmen of the event. A speaker from the University will be invited to the meeting.

A general meeting for all Wisconsin alumni in the area has been set for Friday evening, Jan. 18, with the place to be announced later.

Dr. Kaump was presented with a pictorial and historical map of the University, which was forwarded to the club by the Wisconsin Alumni Association.



PICTURED ABOVE are members of the committee which planned the fall meeting of the new Vernon County club. They are (left to right): Carlyle Skolos, Judge Lincoln Neprud, Mrs. Mary Lu Hough, Paul Mockrud, Verdel Bekkedal, Assemblyman Arthur O. Mockrud and Theophil Thorson.



PAT O'DEA (left), Wisconsin's fabulous football star at the turn of the century, is greeted by Robert W. Stauff, president of the St. Paul Alumni club, at the Twin Cities football banquet, held the night before the Minnesota-Wisconsin football game last fall. O'Dea was guest of honor at the affair, which attracted over 100 grads.

### Club Notes

THE NEWLY formed Ozaukee County club held its first social gathering the day of the Minnesota-Wisconsin football game—an afternoon listening party in the Legion clubhouse in Cedarburg.

\* \* \*

THE WASHINGTON County club held its fall meeting in November at the Legion club in Hartford. The program included a dinner, football movies, cards and prizes. Ed Gibson, WAA field secretary, commented on the football movies.

\* \* \*

A DINNER meeting was held in November by members of the club of western Racine county. Football movies were shown after the meeting.

\* \* \*

THE KENOSHA club held its first meeting of the year in November. A business session was followed by card playing.

\* \* \*

A HOLIDAY dance was held Dec. 26 by the Janesville club. The first dancing party sponsored by the group, it was held at the local country club.

Officers of the club are Mrs. Walter S. Craig, president; William Lathrop, Jr., vice-president; John Anderson, treasurer; Mrs. Louis Gage, Jr., secretary; John Wickem, Kenneth Bick, Mrs. Harlan Daluge, Miss Marie Hanuska and Ralph Schlitz, directors.

Plans are underway for a February Founders' Day meeting.

\* \* \*

THE POPULAR "Wisconsin Athletic Review" film was the principal item on the program when 31 members of the Oklahoma City club got together for a fall meeting last November.

The group decided to hold a Founders' Day meeting in February and also to initiate a drive for new members. It was planned to get a speaker from the University for the Founders' Day affair, and Club Pres. E. G. Dahlgren was assigned to make arrangements.

\* \* \*

PLANS ARE underway to hold a Founders' Day meeting in Fort Wayne, Ind. A group of alumni in that area have been meeting from time to time and they are starting a movement to organize formally. Fort Wayne Badgers who are interested in joining a club should contact A. R. Grunewald, R. R. # 7, Wayne Trace, Fort Wayne.

## ★ With the Classes

1886 . . . . . W

Carl RUNGE, retired civil court judge of Milwaukee County, died Oct. 14 at Trinity hospital in Ashland, Wis., at the age of 92.

1891 . . . . . W

Nathan COMSTOCK, an 1891 graduate of the University College of Engineering, died Sept. 11 at a La Crosse hospital as a result of injuries suffered when he was hit by a truck.

1890 . . . . . W

News from Portland, Ore. tells of the death of Judge Orville A. EASTMAN, justice of the peace at Gresham, Ore. for more than 25 years.

1892 . . . . . W

Mrs. Norman T. Harrington (Anna C. SPENCER) died in her home at Cleveland, Ohio, July 6.

1894 . . . . . W

A cerebral hemorrhage brought death to Arthur J. LATTON on Feb. 29, 1948, in his home at Medford, Wis.

Circuit Judge Robert S. COWIE, La-Crosse, Wis., died on Oct. 5 after a long illness. Judge Cowie had been on the circuit court bench since 1925 and was serving his fifth term in office when he died.

1895 . . . . . W

Several surgical instruments dating back to the Civil War were presented to the Grant County Historical society by Dr. Wilson CUNNINGHAM, Platteville, Wis.

Included in Dr. Cunningham's contribution were his saddlebags containing old time drugs and medicines and one of the first stethoscopes ever produced.

1896 . . . . . W

Lauretta M. COYNE, well known Madison millinery store owner, died Sept. 10. Miss Coyne was known affectionately as "Etta."

1898 . . . . . W

John A. MARLOW died Aug. 30 in his home at Harlem, Mont.

1899 . . . . . W

Mary E. PICKARTS, graduate of the school of music and former secretary of the Madison YWCA, died Oct. 11.

Mr. and Mrs. J. P. INGLIS left for a two-year tour of Europe from their home in Burbank, Calif., last September.

1900 . . . . . W

Well known Dodgeville, Wis., educator Mary Louise STRONG died Oct. 19. Miss Strong taught high school at Mt. Horeb, Oconomowoc and Beloit, Wis., at Joliet, Ill., and at Clinton, Ia. Later she taught at Platteville State college and had been associate professor of modern languages at Illinois college of Jacksonville for the past 25 years.

Mrs. Wallace Gillis, the former Eunice WELSH of Madison, died in Laguna Beach, Calif., Oct. 18.

1901 . . . . . W

Jacob C. Kroncke, Milwaukee, retired secretary and treasurer of an interior decorating firm there, died Oct. 16.

1902 . . . . . W

University Emeritus Prof. James W. WATSON died Oct. 4 in a Madison hospital. Prof. Watson had been chairman of the department of electrical engineering for 10 years before he retired in 1949. He was a member of the department for 46 years.

Floyd E. KLUCK, Lena, Ill., died July 2. Mrs. Matthew N. Mac Iver (Myrtle N. MORRISEY), did March 30 at a Washington, D. C., hospital.

1904 . . . . . W

Atty. Jay C. DAVIS, active Hayward, Wis., civic leader, died Aug. 30. He was Sawyer county district attorney for 26 years and was chairman of county Red Cross and bond drives.

1905 . . . . . W

George W. NELSON, treasurer of Plumb and Nelson Co., wholesale grocers in Manitowoc, Wis., died Aug. 27.

1906 . . . . . W

Alexius BAAS, Capital Times columnist and former Shakesperian actor, gave a course in Shakesperian plays in Madison which began Oct. 10. Mr. Baas holds a masters degree in English.

George R. RAY is serving with Dr. Martin Klotsche (Ph. D., 1931) as an official of the Rotary International.

Zebulon B. KINSEY, retired Yakima, Wash., businessman, died July 10 at his home.

Walter G. SPRECHER, president of the state bank of Independence (Wis.) died Oct. 2.

1907 . . . . . W

The author of a number of books on Russia, Albert A. Johnson, who spent a good deal of time in the USSR as citizen member and manager of the American Commission to Russia, recently wrote a series of articles on "foreign and domestic influences at work to bring inflation to the U. S." Johnson is at present chief economist for the Office of Price Control.

Susan I. DESMOND died Oct. 4 at a Madison hospital after a long illness. Miss Desmond taught school for 20 years at Monroe and Waukesha high schools.

Mr. Charles E. EDMUND, who received his BS in mechanical engineering from the University and for many years was associated with leading automobile manufacturing firms, died July 5.

1908 . . . . . W

Dr. Hobart R. HUNTER recently retired as superintendent of the Northern Wisconsin Colony and Training school, and is now living with his wife in De Land, Fla.

Sigurd G. LUNDE died Oct. 6 at his farm home near Ashippun, Wis.

James E. GILLESPIE, former engineer for the Wisconsin Highway Commission, died at Waukesha on August 8.

The Rev. Roy I. MURRAY, a native of Brooklyn, Wis., died Oct. 27 at Marblehead, Mass. He served in a number of Episcopal churches throughout the east.

1910 . . . . . W

Homer TALBOT, Denver, Colo., was the author of a review in the March, 1951, issue of The Western Political Quarterly on Fritz Nova's new book, "Functional Representation."

John J. WELSH died Sept. 9 at his home in New Brunswick, N. J. He was a New York consulting engineer.

1911 . . . . . W

Karl M. MANN was the representative of the American business press at the recent International Advertising conference in London, July 7-13. Mr. Mann is an officer and director of the Associated Business Publications, Inc.

1912 . . . . . W

Over a thousand persons, including congressmen, senators, cabinet members and church leaders turned out to honor Katharine F. LENROOT at a dinner, when she retired as chief of the children's bureau recently.

Mrs. Eleanor Roosevelt headed the list of speakers praising Miss Lenroot at the banquet, sponsored by such noted women as former Secretary of Labor Frances Perkins and Assistant Defense Secretary Anna M. Rosenberg.

Miss Lenroot, who was born in Superior and is a graduate of both Superior State normal and the University, received, the federal security agency's highest award shortly after her retirement.

1913 . . . . . W

James L. CATTELL, former associate professor of French at Purdue, died May 16 at Fort Myers Beach, Fla., after a short illness.

1914 . . . . . W

Joseph F. KUNESH has resigned as dean of the college of applied science at the University of Hawaii to accept a position on the staff of the water resources division of the National Production administration in Washington, D. C.

1915 . . . . . W

Al J. DEXTER is finishing up a year's service as director of the ECA in Ireland. He began the job on January 20, and expects to return to his duties as agricultural development agent, Northern Pacific Railroad, St. Paul, Minn., at the end of the year.

Another Wisconsin alumnus with ECA was Carl F. WEHRWEIN, who recently returned from a special mission in Austria, where he served as assistant economic commissioner. Wehrwein is now principal economist in the dairy branch of the OPS in Washington.

H. N. EIDEMILLER died of a heart attack May 14 in his home in Calumet, Mich.

Harry S. GLEICK, St. Louis attorney, recently addressed the 25th annual conference of the National Association of Referees in Bankruptcy. Gleick is chairman of the Bankruptcy Committee of the American Bar association.

1916 . . . . . W

Dr. John Harvey SKAVLEM was named winner of the 1951 Dearholt medal for his contributions to the fight against tuberculosis. Dr. Skavlem was an instructor at the Wisconsin Medical school for a few years after his graduation and is now medical director of Dunham hospital in Cincinnati.

The front cover of the Engineering News Record for August carried the picture of Dean Solomon C. HOLLISTER of the college of engineering at Cornell University. The Wisconsin graduate is cited as a "prime mover in the drive to assure an adequate supply of trained civil engineers to man the nation's defense effort and keep its civilian plant in top condition."

1917 . . . . . W

Robert C. JOHNSON, president of the Siesel Construction Co. was cited by a Milwaukee Engineering magazine as *Engineer of the Month*. Johnson is a member of the Wisconsin Registration Board of Architects and Professional Engineers and is the son of the first dean of engineering at Wisconsin.

Col. Burnie Q. HENDERSON, engineer with the Wisconsin State Highway commission, is taking a special course at the army engineer school at Ft. Belvoir, Va., in preparation for assuming command of the engineer branch of the 5956 organized reserve corps.

Kermit H. PETERSON, graduate of the College of Agriculture, has been promoted to the County Supervisor post at Neillsville.

Rev. William G. RADDATZ, minister of the Labor Evangelical United church in Milwaukee for the past 50 years, died in September.

## Next Month—

"What can American universities and their alumni, especially the alumni, do to preserve and perpetuate the American way of life?"



Six articles in the February *Alumnus*—by alumni, a faculty member and a student—will tackle this timely question. The issue will be dedicated to

## Founders Day

**1918 . . . . . W**

Dr. Armand J. QUICK was given honorary membership in seven universities during his tour of various South American medical centers.

Donald A. CALDWELL was appointed secretary of the South Dakota Retail Association at Sioux Falls on Oct. 1.

Mrs. Leslie MERAS, French and Spanish instructor at Bradford Junior college, who earned her Ph. D. at the University, died at her home in Exeter, Mass., Oct. 12 after an illness of several months.

Eldon M. STENJEM has been assigned a post with the Milwaukee regional office of the Veterans administration. He had managed the Madison sub-regional office since 1946.

Dr. Francis R. JANNEY, Wauwatosa pediatrician, died of heart disease October 21 in a Milwaukee hospital. Dr. Janney was active in many state and national child health groups.

**1919 . . . . . W**

Talks on music and famous musicians plus personal experiences in war torn France by Irving SCHWERKE, highly regarded music critic musician writer and lecturer, have earned the Wisconsin grad France's award of "Chevalier of the Legion of Honor."

Duncan H. REICH has automatically retired at 70 from the faculty of Texas A & M college.

Francis R. CURRAN, who had been employed by the internal revenue bureau in New Orleans for the past 30 years, died Sept. 22.

Mildred E. CLARK, who received her B.A. at Wisconsin, died in March at Madison.

**1920 . . . . . W**

Well known decorator and designer John Harley HOPKINS, who handled interior decoration for such buildings as the Board of Trade and Daily News buildings in Chicago and the North Dakota State Capitol, died while on a Canadian fishing trip on September 9.

News of the death of Stuart K. FOX on October 22 has been received.

**1921 . . . . . W**

Hobart V. HODGE was promoted to vice president in charge of sales at River Raisin Paper Co., Monroe, Mich.

Robert ZAUMEYER, chemical engineer for the Kimberly-Clark Corp., died recently at a Neenah, Wisc., hospital after a long illness.

**1922 . . . . . W**

Forrest F. VARNEY is in Athens, Greece, where he is irrigation specialist for the Kappen-Abbetts Co. of New York on projects under the Economic Cooperation administration.

Harold A. SCRIBNER, owner of the H. A. Scribner insurance agency at Stevens Point, Wis., died Sept. 13.

**1923 . . . . . W**

Walter J. PFISTER, journalism graduate and city editor of the Sheboygan Press, has been named a judge in the 1952 Pulitzer Prize competition for distinguished local reporting.

Dr. Cecil F. DULL, former Richland Center, Wis., health officer, died October 1, at his home after a long illness.

**1924 . . . . . W**

John J. CHYLE, director of welding research at the A. O. Smith Corp., Milwaukee, delivered the annual Adams award lecture at the American Welding society meeting in Detroit, October 14.

John B. KOHL has been appointed general sales manager of the Northern Paper Mills at Green Bay.

Prof. Allan G. HALLINE, English instructor at the University from 1929 to 1936 and professor of American Literature at Bucknell for the past 13 years, died October 13.

**1925 . . . . . W**

George E. HECK, Shorewood Hills, Madison, a research engineer at the U. S. Forest Products laboratory for 34 years, has announced his retirement. He will enter private engineering consultation work.

Two members of the class of '25 were recently married. They are Major R. R. FISHER, who married Miss Esther Rogosch in Oregon, Wis., and Francis C. QUILTY, who married Dr. Florence MacInnis in Kansas City, Mo.

Mrs. Edna ABENDROTH died at her home in Whitefish Bay, Wis., Sept. 12.

Alfred H. NICOLAUS died in Milwaukee October 10.

Daniel M. SWEET died October 6 in Hines Veteran's hospital after a long illness.

**1927 . . . . . W**

Isadore G. ALK, now practicing law in Washington, D. C., was recently awarded the Order of the Crown of Thailand by that government because of legal services, he has rendered to them.

The September issue of Fortune Magazine contains a picture and an article about Brigadier Gen. Phillips W. SMITH, a former resident of Madison. General Smith is listed as one of the top executives in the nation because of his job as head of procurement for the air command. He is in charge of a 1,650 man staff that lets contracts for \$800 million worth of goods and military equipment monthly.

**1929 . . . . . W**

Simon PETERSON recently went into the Milwaukee office of the Hardware Mutuals Co. as its branch manager.

Lloyd LARSON, who won football letters at Wisconsin in 1924 and 1925, recently announced his retirement from Western Conference officiating ranks. He is sports editor of the Milwaukee Sentinel. He retires after 14 years service in the field.

Homer KIEWEG, a 1919 civil engineering graduate, recently was named manager of the control division of the production department of the Commercial Solvents Corp. of Terre Haute, Ind. He has been working with the company since 1935.

**1930 . . . . . W**

Fred JANDREY, who has been serving as first secretary of the American embassy in Kabul, Afghanistan, was recently selected as one of 19 top career diplomats to attend the National War college in Washington, D. C.

**1931 . . . . . W**

Claude HOLLOWAY, former editor of the Beloit Daily News, is a recent addition to the governor's staff. He will supervise office routine and correspondence.

Horace G. BARDEN, Indianapolis CPA, has been chosen to serve on the council of The American Institute of Accountants, the national professional CPA society. He has been a partner in the firm of Ernst and Ernst.

**1932 . . . . . W**

Muriel NELSON died June 3 of injuries received in an automobile accident in Arizona. She was an assistant in the office of the probate attorney of the U. S. Indian service.

Ralph KEHL, director of industrial relations for the Kimberly-Clark Corp. in Neenah, died July 18 in an auto collision.

Charles W. ZELLINGER, who has degrees in agriculture and education from the University, recently left his post with the U.S. Soil Conservation service, where he had worked for 16 years.

John W. TETER, assistant professor of sociology at the University of Wisconsin in Milwaukee, has been named as acting chairman of the school's department of social work for the coming year.

Dr. Morris WEBB, former pastor of Bethel Lutheran Church in Madison, announced recently that he is resigning as president of Carthage college to accept the pastorate of the First Lutheran Church at Duluth, Minn. He took a leave of absence Oct. 8 to accept a three-month assignment in India as traveling secretary of the World Student Christian federation.

**1933 . . . . . W**

Dr. and Mrs. Grant STONE (Mildred SIMON) have announced the birth of their fifth daughter, Rebecca Anne, July 10. The Stone family has moved to Madison.

**Veterinary Director**



DR. RAYMOND C. Klussendorf, '23, has been appointed director of veterinary medical services for the Commercial Solvents Corp. At the University he majored in animal husbandry and graduated cum laude. Active in sports, he was a member of the varsity crew. He is editor-in-chief of the journal of the American Veterinary Medical association.



## Heads Combustion Firm



**RICHARD J. Ruff, '33**, is the new president of the Catalytic Combustion Corp. of Detroit. A graduate of the UW's engineering school, Ruff is a founder and former president of the Michigan Oven Co. He is co-inventor of the Suter-Ruff process for fume elimination. During his two years as president of the oven firm, it achieved a growth exceeding \$750,000 in annual output.

Sidney, Neb., is the new home of Karl KUNDERT, who is with the Ohio Oil Co. as geologist and geophysicist of the Rocky Mountain area.

Cyril M. HOWARD, who had been for several years a field auditor for the Employers Mutual Liability Insurance Co. died recently at his home in Madison after a short illness.

John L. COOPER, a member of the class of 1933, has accepted a post as rural credit specialist with the Economic Cooperation administration in the Philippine Islands. He has been serving since 1946 with the natural resources section of the general headquarters of the supreme commander in the South Pacific.

### 1934 . . . . . W

Hans SCHWAHN has left his post with the state department of taxation to become an attorney for the Office of Price Stabilization. He is attached to the Green Bay OPS office.

Carl Olynn Paulson was married to Dorothy BRUE, '34, on July 28. They are making their home in Chicago. Mrs. Paulson has been a high school librarian in Sheboygan, while Mr. Paulson is order librarian at the Chicago Teachers' college and Wilson Junior college in Chicago.

Mr. and Mrs. Edward LeVERN, Jr. (Ade-laide GILLAN) are the parents of a fourth son, Jonath Lee, born March 3.

Walter WOODS has been transferred to Atlanta, Ga., as regional industrial sales manager of the finishes division of the Du Pont Co.

Miss Thelma Maxine COTTRILL, a former county home agent for Vilas and Oneida counties, died recently at a Madison hospital.

### 1935 . . . . . W

David GOLDING has recently been appointed national director of advertising and publicity for Samuel Goldwyn Productions.

Commander C. T. DOUDNA has been transferred to the El Toro Marine air base for extended duty with the Marine Air Transport group.

Janesville's new city manager is Warren C. HYDE, who came to that city from a similar post in Albert Lea, Minn.

Charles LECLAIR was invited to show his art work at the annual exhibition of contemporary American painting at the Whitney Museum of American Art, New York City.

Charles F. JACOBSON and John LOBB were named recently to fill out vacancies on the new state investment board. Both men have been state employees for the past two years.

Reginald C. PRICE, a special assistant to the assistant secretary of the interior has been made director of the division of water and power for the Department of the Interior in Washington, D.C.

### 1936 . . . . . W

J. Harlan ALTHEN recently returned home to Two Rivers on vacation after spending four years with the U. S. foreign service in Vienna.

J. C. BROCKERT died July 19 in Platteville. He had been county school superintendent and director of the department of rural education.

Clarence PALZER died Oct. 24, 1950, in Los Angeles, Calif.

Richard J. GUENTHER has accepted a post with the Allen-Bradley Co. of Milwaukee as an assistant to the treasurer.

For the second successive year Miss Claire ROWLANDS a food writer for the Milwaukee Journal, has been awarded a bronze statuette by the American Meat institute for "outstanding excellence in the presentation of the news of food."

### 1937 . . . . . W

Harold MUNRO and June Loeper were married June 2 in Milwaukee.

In June Frances ROSENBLUM of Youngstown, Ohio, was married to Bertrum Firestone of the same city.

Frank OAKES received his M. A. in library training at Florida State university in June, and has a position as cataloguer in the Law school library at the University of Alabama.

Lois PAULSON was married to Ingolf Roe on Aug. 11 in Stoughton, where they are making their home.

Dr. Howard TEMPLETON has received his medical certificate from Luther hospital in Eau Claire, and has opened general practice at Barron with two other young physicians.

The Rev. and Mrs. Robert F. MERRITT, Spring Green, announce the September marriage of their daughter, ALICE RUTH, to Luigi Petracchi, in Florence, Italy. Mrs. Petracchi was a former student at the University.

Henry HAFERBECKER, county agent of Waushara county, recently died in a Madison hospital after a long illness. He had been the Waushara agent since 1939.

Carl ZEHMS, recently married Miss Jean Fleury of Milwaukee. The bridegroom was a

member of Phi Kappa Psi fraternity and is now a representative of the Hand Knit Hosiery Co.

### 1938 . . . . . W

Virginia BAKER was married June 16 to Robert Hollister. The couple is residing in Delavan.

Ivan KASTE, editor and publisher of the Winneconne News, married Agnes Brand June 28 in Milwaukee.

Mrs. Mary KIMBERLY was married to Edward BULLOCK, '39, at Cedarburg Aug. 18.

### 1939 . . . . . W

Walter EMERY has been appointed legal assistant to Commissioner Walker of the Federal Communication commission in Washington, D. C.

Arthur KURTZ is a new administrative assistant in the state department of agriculture.

Thekla MUTH was married to Hampton Haviland June 10 at York, S. C. She has been staff dietician at James Walker hospital at Wilmington, N. C.

Ernest F. BEAN, married Evelyn M. Dickerson, of Shreveport, La. in September. Mr. and Mrs. Bean will be at home in Refugio, Tex., where he is with the Union Producing Co.

### 1940 . . . . . W

Mrs. Losia SHEPPARD Davies died May 14. She was a former home economics teacher at Central high school in Madison.

Robert TOTTINGHAM married Shirley Eriksen on April 21 in Madison. He is on the Madison Central high school faculty.

Dr. Farrington DANIELS, Jr., of Madison and Alice Monroe were married at Wilton, Conn., on June 9. Dr. Daniels is director of physiological research in the Quartermaster Laboratory of Climatic Research, Lawrence, Mass.

Bert FREDERICKSON has been named a special assistant U.S. district attorney to handle civil litigation arising from the Office of Price Stabilization orders. He will work on cases in the Green Bay OPS district where he has been since 1944.

Uta HAGEN has recently been acclaimed for her stellar performances in the title role of George Bernard Shaw's famed historical drama, "St. Joan."

Dr. George W. HILL, a member of the University sociology department for many years, recently resigned his faculty post and will go to Venezuela for full-time work on an immigration project. He had been on leave from the University.

Dr. Joseph A. JACKOBS, has recently been named as an assistant professor of agronomy in the Illinois College of Agriculture. He will handle pasture experimental work.

Capt. Roger F. JENSEN recently was recalled to active service with the USAF at Selfridge Field, Mich. He will be serving as a personnel specialist with the 10th Air Force. He had previously been employed by the Marathon Corp. in Menasha.

Edward G. HILL recently returned from three years service in Indonesia and Asia.

Walter ISENBERG, a member of the career foreign service staff of the State department has just been transferred from Luanda, Angola, Africa, to Tangier, Morocco, as consul and economic officer. He had been serving in Luanda since 1949.

Uta HAGEN, along with Claude Rains, has been awarded the Donaldson award by Billboard magazine for outstanding dramatic achievement during the past year. She won her citation for her work in "The Country Girl."

William HANCOCK died June 28 in Madison.

Mr. and Mrs. C. B. McIntosh (Hope WELLS) and their two daughters expect to live for two years in Japan, where he is teaching at the Osaka University of Foreign Studies.

George PERRY was married to Marguerite Austin June 9 in Greenville, N. C.

Russell ROSEMANN has been elected assistant treasurer of the Ft. Howard Paper Co. in DePere.

Mr. and Mrs. Ellwood L. BARTZ announce in Hilo, Hawaii, the birth, on September 14, of a daughter, Barbara Ann. Mr. Bartz is a highway engineer in the islands.

Mrs. Wallace Chickering, the former Elizabeth O'MALLEY, will return this month with her new born daughter Ann Ursula to the family home in Venezuela. Mr. Chickering, who is employed there, will come to Madison to make the return trip with his family.

Charles A. ERDMAN has recently been named as assistant to the controller of Parke Davis and company, Detroit drug manufacturers.

#### 1941 . . . . . W

Ray KAYON is the new athletic director and head football coach at Racine Park High school. He will also be track coach and head of the physical education department. Phil KRAUSE, '35, was chosen head basketball coach at the same time.

Jordan PAUST served as chairman of the philosophy department at Los Angeles City college during the 1951 summer session. He also taught courses in the law department.

Dr. Clifford RADTKE has opened a dental office in Markesan, Wis.

William RUSSELL, Jr., has published a paper proposing a new orally-administered treatment for osteomyelitis.

Richard USHER has been appointed consul and second secretary at the U.S. embassy in Brussels, Belgium. He sailed with his wife from New York on July 20.

Robert CARNES, well-known throughout the state for his youth consultant work, is in Germany to undertake a period of reclamation work with the remains of such groups as the Hitler Youth.

Al HARRER, a member of UW track teams, was recently awarded a degree of doctor of philosophy in educational psychology by the University. He has accepted a position with the Hardware Mutual Insurance Co. in Stevens Point in the training and research division.

Mrs. Robert J. Carson, the former Helen HINES, sends word of the birth of a daughter, Anne, late in August.

Omar CROCKER, all-time boxing great and now a major in the airborne division reserve, was married recently to Carol Jean Nelson of Madison. Mr. Crocker is a former member of Beta Theta Pi, and was a standout boxer for three years during his college career. He won the NCAA title in the 145-pound class in 1939.

Dr. Robert W. EVANS, a former teaching assistant at the University, has been added to the staff of the Colorado School of Mines as an instructor in physical chemistry.

#### 1942 . . . . . W

A unique husband and wife team, Drs. Roger and Patricia MCKENNA (Patricia SCHICK, '47) received their medical degrees together from Northwestern this June and will intern together at the Los Angeles County General hospital.

Mr. and Mrs. Norman Krog (Helen DAVIS) are the parents of a second child, Bronwyn Mary, born Dec. 10, 1950.

Jordan T. EDGAR was recently married in Peoria, Ill., to Miss Ruth Aldrich. Edgar is a resident engineer with the Hartford Accident and Indemnity Co. in Peoria.

Dr. Herman J. GORZ, Fargo, N.D., was recently married to Miss Jeanette Gundlach of Madison. The bridegroom is now assistant professor of agronomy at North Dakota Agricultural college in Fargo.

#### 1943 . . . . . W

Mr. and Mrs. Gerald DAHLKE are the parents of a son, Glenn, born May 10 in Appleton.

Mr. and Mrs. William DUCKLOW (Mary Ellen POMEROY) have a second son, Thomas, born July 2. Mr. Ducklow is assistant secretary of the Eagle Manufacturing Co., Appleton.

Capt. Davis FAUSTMAN of Ripon and Rosemary Hackner of La Crosse were married in Chester, England, this summer, and traveled in the British Isles on their wedding trip.

Ben JUSKIE has been recalled into the air force with the rank of captain. In 1948 he received his B.S. degree in forestry with honors from the University of Florida.

The Rev. Dean A. KILGUST was married to Mary Leininger June 24 in Waverly, Iowa. He took his theological training at Wartburg seminary in Dubuque and is now parish minister of St. Paul's Lutheran church in Waverly.

Dr. James PRICE received his M.D. from the University in June, making him one of a very few scholars who have received four degrees at Wisconsin. He and his wife are both working in Cincinnati General hospital, the doctor for a 12-month internship and Mrs. Price as a nurse.

Dr. and Mrs. Thomas RICE (Carol LEVENICK, ex'51) are living in Marshfield, where he is associated with the Marshfield clinic after completing a residence in obstetrics and gynecology at Wisconsin General hospital in Madison.

Mr. and Mrs. Nelan SWEET of Miami Beach, Fla., have a daughter, Ellen Frances, born June 14.

Mr. and Mrs. George WILLIAMS and their two sons have returned to the Philippines, where he is resuming his position as engineer for Caltex, Inc., Manila, after a seven-month leave in the U.S.

Russell Harding BROWN, a research chemist with the Standard Oil Co. in Hammond, Ind., was recently married to Miss Dorothy Schaefer of Whiting, Ind. The couple will live in Hammond.

Mr. and Mrs. John T. COLLENTINE, Kiel, Wis., announce the arrival of a second son, Dennis. Mrs. Collentine is the former Mary Therese Lavin.

Mr. and Mrs. Elmer E. LENZ, Long Beach, Calif., announce the arrival of a son, Kim. Mrs. Lenz is the former Kay Schock.

Mr. and Mrs. Harold H. WAGNER, Cincinnati, Ohio, announce the arrival of a second daughter, Linda Beth. Mrs. Wagner is the former Shirley Stillpass.

## Heads Manufacturers



JOHN SLEZAK, '23, recently was nominated for the post of president of the Illinois Manufacturers' association by the organization's nominating committee. He has served as vice-president of the group. He is president of the Turner Brass Works in Sycamore, Ill., and director of several other manufacturing firms.

#### 1944 . . . . . W

Lt. Cmdr. and Mrs. William MILLER, '39 (Doraldine MOEN) announce the birth of a daughter on April 25 at the U. S. Naval hospital in Pensacola, Fla.

Mr. and Mrs. Hanford ANDERSON announce the birth of a daughter, Gwen Ellyn, Jan. 23.

Mr. and Mrs. Thomas Coddington (Connie PRENTICE) have a son, Stephen McAllister, born June 5 at West Bend.

Mae ENGSBERG and Mary Ann NEACY, '45, have been promoted to the rank of captain in the Women's Medical Specialists corps of the army. They have been stationed at the 97th General hospital in Frankfurt, Germany, since March, 1948.

Mr. and Mrs. James HILL (Joan HARTWELL) are the parents of a third child, Jessica, born Jan. 24. Mr. Hill is employed by the Du Pont Co. in Richmond, Va., as a laboratory supervisor.

Ben PINGEL was killed in a plane crash June 30 near Fort Collins, Colo.

Mr. and Mrs. Paul Rix (Mary WHITE) have a daughter, Nancy Lee, born Aug. 14.

Helen SCHUBERT and Donald Hanson were married Aug. 4 in Madison. She has been employed as the Girl Scout director in East Chicago, Ind., where they are living.

Dr. Frank SPRING is now associated with his brother, Dr. Joe SPRING, '43, in general practice in Elmwood.

A daughter, Cynthia Meg, was born July 6 to Mr. and Mrs. Richard Stanley (Barbara TAYLOR) who are now living in California.

Jan SHERWOOD (Jeanne Jackson) has recently assumed a featured role in a new musical show by Alan Lerner and Frederic Lowe, "Paint Your Wagon." The play opened in October at the Winter Garden in New York.

Dr. Ervin TEPLIN has completed his training in neuropsychiatry in Boston, and has returned to active duty with the air force. He is stationed at Bolling Air Force base, Washington, D.C.

Mr. and Mrs. James WALLACE (Dionysia MACKRIE) are the parents of a daughter, Barbara Wendy, born June 9.

Miss Eileen M. CAROW was recently married to Thomas Garrett of Madison. The couple will be at home in Madison where Mr. Garrett is associated with the Garrett Construction Co.

Miss Anne L. GANNON was married this summer to John W. Jones of San Francisco, Calif. The wedding took place in Puerto Rico where the bridegroom is on assignment with the FBI.

## 1945 . . . . . W

The marriage of Betty PUARIEA and Charles McCommons took place July 14 in Delavan. The couple are living in Champaign, Ill., while the bridegroom is with the air corps at Chanute field.

Dorothy ROBINSON will serve a three year term as a teacher in the American Academy for Girls at Istanbul, Turkey. She has been a teacher at Madison Central High school.

Dr. and Mrs. Robert SENTY (Alice KOOB, '46) have a son, David Northrop, born Nov. 22, 1950. Since September, 1950, Dr. Senty has been stationed at the Camp McCoy Station hospital.

Hans THOMSEN is now a U.S. resident officer in Coburg, Bavaria. During World War II he served in the OSS.

Mr. and Mrs. Ralph WILLIAMS have a daughter, Kathleen Jean, born May 7. The family has moved from Whittier to Sacramento, Calif.

Nelda HENDRICKSON was recently married to Richard L. PIERCE, '48, in Cornell, Wis. Mrs. Pierce had been serving as a home economist for the Southern California Gas Co. Mr. Pierce has recently been recalled by the navy and is serving as an instructor at the Treasure Island station in San Francisco.

## 1946 . . . . . W

Dr. David HAMILTON and Maxine Keiter were married June 27 in Cincinnati. Both are resident physicians at Cincinnati General hospital, where they also served their internships.

Mr. and Mrs. Gordon HARMAN (Edith WALKER) are now living in Syracuse, N. Y., where he is working with the General Electric Realty Corp. in the engineering and construction department. He was formerly associated with George Nelson and Son of Madison.

Mary Ann KLINGELHOFER and Donald FURSTENBERG, '49, were married June 15 in Westport. The bride taught at Ft. Atkinson. They will live in Beloit, where Mr. Furstenberg is an engineer.

George MARTIN and Barbara Ann Allen were married June 23 in Dallas, Tex. He is an accountant with the Atlantic Refining Co. there.

Mr. and Mrs. Donald Moore (Nancy NEREIM) announce the birth of twin sons, Donald and Bruce, January 17 in San Jose, Calif.

Barbara ROSENTETER is teaching English and doing library work at the Union Free High school in Mazomanie.

A. Jack TREMBLAY, Jr., played one of the lead roles in his own play at the Pasa-

dena (Calif.) Playhouse. His play, "Intrigue," is a three-act murder mystery.

Mr. and Mrs. Stanley WIRT (Miriam ELFENBAUM) have a son, Kenneth Ross, born July 29.

Dr. George BENISH has recently been added to the staff of the Tormey clinic in Madison.

Mary Jo CONDON has assumed her duties as director of religious education at Harvey Federated church, Harvey, Ill.

Dr. John GRINDROD recently began to practice in Peshtigo, Wis. as an assistant to Dr. John Bell. He has moved his family to Peshtigo from Seattle, Wash., where he had been interning at the Harbor View hospital.

Harry E. MANZER has been appointed director of agencies for the National Guardian Life Insurance Co. Manzer has been an agency supervisor since he joined the firm in 1947.

John ROBERTS, Stevens Point high school athletic director, recently resigned his post to become football coach and physical department head at the Stevens Point Teachers college.

## 1947 . . . . . W

Robert BLEICHER was married to Kathryn Bray July 29 in Mission Valley, Calif. A certified public accountant, Mr. Bleicher works with Solar Aircraft in San Diego.

## Division Manager



MISS RUTH I. Shafer, '34, recently was appointed eastern division manager of Overhead Heaters, Inc. One of two women members of the American Society of Heating and Ventilating Engineers, Miss Shafer will be in charge of sales in the eastern seaboard states from Maine to Florida. In New York, where she has been in the heating equipment business for 10 years, Miss Shafer is referred to as "the lady heating engineer." While on the campus she earned her way partly by stoking the furnace of a students' club. She was a philosophy major and says she had no interest in the heating equipment business.

Dr. and Mrs. Sanford BLOOM (Mary MELOHN) have moved from Minneapolis to Boston. He received his medical degree from the University of Minnesota in June and has an internship in internal medicine at the Boston City hospital.

Edward BRENNER and Jane Segrest were married June 1 in Baton Rouge, La., where they are now making their home. He is employed in the process engineers' department of the Esso Standard Oil Co.

Betty Ann BROWN was married June 25 in Eau Claire to Raymond FLYNN, '45, who is employed by the federal government in New York. The couple will live in Flushing, N.Y.

Mary Kay CUSICK attended the Rotary International youth rally in Coventshire, England, for two weeks in July. From there she planned to travel through Europe for three months.

Ruth DAVIS received her M.S. in clothing at Columbia Teachers college, and has been appointed an instructor in home economics at Wisconsin High school.

Mr. and Mrs. Donald DREIGUS (Shirley KLEIN) have a son, Daniel Mark, born May 14 in Chicago.

Ray Harker EDWARDS married Valeria Marx July 14 at her home in Park Ridge, Ill. The couple are residing in Madison, where he is an art teacher at East High school.

Sidney FREEMAN has received his Ph.D. from Cornell, and is teaching speech and drama at Sweet Briar college in Virginia.

Marjorie Anne GREGG was married Aug. 4 to Glen Knudsen in Madison. She was a social studies teacher at Orfordville High school.

Floyd HALLETT received his Ph.D. in pharmaceutical chemistry from the University in June, and is now employed by the Mallinckrodt Chemical works in St. Louis.

Earl HOVAN is working as an agricultural reference librarian in the library of Texas A. and M. college.

Elmer KANT and Doris Mae Bammel were married June 17 in West Bend. He is employed there in the office of the Amity Leather Products Co.

The marriage of Dorothy KOEHLER and Louis STACKER, Jr., took place July 7 in Medford. She is a research assistant in the conservation department of the University and he is a student counselor while working on his Ph.D. degree.

Mr. and Mrs. Erwin KOPPEL (Helen ELLIS, '49) announce the birth of a son, Steven Joy, April 9. Mr. Koepfel is a patent attorney for Allis Chalmers Corp. in Milwaukee.

Robert MABY, Jr., has been transferred to the Oklahoma City office of the geological department.

Mr. and Mrs. Norbert MULLANEY (Carol CASEY) and their son, Michael, have moved to Toledo, Ohio. The A. O. Smith Corp. has transferred Mr. Mullaney to its new landing gear division.

Robert OSTRANGER, Grant county superintendent of schools since 1940, has resigned to become Pierce county supervising teacher.

Anne STUDENRAUCH became the bride of George Goodell June 16 in Sheboygan. They will live in Green Bay.

Lt. E. C. VERNON has been recalled into the air force and is an instructor in radar and electronics at Kiesler field, Miss. His wife, the former Ruth SCYLCZEWSKI, is with him.

# Sparkling News

## OFFICIAL WISCONSIN RINGS

Now is the time to order your Wisconsin ring. Choice of silver or 10K gold . . . ruby onyx stone. Prices (which have not changed): \$16.80 to \$29.10, including tax. Fraternity or sorority crests available at no extra cost.

For further information and order blank write the Wisconsin Student Association, Memorial Union, Madison 6.

Ken Eichenbaum



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# Order yours today!

Don AHLWEDE, a product engineer, was married recently to Lois Ann Hoeft of Oshosh. The bride, who attended Marquette, has a brother who is a major league baseball pitcher with the Detroit Tigers. The couple will be at home in Racine where Ahlweide is a product engineer with the Massey-Harris Co.

Mr. and Mrs. Walter GEREND announced the arrival of a daughter, Patricia Louise, born in Dayton, Ohio.

### 1948 . . . . . W

Robert E. BRINGMAN is chief chemist in charge of the laboratory at the St. Joe Paper Co. in Port St. Joe, Fla.

Merrill W. JENSEN, 28, died May 25 at Wood.

Robert H. KRUEGER has been named head football coach at La Crosse Central high school.

Floyd SPRINGER has been elected president of the Wisconsin Junior Chamber of Commerce.

Stella ALLEN is working for the American Embassy in Mexico City.

Mary Jane BEVERS was married to Joseph Van Lieshout May 26 in Menasha. She is continuing her work in the personnel division of the Marathon Corp., where her husband also works.

Joan BORGERDING and Richard REYNOLDS exchanged marriage vows July 21 in Beloit. They are at home in Kansas City, Mo., where he is a publishers' representative for Time, Inc.

George HOOD was married to Virginia BOHN, '49, July 5 in West Bend. He is working as a research physical chemist with the Shell Development Co. in San Francisco.

Joan MADER became the bride of Donald BOWE, '49, on June 23 in Shawano. They will live in Hinsdale, Ill., while they attend grad school at Northwestern university and the University of Chicago, respectively.

A \$2,000 fellowship in creative writing has been awarded to Leonard CASPER by Stanford university.

Mr. and Mrs. Ivan CHORLINS (Joy FINE) are the parents of a son, Michael Bruce, born July 5 in St. Louis, Mo.

Mr. and Mrs. Paul COOK have a son, Peter Miller, born June 7.

Ellen CURRY has moved to Newburyport, Mass., where her mother has purchased a home.

Willson FAHLBERG, who received his doctorate of medical microbiology at the University in June, has accepted an appointment to the staff of the Baylor University Medical school at Houston, Tex.

Capt. Edson HAMMER and Eileen Borhoben of Milwaukee were married June 23. They will live in New Mexico, where he is stationed at Walker air force base.

John HARROWER is employed as an engineer at the Linde Air Products Co., Buffalo, N. Y.

Rosemary HERONEMUS was married June 16 to C. William PECH, '49. They will live in Green Bay, where he is associated with the People's Insurance Agency and Travel Bureau.

Douglas HOLCOMB is basketball coach and a placement service worker at the University of Scranton in Pennsylvania. He was married to Marcella Ann Megargee on June 16.

Dorothy JENKINS was married July 14 to Herbert Little. The couple will live in New York City, where she has been on the staff of McCall's magazine.

Mr. and Mrs. Robert LARKIN have moved to Dallas, Tex., where the Schlitz Brewing Co. transferred him.

Capt. and Mrs. Robert JONES have a son, Malcolm Stuart, born March 24. Capt. Jones has been transferred to Ellington air force base, Houston, Tex.

Aleson LARSON has resigned as attorney with the International Boundary and Water commission of the state department to enter private practice in Eau Claire.

Caroline MAHAN and Dr. Roger LAUBEMHEIMER were married Feb. 10 in Oak Park, Ill.

Cynthia NAGEL has married Sydney Wexler of Chicago, Ill.

Margaret NEPRUD was married to Bruce WENZEL, '49, July 28 in Milwaukee. He is associated with MacNeil and Moore in Madison.

Joan NILLES became the bride of Raymond Gebhardt June 23 in Madison.

Muriel BRAZAK was married to Norman Begulin in February. She has opened a law office in Clinton, having graduated in June from the University Law school.

Eugene JUNK and Jane RITCHAY exchanged marriage vows June 16 at Wiscon-

sin Rapids. He is employed as an accountant at Lakehead Pipe Line in that city.

Sheila KNOWLES was married April 14 to Peter Schroth in San Francisco. Both work for The San Francisco News.

Donald SCHUSTER is serving his internship at the Ohio State University hospital.

William SPENGLER has left for Bangkok, Thailand, and a job as third secretary and vice-consul at the American Embassy.

Helen SODOS and Jack LAYNG, who were married September 23, 1950, live in Rockford, Ill. He is engaged in law practice, while she is teaching junior high school.

Dean STEDMAN and Gerald Reilly were married July 28 in New York City, where she has been affiliated with Time, Inc.

Donald THOMPSON is working in Rockford, Ill. as a musical instrument salesman. He married Joan Thibodeau, and they have two boys.

Thomas COX and Jeanne TONKIN, ('51) were married June 30 in Mineral Point. He is a design engineer for the J. I. Case Co.

Fred WEISS, who was staff announcer at WIBA since 1947, has resigned to do radio and television work at station WXYZ, Detroit, Mich.

Alan ANDERSON recently was appointed editor of the Fond du Lac Times. He is a former Octopus editor and Cardinal columnist.

Dale BENDER recently was appointed outgoing director and counsellor of the Wisconsin Union. Bender had been associated with Frederick P. Mett, Associates, in Milwaukee. As outgoing director, Bender will act as staff advisor to the Wisconsin Hoofers.

Miss Ruth BLAKE of Beaver Dam was recently married to Charles H. Nelson of Menominee, Mich. Mr. Nelson is station manager of radio station WBEV, and a graduate of Carroll college.

Emory university, Atlanta, Ga., announces the appointment of Howard E. CAMPBELL to the staff, with the rank of assistant professor in mathematics.

Cary Alma TRAULSEN was married in June to Stanley Loose of Milwaukee. She was a former member of Delta Zeta sorority, and the bridegroom was a Chi Phi.

Marvin DROTTMAN was married to Miss Esther Steinman in June at Los Angeles Calif. The bridegroom is currently employed at the US Naval Ordnance Testing station, Pasadena, Calif.

Mr. and Mrs. Wesley C. MITTELSTEAD, of Corcoran, Calif., announce the September arrival of a son, Michael Albert. Mrs. Mittelstead is the former Patricia Jane Fischer.

Robert F. KELLEY is now completing work on an advanced degree in agriculture.

Miss Marilyn Janet LUCAS was recently married to First Lt. Howard Ross in Chicago. The bride, had been doing YMCA work, while Lieut. Ross had been employed at the Jefferson Banner.

Mr. and Mrs. Arthur B. Mehl announce the arrival of a son, Richard Murray, in June. Mrs. Mehl is the former Lee BALDWIN.

Martha KESSENICH was recently married to W. P. Olliver in Phoenix, Ariz. He is attending The American Institute for Foreign Trade in Glendale, Ariz. She is employed as chief medical technician in a private laboratory in Phoenix.

Howard J. OELHOF, a vocational guidance counsellor at the University of Wisconsin in Milwaukee, died in October at Columbia hospital there after an illness of three months.

## 1949 . . . . . W

Vincent ARTS is the first full time teacher in vocational agriculture at Cambridge High school.

Jane BRACKETT was married June 16 to Robert Hedges. She plans to do graduate work at the University of Illinois.

William COVINGTON married Genevieve Yeazel June 7 in Evanston.

Mr. and Mrs. William DAHLKE (Susan REARLY, x50) announce the birth of a daughter Linda Sue, April 17. Mr. Dahlke is now in the management training program at the International Harvester Co., Rock Falls, Ill.

William FOX and Luanne LEWIS, '50, were married June 16 in Madison.

Mr. and Mrs. Richard FRANCE (Norma RALSTON '48) have moved to Delaware, where the new Chrysler Corp. plant is located. Mr. France received the degree of automotive engineering from the Chrysler Institute of Engineering in June.

Arthur GERG received an M.A. degree in social service from Indiana university and is employed as a caseworker at the Children's Aid Society of Indiana at Mishawaka.

Patricia Ann HOCHSTAFEL died July 15 in Chippewa Falls, where she had been working as a county child welfare case worker.

Frank HUETTNER, although paralyzed from the hips down, received his law degree from the University in June. He attended college from his home by telephone, finishing third from the top in a law school class of 115.

John HUMPHREY has been granted a master's degree in business administration from the Harvard graduate school, and is now employed by the Marathon Corp. at Menasha.

Seymour ISENBERG is now a naval air cadet stationed at Pensacola, Fla.

Robert KELLY has taken over as manager of Hoard's Creameries, Inc., in Fort Atkinson.

Thomas KLUBERTON was killed in a recent auto accident near Ashland.

Donald WENDLAND was married to Audrey KVAM, '51, in Whitefish Bay June 30.

Frederic LENGFELD has been appointed manager of the University club, Madison.

W. M. MASTERSON has been appointed manager of the Wisconsin State Fair for 1951.

Mr. and Mrs. Frederick NISSEN (Ruth Mary HOLMES) are living with their two children in Gooselake, Iowa, where he is employed in the Gooselake Savings bank.

Dean PLZAK received his M.D. degree this June and is interning at Abington Memorial hospital, Abington, Pa.

Bruce PLUCKHAHN is working on the sports staff of the Dayton Daily News.

LeRoy Thomas RICHGELS and Beverly Greenfield were married July 14 in Arlington. They are both employed by the Wisconsin conservation department.

Mr. and Mrs. Harry RITTENHOUSE (Patricia TOURANJEAN) have a son, David Rittenhouse, born July 22 in Wilmington, Del.

Charlotte Ann SIKER was married July 18 to Irvine STEIN, x50.

Margaret STONE is the new county home demonstration agent in Fond du Lac, Wis.

Duane TUCKER, former announcer at WIBA, has been appointed school specialist in radio at Oregon State college, Corvallis, Ore.

Patricia SOELLNER and William SPEICHER were married July 14 in Lynchburg, Va.

Donald TYRELL was married June 10 to Betty LINDERUD, '50, in Stoughton. They will live in Beloit, where he is associated with the Yates-American Machine Co.

Priscilla PRICE was married in July to Larry Wright. They are living in Tucson, Ariz.

Mr. and Mrs. Louis E. WEISSE (Jeanette BAUMAN, '46) have moved to Bangor, Wis., where he has taken a position with the First National bank.

G. James WENCK has been recalled to active duty in the air force, and is now a personnel officer at the San Marcos base in Texas. He and his wife (Dorothy SEMRICH) are living in Austin, Tex.

Janell GOLDGRUBER was married July 14 in Madison to George WILLI. He is working for the OPS in Washington and they will make their home in Fairfax, Va.


Robert ALESCH has been added to the staff of the Wis. state employment service as an employment counselor. He formerly served with the Outagamie county welfare department.

Clifford Bruce ASHENFELTER, Racine, married Helen Jane Erickson of Superior on Aug. 25.

Richard A. BERENTSEN claimed Miss Fern F. SMITH as his bride on Sept. 22 at Hartland.

Neil Michael CONWAY married Marilyn Therese SAUER on Sept. 8. He is with the Wausau law firm of Genrich and Terwilliger.

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# ★ Madison Memories

... from the Alumnus files

Arthur F. CLAYTON has left his former position at the Fond du Lac YMCA to enroll in the graduate school of recreation at Indiana University. His wife, formerly Donna STASON, will be doing professional nursing at Bloomington during the year. Their new address is: D-19 Woodlawn Court, Indiana University, Bloomington, Ind.

Sigmund T. DANIEL married Mary Ellen Faecke on Aug. 4. He is affiliated with Alpha Kappa Psi.

Eugene R. FISH, a graduate of the law school last summer, is practicing in the E. Nelton offices at Balsam Lake.

Thomas Alfred Scadden, Jr., claimed Miss Dana GARNOCK as his bride Aug. 25. She was a member of Gamma Phi Beta. They will live at 100 Lake St., San Francisco, Calif.

Fred C. GLAMM and his wife, the former Renee Louise Pedro, ('50) have moved to 1324 Edanola Ave., Apt. 11, Lakewood 7, Ohio. He is assistant to the sales manager of the Allied Oil Co., Cleveland.

Wallace H. HAHN married Miss Adele Marceline Anderson Sept. 11, at Clear Lake. They will live at 1217 Kavanaugh Place, Milwaukee.

Robert B. HENRICKSON has moved to 237 Maplewood Ave., Rochester 13, New York, where he is now employed with the Eastman Kodak Co. After graduating from the university he obtained an MS in analytical chemistry at the University of Minnesota.

Robert D. JUNIG, Beloit, left within a month of graduation for Richland, Wash., where he will do legal work for the U.S. Atomic Energy commission.

Don KANE has been transferred by SKF Industries, Inc., from their Milwaukee Office to Detroit. He is serving as a field engineer.

The Wisconsin State Journal management has announced the appointment of John R. PRINDLE as assistant state editor. A graduate of the School of Journalism, Prindle is also political cartoonist for the State Journal. His wife, the former Ruth Ann Lanz, is a native of Madison. The Prindles live at 568 Gately Terrace, Madison.

Richard E. GARROW is practicing law in an office in the Savings Bank building in Manitowoc. He has two UW degrees, one from the School of Commerce, and the other from the Law school. Mrs. Garrow, the former Frances Durkee, taught accounting on the Wisconsin campus for three years.

Officials of the North Shore State bank, Milwaukee, have added Richard NEUBERT to the staff. He assumed duties as controller of the bank on Sept. 1.

Vern KLINZING has been appointed as assistant football coach to Coach Robert McCain at St. Mary's Springs academy. Klinzing was a football player at the UW.

Joseph W. KOELSCH, news editor of WROC, married Anne Marie Collins, Oct. 6 at Richland Center, Wis. They will live at the College Apartments on N. Church St. there. He has been working at the local radio station for 18 months.

Ed. J. KURTZ was featured in a "Meet the Trade" article in a Phoenix newspaper for his successful rise as a buyer for Dorris-Heyman there.

Stuart LOCKLIN, former UW athlete, has enlisted for four years in the U.S. Air Force.

Miss Mary Lucille MACARTHUR was married to William Herbert Corvin St. John Aug. 1. They live at 67 Edgehill Road, New Haven, Conn.

**ONE YEAR AGO, January, 1951**—The University was given a 28-acre tract of land overlooking Lake Mendota by Tom Brittingham, Jr., and Mrs. Margaret Brittingham Reid . . . . A scholarship was established to honor the late Prof. Philo M. Buck, who had died in December, 1950 . . . . Wisconsin General hospital acquired a million-volt X-ray unit for the treatment of cancer.

**FIVE YEARS AGO, January, 1947**—As the first semester closed, Wisconsin's basketball team was leading the Big 10 race with three straight victories . . . Enrollment figures for the second semester showed that 17,500 students were on the campus . . . A bill providing for consolidation of the state's entire system of higher education was introduced in the Legislature.

**TEN YEARS AGO, January, 1942**—The Union Rathskeller, long reserved for campus males, was finally open to women. The co-eds were allowed to enter the sanctum after 2:30 p.m. . . . WHA, the state radio station, was doing Sunday broadcasting for the first time in its history . . . The old frame building next to McArdle Memorial lab which had been the office of Dean W. S. Middleton of the Medical school was finally razed.

**TWENTY-FIVE YEARS AGO, January, 1927**—Work was well under way on the Memorial Union, and the cement pouring had begun . . . . The stone steps at the entrance to Bascom hall, well worn from the steady shuffle of student feet, were replaced . . . . About 20% of the rooms in campus fraternity houses were unoccupied.

**FIFTY YEARS AGO, January, 1902**—The resignation of Pres. C. K. Adams was formally accepted by the Regents. Ill health had forced the president to make the move . . . . Test results showed that members of the freshman class were an average of two pounds heavier and a half inch taller than members of the preceding frosh group.

Gayle Eldridge ADAMS married Miss Lila Mae Johnson on Sept. 16 at Madison. He is working for his Ph.D. degree in electrical engineering at the University. Their home is at 543 W. Mifflin St.

Don MARCOUILLER has been made an instructor in the UW music school.

Robert A. ROEMER has been appointed director of sports publicity for Rensselaer Polytechnic Institute at Troy, N.Y.

Floyd Frederick STENDER, 434 Newhall St., Green Bay, has become the partner of Carl F. Young, practicing attorney there. He is a member of Sigma Chi.

The new coach of the Montello Union Free High school is George HOLMES of Baraboo. He will also teach mathematics and science.

Mr. and Mrs. James JORGENSON (Lorraine SWEETNAM) are living in Denton, Tex., while he works on his master of music degree at North Texas State college.

John C. KADONSKY has resigned as rural editor of the Marshfield News-Herald to accept the position of assistant editor of the Milwaukee Medical Times. He will also handle public relations for the Milwaukee County Medical society.

Robert MADER and Patricia Bronson were married July 28 in Wisconsin Rapids. They are making their home in Sparta, where he is a high school coach.

William PIERSON has accepted a place with the Metropolitan Opera Co. in New York, and will tour with the Met's production of "Die Fledermaus." He will later go to Italy on a Fullbright award and sing with the La Scala Opera Co.

Lt. Don REICHEL was killed instantly when he bailed out of his trainer plane at Craig field, Alab.

Mr. and Mrs. William ROGGE (Philippa WARBURG, '48) are living in Carbondale, Ill., where he is director of men's residence halls for the University of Southern Illinois.

Jean Ann BITTRICK became the bride of Francis Stahr June 17 at Beloit. The couple will live in Chicago.

Glenn TOY is employed as a construction engineer with the Morrison and Knudson Construction Co., Battleground, Wash.

## 1950 . . . . . W

Beverly BRAGER has been added to the staff of the G. M. Simmons library in Kenosha as an assistant cataloguer.

Mary Ann BUSCH has been appointed club agent at large, agricultural extension division, West Virginia university.

Rueben DALBEC has been named director of the Memorial union at Washburn university, Topeka, Kan.

Anthony DeBOER died when he was struck by a falling tree limb while working for the highway department near Madison.

Madhav B. LELE has returned to India after receiving practical training in Canada with the fisheries department.

Donald PAIGE was married August 8 to Jo Ann MOEN, '46. They are living in Edgerton.

Alan EAGER was married June 6 to Diana Willemsen in Toronto. He is a special agent for the Hartford Accident and Indemnity Co. in South Bend, Ind.



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Harry STANLEY is head of the Milwaukee School of Engineering News bureau as well as a staff editor in the public relations division.

Elizabeth CROWNHART and Thomas VAUGHAN were married June 16 in Madison. They will live in Madison while he works on his Ph.D. in American history.

James Thomas CLEARY married Patricia Jane Oberembt Sept. 1. They will live in Madison at 1555 Adams St. while he completes his law course at the University.

Janice WEGNER was married to Ernest A. Connally Aug. 28 in Wauwatosa. They now live at 18 Prescott St., Cambridge, Mass. She is teaching at Wheaton college, Norton, Mass.

Jane V. MORIARTY has been appointed acting instructor of English at Ohio university. She earned her MA from the UW and is a member of Phi Kappa Phi. Also at Ohio university Roman Joseph ZORN was made acting assistant professor of history. He received his PH.M. from the UW and remained as acting instructor until 1944. He is a member of Phi Alpha Theta.

LeRoy Wesley PLEKENPOL married Lois Jane MIELKE Oct. 6 in Appleton. They now live at 617 Ferdinand, Forest Park, Ill., where he is employed with the International Business Machines Corp. At the UW she was a member of Alpha Gamma Delta and he a member of Kappa Sigma.

Pvt. Donald H. BADE is permanently assigned to the comptroller's office at Fort Knox.

Walter C. BECKER is now manager of the Sears store in Menomonie, Wis.

John F. BLONSKI is field scout executive of the Boy Scouts of America in Quincy, Ill.

Iver EBERT was drowned on June 12, 1951, at Jacksonville Beach, Fla.

Lois GLOCK has accepted a position as an assistant therapeutic dietitian at Firland Sanatorium.

Herman HOVELSRUD will soon be on his way to a year's assignment at Casablanca. His immediate employer is the Porter-Urquart Associates of New York.

Rose Marie O'BRIEN married Richard Mathew Graber on Sept. 29. They will reside at Mineral Point, Wis.

Pfc. James L. OLSEN died Aug. 8, while making a map survey in the Philippines.

Barbara June CLOSE married Albert Carl Schultz on Sept. 22 at Eau Claire. They live at 328 Park Ave., Neenah.

Lorraine LINCOLN married Harold A. Stieve on Sept. 15. They live at 1051 Spaight St., Madison.

James T. HAIGHT has moved to 3033 Cambridge Place, N.W., Washington, D.C. He is an attorney in the private law firm of Covington & Burling.

James J. JENSEN is living at Lubbock, Tex., box 268, Stanolind Bldg., and is now in the seismic interpretative office in Lubbock as an intermediate geophysicist.

Theodore Jones ILTIS married to Helen Nelson in Oshkosh, Wis. September 8. Their present address is at 222 Lynnwood St., Apt. 301, Alexandria, Va. He is employed as a chemical engineer in the Atomic Energy commission, Navy dept.

John LENDENSKI was given a new post with the Green Bay recreation department on Oct. 8.

Eugene James KREUL, son of Mr. and Mrs. Eugene H. KREUL, Madison, recently was married to Mary Lou MAJESTIC. Mrs. Kreul has been working as a speech therapist for the City of Fond du Lac. She was affiliated with Zeta Phi Eta. Kreul is now completing his thesis for a master's degree in speech therapy. His fraternity is Alpha Tau Omega.

Edith MOLINARO of Racine has been promoted to associate editor of the Ripon Commonwealth.