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Campus Welcomes Freshmen

Great Staff Was Dream Of Van Hise

It was the dream of Charles R. Van Hise, progress-minded president of the university almost three decades ago, to build a great state university by recruiting competent and well-known instructors and professors.

Generous legislatures made that dream come true, and today Wisconsin is among the top-notchers when it comes to excellence of its teaching staff.

TEACHING GREATS

Thumbnail sketches of a few of Wisconsin's faculty members whose reputations as great scholars, scientists, and teachers have helped to make the university the leading school that it is are printed below:

DR. HARRY STEENBOCK, professor of agricultural chemistry and one of the country's leading scientists, is the famed discoverer of an irradiation process by which vitamin D is imported to foods giving the properties which help overcome rickets in children. Born in Charlestown, Wis., Professor Steenbock is a graduate of the state university, and has done graduate work at Yale University and the University of Berlin, Germany. Dr. Steenbock is recognized throughout the world as authority in the field of agricultural chemistry.

DON D. LESCHIER, professor of economics, obtained his doctor of philosophy degree from Wisconsin in 1919 and has taught at the university since that time. He is an authority in the field of labor economics, and in 1930-31 he served as executive secretary of the Wisconsin citizens' committee on unemployment. He is a member of a number of national associations in the field of economics, and has written several books and articles on economic subjects.

JOHN L. GILLIN, professor of sociology at the state university since 1915, has made studies in the fields of criminology and penology that have brought him world-wide fame. He is a member of the state prison board, and the author of a large number of authoritative studies in the field of sociology.

PROF. FAYETTE H. ELWELL is director of the university's School of

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UW Graduates Are Prominent In Many Fields

Picture a great "brain-trust" city, population 95,782, with 41,744 holders of one degree; 5,001, two; and 778, three; 17, four; and one with five; and the remaining citizens with some college training!

If the University of Wisconsin's alumni, from their earliest start in 1854 to the class of '41, could be induced to form such a city, such would be the result. Back in 1854, the first class was composed of two graduates, while more than 2,000 went across the platform at the university's most recent commencement last June.

HOSKINS HAS 5 DEGREES

Probably, if this mythical city were formed, the holder of five degrees, Alexander Hoskins '83-B.S., B.C.E., M.S., C.E., and D.Sc., would become mayor. Certainly his aldermen would not be uneducated.

It isn't necessary to enter the realm of speculation to conclude that the place would be overrun with eminent people—statesmen, scientists, college presidents, publishers, and business executives.

What to do with the Wisconsin alumni who are college presidents might become a problem, for there are six. They are: Ralph Dorn Hetzel '06, president of Penn State College, State College, Pa.; Frederick R. Hamilton '06, president of Bradley Polytechnic Institute, Peoria, Ill.; W. O. Hotchkiss '03, president of Rensselaer Polytechnic Institute, Troy, N.Y.; J. Rion McKissick, M.A. '33, president of the University of South Carolina, Columbia, S.C.; Alexander C. Roberts '00, president of State College, S.C. (Continue on Page 12)

UW Administration Greets Class of 1945



PRESIDENT DYKSTRA

"We want to extend our welcome again to the great group of students who plan to be at the University of Wisconsin for the first time this fall. You are eager to come here and to make the most of the experience that will be yours on this campus."

"You who enter the university this September are coming into participation in our national life at a most vital time, and I want to reiterate a few words which I said here last year. The first weeks on the campus will largely determine what your participation will be. Do not be overly disturbed by the many differences of opinion which you will find about you. Try to get hold of the facts and premises upon which your judgments are made. You have a mind. It was made to use. It can be trusted if it operates with intelligence and if it can get at the facts. You have a backbone and some moral fibre. Both need training and cultivation. The university is no place for the flabby

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This Daily Cardinal Contains Information Concerning Campus

This issue of The Daily Cardinal, the first to be received by all new students planning to enter the University of Wisconsin in September, serves to introduce the freshmen to the famed Wisconsin campus.

This issue contains official news, information and pictures of the university and campus, leading administration officials, faculty members and students, and about student organizations, academic and social life, which it is felt will help new students in orienting themselves to the campus.

Included in the three sections of this issue are special pages describing the campus and its buildings, the university student government setup and other activities, the year's theater and concert program, and the organization and program of the university residence halls.

The editors urge freshmen to save this issue of the Cardinal and use it as a guide to campus events during the first few months of the coming school year. The first regular issue of the paper will appear during Orientation week.



DEAN GREELEY

"Knowing students personally is one of the greatest pleasures in the work of the dean of women, and in order that we may know you as long as possible, we try to get acquainted with you as early as we can in your freshman year."

"No matter how trivial your errand, we are always glad to see you. The office of the dean of women has been referred to as a clearing house for the interests of the women on campus. The term is good. We assist in adjustments of all kinds, and many freshman problems will clarify themselves just in the process of talking them over with an older person."

"Your friendship is, to us, a very rewarding thing, and it is always our hope that with our friendship we may combine help to you."

—Mrs. Louise Troxell Greeley
Dean of Women



REGISTRAR MERRIMAN

"June and September are red letter months on the university calendar. In June we say goodbye to several hundred students who have lived among us for four years. We have seen them grow both in years and wisdom. We have enjoyed their leadership and their friendly counsel. We shall miss them as they go forth to meet the problems of adult life. In September we meet for the first time the students who are to take the places left vacant by the departing seniors. This new group of more than 2,500 young people comes from every part of the state, the nation, and the world. They come as strangers to the faculty, to

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DEAN GOODNIGHT

"The University of Wisconsin again opens its doors to an army of hopeful young high school graduates who come here to develop themselves mentally, morally, and physically into men and women of the high type Wisconsin needs as citizens. We are anxious to see you do so. If you can do it on your own without becoming puzzled or confused or without making any mistakes, that will be splendid. But if you do encounter difficulty or confusion, don't just let things drift. That is the unwise and often the expensive thing to do. Come in and let us help you find the trouble and see if we can't set you on the right track. That is what we are here for, and we want to be of service. Come in and get acquainted when you arrive. We should like to have you as a friend, and if we can help you realize your best aims, we shall be most happy. We welcome you and hope to know you personally."

—S. H. GOODNIGHT
Dean of Men

U.W. Ranks Seventh In Graduates Listed By 1939 'Who's Who'

Less than two generations ago, the University of Wisconsin was considered a comparatively small, unknown school. Today the university boasts of having the seventh largest number of graduates in "Who's Who in America," as published in a study by the magazine School and Society.

The recent survey reveals that Wisconsin's state university had a total of 342 graduates whose names appeared in the "Who's Who" of 1939. Ranking with Wisconsin among the first seven were Harvard, Yale, Princeton, Columbia, Michigan, and Cornell. In total numbers the older institutions of the east were most heavily represented.

Significant is the fact that of these first seven, Wisconsin's per cent of increase in graduates recognized in "Who's Who in America" is highest. The increase was 19.1 per cent for the University of Wisconsin, as contrasted with a loss of 3.4 per cent for one of the other seven serves as an example.

University of Wisconsin's Origin Dates Back To Time When State Was Still a Territory

The University of Wisconsin at Madison is older than the state to which it belongs. This state university, which is now recognized throughout the world as one of America's great state universities, was first conceived in 1836, over a century ago, and land was granted for its conception by the federal government in 1839, when Wisconsin was still a territory. Wisconsin did not become a state until nearly a decade later, in 1848.

The state was admitted May 29, 1848; the necessary legislative acts providing for the organization of the university were approved July 26 of the same year; and the first board

of regents met at Madison in October. BEGIN INSTRUCTIONS

The new institution began instruction in February, 1849. It bore the name of a university, but had in operation only a preparatory school of 17 pupils, under the direction of John W. Sterling, a graduate of Princeton, who bore the title of professor of mathematics. The chancellor, John H. Lathrop, a graduate of Yale, called from the presidency of the University of Missouri, entered upon his duties in the autumn of 1849.

During its early years the new university grew very slowly but even the

maintenance of the institution during those days of struggle had its important effect—that a center and tradition were created. The material beginning of the university came under the grant from the Morrill Act (1862) for the support of a College of Agriculture and Mechanic Arts "without excluding other scientific and classical studies."

UNIVERSITY REORGANIZED

The reorganization of the institution after the acceptance of the Morrill grant was carried out during the next few years, the foundation of the university had now been laid, and the

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Students To Assist With Orientation

When 2,500 freshmen arrive on the campus next fall for the annual Freshman week, a volunteer staff of 511 students will assist Registrar Curtis R. Merriman in making the new students feel "at home" through the university's annual orientation program, Sept. 17-24.

Instituted in 1928, Freshman week replaced the old freshman welcome program in front of Bascom Hall. The present program at one time lasted seven days, but has been cut to five days. It covers the difficult job of making out programs, completing intelligence and placement tests, and just learning the "lay of the land."

ORIENTATION CHAIRMEN

The program is directed by Merriman, and student chairmen in charge of the upperclassmen who will return early to aid with the orientation period. General chairmen of men's and women's groups are John Bettiniger, South Milwaukee, and Ann Lawton, Brodhead.

The present orientation program began when Dean Frank O. Holt, of the extension division, then university registrar, and Pres. Glenn Frank, decided the freshman welcome program did not go far enough, according to Merriman.

FIRST PROGRAM

That first week-long program opened in September, 1928, with the purpose of making "the adjustment of freshmen to the environment of college life more natural and easy." Faculty members and upperclassmen volunteered their time to make the program a success.

The basic program, still followed in plans for 1941 freshmen, embodies four ideas:

One: Getting the freshmen on the campus several days early so that everything can be centered on them and their problems.

Two: Arranging for individual conferences between students and special faculty advisors.

Three: Providing for contacts between freshmen and outstanding upperclassmen who volunteer to return early for that purpose.

Four: Making arrangements for certain aptitude and placement tests to

(Continued on Page 7)

Hold Freshman Open House September 18

All freshmen and transfers are invited to get their first glimpse of the university's social life at the freshman open house which will be held at the Union on Thursday, Sept. 18.

The open house will last from 5 to 10:15 p.m. and is being conducted by the Union directorate in conjunction with the orientation program.

Admission will be by the stub of the admission ticket to the president's convocation which students will receive as they register.

The opening feature of the annual get-acquainted gathering will be the freshman supper held from 5 to 7 p.m. in the rathskeller. Freshman groups will be served cafeteria style at 5, 5:30, 6, and 6:30 while a swing band provides atmosphere and entertainment.

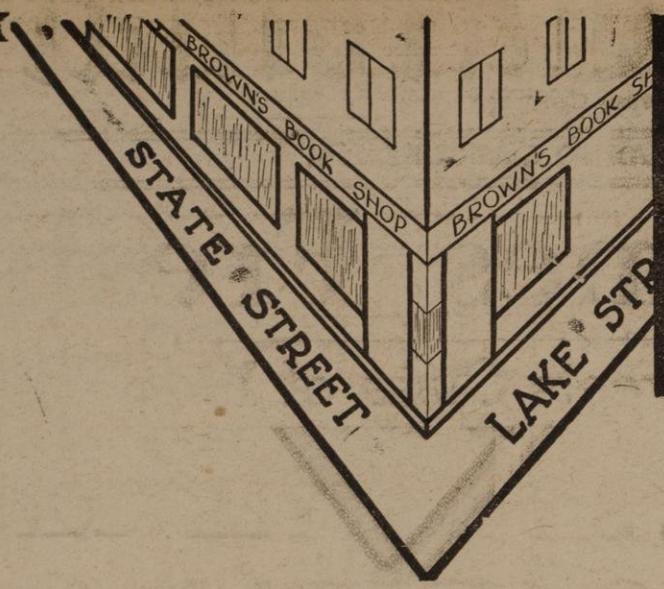
Much of the Union's typical year-round social program is on the evening's schedule, giving freshmen a preview of what is in store for them as Union members.

A radio variety show will be presented in the air conditioned Union theater from 6 to 7 p.m. with admission free. Free movies will be shown in the Play Circle from 6 to 10 p.m., and those who like indoor sports will find the billiards rooms, bowling alleys, table tennis room, and shuffle board court thrown open to them.

The most popular entertainment of the evening will be dancing in Great Hall to a well known student orchestra and also on the moonlit outdoor deck of the theater wing which will feature another orchestra of its own.

Throughout the evening students will have a chance to get acquainted

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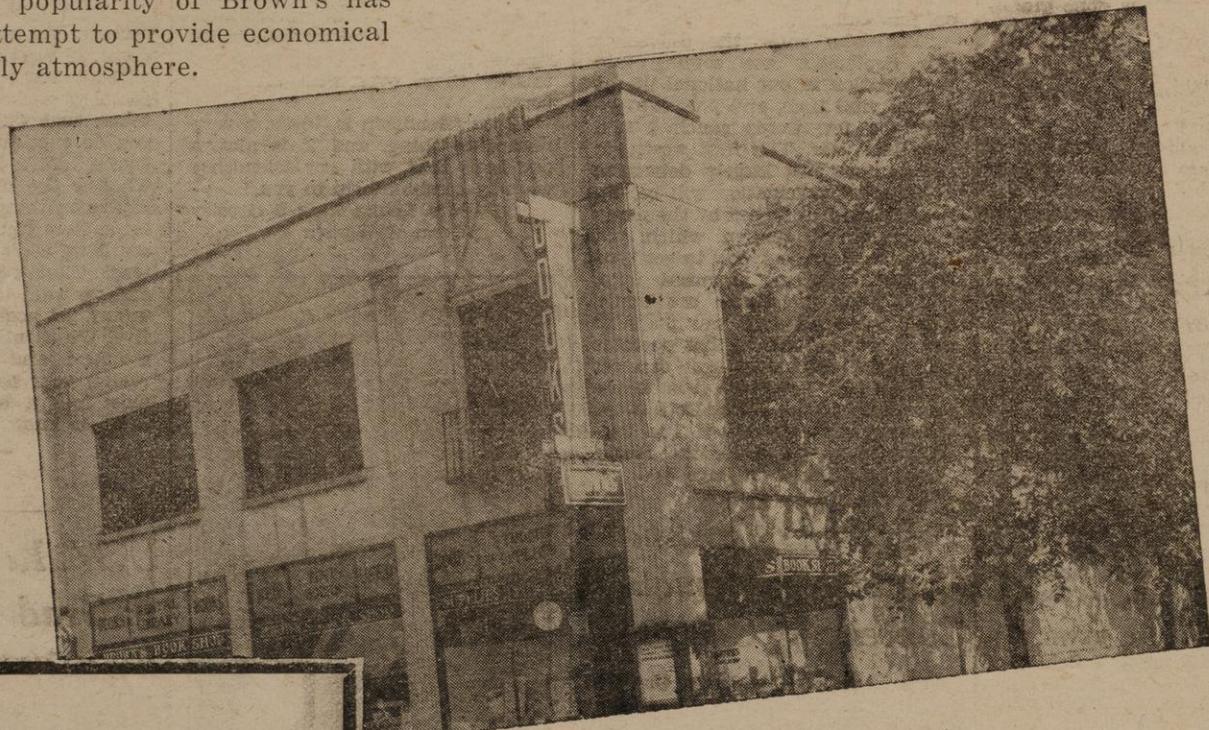
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Frosh Students: Learn These Badger Songs

Made famous throughout the nation by a host of stirring songs, the University of Wisconsin can boast of one of the two or three most famous college marching songs in the popular and oft-sung "On, Wisconsin."

Second to it as a favorite on the Badger campus is the university toast, "Varsity." "Badger Ballad" and "We'll Cheer for Old Wisconsin" are two other songs that ring out over Camp Randall at every football game.

Just to refresh your memory for the first football game, which takes place a week after school opens, the words for "On, Wisconsin" are:

On Wisconsin! On Wisconsin!
Plunge right through that line!
Run the ball clear down the field,
boys,
Touchdown sure this time (U rah
rah).

On, Wisconsin; on Wisconsin!
Fight on for her fame—
Fight, fellows! Fight, fight, fight!

We'll win this game.
When the huge crowds at a football or basketball game arise with heads bared, and inspiredly chant "Varsity," they sing it this way:

Varsity! Varsity!
U rah rah, Wisconsin!
Praise to thee we sing—
Praise to thee, our alma mater!

U rah rah, Wisconsin!
And for a short, sharp "pep" song, Wisconsin has always favored the "Badger Ballad":

If you want to be a Badger,
Just come along with me,
By the bright shining light,
By the light of the moon.
If you want to be a Badger,
Just come along with me,
By the bright shining light of the
moon.
By the light of the moon,
By the light of the moon,
By the bright shining light,
By the light of the moon.
If you want to be a Badger,
Just come along with me,
By the bright shining light of the
moon.

Freshman Co-eds: Here Are Some Tips On Sorority Rushing

For the hundreds of freshman women in the class of '45 who will be interested in pledging one of the 20 sororities on the Wisconsin campus this fall, the Panhellenic council, governing body of the Wisconsin sororities, has prepared a list of suggestions.

The rushing tips are:

1. Be definite in accepting and refusing rushing invitations. Mail promptly your answers to tea invitations. Deliver replies for remaining functions at the specified time to Miss Kayser's office. NEVER disregard an invitation even though you are refusing it.

2. Do not plan to meet friends and go to the rushing teas together. You will save time for yourself and for sororities if you come to the functions alone rather than in a large group.

3. Dress appropriately for rushing functions. An afternoon dress, hat and gloves are suitable for the tea. A short informal dress for the dinners on Monday and Tuesday, a long informal dress for Thursday night, and a formal dress for Friday night is suggested.

4. Do not let the glamour of rushing turn your head. Be your natural self.

5. The essential thing is to choose a group of girls with whom you will be congenial. Sororities change; the group to which your relatives belonged may not be the one in which you will find your closest friends. Do not let this or the past reputation of a sorority or campus rumors influence your choice.

6. Make up your own mind about joining a sorority. Consulting friends is more confusing than helpful. You alone are affected by this decision.

7. Know the Panhellenic regulations in order to avoid unfair tactics in rushing. Any unfair rushing practices are transgressions both for you and for the sorority and are subject to penalization by Panhellenic.

North Hall Is First University Building

The first building of the University of Wisconsin was North hall. When first erected it housed neither the weather bureau nor math classes, but students.

It was called "North Dormitory" and was built in September of 1850. Even though it was a student dormitory, it had classes in it.

The three lower floors of the building had studies, bedrooms, and classes, and the fourth floor had recitation, library, and museum rooms. After the erection a mess hall was put in on the ground floor.

Dorm Chorus Sings For Itself, Others

For the past three years a small group of residents of the men's dormitories has been meeting regularly to sing together under the direction of

a music student. They call themselves the dormitory chorus. They appear occasionally to sing in the dining rooms during Sunday dinner but the greatest pleasure derived is that of singing together. The director for the past year and for 1939-40 is Bruce Douglass, fellow of Winslow house in Adams hall.

Mr. Douglass is a student in the Medical school, but he is also an instructor in the music clinic which is held for high school students each summer.

"Everyone is eagle-eyed to see another's faults and deformities."—Dryden.

BARONET IS MAIL CARRIER

London, Eng.—(UPI)—Sir Stuart Knill—whose grandfather and father were both Lord Mayors of London—is earning \$12 a week as a postman—and liking it. Sir Stuart, third baronet of his line, is 54, a tall white haired man with a cultured voice.

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at the University Co-op

AIR CONDITIONED

STATE AT LAKE ST.

WHA Ranks as Nation's Oldest Station, Radio Education Pioneer

The oldest station in the nation and a radio pioneer in educational broadcasting, station WHA is one of the most interesting workshops on the Wisconsin campus.

Each fall tours are conducted through the station and the use of microphones, sound effects, recording apparatus, and the control room is demonstrated.

Radio hall, the home of WHA, has a long and interesting history. It saw the light of day as the university heating station, later was used as laboratory for the mining and metallurgy department. When that department moved into new quarters on University Avenue in 1932, the low-slung, narrow gray building hidden behind Science Hall remained an empty haunt for bats and ghosts for almost two years.

Early in 1934, under a federal grant, workmen began to clear away the debris, and started work on transforming the ramshackle old building into the latest thing in modern radio stations. The work was completed early in 1935, although the station moved into its new quarters somewhat earlier.

MAKE ALTERATIONS

Since then several alterations have been made, notably a year ago, when the basement was converted into a record library, and the south wing completed, with the construction of a modernly equipped rehearsal studio. This increased the number of studios to four, and provided for additional office space. The work was done under a WPA grant.

Radio hall at present houses the four studios, offices, a control room between the three broadcasting studios, and a large reception lounge. The broadcasting studios consist of one large and two smaller rooms. Studio A, the largest, contains an electrically operated pipe organ, which was built by Frederick Fuller, music director, from an old, broken-down instrument. The pipes are skillfully concealed behind a large, modernistic painting in blue, which covers nearly the whole wall, and is the first thing that meets the eye through the sound-proof glass windows.

CONTROL ROOM

A piano, assorted "mikes," several tables, chairs, and the like, make up the rest of the equipment for that studio.

The most interesting room in the building is the control room, from where the operators and technicians have a clear view into all three studios. The center of the room is taken up by a large instrument case, containing an amplifier, rectifier, heater tubes, and connecting plugs, besides other highly technical instruments.

RECORDING MACHINES

Also in the control room are two recording machines, from which the recorded programs are broadcast. A full 15 minute program can be played on a single disc, by specially controlling the speed of the record table. Another feature of this room is a transcription machine, on which often programs, speeches, voice tests of speech students, musical selections, and the like, are transcribed.

The studios all contain a number of different types of microphones. Among these are the old style, a condenser, the "salt shaker"—a nondirectional mike which can be capped to be directional, and a new type which can be used from either side.

CONTAIN SOUND EFFECTS

Some of the cabinets contain the sound effects equipment, such as cow bells, shells used to imitate the trot of horses, and wooden blocks which give the effect of marching soldiers.

WHA also broadcasts programs by remote control, necessitating the moving of heavy equipment to distant spots. On such programs the control man must set up his mikes, instrument panels, batteries, and telephone, and then check to see that the equipment is in perfect working order. Sometimes an extension line goes dead, a battery fails, or a plug does not give the right connection. Then it is the engineer's job to fix up wires and instruments, in order that the program can go on the air at the scheduled time. The announcer, too, is at the remote control mike, and between announcements he has a chance to scribble some hasty notes for his continuity.

A number of WHA engineers last year completed building a short wave relay transmitter which, during the past summer, proved a great aid for picking up remote on-the-spot broadcasts.

A small compact case, weighing no more than 20 pounds, this transmitter can be taken to places where it is impossible to run wires. It has a clear broadcasting range of about 10 miles.

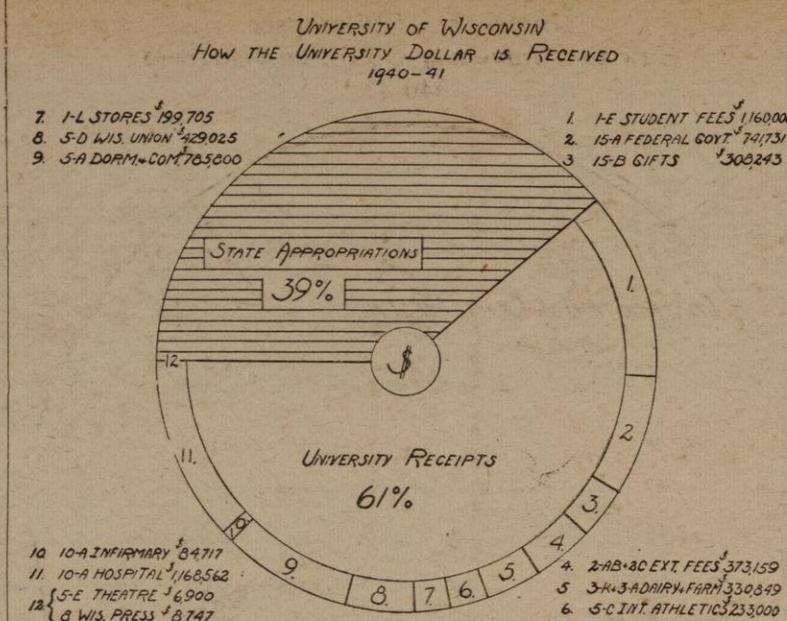
Another interesting place in Radio Hall is the reception room, which is decorated in an Indian-Moderne motif. The walls are covered with Indian figures and designs, as well as petro-

glyphs reminiscent of prehistoric dwellers in what is now Wisconsin. These pictures, in strong contrast with modern radio equipment about, serve to combine the oldest evidence of communication in this state with the newest. A frieze in the form of a reconstructed sand base depicts figures intended to convey messages of hunt and conquest. Pictures of deer, men, sturgeon, catfish, herons, thunderbirds, gophers, bison, grouse, and other wild game are here carved in stone.

STUDENT DESIGNS

A student in the art education department, John Gallagher, designed the frieze with the assistance of Mr. C. E. Brown, director of the state historical museum. He combined the figures into a running pattern, and carved them into the wall in much the same manner as the prehistoric red men did, who fashioned the originals.

This Indian motif is carried on throughout the lounge. Natural oak furniture in modernistic design is upholstered with genuine Navajo weavings. These colorful coverings are in red, white, gray, and black, and show unusual geometric designs. They were woven by hand by squaws of Navajo tribes in Arizona and New Mexico, from wool taken from their wandering flocks of sheep. The floors of the



Contrary to popular conception, not the entire state university budget, but only little more than one-third of it, comes from state appropriations each year, as the above chart shows. The remainder of the university's total budget is earned by the university itself, or comes from gifts or from the federal government. Not one cent of the university's income from the state comes from general property taxes.

lounge, too, are carpeted with Navajo rugs.

OLDEST IN COUNTRY

The station itself is one of the oldest in the country, having commenced telephonic broadcasts in 1917 as station 9XM. At first WHA was housed

in a small room in the basement of Sterling Hall, which barely held the speaker, a mike, and the transmitter. When a regular, though limited studio was built in Sterling Hall in 1922, the transmitter was removed to the southern outskirts of Madison, where it is

North Hall Is First University Building

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The three lower floors of the building had studies, bedrooms, and classes, and the fourth floor had recitation, library, and museum rooms. After the erection a mess hall was put in on the ground floor.

The capitol building in the middle of Madison's square is just 21 inches shorter than the one in Washington, D. C.

still located on the Silver Spring beverages' property.

WHA remained in Sterling for 13 years, until finally the persistent agitation for more convenient quarters led to the present abode.

With the completion of the new Memorial Union wing, the station's broadcasting facilities were still further extended through the addition of radio studios, and a theater, the Play Circle, ideally suited for audience broadcasts.

These Union studios will see even greater use during the coming year, with a number of regular weekly programs already scheduled for the Play Circle.

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Dean Outlines Rules for Men's Lodging Houses

Safeguarded through the standards set for men's lodging houses, men students who live in university approved houses on the campus in the Madison area are provided with clean and neat living conditions.

The regulations were revised by the men's lodging house council three years ago. The revised version was passed by the faculty committee on living conditions and hygiene, and changes have been made by that body from time to time.

STANDARDS RECOMMENDED

The standards recommended as reasonable both for the housemother and lodger, as stated on the dean of men's office rules, are:

1. That no student be lodged on third floor unless two means of egress are provided. (Two stairways or one stairway and a fire escape approved by the city building commissioner.)

2. That not to exceed eight persons (including the lodgers and members of the resident family) be dependent upon one bath and toilet room. (Recommendation is made that each house install a shower.)

3. That each student shall have access from his own room to the street door and to the bathroom without passing through another's bedroom.

4. That lodgers shall have at all times a reasonable supply of hot water available for washing and shaving. (Humphrey heaters may be approved conditionally.)

5. That student rooms should be cleaned and beds made before noon each day and bed linen changed each week.

6. That the house shall not be open to transients. Student lodging houses should not be subject to the disturbances involved in taking transient lodgers, nor students required to share toilet and bath facilities with transients.

7. That individual study lights be provided for each student (60 watt minimum) in addition to a central room light. I.E.S. lights are recommended.

8. That a separate bed be provided for each student.

9. That rooms occupied by students be kept at a temperature between 68 and 72 degrees and that ventilation and humidity be adequate to insure comfort and health.

10. That no women, except members of the resident family, be lodged in houses accommodating men students.

11. That quiet hours be maintained. The dean will cooperate in their proper enforcement.

12. That students be not allowed to entertain women guests in the house.

HOUSEMOTHER COOPERATION

Lists of houses which have qualified according to these standards are available at the office of the dean of men. Housemothers of approved houses have signified their willingness to cooperate with the university to promote amicable relations between housemothers and students and to provide good study conditions.

Students are urged to live in approved houses and to sign the university agreement form, which is supplied to the housemothers of approved houses.

These agreement forms raise, in the beginning, important questions that often cause disagreement during the semester if not settled in advance. Both parties sign the agreement and it is designed to protect both. This is simply an intelligent, business-like way of doing business.

Even in the absence of written agreements, students are required to retain their rooms for a semester. However, those who wish to move from disapproved houses into approved houses may consult the dean of men, or Mrs. Blanche Stemm, housing assistant.

Mrs. Stemm makes frequent trips to all campus houses. She maintains office hours on Monday, Wednesday, and Friday afternoons, and Saturday morning for consultation with men students on any matters pertaining to housing.

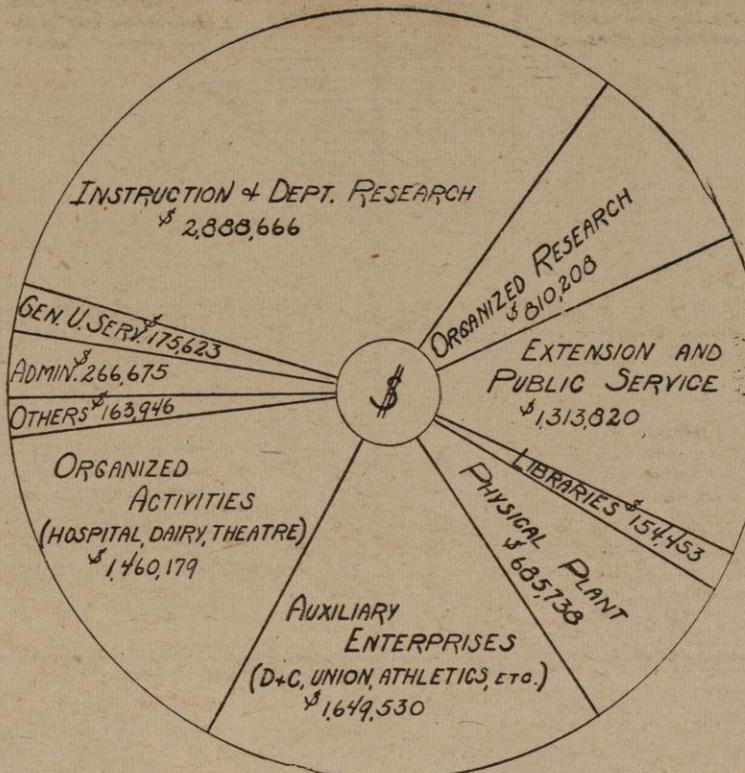
50 Religious Faiths Among UW Students

Approximately 50 different religious faiths were professed by the students of the University of Wisconsin last year, C. V. Hibbard, general secretary of the university YMCA, reported.

Out of the 11,286 students who enrolled at the beginning of the year, 8,775 filled out cards for the church census bureau designating their religious preference.

Out of the 8,775 students who filled out cards during registration, 1,744 were of the Catholic faith, 1,699 Lutherans, 1,089 Methodists, and 1,065 expressed a preference for the Congregational faith.

University of Wisconsin
How the University Dollar Is Disbursed
1940-41



The largest share of the state university's budget is spent each year for instruction, research, and public services which benefit all citizens of Wisconsin, as the above chart shows. Only 15 per cent of the total budget is spent for libraries, physical plant, general service, and administration. Funds spent for the organized activities, such as the hospital, dairy, and theater, and for auxiliary enterprises, such as dormitories and commons, the Memorial Union, athletics and certain minor activities, are self-supporting, that is, they must be earned by those divisions before they can be spent.

Plaster Reproduction Of Ostracoderm Is Museum Addition

Among the newest exhibits added to the Wisconsin Geological museum is a plaster model reproduction of the ostracoderm, ancient ancestor of the modern fish.

From the fragmental fossils of these prehistoric "fish," it seems probable that they were inhabitants of fresh waters, and that they were drifted by rivers and broken up after death before arriving in the seas where the bony parts were buried, later to become fossils. They swam in the seas which covered Wisconsin and other low areas in the country over 400 million years ago! As the most ancient relic of vertebrate life, they fortell the coming dominance of higher animals millions of years later.

Also received by the museum are two small wallcases showing various kinds of fossil and modern gastropods and illustrating the terminology used in describing gastropod shells. Many animals belong to this great family including the snails, slugs, conchs, whelks, periwinkles and limpets. They occur in salt, brackish and fresh waters and on land, and are adapted to burrow, crawl, swim, leap or climb. The majority are herbivorous, but some types drill the shells of other mollusks in order to prey on the soft parts.

The second wallcase includes a collection of 26 specimens illustrating present-day animals and their fossil prototypes. By means of such an exhibit, the student and collector of fossils can compare fossil and recent members of the same animal group.

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Langdon Hall Is Real Home At University

Closest to the campus is Langdon hall, one of the university's most attractive women's halls, and the most homelike residence on the campus, according to its 190 occupants.

"From roof deck to recreation room, Langdon hall is built to afford the maximum of pleasant living conditions," says Mrs. Helen M. Jefferson, hostess for the hall.

SENIOR EXPLAINS

"We can always return to Langdon hall, after having lived there for even a short time, and be assured of a ready welcome and a ready bed for as long a visit as we like to make," explained one senior last spring, after four years in the hall.

"Of course, it's the food that draws me," admitted another resident. "It's known all over the campus. I'd rather eat at Langdon than be taken out for dinner."

HAS FIVE FLOORS

Built in red-brick Georgian Colonial style, Langdon hall has five floors devoted to student rooms. These are comfortable, commodious, cool in fall and spring, uniformly warm in winter. A private phone, and concealed wash basin in a tiled recess are installed in each room. Built-in dressers, large casement windows, pressing boards, and other conveniences make for pleasurable occupancy.

OPEN HOUSE

During the year Langdon hall gives numerous parties, beginning with an open house in the early fall. It is held in the garden court where colored lights are strung from Lombardy poplars, and a festive air starts the fall social season. At these and other informal gatherings new residents have opportunity to meet other men and women students in a congenial setting. Later in the year, formal parties add to the campus social season.

A cultural atmosphere, a large percentage of active campus women among its residents, and convenience to all activities, are offered by Langdon hall, favored home among Wisconsin co-eds.

Veteran Boatman Finds Boats Objects For Petting, Affection

Boats are more than just wood and screws and paint to Carl Bernard, 36-year-old manager of the university boathouse. They are something to be petted and pampered and talked to.

When Bernard opened his boat laundry to regular session students last year, 40 new 16-18 foot canoes with complete new equipment, six new row-boats, two high speed outboard motor-boats, and a number of sailboats were available for Mendota use.

Tall, tanned, with curly hair and a wide smile, Captain Bernard comes from a long line of veteran boatmen. His grandfather, a boat-builder in the Brooklyn navy yard, settled along the southeast shore of Lake Mendota more than 100 years ago, and the Bernard Boat yard, at 624 E. Gorham street, has been a Madison tradition ever since.

There is an atmosphere in the letters of those we love which we alone—
we who love—can feel.—Marion Harland.

"The light of friendship is like the light of phosphorous, seen plainest when all around is dark."—Crowell.

Agriculture Dean



Dean of the College of Agriculture and well-liked out on the Ag campus, CHRIS L. CHRISTENSEN, shown above, has done much to boost the Wisconsin College of Agriculture among the top-notchers. He is also president of the American Country Life association.

Personnel Director



DOUGLAS OSTERHELD

About 35,000 people tour Wisconsin's capitol building each year.

Union Gives Work To Many University Students During Year

The Wisconsin Union is one of the largest single employers of university students. Last year between 250 and 275 students were employed in jobs ranging from pin-setting to theater ticket-taking or painting posters in the workshop. In terms of assistance to the students a payroll for the school year of approximately \$50,000 was received by these students. Most students were employed in the dining rooms.

All jobs in the Union are handled through the student employment office. A student interested in work applies at the employment office and is referred by them, after the necessary forms have been filled out, to Douglas Osterheld, who is in charge of the student personnel at the Union.

The method the Union uses in paying its employees is unique. All students, with a few exceptions, are paid at the rate of 35 cents an hour. The student receives the pay in food coupons which are exchangeable not only for food in any of the dining units,

but also for cokes, candy, cigarettes, and games in the billiard room. This arrangement means that the student is being paid for every minute he is on the job and provides for him a choice of where, what, and when he wants to eat.

One additional item of value to the Union employee is the careful training students receive in their work. Each year a large number of graduate ex-Union employees come in and tell their supervisors how valuable their training has been in getting a job.

Mendota Is Ideal Spot for Sailboating

The ideal spot for boating is the way Lake Mendota has been described by numerous experts. Mendota is large enough for racing, and is of sufficient depth for good sailing.

On the lake, the Mendota Yachting club has 20 racing boats, and numerous unclassified boats. Fraternities maintain sailboats, and there are also several for rent along the shore.

Motorboating is gradually assuming a similar popularity in Madison. The Madison Motorboat club on the shores of Lake Monona is leading the way in this sport.

Journalism School Students Use Regular Daily Wire Service

A United Press teletype machine, the same as those used in newspaper offices throughout the country, was used last year by students in journalism.

The wire copy is edited and prepared for publication each afternoon by different sections of the class. The stories are made up into regular front pages.

By using the machine, students often learn of important news stories on national and foreign scenes at exactly the same moment as do the regular Madison newspapers.

CANARIES FOLLOW CATS

St. Louis—(U.P.)—Two weeks after the Greater St. Louis Cat Show yowled to a close, the Greater St. Louis Cage Bird Club opened its annual canary exhibition.

This is the eighth year of the extension class program for high school graduates in Wisconsin, sponsored by the university extension division with local school cooperation.



KARSTENS for things to wear

For several generations—Karstens of Madison has been recognized as a source of authentic fashions for University men—Hundreds of undergraduates, shopping here each school year, find the large varieties of smartly styled apparel to their liking and the moderation of Karstens prices adapted to their purses. You, who will be entering Wisconsin this fall for the first time, are invited to visit this store, to see the great selections of everything that is smart and new in men's wearables. Credit, if desired, is available upon convenient terms.

KARSTENS

On Capitol Square

22 North Carroll

Grads--

(Continued from Page 1)
San Francisco, Calif.; W. C. Ruediger '99, provost of George Washington University, Washington, D. C.

SOME FAMOUS EDUCATORS

There would be enough famous educators to produce a super generation. Among the outstanding might be: Max Mason '98, director of natural sciences of the Rockefeller Foundation; Dr. Arnold Gesell '03, head of the Yale Clinic of Child Development, famous child psychologist; Dr. Herbert S. Gasser '10, director of the Rockefeller Institute for Medical Research; Dr. Arthur Hale Curtis '02, renowned gynecologist, head of the department of gynecology, Northwestern University; Guy Stanton Ford '95, dean of the Graduate School and acting president, University of Minnesota; Herbert E. Bolton '95, internationally known authority on Spanish and Western American history, head of the department of history, University of California; Ira B. Cross '05, well-known economist and author of many books on banking and related subjects, professor of economics, University of California.

MANY BUSINESS EXECUTIVES

In case difficulties arose specialists of the law would be on hand—Judge Evan A. Evans '97, judge of the circuit court of appeals, Chicago, and George I. Haight '99, patent attorney, Chicago.

Business executives! Plenty! Gerald Dahl '96, president of the Brooklyn-Manhattan Transit Co.; Charles S. Pearce '00, former chairman of the board of the Colgate-Palmolive-Peet Co.; David A. Crawford '05, president of the Pullman Co.; William S. Kies '99, president of W. S. Kies & Co.; Charles F. Burgess '95, president of the C. F. Burgess Laboratories.

Roy E. Tomlinson '01, president of the National Biscuit Co.; Michael J. Cleary '01, president of the Northwestern Mutual Life Insurance Co.; Harry A. Bullis '16, vice president and general manager of General Mills, Inc.; Walter Alexander '97, chairman of the board of the Union Refrigerator Transit Co.; and James S. Thompson '10, vice president of the McGraw Hill Book Co.

Eminent publishers are: Otis L. Wiese '26, editor of McCall's Magazine; Merlin Aylesworth '07, publisher of the New York World-Telegram; and Gilbert T. Hodges '96, member of the executive board of the New York Sun and former president of the Advertising Association of America.

SOME GREAT ENGINEERS

What splendid roads and bridges could be constructed with such eminent engineers as Albert A. Johnson '07, engineer to the Soviet government; John L. Savage '03, the famous engineer who was the chief designer of the Bureau of Reclamation on the Hoover Dam, Boulder Dam project; and Clifford E. Betts '13, who is at present on the technical staff for the Mississippi Valley Committee. He was the office engineer on the Moffat Tunnel, the longest in this country, and on the Owyhee Dam, the longest in the world.

Among this mythical city's famous actors would be Fredric March '20 and Don Ameche '31.

There would be at least one famous scientist—Dr. Harry E. Steenbock '08, discoverer of the process of irradiating foods.

FAMOUS WOMEN ALUMNI

From among the eminent alumni who did not complete the full four year courses at the University of Wisconsin are: Charles A. Lindbergh '24, aviator; Sen. Robert M. La Follette '19, United States senator; Frank Lloyd Wright '89, world famous architect; and Robert Zupke, football coach and athletic director of the University of Illinois.

Although this ephemeral city may appear man-made, it would not be complete without its famous women. Among them are: Bernadine Flynn '29, radio actress; Honore Willsie Morrow '09, author; Katharine Lenroot '13, chief of the Children's Bureau, Department of Labor, Washington; Ruth Collins '13, head of the women's house of detention, New York; Genevieve Hendricks '15, well-known interior decorator; Louise Phelps Kellogg '97, eminent historian; and Alice Littig Siems, famous sculptor.

Orientation--

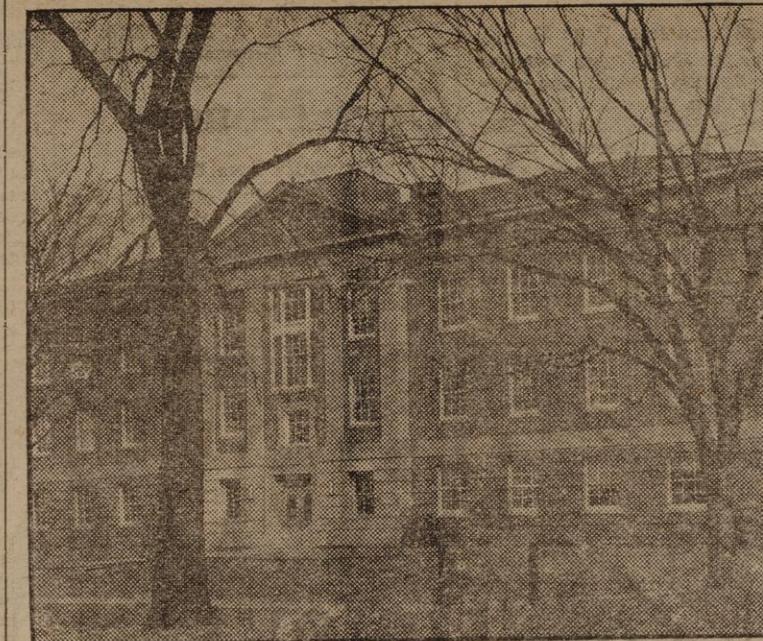
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facilitate proper assignments to class sections.

PLANS ALL MADE

The general program for next fall is already set up day by day. Freshmen will report to Bascom Hall for preliminary instructions on the morning of the first day, and then take informal campus tours with upperclassmen. Later in the week, the yearlings will take the aptitude tests, and meet with deans to learn the regulations of their colleges.

Individual conferences with advisors, enrollment, payment of fees, and med-

Modern Wonder for Campus Scientists



Above is the new wing of the Biochemistry building, completed in January, 1940. In these quarters, some of the most important nutrition experiments in the nation are being conducted by University of Wisconsin scientists. The wing adds welcome classroom and laboratory space to working quarters for students and faculty.

ical examinations at the infirmary will follow.

SOCIAL PROGRAM

The recreational side is not neglected, with the Memorial Union entertaining the entire freshman class at an open house, and Camp Randall football practices open to the freshmen. Teas and smokers will fill spare time.

And college study techniques won't be forgotten, as the new students hear advice from faculty members and students on "How to Study" at special group meetings.

FEW CHANGES

According to Merriman, the 1928 program has seen few major changes over the years.

"There was a feeling," he admits, "that we were doing too much 'spoon feeding.' Some faculty members felt that college students should be able to read the catalogue and make their own decisions with reference to courses and requirements.

ADVISORS

"This background led to one of the real difficulties in any advising program, the problem of getting informed and sympathetic advisors. We have been fortunate at Wisconsin in having a president and deans who felt that such advisory work was just as much a mark of goodness as was diligence in research and abundance of publication," Merriman adds.

Fraternity and sorority members do not take advantage of the orientation program by trying to make special contacts if they are part of the volunteer upperclass group, the registrar comments.

"Members of such organizations do not even wear their pins during the week," he says.

NO ADVERTISING

No commercial advertising is included in any of the program, either from campus or off-campus groups.

Recently, the program has been enlarged to include students who transfer to Wisconsin from other schools. A special transfer orientation program has been developed for that group.

Also, a special session with the deans of men and women has been added to the program in recent years.

North Hall Cost Less Than One Of Its Stairways

Believe it or not a staircase exists here that cost more than the building it occupies. You'll find it in North Hall, the oldest building on the campus, and the one with perhaps the most colorful and variegated history of all the university buildings.

When North Hall was built in 1851 on College Hill, which only shortly before had been a blackberry tangle frequented by rattlesnakes and bears, the cost of construction was \$19,000. A little over a decade ago, the university decided to build two new, fire-proof staircases of concrete and steel in North Hall. The cost was over \$50,000.

This oddity is a result of the increased cost of building materials, of the engineering difficulties involved, and the more expensive techniques of structure that are used in modern buildings.

But North Hall boasts more than a set of sensational stairways. It was the home of John Muir, internationally famous naturalist and botanist, and perhaps the most distinguished person to emerge from the University of Wisconsin.

a life-long interest in some worthwhile subject of study; has made a substantial beginning on vocational efficiency; has established habits of courtesy, cooperation, friendliness, and dependability; has equipped himself to be a worthy member of the political life of his state and nation; and has built into his personality the ideals and practices of a high moral character.

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UW History--

(Continued from Page 1)

policy of including within it a group of technical and professional colleges, as well as a strong College of Liberal Arts, had been determined upon.

During the presidency of Dr. John Bascom (1874-1887) the university was developed into a firmly organized and well equipped teaching institution, was brought into close and orderly relations with other public schools of the state, and was made a moral force in the lives of its students and of the community. The university grew more rapidly during the ensuing years; as the enrollment increased, buildings for classrooms, laboratories, and libraries were erected.

It was during this period of the university's early years that athletics were organized at the University of Wisconsin. It was not until 1870 that any kind of team was organized, a baseball team, and three years later Wisconsin played two games of baseball with the Beloit team to begin intercollegiate sports competition. But the great sport of football was comparatively tardy in its appearance at Madison.

It was not until 1889 that a Wisconsin football team was organized sufficiently to play an outside opponent, and Wisconsin's first real football game was played Nov. 3, 1889, against a Milwaukee club team, consisting largely of college graduates who had played football in the East.

ENTERS COMPETITION

During the next few years Wisconsin entered real intercollegiate competition losing its first games sometimes by top-heavy scores, but during the last five years of the 19th century Wisconsin produced several championship 11's, and football along with all other forms of athletics had found a secure place for itself in Wisconsin's educational work.

Today the university's teams compete in intercollegiate contests in each of the following sports: football, baseball, boxing, crew, track, basketball, cross-country, swimming, golf, wrestling, tennis, and fencing, and in addition an extensive intramural program is carried out among the men and women students in the university.

With the constant growth in the state's population and the steady expansion of the university's activities, resident enrollment grew slowly but surely. With the beginning of the 20th century in 1900 a total of 2,313 students were preparing for life careers at the university.

HAS LARGE ENROLLMENT

Today the University of Wisconsin has a resident enrollment of more than 12,000 students annually during the regular school year, a summer school enrollment annually of more than 4,500 students, and an active enrollment in university extension courses of study of slightly more than 26,000 registrations. There are about 70,000 Wisconsin alumni living in every state in the Union, in every foreign possession of the United States, and in 40 foreign countries in every part of the world.

The Wisconsin campus, considered one of the three most beautiful in America, consists of several thousand acres of rolling wooded land bordering on one of Wisconsin's largest and most beautiful bodies of water, Lake Mendota at Madison. The hundreds of classrooms and laboratories of the university are housed in several score large buildings spread over the campus.

The physical plant of the University of Wisconsin is now valued at more than \$25,000,000.

The work of the present-day University of Wisconsin is divided along three lines; education; public service; and scientific research.

For administrative and education purposes, the university is divided into nine divisions, including the College of Letters and Science, Engineering, and Agriculture, the Medical, Law, Education, Graduate, and Nursing schools, and the extension division. These nine divisions of the university are divided into numerous departments, in which students can pursue a wide variety of studies leading to academic and professional degrees in practically every field of human endeavor. The faculty of the university, which includes many scholars and scientists of national and international reputation, consists of about 600 teachers of professorial rank, and a similar number of junior faculty members including instructors and assistants.

SCIENTIFIC RESEARCH

Besides its educational work, the University of Wisconsin carries on a great deal of scientific research in various agricultural and industrial fields, and conducts numerous public services for the benefit of the citizens of the state.

So widely throughout the state are used the various public services, and the results of the scientific investigations conducted by the university, that it is often said that the "boundaries of the state are the boundaries of the University of Wisconsin campus."

The ranking of the University of Wisconsin among the educational in-

stitutions of the nation is revealed by the recent report of the American Council on Education. This report, based on statements made by more than 2,000 educators scattered throughout the country, gave the University of Wisconsin qualified rating in 14 fields of human knowledge and distinctive rating in 17 fields which means that Wisconsin's university is fully prepared to give training according to the highest standards in 31 out of a possible 35 fields. No other American university surpassed this record.

—Patronize Cardinal Advertisers—

Dykstra--

(Continued from Page 1)

minded or the loose-lovers. Here we want to develop careful and profound thinking, sane and balanced living, and a decent and wholesome approach to the problems of life.

"I speak not for myself alone but for all my associates of the university staff when I assure those of you who come to the University of Wisconsin that we are here to help you make the most of your years of opportunity on the campus. We will be delighted to have you, and

we shall watch with keenest interest as you grow in stature and in understanding."

—C. A. DYKSTRA
University President

Open House--

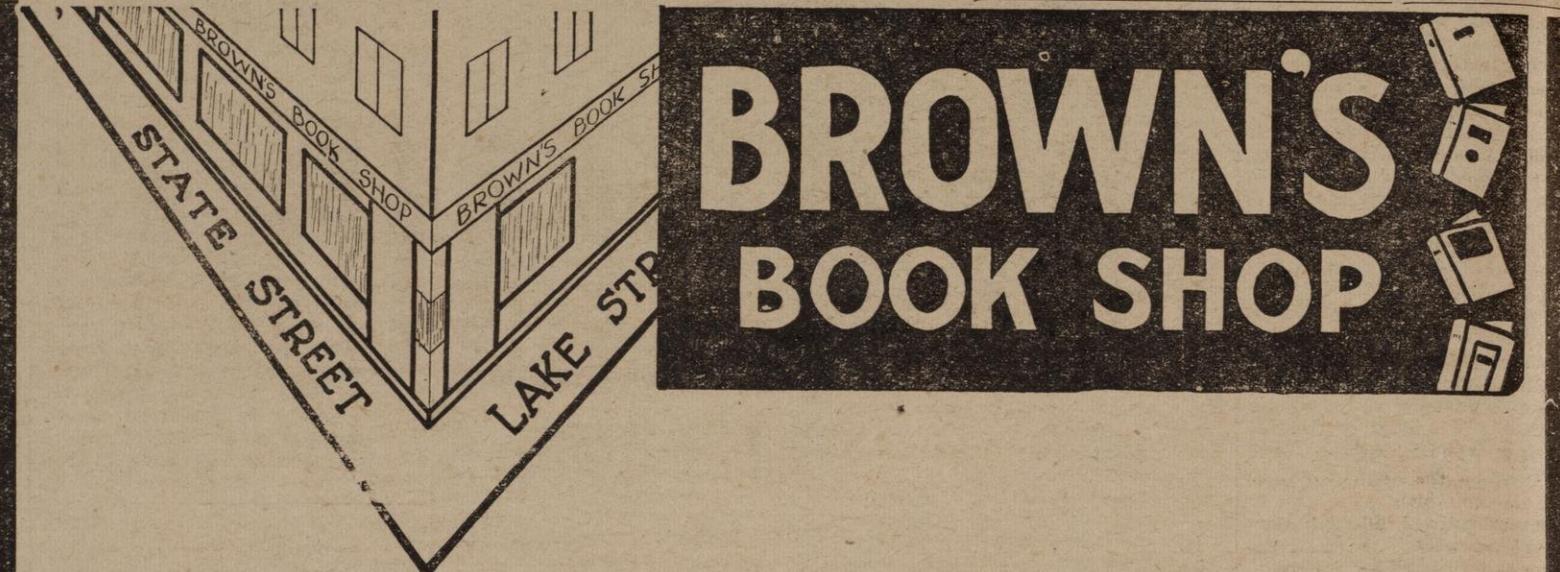
(Continued from Page 1)

not only with fellow class members but also with the far ranging recreational facilities of the Union. Each Union committee of upperclassmen will be on hand in committee headquarters with exhibits and information.

Last year 2,700 students attended the open house, including practically every freshman and transfer and about 200 upperclass orientation leaders.

Chairmen in charge of open house are Bob Lampman, Union president; John R. Wilson, general open house chairman and chairman of the commons committee; Pat Bissell, chairman of the house committee; Ben Park, chairman of the theater committee; and Elva Ristau, chairman of the women's affairs committee.

"To love one that is great, is almost to be great one's self."—Mad. Neckar.



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EVERYDAY BARGAINS ... At Brown's!

Count The Sheets!
Every Pad Full 100 Sheets!

Typing Pads

Heavy-weight Bond Medium-weight Bond
15c—2 for 25c 10c—3 for 25c

Watermarked Rag-Content Heavy-Weight
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All of these pads 8 1/2 x 11 size. All plus-quality in their price classes.

These student supplies are of the same high quality that has made Brown's Wisconsin's big college bookstore!

Months ago our buyers placed their orders for this fall so that Brown's could give you more for your money at no sacrifice in quality.

It's Fun To Write Letters!

Die-Stamped
UNIVERSITY SEAL

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Each sheet with a handsome University Seal design die-stamped in brilliant Cardinal Red or rich Gold. Folded or unfolded sheets. Ripple or Vellum finish. Another of Brown's outstanding values!

5% REBATE
CHECKS, TOO!

All you need to do to share in these added savings to Brown's fair prices is to turn in the Cash Register Receipts you receive with your purchases! These slips are worth 5% of their face value in cash or trade!

BROWN'S

WISCONSIN'S BIG
COLLEGE BOOKSTORE

STATE AND LAKE

Campus Co-ops Save Money For Students

Wisconsin's thriving cooperative movement is well represented at the university campus.

Seven eating clubs and a cooperative rooming house on the campus save almost 600 students money on their meals and room expenses. In addition, the co-ops have their own stores for paper and school supplies, which also sell toilet goods and other articles at substantial savings.

The eating clubs, which range in membership from 30 to 100 each, have social, athletic, and educational programs for their members which promote good-fellowship and lasting friendships.

Three of the clubs, Green Lantern, Huntington, and Congo, are entirely student sponsored and managed. Four others are sponsored by their church organizations and are located at the respective student centers. They are Wayland co-op (Baptist), Three Squares Eating club (Methodist), Catholic Eating club, and the YMCA co-op, located at the university YMCA.

WORK PART TIME

At all of the eating clubs, students do all their own work excepting for the services of a full-time cook. Three hours per week, spent at peeling potatoes, drying dishes to the tune of masculine and feminine voices, or cleaning the recreation rooms, is the usual amount required.

Student officers of the clubs, elected by the members or appointed by their boards of directors, take care of the management, buying, and direction of the organization's business and social programs. Excellent opportunities for developing leadership and gaining experience in business management are available for members in the clubs.

HAVE 'HOUSE OF THEIR OWN'

Rochdale co-op, the men's cooperative rooming house, is strictly student-owned and managed. With two years of successful operation behind it, this fall it will move to an expanded location at 439 North Murray street, next door to the Presbyterian student center at the corner of State street.

At this rooming house, members claim all the advantages in the way of good-fellowship that can be found in any kind of housing organization on the campus, with the additional advantage of low cost and the feeling that they are "running their own house." Several outstanding campus leaders in student publications, politics, and cooperatives, are members of the group.

Integrating the economic activities for greater efficiency and savings and the social, educational, and athletic programs of the cooperative units is the federated Campus Cooperative association.

SPONSORS DANCES

Among its activities are several all-campus co-op dances held in the Memorial Union each year, and large-scale wholesale buying for the member groups.

Information about the co-ops may be obtained at any of the member co-ops, or at the headquarters of the Campus Cooperative association in Rochdale house.

U.W. Students Get Start for Careers In Radio at WHA

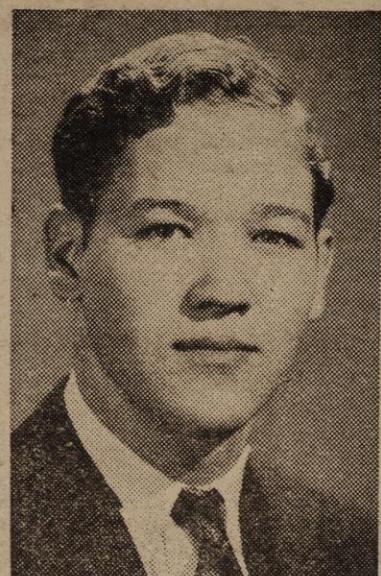
Getting started in radio was just part of a college education for several former University of Wisconsin students who began their careers as announcers and program managers at station WHA, the state-owned station on the university campus.

Among announcers who had training at WHA are James Fleming, with Columbia Broadcasting system in New York city; Vern Hansen at WGN, Chicago; George Comte, Warren Mead, and Bill Evans (Maurice Cannelin) at WTMJ, Milwaukee; DeAlton Neher at WEBC, Superior; Larry Kirk at KXL, Portland, Ore.; Al Gilbert, James Robertson, Don Uglum, and Edward Fleming at WIBA, Madison; Syd Rich at WTAQ, Green Bay; Bert Mulroy, at WEMP, Milwaukee; and John Dixon, at WROK, Rockford, Ill.

Professional radio dramatics is now the work of several who were once WHA players. Among them is Vivian Fridell of "Back Stage Wife" fame. In Chicago, free-lancing, are Willard Waterman, Don Sutter, Eloise Kummer, Virginia Temples Fagerlin, and Kenneth Fagerlin.

Opportunities for basic training and experience needed in radio are hard to get. That is why the laboratory which WHA provides is an attraction to ambitious university students.

Campus 'Multi-Prexy'



ROBERT LAMPMAN, Plover, president of the Memorial Union, the university's "living room," and of the board of directors of The Daily Cardinal, is one of the campus' most prominent students.

Lampman was president of the university YMCA in his junior year last term, has been prominent in speech events and competition, student politics and government as a member of the Badger Party executive committee, and last spring won the coveted Alumni association award recognizing him as "the university's most outstanding junior." A major in the department of economics, Lampman will be a senior next fall.

LIVESTOCK NIBBLE WINGS OF PLANE IN PASTURE

Youngstown, O.—(U.P.)—Pilot Henry Kachel offers this advice to other airmen: "If you're not an all-metal airplane don't park your ship in a pasture."

On a weekend trip recently, Kachel staked his plane out overnight in a farmer's field.

In the morning he found that horses, attracted by the banana oil in the "dope" applied to the fuselage, had eaten off important pieces of the plane's outer covering.

HAMILTON, MEN'S COLLEGE, COUNTS THREE ALUMNAE

Clinton, N. Y.—(U.P.)—Hamilton college is strictly for men, but it has three alumnae.

The college awarded an honorary degree to Miss Alice Van Vechten Brown, professor of art emeritus at Wellesley college and the daughter of a former Hamilton president, at 1941 commencement exercises.

Previously only two women had received honorary degrees, Ruth Draper in 1924 and Helen Hayes in 1938.

1894 Regents Give University Famous Creed

"We cannot for a moment believe that knowledge has reached its final goal or that the present constitution of society is perfect . . . In all lines of investigation . . . the investigator should be absolutely free to follow the paths of truth wherever they may lead . . .

"Whatever may be the limitations which trammel inquiry elsewhere, we believe the great State University of Wisconsin should ever encourage that continual and fearless sifting and winnowing by which alone truth can be found."

That was the answer which the board of regents gave to the stinging hornet's nest of criticism swirling around the alleged "economic heresy" of Dr. Richard T. Ely back in 1894. Written by Herbert W. Cheyneweth, a board member, that reply, particularly the last paragraph, has become the creed and driving spirit of the university.

Today if you go up the hill, you will find it on a bronze plaque at the entrance to Bascom hall.

It was not always there; for many years the regents (a different board than that of 1894, please note) refused it a place on the campus. For the flood tides of reaction which recur regularly in Wisconsin had engulfed the regents along with the ruling forces in the period around 1910. The adoption of the report, and what it stands for, as the university's creed by the seniors was like a sediment left by a flood.

The university was facing the slings of an attack which saw the resignation of Frederick J. Turner from the chair of American history, and investigations of the classroom utterances of the faculty. Some of the fire sprang from the board of regents itself.

In protest the class of 1910 had cast a bronze tablet on which was inscribed the declaration of freedom made by the board of 1894.

And so, the board of 1910 refused the class plaque a place on the campus, the first time a class memorial had been so refused. During the summer, after commencement, it was hung in the student Union over a fireplace.

While the direct issue was a class memorial, its significance went deeper. The controversy, therefore, continued during the next year; F. Ryan Duffy, then president of the class of 1910, took a leading role in the fight.

Another year dragged on; in April, 1912, the board went through the rubber-stamp ceremony of acceptance; then it was stored in the basement of the Administration building: "accepted" but not accepted. There it stayed until 1915; on June 15 it was placed on Bascom hall. Meantime the inci-

dent had attracted enough interest to slip fully-clothed into politics, and the creed had been written into the platform of one of the state political parties.

Then in 1922 the regents turned and adopted the creed as one of their by-laws.

Thus the creed was accepted. Do not forget that those were overt acts. The lesson to be learned is that there is a long road to travel even for the mere symbols of such an ideal.

The corollary: Acceptance of the spirit has an even longer road.

MAN DIES IN COURT; MORAL: DON'T CHEW

Detroit—(U.P.)—Vincent Kisil, 55, nervously paced the recorder's court bull-pen Wednesday while awaiting trial for intoxication.

He began chewing paper. Some of it lodged in his throat. Ten minutes later he was dead from suffocation. Judge George Murphy dismissed the charge.

MYSTERY! HOW DID IOWA CAR GET N. Y. FINE

Fort Dodge, Ia.—(U.P.)—Mrs. Grace Kruse, Fort Dodge, received a New York city traffic summons, ordering her to pay a \$2 fine for a parking violation on May 27, 1941.

While the summons listed correctly her name and the license number, Mrs. Kruse says neither she nor her car has been east of the Mississippi river.

MONTGOMERY DONE WITH MOVIES "FOR DURATION"

London—(U.P.)—Announcing that he is "washed up with Hollywood" for the duration of the war, Lieut. Robert Montgomery, motion picture actor, Friday took up his duties as assistant naval attache at the United States embassy.

LUCK BAD AND DOUBLE

Dallas, Tex.—(U.P.)—The luck of Mrs. Juanita Cooper seems to run in streaks—all bad. Her first piece of ill fortune came when her car was involved in an accident. As she conversed with an accident investigator, someone took her purse from the car. It had \$6 in it.

THIEF DOUBLY INSULTING

Dallas, Texas—(U.P.)—D. E. Morton was irked by the thief cutting a hole in his screen, entering, and taking a typewriter and a briefcase. That was bad enough, Morton said, but he didn't have to walk over my clean bed with muddy shoes on.

OKLAHOMA ENLISTS WOMEN

Oklahoma City, Okla.—(U.P.)—Gov. Leon C. Phillips has signed an act to provide for a home guard and a women's auxiliary unit. Both memberships will be on a volunteer basis with pay due only when actually in service.

Tin cans are made mostly of sheet steel and only a little tin.

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To all Freshmen
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Madison, Wis.

Dear Friends:

Freshman Week begins Sept. 17. Before that date you will arrive in Madison to find a room and settle down in anticipation of the opening of school. We know you will be busy, but nevertheless one of the most important things for you to do is to drop in the Co-op to become acquainted with this famous institution. Under one roof you will find almost all of your school requirements in a large modern air conditioned store. Over 60,000 students are members of the Co-op and have traded here over a period of 49 years. Many thousands of dollars have been returned to members as rebate dividends, which adds to the many advantages in trading in this large modern store. Membership is not required, but it costs nothing to join and members are eligible to receive the Co-op rebate which has been 10% the past few years. An alternative plan of 5% immediate cash rebate is available to members and non-members alike.

For your immediate requirements we suggest that you visit our Gift Shop for such things as room furnishings, lamps, clocks, and pennants. Tremendous stocks of text books also are available either new or second hand. Stationery, fountain pens, and other supplies are here for your inspection. Other departments in our building, but not operated by the Co-op, include men's clothing, women's apparel, men's shoes, and sporting goods.

Again we urge you to visit the Co-op as soon as you can. We want you to come in without any thought of buying—just to look around. You will like the friendly collegiate atmosphere.

Sincerely yours,
The University Co-op
702 State St.

August, 1941

Armchair Walk Around Campus Includes Historic Landmarks

Want to take a walk around the Wisconsin campus without stirring from your armchair?

Let's start from long-famous Bascom hill and walk down the slope in back of Bascom hall. The bronze tablet placed on a large boulder at the foot of the carillon tower is of particular interest. For it was on this trail, over the hill along the shore of Lake Mendota, that Black Hawk, Sauk chief, once rode with his band in retreat from the United States militia.

His flight was halted near the Wisconsin river where the battle of Wisconsin Heights was fought on July 21, 1832. At this point, the band crossed the river and continued its retreat to Bad Axe on the Mississippi where it was again attacked and many were killed and captured. The bronze tablet was a gift from the class of 1888.

On your walk around the campus you'd want to include the special trees some of which are older than the university itself. The most famous of all is the Black Locust tree which stands at the rear of North hall on the edge of Muir knoll. It was under this tree that John Muir took his first lesson on botany. Second in importance, perhaps, is the giant burr oak which is known as the President's tree and which stands to the left of the east walk between Bascom hall and the observatory. Another great oak grows directly in front of the home of the university astronomer at the top of the hill and is called the "Astronomer's Tree."

INTERESTING EXHIBITS

Other interesting "exhibits" in the university's outdoor museum include the flag pole, North hall, Muir knoll and many more. At the eastern entrance of the historical library building stands a flag pole mounted on a granite base. It was dedicated June 3, 1932, "to commemorate the founding in 1904 of Scabbard and Blade, National Military Society."

The North dormitory (now North hall) was the first building to be erected by the University of Wisconsin. It was opened for classes on Sept. 17, 1851. It was built of Madison sandstone and its cost was \$10,000. The three lower stories contained studies and bedrooms and the fourth floor recitation rooms, a library and a natural history museum. The building was intended to accommodate 60 students. John Muir's room was the northeast room on the lower floor. He came to the university in the fall of 1860.

On Muir knoll, a red granite boulder with a carved gilded inscription is located by the side of the drive in the rear of North hall. This knoll was named in honor of the famous naturalist by the board of regents in April, 1918.

The large Rasmus Bjorn Anderson boulder, which bears a resemblance to a Viking ship, was placed on Muir knoll by the Scandinavian section of the Wisconsin Centennial committee in 1934 in memory of the famous teacher, author and diplomat. Anderson was the first Wisconsin-born professor of the university faculty, of which he was a member from 1869 to 1883. He was the founder of the first chair of Scandinavian language in America. He was United States minister to Denmark, 1885 to 1889.

On the roadside slope a short distance west of Muir knoll are boulder and cut stone monuments of the graduating classes of 1868, '86, '91, '93, '97 and '99. An elm tree at the head of the north walk of the campus, op-

Engineering Dean



A Wisconsin graduate who eventually became dean of the very college from which he received his degree, so reads the romantic story of **F. ELLIS JOHNSON**, dean of the College of Engineering, shown above. He directs the program of the engineers in addition to being active in the engineering field.

posite Bascom hall, bears the label of the class of 1872.

The second earliest building on the campus, South hall, was ready for occupancy in 1855. The north half contained 16 studies and bedrooms. The south half was occupied by members of the faculty and their families. The earliest quarters of the university library were here. This building was also for a time the location of the Female college. A part of South hall (third floor, middle section) was in use by the College of Agriculture 1883 to 1904. In South hall, 1890, Prof. Stephen Moulton Babcock invented the famous milk test and the curd test.

OLD ASSEMBLY HALL

Music hall, once known as Assembly hall, was built in 1879. It served for 25 years as the university library, which occupied the rear wing.

"Ladies Hall" (now Chadbourne hall) was built in 1870. In 1871 it was occupied by the normal department of the university and was known as the Female college. Women were admitted to the university in 1862.

Bascom hall, first known as "Main Hall," then as "University Hall," was completed in the summer of 1859. The south wing was built in 1898-99, and the north wing in 1905. It has undergone frequent and radical changes since its building. The dome was burned on Oct. 10, 1916.

Lincoln monument, the bronze statue of Abraham Lincoln by Adolph Alexander Weinman, is a replica of the Lincoln statue at Hodgenville, Ky. It is the gift of Mr. Thomas E. Brittingham of Madison. The statue was unveiled on Alumni day, 1909.

The Memorial tower and carillon, tall and impressive stone building, was erected by the 10 university graduating classes of the years 1917 to 1926, in the year 1934. There are 30 bells in the carillon at the present time.

The Washburn observatory, stone building on Observatory hill, was the gift to the university of Ex-Gov. Cadwallader C. Washburn in 1878. Prof. James C. Watson became the director of the observatory in 1879.

GLACIAL BOULDER

The huge glacial boulder, Chamberlin rock, is a short distance west of the observatory and commemorates the services to Wisconsin of Thomas Crowder Chamberlin, leader in science and education.

He was state geologist, 1873-1882, and president of the university from 1887 to 1892.

This boulder was excavated from the crest of the hill in 1925. Its estimated weight is about 60 tons.

The 4-H Club knoll, at the western end of Observatory hill, is marked by a granite boulder bearing the inscription, "4-H Club Knoll, 1930." It is dedicated to the Wisconsin clubs.

On the lawn in front of Hiram Smith hall is a boulder monument bearing a bronze tablet with portrait erected as a memorial to Henry Krumrey, 1852-1922. He was the founder of the Wisconsin Cheese Producers' federation and a leader in the cause of cooperative marketing.

Commemorating the service to the dairy industry of the late Prof. E. H. Farrington, a boulder was placed at the base of a pine tree (E. H. Farrington pine—1927) on the side of the road opposite Hiram Smith hall.

A large granite boulder placed near two oak trees and bearing the inscription, "Henry and Babcock Oaks—1921," stands on the north side of the Linden drive a short distance northwest of the Horticulture building. These oaks commemorate the service to Wisconsin agriculture of Dean William A. Henry and Prof. Stephen M. Babcock.

At the southern end of the Henry quadrangle, facing University avenue, is the Henry monument, a boulder placed "In recognition of the Pioneer Services of Dean William Arnon Henry to Science and the Practice of Agriculture in this University, the State and Nation from 1880 to 1907."

At the north end of the Henry quadrangle stands the Hoard memorial. This monument (stylus with wings) with a bronze bust of William Dempster Hoard, 1836-1918, commemorates his services in organizing the State Dairymen's association at White-water in 1872. He was governor of the state from 1889 to 1891. "Hoard's Dairyman," published in 1885, was the organ of the dairymen of the United States. The monument, designed by the sculptor, Gutzon Borglum, was presented to the university by about 3,000 dairymen from all over America and some foreign countries. It was unveiled Feb. 3, 1922.

On the western edge of the formal garden of the Wisconsin General hospital, stands the Gold Star sundial. It was dedicated on Nov. 11, 1935, to the memory of the sons of Gold Star mothers by the Service Star legion, Wisconsin division. "In the Garden of Memory the spirit of their sacrifice lives forever."

Two prehistoric Indian effigies

Shuffle Board Popular at the Union



Pictured above are twin sisters Kaleen and Gladys Wood enjoying a game of shuffle board during the summer session open house at the Union. This will be one of the unique features of the Union's many recreational facilities which the freshmen will enjoy during the Union's "Freshman Open House" on Thursday, Sept. 18.

Located on a specially planned deck overlooking the Union terrace and Lake Mendota, this shuffle board court makes it possible for the students to play a game which is usually found only on the decks of modern luxury liners.

Here it is possible to enjoy all the natural atmosphere of ocean travel, in fact, without stretching one's imagination too far, it is possible to look out over the wide expanse of Lake Mendota and literally feel the roll of the boat beneath you.

The shuffle board equipment is available to all members of the Union and can be checked out from the main desk any time during the day.

mounds, representing a bird and a turtle, are preserved on Observatory hill. The turtle mound is remarkable among turtle mounds in having two

ing mounds of a group once located on the hill. Some were destroyed in 1904, when Agricultural hall was built.

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Edwin O. Olson

At The University Co-op

Staff--

(Continued from Page 1) Commerce. He has been a member of the Wisconsin faculty since 1911 and professor of accounting since 1917. He was president of the Wisconsin state board of accountancy from 1917-23, and has served as president of the American Association of University Instructors in Accounting. He is the author of numerous and widely used text books in the business field. Recently he inaugurated the bureau for business research at the state university.

PROF. CHRIS L. CHRISTENSEN came to Wisconsin in 1931 as dean of the College of Agriculture and director of the Wisconsin agricultural experiment stations and extension service. Widely known authority in the field of farm cooperatives, in which he has made a number of valuable studies, he has worked tirelessly for the betterment of Wisconsin's great farm industry.

PROF. C. J. ANDERSON, as dean of the School of Education, has succeeded in building up one of the nation's finest teacher training centers at the University of Wisconsin. Professor Anderson is a member of the National Education association and the Wisconsin Teachers' association, of which he served as a president in 1925. He has written a number of books in the field of education, and is a recognized authority on modern educational problems.

DR. EDWIN B. FRED, dean of the Graduate school at the state university, is one of the nation's foremost bacteriologists. He has made a number of valuable studies in the field of agricultural bacteriology and is co-author of several text books in this field.

DR. WILLIAM S. MIDDLETON is dean of the state university's Medical school. Dr. Middleton came to the university in 1912 and has served in the Medical school since that time, with the exception of two years, 1917-19, when he was in the medical corps of the United States army. Widely known throughout the nation for his medical work, Dr. Middleton is a member of the American Medical association and the state and Dane county medical associations. He is also an associate member of the Association of American Physicians and a fellow of the American College of Physicians.

DR. GEORGE C. SELLERY is dean of the College of Letters and Science. He came to the university in 1901 as instructor in European history, and in 1909 became professor of history. He is well known as an educational administrator and as the author of numerous books on history. He is a member of the American Historical association and the Wisconsin Historical society.

ANDREW T. WEAVER is professor of speech at the university. Professor Weaver was born at Waukesha, Wis., and obtained his master of arts and doctor of philosophy degrees from the state university in 1911 and 1923 respectively. After teaching at a number of colleges and universities throughout the country, he became assistant professor of speech at the University of Wisconsin in 1917, and professor and chairman of the department in 1925. As author of a number of text books on speech and as member of the National Association of Teachers of Speech, of which he served as president in 1927, Professor Weaver is extensively known for his work in his field.

JOHN GUY FOWLKES, professor of education, who joined the faculty of the university in 1922, is prominent among schoolmen in the state. He is a member of the National Education association and is the author of numerous text books widely used in secondary schools. He is also well known for his research work on complex problems concerned with public school finance and administration and related problems.

LLOYD K. GARRISON, dean of the Law school, was a nationally known practicing attorney in New York at the time of his appointment as dean at Wisconsin in 1932. Previously he had served as a special assistant to the attorney general of the United States in a nation-wide study on the operation of the national bankruptcy act. Several years ago, while on leave of absence from the university, he served his federal government again, this time as head of the national labor relations board.

F. ELLIS JOHNSON, dean of the College of Engineering, received his engineering degrees from the University of Wisconsin. He has taught successively at the Rice Institute in Houston, Tex., the University of Kansas, where he taught for 15 years, acting as head of the electrical engineering department for two of them. Before coming to Wisconsin he served as head of the Iowa State college department of electrical engineering for eight years.

GRANT M. HYDE, professor of journalism, has served as director of

the School of Journalism for the past five years. He has been on the university faculty since 1910, and acted as editor of the university press bureau for 12 years. Formerly managing editor of Popular Science Monthly, he has also been on the staffs of Christian Science Monitor, New York Evening Mail, Popular Mechanics magazine, and several other publications. He is the author of several books on various phases of journalism.

There is hardly a phase of the activity of the citizens of Wisconsin which has not been profitably affected by the work of the notable legion of scholars who are the teachers at the

state university. Indeed, the "Wisconsin Idea," which is one of the most talked of educational theories of the 20th century, is nothing more than this concept of a university whose faculty can help to serve the day to day interests of the citizen as well as teaching his sons and daughters.

Merriman--

(Continued from Page 1) each other, and to the problems of a college campus.

"It is because of this need for a constant renewal of the student

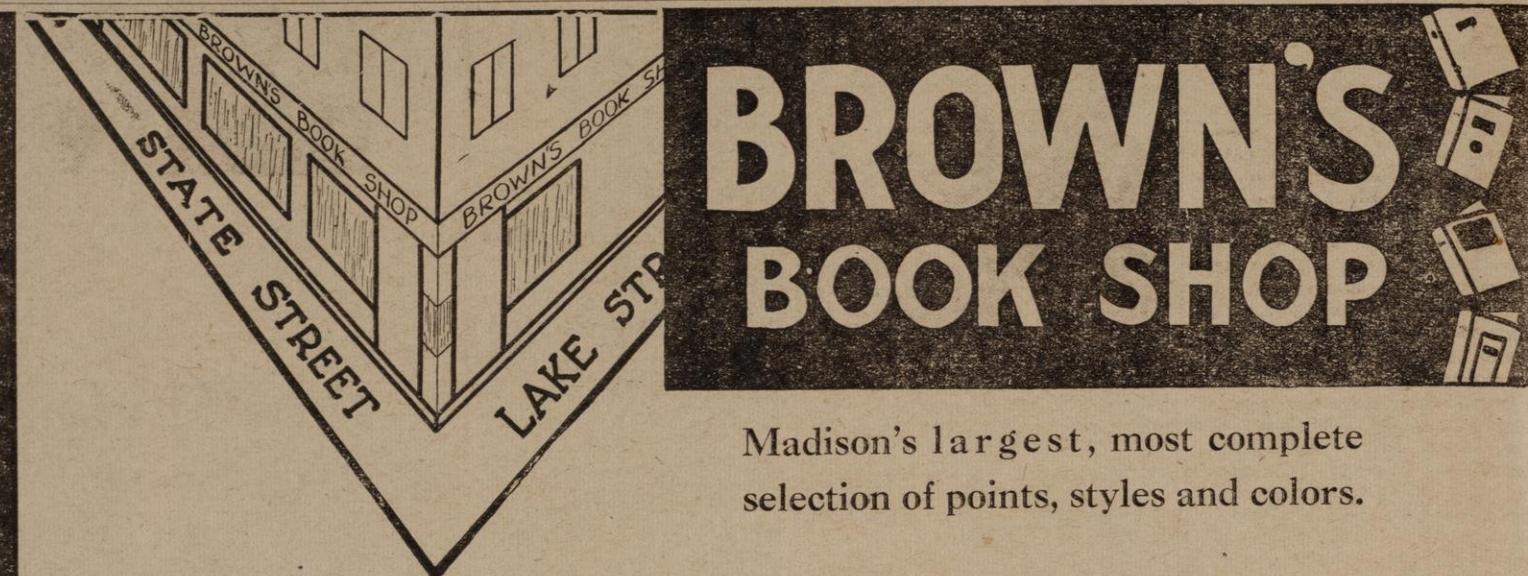
body that we welcome the class of 1945. You bring to us all the enthusiasm of youth. You have your ideals and your plans. The university offers you an opportunity to study the complex problems of society in this generation. You will have the guidance of men and women who have had a leading part in the work of today. You will become acquainted with the leaders who are to work with you in your chosen field.

"You are entering upon a period of intensive preparation for your profession. You will find much hard work and an occasional disagreeable task. This is life, and we welcome

you to its challenges. It will be a pleasure for us in the office of the registrar to record good marks for you as a part of the official record of your days in the university. We look forward to another June when you too will go forth from the campus to take a leading part in making the world a happier place in which to live. We hope that your four years on the Wisconsin campus will enable you to place supreme emphasis where superlative values lie."

—CURTIS MERRIMAN
Registrar

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Student Government Strong at UW

Board Activities Affect Students At Work, Play

Student government not by and for a favorite few, but affecting every student in his social activities, his housing and employment problems, and numerous other phases of his campus existence, has become an actuality at Wisconsin.

Every student enrolled in the university automatically becomes a member of the Wisconsin Student Association, which serves as the foundation of the student government setup, one of the strongest in Big Ten and Midwestern universities and colleges.

Governing body of the Wisconsin Student Association is the student board, composed of 16 members, five of them women, elected each spring during general campus elections.

EXERTS INFLUENCE

Emerging from the purely social Men's Union board, the student board, in the short space of three years, has developed into a strong legislative and administrative organization administering not only nearly the entire campus dance program, but exerting its influence on campus housing and working conditions through various committees, and supervising the organization and activities of the various housing units through the House Presidents' council and Women's Self-Government Association (WSGA).

In addition the board administers, sponsors or finances such all-campus programs as student elections, freshman orientation, Parents' weekend, scholarship brunches, Campus Community Chest charity drives, a vocational guidance program and an all-campus work day.

PUBLIC RELATIONS

Through its diverse public relations program, the board aids in the important task of creating good will for the university in the state at large and among alumni groups, and helps to attract outstanding high school students to the university.

This year, under the able and active leadership of President Carl Runge, the board expects not only to continue its administrative and legislative work, but also to add judicial functions to its activities. Under a plan drafted by Robert Avery, last year's board president, the student board, through a special court, will be empowered to deal with traffic and many student conduct cases previously handled by the faculty.

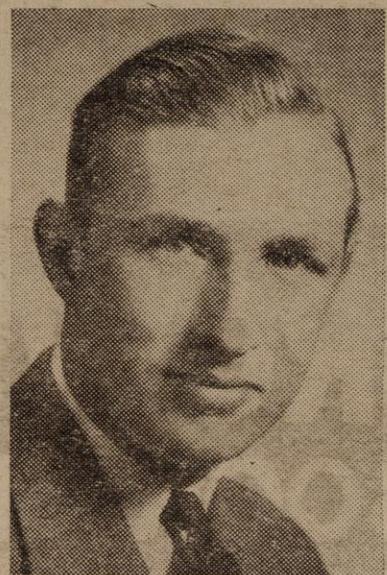
"All incoming freshmen, along with the upper-classmen, will have a chance to vote on the adoption of the student court plan," Runge pointed out.

COURT PROGRAM

Long under discussion, the court plan was approved by the faculty last spring.

Technically, the student board is composed of 10 seniors and six juniors. Six of the seniors were elected for two-year terms during their sophomore year, the remaining four for one-year terms at last spring's elections. The six juniors now on the board

Student Body Head



CARL RUNGE

were also elected last spring for two years.

With the exception of the WSGA president, and a man-at-large, all board members are elected on a class basis, by members of their respective classes. In order to be eligible for board office, a prospective candidate must pass a student government examination, and must have 1,000 credits in various board or other campus activities.

BOARD PERSONNEL

Officers of this year's board in addition to Runge are Nat Heffernan, vice president; Betty Biart, WSGA president, second vice president; Darrell McCrory, secretary, and Dick Oberly, treasurer.

Other board members are Bud Reynolds, house presidents' council chairman; Carla Waller, housing committee chairman; John Bossard, wages and hours committee chairman; Martha Wells, Campus Community Chest chairman; Barbara Mackey, Kenneth Calligaro, Sherwood Gorenstein, Howard Bachman, Len Robock, Bob Philp and Helen Hall.

However, board activities are not limited to board members, Runge stressed, and more than 200 other students annually work on the various phases of these board activities, either as committee chairmen, members, assistants or apprentices.

Under a new plan adopted last year, the old "assisting staff," which served as incubation center for would-be board members and chairmen, was eliminated, and replaced by an "apprentice" system, whereby those interested in student government work are immediately apprenticed to the committee or activity in which they are most interested, following interviews.

WAGES GROUP FURTHERS GOOD WORK STATUS

One of the most significant phases of the student board's program is the work carried on by the wages and hours committee which has developed a year-round program of furthering good student working standards.

In its effort to protect and better campus working conditions, the committee, under the chairmanship of John Bossard, last year began to secure the agreement of employers of student help to certain minimum standards for wages and employment conditions.

As a first step in this program, the group obtained agreements to abide by its standards from the fraternities, sororities and certain dormitories not included in the university residence halls. The committee also received the endorsement of the board of regents for its objectives, when that body approved agreements with the committee covering all student employees in university residence halls and the Memorial Union.

Toward the close of the semester, the committee began signing eating establishments and other places of employment in the university district to its contract, issuing "White List" cards to those complying with the committee's minimum standards.

CCC Drives Aid Campus Charity

The Campus Community Chest (CCC), set up several years ago as a single, centralized student-raised fund serving as contribution center to organized on and off-campus charities and agencies, has become an established part of the student board's program, and constitutes its greatest effort in the field of campus charities.

The CCC annually conducts a week-long drive, raising funds from organized house and individual contributions, and thus eliminating numerous parallel drives. The money collected is distributed to scholarship funds, the American Red Cross, charity, foreign relief and other established agencies. Last year, under Board Member Carla Waller, the drive netted more than \$1,000, and this year's CCC chairman, Martha Wells, hopes to better that record.

The board also has a general scholarship fund, money for which is raised through all-campus "brunches" held during the winter, and generally attended by close to 2,000 students.

Board Sponsors Workday; Students Dig



Shown above is a group of students decked out in overalls and ready for an all-day digging session at last year's all-campus Workday when approximately 1,500 men and women from nearly all walks of the campus turned out to repair the muddy, rutted lake road, and give it a new cinder pavement. Sponsored by the student board, the Workday proved so successful that it will become an annual event giving students a chance to improve or repair some part of the campus on their own.

New Student Court Set-up Will Seek Voters' Approval

All entering freshmen, together with the upper-classmen, will have an opportunity to vote on the adoption of a new student court plan, which will give student self-government on the campus its third branch, judicial powers, during the first three weeks of their residence.

If approved by the student body, the new court will have jurisdiction not only over violations of board rules, but also over all infractions of established student conduct and standard regulations, with the exception of cases now handled by the faculty committee on student life and interests, and other special cases listed in the articles for the new court.

Approved by the faculty last spring, after it had been submitted by the board, the court set-up calls for six student judges, two juniors, two seniors and two graduates, to be selected by the board from nominations submitted by department chairmen. The board will also elect the chief justice from among the six judges.

Three of the six judges are to constitute the court at any trial. In addition to the judges, the court personnel will include an advisor selected by the university president from faculty or administration members, a court representative and a public counsel selected by the student board, and a clerk appointed by the court.

The sitting judges will be empowered to try and decide all cases under its jurisdiction, and to impose appropriate

arshad, money for which is raised through all-campus "brunches" held during the winter, and generally attended by close to 2,000 students.

priate sentences, but each defendant will have the right to appeal to a board of appeals composed of five faculty members appointed by the university president, and two students selected by the student board.

Time and method of the balloting for approval of the student court set-up will be determined by the student board early in the semester.

Housing Committee Conducts Surveys

Concerned with investigating and bringing about improvements of campus living and housing conditions constitute the work of the student board housing committee.

Last year, under the chairmanship of Carla Waller, outstanding woman member of the board, the housing committee became a functioning part of the board program, concerning itself with appeals and attempts to bring about improvements and reform in conditions that seemed below standard.

Most important work done by the committee during the past year, which will be continued during the coming school year, was a complete survey and plans for establishing a woman's cooperative house, which may be put into effect sometime this year, according to Miss Waller.

The salt in the oceans, if extracted, would be sufficient to cover the entire United States with a layer one and a half miles deep.

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Museum Exhibits Follow History Of Earth Down Through the Ages

Jump on the Flying Carpet and visit the Geology museum where you can "fly" back into the earth's history millions and millions of years. You can look into the exhibit cases and follow the story of life on earth which Nature has preserved in rocks from the tiniest animals not bigger than a pin point to those with elaborate shells, who crawled around on their bellies on the bottom of the ancient seas.

Mounted on the walls are the skeletons of plesiosaur, an ancient sea reptile, who lived at the time of the dinosaurs; ichthyosaur, the reptile who looked like a fish, and archeopteryx, the "early bird." In an exhibit case are the real skull bones of a phytosaur which belonged to a degenerate branch of the same group of reptiles from which sprang the crocodiles, dinosaurs and birds. The beasts lived about 200 million years ago; they crawled around on all fours and lived on fish and soft-bodied animals.

Standing in the middle of the museum, like a prehistoric overlord, is the mastodon, "youngest" of all the fossils in the museum. The bones of this beast were found in Boaz, Wis., west of Richland Center, in 1897, and were mounted in 1915 by Dr. M. G. Mehl and Mr. G. M. Schwartz. The skeleton was embedded in the earth, but was exposed by the action of a small stream in gradually wearing away its bank at that point. Some of the bones, which could not be found, have been restored in plaster.

SLUGGISH MAMMAL

Directly behind the mastodon is a plaster cast of the glyptodon, the gigantic armadillo who lived on the plains of Argentina during the glacial period which ended about 25,000 to 50,000 years ago. It was a sluggish, harmless mammal that lived on vegetation.

One of the most interesting exhibits in the museum is the one of fossils found in Wisconsin. Many collectors of Wisconsin fossils visit this exhibit to secure the names of fossils in their collections and to study the ancestors of present day snails, crabs and clams.

A popular exhibit in the museum is the one containing the fossil skull of saber-tooth, the tiger, who stabbed his prehistoric victims with his dagger teeth; the skull of a modern horse along with his ancient ancestor who was only as high as a fox, whose back was arched and who had four toes on each foot with a tiny hoof on each toe.

FOSSILS FOUND IN MICHIGAN

Along with the horse and the tiger can be seen the specimens of fossil fish who lived in the seas at the same time dawn horse and saber-tooth lived in the Bad Lands of the Dakotas. In the fish exhibit can also be seen a model of ostracoderm, who hardly looked like a fish at all but more like a huge beast with an armored coat, a long tail, and two huge flippers on either side of his "face." Fossils of this fish have been found in the Platteville limestone in Michigan; this limestone also covers southern Wisconsin, including Madison.

Across the museum on the other side of the fossils can be seen many beautiful minerals both rare and common. Among them are the precious gemstones, feldspars, from which the

white coating on bathroom fixtures is made; halite, which is common table-salt, and numerous kinds of crystals. In the economic ore section of the museum are the exhibits of minerals and ores which are essential to the economic existence of this country.

There are samples of the strategic minerals like manganese and mercury which the United States must buy from foreign countries, Wisconsin building stones, and minerals of South America, Philippines, and Mexico. Also in this section is a popular cross-section of a lead-zinc deposit which represents a deposit in southwest Wisconsin, in the old days a popular mining area and which may be mined again in the event of a national emergency.

METEORITE COLLECTION

One of the best meteorite collections in the Middle West is owned by the University of Wisconsin Geological museum. The study of meteorites reveals much concerning the nature of the material in the heavenly bodies surrounding the earth. It has been estimated by some authorities that 87,000 meteoritic stones have fallen per square mile on the earth's surface since the beginning of the Tertiary period about 60 million years ago.

The story of the development of Wisconsin's beautiful Devil's Lake region, stretching over a period of nearly 450 million years, is portrayed in four dioramas or model replicas. These dioramas depict the region near Baraboo, Wis., as it appeared during four different stages of the earth's history. The first of the dioramas shows the region during Ordovician time when a wide shallow sea covered most of what is now mid-western and southern United States.

Skipping across a period of some 400 million years, during which this sea receded, the second diorama shows the appearance of Devil's Lake gorge about 40 million years ago. The ancient Wisconsin river flowing into the Baraboo range from the north has cut through the hundreds of feet of soft shale and dolomite layers which once buried the Baraboo hills, and carved a channel about 850 feet deep into the extremely resistant quartzite rock of which the hills are made. It is estimated that the time taken by the river to accomplish this erosion was 200 million years or more.

SERIES OF GLACIERS

During the period from about 15 million years ago to about 20 thousand years ago, a series of huge ice sheets known as glaciers spread over the northern part of the continent. One of these ice sheets which advanced as far as the Baraboo range and then stopped is shown in the third diorama. The massive ice sheet disrupted the previous drainage of the region and the blocked river gorge was filled up with mud and stones to a depth of from 200 to 300 feet. When the glacier finally melted, it left dams of dirt and gravel at the north and east ends of the gorge. It is between these natural dams that the present day Devil's Lake is located.

Among the "working" exhibits in the museum are the mineral fluorescence which demonstrates the fluorescence of minerals (certain minerals react to ultra-violet radiation to pro-

Students 'Putter Around' in Union Workshop



MEMORIAL UNION WORKSHOP DESIGNED FOR 'TINKER-ERS'

So you like to tinker around with a hammer and saw? Well, come ahead. The Wisconsin Union workshop on the third floor of the theater wing is equipped for wood-working, clay modeling, sign painting, metal working, picture framing, painting, and linoleum block carving.

Established in 1930, the Union workshop has served Wisconsin students in almost every field of handicraft known to man, including bead-work and blanket weaving.

Any student of the university may work in the shop without charge and use the equipment maintained there, according to Betty Antonius, acting

duce a glow of visible light) and the petrographic microscope wherein can be seen the colored crystals in rocks; only a thin section of the rock is placed beneath the microscope.

workshop director. Material may be purchased at the workshop office or brought in by the worker.

Locker space is provided in the workshop in which incomplete work may be stored. But the size of the lockers is small and jobs of all sizes stand around the room and on the benches.

Many students earn part of their tuition, or at least their spending money, by working in the shop for other people, usually student organizations or faculty members who bring in articles to be repaired.

Students have made everything from andirons to match a 19th century fireplace to wall-brackets to go with a Venetian design wallpaper. They are paid by the job and in cash. Students also letter a vast number of signs and posters for campus organ-

izations. Last year more than \$3,400 in shop jobs were turned out.

Attached to the workshop is a large darkroom unit, said to be one of the most modern in the country. It is divided into five rooms, a large enlarging room equipped with three enlargers and sinks, a contact printing room, a film loading room, a film developing room, and a general workroom.

Black light baffles separate the five rooms and while one person may work in one room under a white light, another person may enlarge or make contact prints in another room under a yellow safe light. All the while open passageways connect the rooms, making the whole a veritable maze.

The darkrooms are available to Camera club members and other students who pay a small darkroom fee.

Six Clubs Provide Activities for Dorms

Six clubs, ranging from workshop to chorus, will be among the recreational facilities offered residents of the men's dormitories during the coming year.

Activities include, in addition, a rifle club utilizing a 50-foot indoor range located in quarters under Spooner house; a radio club operating an amateur radio station for dorm information and contacts throughout the country, located under Ochsner house; a newly built and equipped gym in the basement of Turner house, equipped with bar bell facilities and regular equipment serves as the headquarters for the Bar Bell club; and the Camera club is aided in its work by a modern dark room, enlarging, finishing, and printing laboratory, located in the Tarrant house basement.

English law gives a man the right to open his wife's letters, but not the courage.—Milwaukee Journal.

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UW Museum Is More Fun Than Circus

Next to going to the circus, it is almost as much fun to visit the state historical museum and to see the hundreds of fascinating things that are displayed in the rows and rows of glass cases.

There are more Indian relics than you can count; there is a perfect reproduction of a New England kitchen; there is an old-fashioned drug store that your grandparents can remember, and there is a whole exhibit of the most interesting miniature boats you can imagine.

In the museum's military history room are relics from many of the early wars in which Wisconsin people have fought. There are relics from the French and Indian wars, Pontiac's, Tecumseh, the second war with Great Britain, Black Hawk, Mexican, the Secession (Civil war), the Spanish-American war, and the first World war. Of special interest are a pair of silver-mounted duelling pistols owned by Charles de Langlade, leader of the Northwest Indians at Braddock's defeat.

OLD HORNS

The collection also includes plain and engraved powder horns from the French and Indian war; the powder horn, bake kettle, and other relics of Daniel Boone; a flag borne by Washington Phalanx of Boston during the War of 1812; a rude chair made by a soldier of the garrison of old Fort Winnebago at Portage; telescope used by George Washington; epaulettes worn by the Shawnee chief, Tecumseh; and the chapeau and uniform coat of Col. Henry Dodge, who led the Wisconsin militia in the Black Hawk war.

Collected exhibits from the Civil war are 12 battle flags of Confederate commands captured by Wisconsin soldiers; a sword and punch bowl presented to Gen. Joseph Bailey of Wisconsin for saving the Union fleet in the Red river expedition in May, 1864; fire dogs from the birthplace of John Brown, the anti-slavery agitator and one of the iron pikes provided by him for arming the Negroes at Harper's Ferry; the saddle used by Gen. Henry Haraden during the capture of Jefferson Davis; and a gold goblet presented to Mr. and Mrs. E. G. Ayer by Wisconsin soldiers for their acts of kindness during the War of Secession.

WISCONSIN PIONEER

On the walls of North hall, a large room extending across the north end of the museum, are hung the oil portraits of men and women prominent in the pioneer period of Wisconsin history. About the sides and in corners of the hall are antique chairs, tables, chests, stands, bronzes, and old-fashioned musical instruments.

Here also is placed the Jastrow collection of over 200 specimens of metal, china, and woodenware illustrating European and Oriental handicrafts. On the walls are several examples of signware (Italian) reproducing specimens of Greek art.

COLONIAL KITCHEN

The chief attraction in East hall is the New England colonial kitchen, designed after the famous Whipple house at Ipswich, Mass. It furnishes an appropriate setting to over 200 articles illustrating farm and home life in "Old Colony days" chiefly from the Stephen Robbins house built in 1720 at Lexington, Mass.

In the same hall, north of the kitchen, is a carriage once the property of Daniel Webster. Other articles of interest are a rude desk used in the first Wisconsin legislative session held in Madison; the desk of an early secretary of Wisconsin Territory; and the old glass-faced bookcase which in 1853 contained the entire library of the State Historical society.

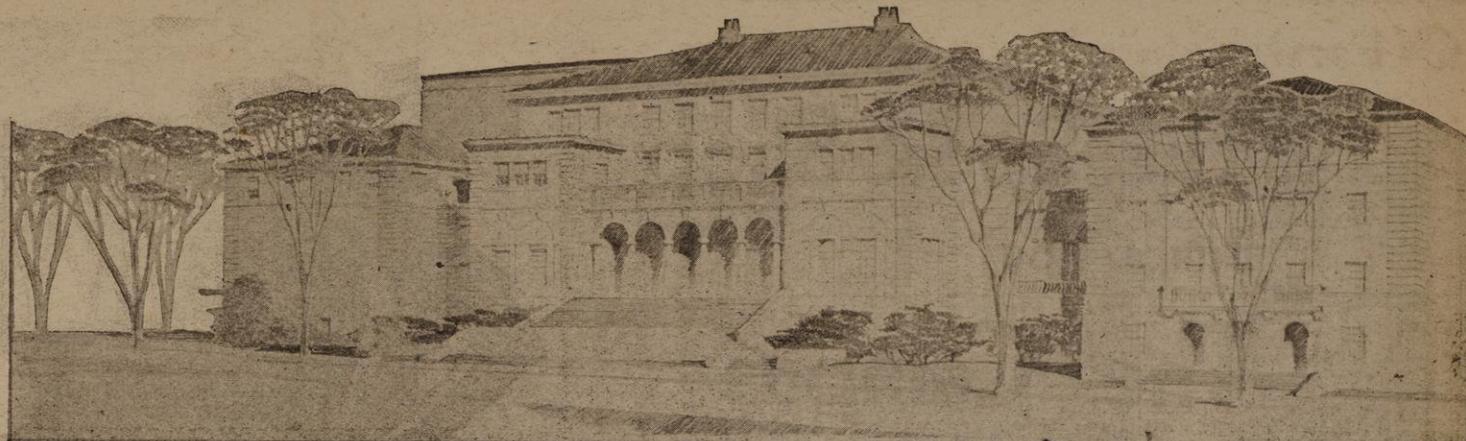
There are many exhibits in East hall which illustrate the period of the French, British, and American fur trade in Wisconsin. The specimens include photographs of prominent fur-traders, documentary materials, weapons, game-traps, articles of dress, kettles, weighing scales, iron implements, brandy kegs, trade jewelry, beads, vermillion, gun flints, and various goods used in the Indian trade. Many of the articles are from the old Grignon-Perlier trading post at Grand Butte des Morts, Winnebago county.

STRANGE ANCHOR

Of special interest is a curious anchor made from the root of a tree and originally weighted with stones. This was found imbedded in the bottom of the Fox river at Green Bay and apparently dates from the days of the French regime previous to 1761.

A collection of art china and porcelain ware are displayed in Adams room of the museum. The exhibit in this room which also includes furniture, paintings, etchings, and laces, was the gift of Mrs. Charles Kendall Adams. Also on exhibit is a series of porcelain plates from the dinner services of presidents of the United States

Wisconsin Union Main Entrance Opens on 'Campus Living Room'



Shown here is the main entrance to the Wisconsin Union, the university's \$2,500,000 social and recreational center which plays an important part in the collegiate lives of all students.

Here are a few of the main facts about the "living room of the campus" which all freshmen will become members of and use next fall:

Two million dollars of the \$2,500,000 cost has been paid off—mainly through alumni and student subscriptions, the largest amount ever raised by a university through popular sub-

scription for a Union building. Nineteen thousand friends of Wisconsin have subscribed to the fund—one out of every three who ever attended Wisconsin.

Wisconsin's Union is the largest of the 150 spread throughout the world, in point of investment and variety of facilities.

It is the fourth largest public building in Wisconsin—exceeded in size only by the Milwaukee county building, the Milwaukee auditorium, and the state capitol itself.

It is the most heavily insured of all state buildings, fire insurance being carried at \$1,600,000.

With the new theater wing the Union now has 275 rooms, almost every one different in use, and it offers 179 different recreational activities and services to the student body.

Twenty to 25 organized events—concerts, plays, dances, dinners, and meetings—take place in the Union every day, week in and week out, attended by 500,000 people in a year. About 7,525 people use the Union

every day—95 per cent of all students in the course of the year.

The Union serves more than a million meals a year, with an average of 29 cents per meal in the cafeteria.

The Union employs 126 full time employees and 285 students—total of 411. The student payroll alone runs \$47,000 a year.

The annual operating budget of the Union is almost \$500,000, all of which is earned, with nothing coming from tax funds.

Band Director



PROF. RAYMOND F. DVORAK, director of the university's bands, plans much of the musical activity of the campus, from football parades to special concerts in high schools and communities throughout the state.

which was a gift to the society by President Theodore Roosevelt.

In the adjoining corridor are placed the battle flags and guidons of Wisconsin regiments in the Civil war, the Spanish-American war, and the first World war. These standards were removed to the museum at the time of the state capitol fire in 1904.

INDIAN HISTORY

Perhaps the most interesting room in the entire museum is the room containing exhibits of Indian history. There are interesting collections of North American aboriginal earthenware, the McCormick collection of cliff-dweller and ancient and modern Pueblo ware, the Kellogg collection of Genesee stone grave pottery, a large collection of vessels from the Indian mounds of the St. Francis valley, and a small number of vessels from other states.

The Hall and Du Frene collections illustrate the archaeology of Dane and adjacent portions of Dodge and Jefferson counties. Other good collections include the artifacts of Indian village sites at Mays Lick (Ky.), Butler county (Kas.), and Mandan City, (N. Dak.) Collections of Indian crania include mound, cliff-dweller, stone grave, Dakota, Winnebago, Mandan, Cree, Zuni, Gros Ventre, Aztec, and Toltec. All of the specimens in the Indian room are accompanied by photographs, prints, drawings, and maps which add to their interest and educational value.

The chief aim of the historical museum, according to Charles E. Brown, director, is "the preservation of objects and collections illustrative of the history of the state and the exhibition and use of these collections in such a manner as to contribute in the greatest possible measure to the advancement of popular education. Every effort is being made that the museum may present a permanent record of the progress of the inhabitants of Wisconsin in the world of thought and industry."

The luminescence of the firefly is the cheapest of all known forms of light, but man does not know how to produce it. It is produced by nature at about one-four-hundredths the cost of the energy expended in a candle flame.

Sixty-seven per cent of University of Cincinnati students come from Cincinnati homes.

Geological Museum Adds Trilobite To Fossil Collection

One of the most important fossils to be received by the University of Wisconsin geological museum recently is the fossil mold of the tail and head of a trilobite, "dikellocephalus," ancient ancestor of the modern crab

which lived in the bottom of the sea around 550 million years ago.

This trilobite is an index fossil of the Upper Cambrian rocks of the western part of the United States, and was probably 12 to 18 inches long. The shell of the animal was broken and the middle part was lost before the shell was buried beneath the mud which later was turned to rock. It belonged to the crustacean family to which the modern crab also belongs.

The fossil was found in the Lodi shale and was sent to the geological museum by the Galesville Republican.

Trout live in swiftly moving streams because of the great amount of oxygen dissolved in such waters.

Scholarships totalling \$128,000 have been awarded 247 students at Vassar college for the current year.

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Above . . . Smart little suit of clan plaid with pleats front and back in skirt, with its jacket smartly longer than usual. Green or brown plaid. Sizes 12 to 20. \$10.95.

You can't afford to conserve your assets now! It is really important, at the beginning of the semester, that you make your very best impression, and that is where the right clothes can help you. Let the Sport Shop in Fashion Circle on second floor be your guide. There you'll find the just-right campus clothes selected by a buyer who caters to the needs of the college girl.



Above, right . . . Every college wardrobe should include a smart **slacks** costume. These corduroy slacks come in blue or brown, sizes 12 to 20, \$4.95. The trim fitting jerkin may be had in gold, red or green, sizes 12 to 20, \$2.95. Wear with this costume a Debwin shirt of white rayon crepe with convertible neckline and French cuffs. Sizes 32 to 40. \$2.95.

Below . . . Perfect with your sweaters, this bias pleated clan plaid skirt in red, blue or brown. Sizes 12 to 20. \$8.95. The Campus Flicker is the college girl's favorite sweater, as pictured, in pine leaf green, fire engine red and pastels. Sizes 34 to 40. \$3.95.

Above . . . What a slick tailored dress this is! A one-piece dress of Botany flannel, buttoned down the side with a pocket on the opposite hip. In wild rose, pottery blue or natural, sizes 12 to 20. \$12.95.

Left . . . Where could you find a more perfect suit than this one for campus and travel wear? It's fashioned of grey men's wear flannel with its skirt pleated front and back and the new longer jacket with a vent in the back. Sizes 12 to 20. \$14.95.



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