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THE BADGER QUARTERLY

University
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Wisconsin
Alumni

Volume 2

January, 1940

Number 2

U. Founders' Day Program Feb. 7

A Great Wisconsin Scientist Will Be Honored:

Lake, Ocean Scientists to Meet at U. W.

Scientific investigators of all kinds and bodies of water, ranging from small streams and big rivers to large inland lakes and oceans, will gather on the University of Wisconsin campus next September to attend the first Hydrobiological Symposium ever to be held, it was announced today by Dr. Chancey Juday, professor of limnology at the State University.

Several hundred American, European, and Canadian limnologists and oceanographers, the scientific investigators of lakes and oceans respectively, will be invited to attend the symposium, which will be held for four days, Sept. 4-7, inclusive. The symposium is sponsored by the University on funds supplied by the Wisconsin Alumni Research Foundation.

The history, geology, physics, chemistry, bacteriology, botany, and zoology of all kinds and bodies of water in all parts of the world will be considered in the series of papers and discussions which make up the program. The new water science, known as "aquiculture" will be considered, and the various problems of sanitary science and lake utilization also will be discussed.

The social and economic aspects of inland lakes and streams, such as those in Wisconsin, will be given considerable attention at the symposium. The conservation of water in lakes and stream, and

To Be Honored



DR. E. A. BIRGE

Alumni Clubs Urged to Start Scholarships

Coincident with the announcement of the Alumni Association that every alumni club will be urged to establish a scholarship fund during the present year was President Howard Greene's appointment of a committee to aid these clubs in the formulation and execution of their plans.

The committee as announced last month by Mr. Greene included Robert B. L. Murphy, '29, Madison, chairman; Dean F. O. Holt, '08, Madison; Waller Carson, '18, Milwaukee; Lynn Williams, '00, Chicago; and Judge Clayton Van Pelt, '18, Fond du Lac.

The committee will contact all

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Over Half of 65,000 Alumni Live in State

Although the University of Wisconsin has become increasingly popular with students from all over the United States and the world, the number of Wisconsin alumni has kept pace with the increase, Harry Thoma, assistant secretary of the Wisconsin Alumni assn., announced after a survey of the group's files.

The proportion of alumni now living in Wisconsin is 55.1 per cent, as compared with the 49.8 per cent residing in the state in 1938. The total number residing in Wisconsin is 34,841.

"The number of alumni in Washington, D. C., has shown a phenomenal increase," Thoma remarked. "The 515 alumni now living in the national capital represent a 64 per cent increase over 1928."

The number of alumni in Nevada increased one, from 15 to 16, the study showed.

A mystery to Thoma is the reason for the drop in the number of alumni in Ohio. The number of Wisconsin alumni in the state has decreased 638 and the state has

dropped to fourth place from second rating in 1928.

Below Wisconsin among the states are Illinois, 7,350; New York, 2,200; California, 1,590; Ohio, 1,440; Michigan, 1,400; Indiana, 1,300; Minnesota, 1,175; Iowa, 1,060, and Missouri, 835, in that order.

Madison, the university's home

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Main Speaker



JOSEPH E. DAVIES

Wisconsin Citizens Give Gifts to U. W.

Recent gifts to the University of Wisconsin include a set of the skins of Wisconsin mammals, two paintings of Madison's lakes, and a \$1,000 trust fund established by the will of the late Zona Gale Breese.

The collection of mammal skins was given to the University by A. W. Schorger, Madison, who had bought it from the estate of W. E. Snyder, Beaver Dam.

"I have seen enough of the collection's character to be able to say that it is a gift we should prize highly," Prof. George Wagner, of the University biology department, told Pres. C. A. Dykstra after having unpacked part of the skins.

"For the first time we will have

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To Celebrate 91st Birthday of University

The University of Wisconsin will again sweep the airwaves in its annual Founders' Day broadcast over the Blue Network of the National Broadcasting Company on Wednesday, February 7, from 8:30 to 9:00 p. m., central standard time. This is the fifth year in which such a Founders' Day broadcast has been sponsored by the Wisconsin Alumni Association.

From the campus will come the greetings of the University president, C. A. Dykstra, a brief message from Howard T. Greene, '15, president of the Alumni Association, and a short address by Judge F. Ryan Duffy, '10, former U. S. senator from Wisconsin and present judge of the U. S. District Court in Milwaukee.

The program will be switched to Washington, D. C., where Joseph E. Davies, '98, special assistant to Secretary of State Cordell Hull and former ambassador to Belgium and Russia, will present the featured address of the evening. Mr. Davies has just returned from his ambassadorial post in Belgium to give greater assistance to the State department in the solution of the grave and difficult affairs brought about by the current European war.

Also on the program from the Memorial Union building in Madison will be the members of the University Concert Band, under the direction of Prof. Raymond F. Dvorak, and the University choral group of the School of Music.

Because the time has just been allotted it is at present impossible to say which of the radio stations

(Continued on Page 6)

Alumni Like New Series on U. History

Seldom before has The WISCONSIN ALUMNUS ever presented a more outstanding and more universally enjoyed feature than the history of the University which is being published in its current editions. Alumni everywhere have written to the Association offices offering their congratulations and praise for the project.

"I offer my congratulations to you on this significant additional service to the University," writes Ralph D. Hetzel, '06, president of Penn State College. "I have no

(Continued on Page 2)

'Living Memorials' at U. W. Honors Parents

Two "Living Memorials" in honor of her mother and father have been established at the University of Wisconsin by the will of the late Mrs. Mary Atwood, Prairie du Sac, Wis.

The two memorials are two scholarship funds of \$10,000 each, the income from which is to be used to make gifts or loans to deserving students at the state university. The gifts were accepted by the University board of regents at its last meeting.

A lifelong resident of Prairie du Sac, Mrs. Atwood was 85 years old at the time of her death last Oct. 11. In 1872 Mrs. Atwood enrolled at the University of Wisconsin, and was graduated with the class of 1876. She taught school at Prairie du Sac for some years. Mrs. Atwood was a mem-



MRS. MARY ATWOOD

(Continued on Page 2)

Research, 'Blue Ribbon' Students Aided by \$25,000 Grant to University

To aid the University's scientific research work and to help outstanding young men and women continue their professional training, a total of \$25,000 has been granted to the University of Wisconsin by the Wisconsin Alumni Research Foundation to provide for approximately 50 fellowships and scholarships in the natural sciences, it was announced today by C. A. Dykstra, president of the University.

The funds were granted to the State University to provide the fellowships and scholarships during the 1940-41 school year. A similar amount was provided for the same purpose by the Foundation for the current 1939-40 school year. Recipients of the awards this year were selected from among applicants from 153 different undergraduate schools throughout the United States.

Among the fields in which the fellowships and scholarships will be granted are the following: agronomy, genetics, animal husbandry, bio-chemistry, chemistry, agricultural bacteriology, soils,

U. W. Grads Cover European War

Three former University of Wisconsin men are covering the European war front. On the western front is Louis P. Lochner, chief of the Associated Press bureau in Berlin; on the eastern front, Lloyd Lehrbas, Associated Press correspondent at Warsaw, and in Paris, Frank Smothers, Chicago Daily News correspondent.

zoology, medical bacteriology, mathematics, physiological chemistry, chemical engineering, botany, home economics, and mining and metallurgy.

All candidates for these fellowships and scholarships must be young men and women of "exceptional talent and originality," and each candidate must be nominated by a professor well acquainted with the candidate's qualifications. Recipients devote their time to both research and course work.

Commenting upon the moneys made available by WARF for graduate fellowships and scholar-

ships, Dean E. B. Fred of the Graduate school said:

"The Graduate school of the University of Wisconsin is unusually fortunate in having available for the aid of advanced students the generous sum made available yearly by the Alumni Research Foundation.

"The Foundation is greatly concerned with the development of a strong research program at the University of Wisconsin and its trustees recognize the importance of attracting to the Graduate school brilliant young men and

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Student Organizations Do Business of Half-Million

Student organizations on the University of Wisconsin campus collectively constitute a "big business" that is comparable to any in the country. Approximately \$500,000 goes through the student financial adviser's office each year.

In the annual report of the auditor of student organizations and student financial adviser for the school year 1938-39, the total volume of "business" for 103 student organizations, special events, and funds amounted to \$485,038.65.

Ray L. Hilsenhoff, student financial adviser, also reported that this year's report showed an increase of 25 organizations over

1937-38. The statements showed that the majority of the organizations are in good financial condition. Social fraternities and sororities whose finances and audits also are handled by Hilsenhoff's office, were not included in this report.

The incomes of 10 organizations which were listed under publication and general because they are on an accrual basis showed incomes amounting to \$184,814.15, an increase of \$2,007.72 over 1937-38. Expenses amounted to \$181,861.51 or an increase over 1937-38 of \$3,934.29. The net profit for

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Honor Birge At Ocean Lake Meet

(Continued from Page 1)

how to use these bodies of water to the best advantage for fish culture and recreation, will be discussed.

Several papers and discussions on Wisconsin lake studies will be given at the symposium, since research work on the state's lakes and streams has been carried on for a number of years under the supervision of the Wisconsin Geological and Natural History survey, directed by Dr. Juday and Dr. E. A. Birge, president emeritus of the University.

This scientific study of the state's lakes and streams is important to Wisconsin since its entire purpose is the conservation of the state's natural resources insofar as its lakes and streams are concerned. Thus the work is of great importance to fishing and to the state's outdoor recreation industry, considered to be Wisconsin's second largest.

A feature of the symposium will be a dinner in honor of Dr. Birge, who in reality could be called "Exhibit A" among the many scientists who will attend the symposium, in that he has spent most of his long life studying Wisconsin lakes and streams. It is planned to hold the dinner as the symposium closes Sept. 7, Dr. Birge's 89th birthday.

Dr. Birge came to the University in 1874, and published his first paper on Wisconsin lakes in 1875. During the past 64 years he has continued this study, devoting his spare time to the work even while he served as president of the University from 1918 to 1925, when he became president emeritus.

Since 1925 he has given all of his time to his lakes studies. He is author or co-author of hundreds of publications and articles in the field, and his work has brought him and the University international recognition in science.

Student Groups Do Big Business

(Continued from Page 1)

these organizations amounted to \$2,952.64.

The 93 other organizations, special events, and funds which have been kept on a cash basis, show total cash receipts of \$59,219.29 and cash disbursements of \$59,143.70. The closing balance for all of these accounts amounted to \$16,523.62 or an increase during the year of \$75.59.

The finances of about 80 per cent of the organizations, events, and funds, whose statements were listed in Hilsenhoff's report are handled through one checking account known as the "Student Organizations Account." Through

Wisconsin is Staging Timber Comeback

Although Wisconsin is far short of a solution for its private forestry problem, the state has reason for some pride in the decisive steps already taken toward a comeback in timber production.

Such is the conclusion reached in a bulletin entitled "The University and Wisconsin Forestry," recently published by the State University under its unique Science Inquiry. The bulletin reviews Wisconsin's forest situation and how it came to be, reveals progress that has been made in attempts to correct the situation, outlines the state's present-day forestry goals and problems and suggests a program for further solution of the state's forestry problem and the University's part in it.

"Substantial progress has been made in the development of a system of fire protection, in the establishment of public forests, in the enactment and administration of laws favorable to private forestry, in rural zoning, and in research on forest problems," the bulletin declares.

Long Way to Go

But even though Wisconsin has made an admirable start in its

Miss Wisconsin Tries Flying Now

Here are the four young women who were among the 55 University of Wisconsin students who this fall began training at the University for civilian pilot licenses. Left to right are Misses Mary Swanton, Madison; Marcia Courtney, Hartford; Marjorie Dewey, Janesville; Amy Risch, St. Louis.



Spirit of the 'Lone Eagle' Reincarnated on Campus

Charles A. Lindbergh, who studied mechanical engineering at the University of Wisconsin nearly two decades ago, received his flying instruction elsewhere in preparation for the greatest solo flight achievement in aviation history.

Ben Eielson, intrepid flier in Alaskan service a decade ago, was a student of aviation's basic principles on the Wisconsin campus. But he too gained his actual flight experience at other centers.

Neither of these nor any Wisconsin students from their college days to the present had enjoyed flight instruction facilities at this University, although the fundamentals of ground school work were available to many.

But in November of 1939 all this was changed. The University then became an official center for civilian flight instruction. Subsidized by the Civilian Aeronautics Authority and administered by the University Extension Division, ground school and flight training opportunities were provided at Madison and Milwaukee, in connection with University centers, with the purpose of training students for the examinations required for the private pilot's or the limited commercial pilot's license.

Ground school instruction in Madison was started at the Mechanical Engineering building under Instructor Lloyd W. Jedeka, of the engineering faculty. Flight instruction followed in December at Madison's new municipal airport under Head Flight Instructor Howard A. Morey and four government-approved assistants. Five planes were placed in this service.

Enrollments at Madison were limited to 50. Of 225 students who applied, 55 were accepted for the ground school instruction, and 50 later were chosen to continue actual flight training. At Milwaukee, two sections of ground school classes were organized: One section of 43 students who are not regularly enrolled day school students and who are not eligible for

flight training, and an additional section of 10 students who were approved for flight instruction.

Every student accepted was obliged to prove scholastic preparedness and to pass stringent tests for physical fitness. Nearly all were upperclassmen.

One piece of advice uttered by Lindbergh back in 1930 was prophetic of what was to come in aviation. Where women have the same opportunities and the same training, he said then, there is no reason why they should not make just as good pilots as men, nor would he hesitate to trust himself to a woman pilot.

Today, if he were to come back for a day, the world famous pilot, who as an undergraduate once rigged up a motor to a sailboat on Lake Mendota (his nearest approximation to student flying in Madison), might observe four young women, among other enrollees, absorbing the fundamentals in such subjects as dead reckoning, twin motors, takeoffs and landings, and cross country flights, and, "by permission," might himself enjoy substituting for Captain Morey on a trial spin with Miss Wisconsin as a pupil.

The University is one of 300 institutions now offering government-subsidized flight courses, with the aim of training 10,000 pilots in a strictly civilian program designed to meet the increasing demand for this training in every state.

Youth Needs Education to Face Future

In times when economic stress is forcing thousands of youth into idleness, when college opportunity seems denied to many, and when contemporary public issues often are discussed and decided on waves of emotionalism, curtailment of the public educational program will be fatal to a sound solution of America's problems. This warning was sounded by Dean F. O. Holt, University of Wisconsin Extension division, recently in a radio address sponsored by the University. "What we need to meet the threatening situation," he declared, "is not less educational opportunity—we need more education."

Wisconsin's successful experience in extending the service of the State University to every home in the state—the Van Hise plan—was described as two programs now widely available: (1) local college-training classes for high school graduates, and (2) a program of liberal education classes—forums—to help citizens become better informed about current problems involved in the success of the democratic way of life.

About 5,000 of the 30,000 boys and girls who annually finish Wisconsin high schools were reported as attending college. Few of the others, according to surveys, found jobs, and industry has

Set Up Living Memorials to Honor Parents

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ber of the Wisconsin Alumni assn., and always took an interest in University affairs. Before her death, she visited the Wisconsin campus and expressed keen interest in student living problems.

The two \$10,000 gifts establish "Living Memorial" scholarship funds in honor of Mrs. Atwood's father, F. A. Oertel, and her mother, Catherine Oertel, and they are to be known as the F. A. Oertel and the Catherine Oertel scholarship funds, respectively.

Income from each of these two \$10,000 scholarship trust funds is to be placed in two other funds, to be known as the F. A. Oertel and Catherine Oertel Loan and Gift funds, from which loans and gifts are to be made to deserving State University students. Preference in making such loans and gifts from the F. A. Oertel fund is to be given to students in the school of commerce from Sauk county, and from the Catherine Oertel fund to home economics students from Sauk county.

Commenting on the gifts, Pres. C. A. Dykstra declared that "the University of Wisconsin owes a debt of gratitude to the memory of Mrs. Atwood, and many other Wisconsin citizens who, like her, have established similar 'Living Memorial' funds at their State University to honor the memories of their dear ones."

"We have appropriately named gifts such as these 'Living Memorials,' not only because they perpetuate forever the memories of those in whose names they have been given, but also because the income from such gifts is constantly, day after day and year after year, working for the good of some deserving student at the University. The University of Wisconsin can never receive too many gifts such as these."

Alumni Like New U. History Series

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hesitation in saying that if the other sections are as well done as the first, the history should have great appeal not only to the alumni, but to the general public as well."

Another alumnus, Gilbert T. Hodges, '95, chairman of the board of the New York Sun, was equally enthusiastic in his praise of the history, writing:

"You may put me down as saying that I think it is the best thing that has been done to feed the Wisconsin spirit of the alumni and to develop a better understanding, not only of the history of our university, but also its problems."

Thomas G. Nee, '99, president of the Acme Wire Company, writes:

"As I read the history, it occurred to me how much more I would have appreciated the University if I had known more about it as a student. I am sure if all freshmen were required to read this history it would help considerably in giving them an idea of the struggles through which the University went since its beginning. I certainly feel that the history is a splendid venture and a great many will receive an inspiration by reading it."

accepted few who have not had some special training. In a 4-year period, it was found, approximately 50,000 high school graduates in the state had little or no employment and had limited means for investing leisure time wisely.

For such youth, Dean Holt pointed to the possibilities residing in local extension classes in college-credit courses, such as now operating in 18 Wisconsin cities, attended by more than 2,000 young people. He promised that similar facilities will be made available, at the least expense to local students, in other cities where enough enrollments are assured.

Glover Picks Five Regent Committees

Members of five regent committees, appointed by Arthur J. Glover, regent president, were approved recently by the University of Wisconsin Board of Regents. The committees and their members are:

Executive committee: John Callahan, Madison, chairman; Leonard J. Kleczka, Milwaukee, and A. J. Glover, Ft. Atkinson.

Finance committee: F. J. Sensenbrenner, Neenah, chairman; Michael J. Cleary, Milwaukee, and A. T. Holmes, LaCrosse.

Educational committee: Herman L. Ekern, Madison, chairman; Mrs. Barbara Vergeront, Viroqua, and Mr. Holmes.

Student life and general welfare: A. Matt Werner, Sheboygan, chairman; Walter J. Hodgkins, Ashland, and Mr. Kleczka.

By-Laws committee: Mr. Holmes, chairman; Mr. Cleary, and Mr. Sensenbrenner.

U. W. Man Studies Norwegian Dialects

Studies of Norwegian dialects in America and the extent of American influence on the language have been made recently by Prof. Einar Haugen, head of the Scandinavian department of the University of Wisconsin. Material for the studies was collected in the Norwegian settlements of Dane county, Wisconsin and from occasional informants now living in Madison.

the use of vouchers and a fund ledger, an accurate, up-to-date record of finances is kept, thus making it possible for continuous auditing.

Alumni Advisory Group Names Bullis Chairman

The advisory council of the Alumni Association, composed of past presidents of the Association, accorded Harry A. Bullis, '15, vice-president of General Mills, Inc., the honor of serving as its chairman during the current year.

The council, altho it has been in existence for some time, never had organized formally. This year, in addition to their meetings with the board of directors of the Association, they will have separate meetings at which time plans for their own projects will be discussed.

Members of the council include Mrs. C. H. Carpenter, '87, Asa G. Briggs, '85, Charles B. Rogers, '93, John S. Lord, '04, Evan A. Evans, '97, George I. Haight, '99, F. H. Clausen, '97, Charles L. Byron, '08, Ernst von Briesen, '00, Earl O. Vits, '14, Myron T. Harshaw, '12, and Howard I. Potter, '16.

U. W. Radio Programs on Wisconsin Stations

The University of Wisconsin has taken to the air to bring information concerning itself to the citizens of the state.

During the past three months, a new series of weekly half-hour radio programs have been broadcast from the campus over WIBA, Madison radio station. At the same time that these programs were broadcast on the local station, they were also electrically recorded by engineers at Radio Hall on the campus, and these recordings are now being sent out to radio stations throughout the state for broadcasting.

The programs feature the University concert band of 80 pieces, under the direction of Prof. Raymond F. Dvorak of the school of music. Each program also contains a brief talk or interview, from five to eight minutes in length, featuring some University official or faculty member, who tells of his phase of University work.

Once each month the program is taken over by the Wisconsin Alumni association, with John Berge, secretary of the association, arranging the program and acting as master of ceremonies. When these programs are broadcast in Wisconsin cities which have local alumni clubs, it is planned that the clubs can hold local meetings and listen in on the broadcast as part of their own programs.

University officials who have appeared on the programs so far include Pres. C. A. Dykstra, A. W. Peterson, comptroller; Deans Lloyd K. Garrison, Law school; F. Ellis Johnson, Engineering; Chris L. Christensen, Agriculture; F. O. Holt, Extension, and Dean of Men Scott H. Goodnight.

The programs are now being broadcast over seven Wisconsin radio stations, with plans now being made for stations in eight

Over Half of U. W. Alumni Live in State

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city, leads all cities as the favorite alumni residence. Its 6,687 compares with 5,116 in Milwaukee, 2,722 in Chicago, 850 in New York City, 622 in Racine, 515 in Washington, D. C., 451 in Green Bay, 443 in Minneapolis, 428 in Oshkosh, and 415 in La Crosse.

Other Wisconsin cities having more than 300 alumni are Sheboygan, Janesville, Fond du Lac, Appleton, Beloit, Wausau, and Kenosha.

In the international field, the North American continent leads. Three hundred and six reside on this continent outside the United States. Of that number 242 are from Canada.

Next in line is Asia with 248. China leads in the Far East with 139 Wisconsin alumni. Japan has 50, and India, 26. Western Europe is the residence of 184 alumni, most of them living in England, Germany, Norway, and France.

South America, Africa, and Australia complete the list in that order.

Law Library—

(Story on Page 4)



Family Gives \$11,237 to Medical School

The University of Wisconsin Medical school will be aided through a gift of \$11,237.42 from the George W. Jenkins family estate. The board of regents at its last meeting accepted the residue of the Jenkins estate which will be placed in the University trust funds account under the title of "Dr. George W. Jenkins Memorial fund."

The will provides that the principal be kept intact, with the income to be used for the maintenance and support of the medical school. At the time of Dr. Jenkins' death in 1913 it was stipulated in the will that the residue of his estate after the death of his wife, Mary M. Jenkins, and his daughter, Kate M. Jenkins, go to the University. Mrs. Jenkins died in 1918 while Kate M. Jenkins died during the past year.

The will also provided for the establishment of a public park at Wisconsin Dells on the site of the old Jenkins home along the Wisconsin river.

Always Something New! Now It's:

U. W. Songs in Alumni Mag

"There's always something new under the sun if you really search for it" seems to be the motto of the editors of THE WISCONSIN ALUMNUS. In years past they have published Founders' Day editions, class and geographical directories, centennial editions, and jubilee editions. Next month they will come forth with an entirely new idea in their annual Founders' Day edition—an 8-page song book as part of the regular volume.

Not since 1920 has there been a compilation of the more popular Wisconsin songs. In that year the Wisconsin Alumni Club of Chicago published an impressive song book of 164 pages. This type of venture is expensive, however, and since alumni confine their singing to a relatively few songs, the Association officials decided that the publication of the most popular Badger ballads would be sufficient.

The songs, both words and music, will be bound in the February

edition of the ALUMNUS so that they may be taken to club meetings whenever needed. Songs to be included are "On Wisconsin," "Varsity," "University Hymn," "Badger Ballad," "We'll Cheer for Old Wisconsin," and "Songs to Thee, Wisconsin."

Because there has always been a demand for single copies of this special Founders' Day edition, the Alumni Association has made arrangements for the printing of additional copies. These may be obtained by sending one dollar to the Association offices, 770 Langdon street, Madison.

200 Works Shown at U. W. Art Exhibit

Two hundred art works, selected from the best out of 600 entries, were exhibited in the Sixth Annual Wisconsin Salon of Art in the Memorial Union at the University of Wisconsin. Awards amounting to \$300 with a special student purchase award, the Joseph E. Davies prize, were made by the jury.

Ten Alumni Named Region Governors

Then prominent alumni have accepted regional governor appointments tendered them by Howard T. Greene, president of the Wisconsin Alumni Association. These governors will be in direct charge of groups of alumni clubs in their area.

Milo B. Hopkins, '23, New York City; Abner A. Heald, '25, Detroit; George B. Sippel, '14, Cincinnati; Lynn Tracy, '01, Chicago; Franklin L. Orth, '28, Milwaukee; Robert M. Connelly, '16, Appleton; Ralph E. Balliet, '23, Platteville; Oscar Hallam, '97, St. Paul; John R. Richards, '96, Los Angeles, and William Burhop, '13, Wausau, are the men who have accepted the assignments.

The regional governors will serve as liaison officers between the University and the Alumni Association and the alumni clubs. Each man will have about seven alumni clubs in his region. It will be his duty to see that these clubs function in the proper order, help them arrange meetings, and if possible, pay them visits and help further the activities of the groups.

At present each of the men is busy making preparations for the annual Founders' Day meetings in conjunction with the nation-wide radio broadcast to be held early in February.

U. W. Journalism School Alumni to Reune in June

Designed to draw interest to the 35th anniversary journalism reunion, the University of Wisconsin School of Journalism has issued a second edition of its alumni directory. The reunion, which is the first in 10 years, will be held in Madison on June 15, 1940.

Since the first graduating class, 1906, there have been 1,184 bachelor of arts degrees conferred, Prof. Grant M. Hyde, director, reported. The alumni directory lists eight Wisconsin Ph.D.'s with a journalism double minor and 78 recipients of the M.A. (journalism) degree.

Experiments Doom Water Hammer

Did you ever jump back from your bathroom faucet with a shudder in the middle of the night as the whole house seemed to shake?

Perhaps you had just finished washing your hands before going to bed after a long after-supper session with the boss, and everyone was asleep. Calls echo through the house as Mother quiets startled Junior, and Dad curses the plumber, while Bud, just asleep, growls his displeasure.

Your difficulty was caused by "water hammer," an ancient bugaboo to waterworks men and plumbers. Although the public was victimized too, it was less able to combat the pounding menace than professional men. For a long time they have known how to prevent the occurrence of water hammer, but the process was costly and the remedies difficult to install, thus making it impractical for use in individual homes.

Prof. Lewis H. Kessler, of the University of Wisconsin department of hydraulic and sanitary engineering, however, has conducted research whose results promise to relieve the suffering at the hands of this vibrating villain.

In conjunction with M. B. Gamet of Northwestern Technological institute, Prof. Kessler has prepared tables making possible the practical use of a mechanical-pneumatic arrester.

A round, accordion-like device, the arrester is filled with a mineral oil compound which when shaken assumes a foamy form which it retains for a long time. When attached to the water pipe the device absorbs the shock of water hammering, thus eliminating the sound.

New Industry May Result from U. W. Experiment

The basis for a new state industry has now been made possible as a result of a successful experiment in the uses of Wisconsin red clay, conducted during the past year by WPA workers in collaboration with the University of Wisconsin art education department.

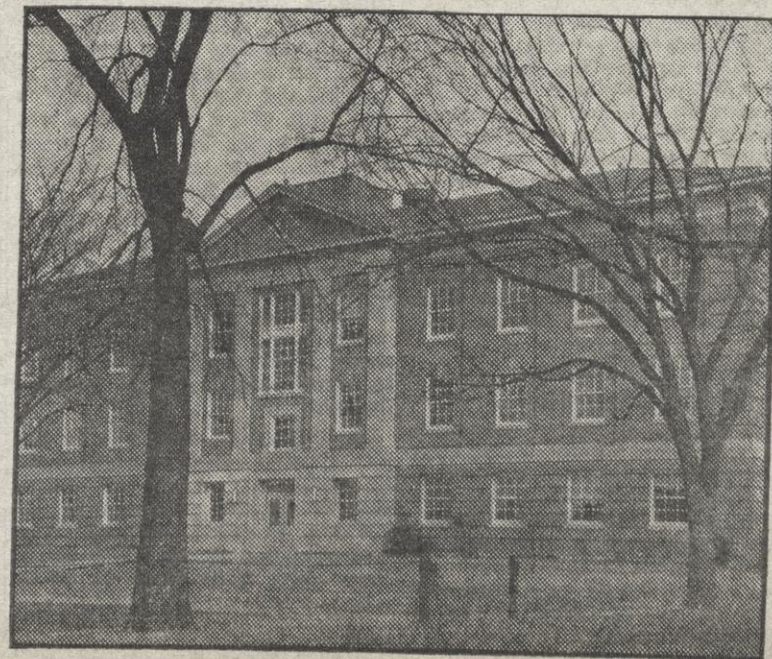
For the first time Wisconsin red clay was found to be good in the manufacture of pottery, Della F. Wilson, of the art education department, reported recently. As a direct outgrowth of the research work, the Waupaca Tile and Brick Co. has started to buy pottery-making equipment and will use Wisconsin clay.

"I see no reason why Wisconsin can't support three or four pottery factories," Miss Wilson said. Although Wisconsin has only one pottery factory, it does not use Wisconsin clay.

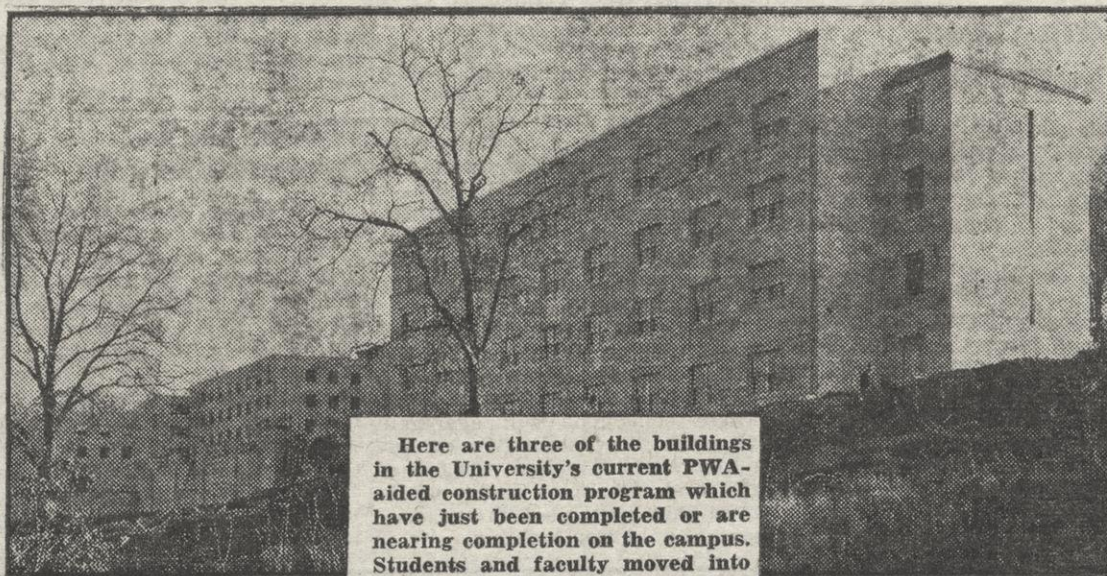
From all sections of the state clay samples voluntarily were sent to the research workers by Wisconsin farmers.

Biochemistry—

(Story on Page 5)



Elizabeth Waters Hall—New Women's Dorm



Here are three of the buildings in the University's current PWA-aided construction program which have just been completed or are nearing completion on the campus. Students and faculty moved into the new Law Library (left) after the Christmas holidays in January. Last of the equipment is being moved into the laboratories and seminar rooms of the Biochemistry building (right). The new women's dormitory, Elizabeth Waters hall (above), is rapidly nearing completion and is expected to be ready for summer session use. It will house nearly 500 women. With the exception of several new boilers in the heating station addition and the small amount of \$5,000 for the chemistry addition, these three and all other construction projects in the building program have been carried forward without the aid of state funds. Each project is paid for partially through Federal Public Works grants, with the remaining funds coming from gifts or from income to be derived from the buildings themselves. Except for minor improvements, the University has had no appropriations from the state for building in more than 10 years.

Alumni Talk Problems at Homecoming

Members of the "Official" family of the Alumni Association gathered in the Play Circle of the Memorial Union on Homecoming morning to discuss Association and club affairs. The meeting was informal and each talk was followed by a general discussion of the subject. Howard T. Greene, '15, Association president, was in charge.

Basil I. Peterson, '12, chairman of the Association's membership committee, spoke on the plans of the current membership drive. He asked that all present enlist in the committee of 100 that has been formed for the duration of the present campaign. Members of this committee have volunteered to get at least one new member for the Association during the year.

Frank Birch, '12, of Milwaukee, spoke about the essentials of a good alumni club. These included purpose, program, leadership, finances and enthusiasm. His talk was followed by one by R. T. Johnstone, president of the Detroit Alumni club. Johnstone spoke about the great possibilities that even a small alumni club possesses, proving his point by an explanation of the program of the Detroit men's group.

Past President Harry A. Bullis, '15, spoke about the need for sustaining memberships and what they meant to the Association in carrying out its current, expanded program of activities. His talk was followed by one by Dean Frank Holt, of the Extension Division, explaining the need for more cash scholarships on the campus and urging alumni clubs everywhere to take part in the current drive to establish a scholarship fund in every club.

Dr. George A. Parkinson, '29, director of the Milwaukee center of the Extension Division, closed the prepared portion of the program with an earnest plea to all alumni, individuals and clubs, to "all sail in the same boat." Echoing the words as expressed by President Dykstra in several of his alumni talks, Parkinson stressed the need for complete cooperation on the part of all alumni in carrying out the Association's program and in keeping the University at its present high level.

Establish Alumni Associates to Serve University

A new organization, the Alumni Associates, bent upon giving the University and the Alumni Association continued and increasing service, has just recently grown up within the Alumni Association. Composed of former officers, board members and committee members, the new organization is accepting charter members up to the time of the Founders' Day broadcast.

The driving force behind the organization of the Associates came from the indefatigable Harry A. Bullis, '15, past president of the Alumni Association and present acting chairman of the new group. Charles B. Rogers, '93, also a past president, is acting secretary of the organization.

Membership fees for the new group have been set at \$1 annually in order to give the group some working capital without dipping into the Alumni Association's treasury. In a survey of the potential membership, it was discovered that there are 83 former directors and officers of the Association who are eligible for membership. It is expected that nearly 100% of the potential members will become charter subscribers before the Founders' Day affair.

Mastodons Roam in U. W. Diorama

A diorama depicting the region near Richland Center at the time when mastodons roamed about is on display at the Geological museum at the University of Wisconsin. Constructed a year ago by Fred Wilhelm, geology department staff artist, the diorama illustrates how the region looked 10,000 or 20,000 years ago.

Students Tote Books to New Library

Law book toters, left to right: Paul Dolata, Lena; John O'Connell, Montello; Marvin Holz, Milwaukee; William Collins, Madison; Richard Effland, Milwaukee; Ken Bellile, Rhinelander; and John Varda, Hurley.



All Help to Move Books to New Law Library

More than 200 University of Wisconsin law school students recently set aside their canes and legal decorum, and headed by their dean, Lloyd K. Garrison, and other faculty members, carried the first load of 40,000 law books from their old, cramped quarters to the new, modern law library addition on the campus.

Of course it was hard work, but it was a practical way to show their pleasure at being rescued from another semester prowling among rickety shelves and peering at books on crowded tables lit by feeble bulbs.

With Dean Garrison and his boys on the portage were 71-year-old Prof. William H. Page, and a number of co-ed "dates" who willingly packed the sober volumes in a race against time and a contractor's expiration date.

The library addition provides space for a reading room holding 150 students, six faculty offices, a senior room, and for all the books which had been stored in basements of other campus buildings and the state capitol, as well as for the books formerly housed in the law school building. The new library, with a capacity for 125,000 volumes, was ready for occupancy when the law students returned to classes this week.

A unique feature of the new addition is a women's lounge. Twelve co-eds are now enrolled in the law school, and the lounge anticipates the enrollment of a larger number in the future.

The north wall of the main reading room will be decorated with a 33 by 14 foot mural by John Steuart Curry, University artist in residence, if Dean Garrison can find sufficient funds to finance the project.

A collection of law etchings, donated by the father of Prof. Charles Bunn of the law school faculty, will be hung on the walls of the seminar room.

The cost of the new library addition will be paid in special law school student fees assessed on a sliding scale for the next 20 years. These collections will aggregate \$100,000. The Public Works Administration supplied \$82,000 of the cost. No state funds whatever have been used in the construction of the building.

Chicago Alumnae Seek Funds for U. Scholarships

Sixty alumnae and friends attended the Swedish tea given by the University of Wisconsin Alumnae club of Chicago on November 19 at the Georgian hotel in Evanston. Elizabeth Johnson Todd, program chairman and vice president, arranged the program for this annual benefit tea, which last year had the form of a Mexican fiesta.

Proceeds of the tea were devoted to the scholarship fund of the club, which annually raises as much money as possible for scholarship purposes. One of the most successful means of making money has been the sale of a pictorial map of the University campus, the only authentic one available. Last year the club raised \$250, of which \$101 came from map sales. Mrs. Bess Tyrrell Burns, 1737 Chase avenue, Chicago, is chairman of sales.

The map originated three years ago with Mrs. Todd, who planned its detail and execution in cooperation with an artist. All production expenses were covered by the first year's sales. Mail-order price for the map, which may be used for wall and tray purposes, is \$1.08.

U. W. Develops Cheap Silage Storage Now

Corn silage to be kept "pickled for years," or until needed during a drought was found to be good after it had been ensiled for one year in a cheaply constructed trench silo.

This experiment in "ever normal granaries" for corn silage was conducted by Profs. Gustav Bohstedt and Stanley A. Witzel of the University of Wisconsin College of Agriculture. After 12 months of storage the trench silo was opened recently and the uncovered corn silage was found to be good and to have a typical, pleasant silage odor.

A year ago Bohstedt and Witzel arranged to have a trench dug on the farm of the university, and filled it with 90 tons of silage. The trench, which had been dug on a knoll, was eight feet deep, eight feet wide at the bottom, 12 feet wide at the top, and about 50 feet long. When the trench was filled with the 90 tons of green corn, the silage was covered with straw and two feet of soil.

Starting at one end, the experimental trench silo each year will be opened and the silage will be examined and analyzed. Several tons at such times will be fed to cattle, thus testing the practicability of this sort of feed insurance in anticipation of a possible drought.

It is believed that this is the first time that such an experiment of storing corn for years underground has ever been tried in this country, Bohstedt declared. The cost of such a trench silo is small. The only investment is labor which a farmer can supply himself.

Alumni Hear Presidents at Homecoming

"The educational opportunities offered at the University of Wisconsin are unsurpassed in the mid-west," stated President C. A. Dykstra in a talk before 125 Wisconsin alumni at a dinner in the Memorial Union on Homecoming eve.

The alumni also heard A. J. Glover, president of the board of regents, ask that the regents appear with the president before the legislature in requests for University appropriations.

Dean Frank O. Holt, '08, of the Extension division, made a fervent plea to alumni for contributions to scholarship funds to help the 60 per cent of all University students who work their way through school. Coach Harry A. Stuhldreher appeared briefly following the Homecoming mass-meeting and thanked the attending alumni for their unswerving loyalty to the team. He termed his work at the University "one of the grandest privileges" he has ever enjoyed.

Myron T. Harshaw, '12, past president of the Association, reviewed Association developments during the past three years and spoke highly of the program for the present year. He urged more widespread participation of all alumni in the Association's program and membership. Paul Jones, '27, led a group of University men in a group of songs for the musical section of the program.

Howard T. Greene, '15, president of the Association, spoke briefly on the Association's program. He suggested coordination of all University placement and personnel work, explaining that placement success can be a measure of the institution's efficiency.

President Glover, in his address, told the alumni that he was not worried over the University's financial problems, but he explained that this was due to his certainty that the people of the state were aware of its needs and would protect it.

Speaking informally for more than 30 minutes, Pres. Dykstra stressed the value of the educational courses offered by the University. He pointed out that the "University is certainly not extravagant. It is operating today on about the same budget as 16 years ago, but there are 50 per cent more students. The University may not be crippled, but somehow or other it is just managing to get along."

"I think we have on this campus one of the most varied institutions in the United States," the president said. "There is no other institution in the country so closely connected with the state as ours."

Citing the two legislative debates about the University and the fact that neither produced criticism but merely discussed means, Pres. Dykstra asserted that "Wisconsin is contributing its share to the state and nation in ability, integrity, and leadership—all the things a University stands for."

Letter Inspires Cheap Irrigation Invention at U. W.

Low-cost irrigation is available to Wisconsin farmers with small tracts of less than 10 acres today largely because a letter from a Marinette county agent aroused interest of agricultural engineers at the University of Wisconsin agricultural experiment station in Madison.

It was in 1937 that Floyd W. Duffee, professor of agricultural engineering, received a letter from C. B. Drewry, Marinette county agent. A farmer there had been quoted \$475 to install irrigation equipment for two acres. Drewry wrote.

Deploring the exorbitant cost of irrigation for small farms, Prof. Duffee and H. D. Bruhn, an associate, conceived the idea of the junior portable, rotary sprinkler, a modification of a larger system developed in California. Today the Marinette county farmer can irrigate his two acres at an initial investment of about \$150 an acre, and four acres or more the cost is about \$50 and 75 per acre.

Manufactured now by national firms along lines suggested by the two University professors, the junior portable, rotary sprinkling system is proving popular with Wisconsin potato growers and truck gardeners.

The small-scale system is based on the theory that "a little piece of equipment used many hours is more economical than a large system used a few hours," Prof. Duffee says.

Women Phy Ed Grads All Get Jobs

Forty-three placements were made this year by the University of Wisconsin department of physical education for women, Miss Blanche M. Trilling, director, announced. These placements take care of almost 100 per cent of the 1939 graduation class. Twelve of the positions are in colleges, five have been placed in clinics for orthopedic schools, five in Y. W. C. A.'s, nine in high schools, and 12 in public school systems involving elementary and high school work.

BE A FULL TIME BADGER

Fill in and Mail Today

.....1940

Wisconsin Alumni Association,
770 Langdon Street, Madison.

Enroll me as a member of the Wisconsin Alumni Association and bill me for this year's dues.

Name Class

Address

City State

Membership is open to anyone who has attended the University one semester or more.

Your University needs your loyal support as a full-time Badger.

This support is best effected through membership in the Wisconsin Alumni Association. Your influence is then combined with thousands of fellow Badgers—all interested in maintaining Wisconsin's leadership among American universities.

Scattered alumni working alone can do but little; thousands working together can do much for their Alma Mater. Be a full-time Badger.

NYA Aids 4,800 at U. in Five Years

During the five-year period from 1934 to 1938 approximately 4,800 deserving students at the University of Wisconsin were granted NYA work to enable them to carry on their studies at the State University, according to a report covering that period made by Mrs. V. W. Meloche, manager of the student Employment Bureau.

With the start of the program by the federal government in 1934, 744 students were aided by the jobs. The average number on the payroll advanced through 1935 and hit a peak of over 1,100 during the two years between 1935 and 1937. The figure dropped again last year to 816.

Starting with a total grant of \$46,671 in February, 1934, the funds received by the University correspond to the number on the payroll, with a peak of \$170,000 for the 1935-37 period and a drop back to \$102,860. Since 1935 sufficient funds have been added to the general fund to take care of needy graduate students as well as for the undergraduate needs.

Of 4,000 possible projects submitted by a total of 667 departments at the University during the five-year period, it was possible to accommodate 2,600 projects under 1,825 supervisors. These projects covered wide fields throughout the entire campus. While much of the work is clerical and routine, a great deal of it has dealt with important research. Statistical studies have been made for a tuberculosis survey. Blind students have been supplied with readers. Work has been done with x-ray machines and cameras for important contributions to the field of applied science. Diseases of trees, reasons for the blackening of potatoes when boiled, crop breeding, and a study of the distribution of milk under public utility control are but a few from the list of activities of the NYA work during the last year.

Aids Research

With an Erector set, an orange crate, a few pieces of string, pins and an engineer roommate for equipment, a pre-medical student at the University of Wisconsin has produced the first Pulse-O-Fluxo-Graph known, an instrument designed to aid psychological experimentation.

Issue Report on Public Service Apprentices

The first year's operation of Wisconsin's program for in-service apprenticeship training in the public service is made the subject of an evaluation report, published and now made available by the University of Wisconsin extension division.

The report records the history, progress, and further aims of this widely acclaimed project in administration, and lists benefits which, in the opinion of its authors, have accrued from the first year's experimental trial. Not the least of these results, it was noted, has been the close collaboration effected between the state government and higher educational institutions in the state, to their common benefit.

The report was prepared by Horace S. Fries, lecturer in philosophy and secretary of the University Public Service Scholarship committee, and Ernest Engelbert, graduate student in political science. This survey report now is included in the series of study aids issued, at a cost price, by the University Extension department of debating and public discussion at Madison.

In a foreword, Pres. C. A. Dykstra characterized the report not only as a description of an interesting project but as an important contribution to the solution of some of the problems in democracy.

Creative Art, Science Join Hands in Murals: To Tell Story of U. W. Research

Creative art and science soon will join hands on the walls of the new biochemistry research laboratory at the University of Wisconsin to tell the story of the State University's achievements in the field of animal and human nutrition, it was revealed this week with the announcement of the acceptance of a gift by the board of regents providing for the painting of murals in the new building.

The gift was given to the University by the trustees of the Brittingham trust fund, Thomas E. Brittingham, Jr., and Margaret Brittingham Reid, in the form of murals to be painted by John Steuart Curry, artist-in-residence at the University of Wisconsin.

The murals will be placed on the walls in the entrance hall and in the seminar room of the Biochemistry Research Laboratory addition of the agricultural chemistry building on the Wisconsin campus.

Trustees of the Brittingham fund decided to underwrite the cost of the murals as a fitting tribute to the State University's creative work in the arts and sciences, and the University's board of regents accepted the offer.



ARTIST CURRY

Income from the Brittingham fund was bequeathed to the University in the will of the late Thomas E. Brittingham, Madison.

Artist Curry will have no dearth of material when he comes to the sketching and painting of the murals, Dean Chris Christensen, of the College of Agriculture, revealed, for University of Wisconsin

biochemists have many important achievements in the science of animal and human nutrition to their credit during the past generation.

"As far back as 30 years ago, the late Stephen Moulton Babcock, famous for his butterfat test, questioned the common idea that animals need nothing more than a balanced ration of protein, carbohydrates, and fat," the dean said. "In a famous early experiment, Wisconsin nutritionists showed that animals could not live and reproduce normally on only one kind of grain, even though it furnished a ration that was fairly well 'balanced.'"

"The explanation of this puzzling fact came with the discovery of vitamins, or 'diet accessories,' as they first were called," he said. "The original vitamins, A and B, were discovered during the first years of the World War. Wisconsin scientists here played prominent roles in pioneer work in these two vitamins."

Among the Wisconsin scientists who have made significant scientific contributions in this field are Harry Steenbock, E. B. Hart, J. G. Halpin, and C. A. Elvehjem.

Christensen Discusses U. W. Aids to Dairying

In a recent radio broadcast from the University of Wisconsin campus, John Berge, executive secretary of the Alumni association, interviewed Dean Chris L. Christensen of the College of Agriculture on Wisconsin's 200 million dollar milk industry.

Speaking on the many experiments that have made milk a better food, Dean Christensen explained how the College of Agriculture's experimental station has pioneered with trials on grass and legume silage.

"We have learned that the feed cows eat greatly influences the vitamin content of their milk," he said. "This is especially true of vitamin A and its parent substance, carotene, and also of a growth-promoting vitamin called the grass juice factor. This grass juice factor is so called because it is abundant in fresh green grass. It is low in ordinary dry winter dairy feeds."

In pointing out how all of the people in the state share in the benefits of the experimental work, Dean Christensen cited an example in which many Wisconsin dairymen are already making a good share of their alfalfa into silage rather than hay.

"Farmers using this new silage are producing milk that has 50 per cent more vitamin A than ordinary winter milk. Furthermore, the milk has a richer yellow color and contains more of the growth-promoting grass juice vitamin."

Recent experiments conducted by the research workers of the College of Agriculture have shown that filled milk is not as good as whole milk. Although vitamins can be added to filled milk, the whole milk has butterfat which is superior in vitamin content and which also has other qualities which make it stand alone as the most healthful food fat.

"Filled milk is milk that has had the cream skimmed off and replaced with coconut oil or some other substitute for butterfat. Years ago the sale of filled milk

was prohibited, because science showed it did not have the vitamins that whole milk contains. Since then certain interests have challenged this legislation on the ground that it is now possible to add vitamins to filled milk, and hence supposedly make it just as good as whole milk."

"It is true that the vitamins can be added," said Dean Christensen, "but the filled milk emphatically is not as good as whole milk—that our research has shown. Butterfat has qualities quite aside from its vitamin content which make it stand alone as the most healthful food fat."

Dean Christensen described how cures for human pellagra and certain forms of anemia were brought about by experimental work on farm animals.

U. W. Conducts Tank Truck Fuel Flow Study

A \$2,000 fellowship for a research program to study the causes for variations in the rate of flow of gasoline and fuel oil from truck tank discharge systems of the same capacity has been started at the University of Wisconsin engineering experiment station under direction of Dean F. Ellis Johnson.

Prof. Lewis H. Kessler of the hydraulic and sanitary engineering department is in charge of the research program. Two research assistants and three seniors have been selected to carry out the study of pipes, valves, meters, fittings,

Ask Alumni for Scholarships

(Continued from Page 1)

alumni clubs during the year, urging their officers to set up machinery for the establishment of a scholarship fund. The committee will then suggest ways and means whereby the club can best accomplish its purposes and help them in every way to carry their campaign to a successful conclusion.

To the West Bend, Wis., alumni club goes the credit for launching the Association's scholarship program in fine fashion. This recently organized club, in a city with less than 200 alumni, last month announced a \$1,600 scholarship fund. The fund will be disbursed to deserving high school graduates of West Bend during the next five years. Other clubs have signified their intention of following the lead set by West Bend. The Marshfield, Wis., Chicago alumni and alumnae, New York, Milwaukee, and Detroit clubs have had scholarship funds for some years.

and truck tank apparatus. The donors of the fellowship fund are manufacturers of petroleum equipment for faster unloading of truck tanks. Some of them are members of the flow test committee of the National Truck Tank Assn.

"The research project has a threefold significance," explained Prof. Kessler. "In the first place it ultimately will decrease the cost of gasoline to the consumer. Secondly, it may increase the safety of design and construction. And thirdly, it has a military significance."

November Alumni Mag Gets Praise

"The November issue of THE WISCONSIN ALUMNUS is one of the finest in a long series of excellent publications," according to a letter received in the Alumni Association offices from John Fullen, secretary of the Ohio State Alumni Association.

Wisconsin alumni, too, were high in their praise for the initial 1939-40 edition of the quarterly publication. Highlight of the issue was the opening chapter of the history of the University which is being prepared by the Alumni Association with the cooperation of eleven authors.

The first chapter of the history was prepared by Dr. Joseph Schaffer, '94, superintendent of the Wisconsin Historical Society. It dealt with the life of John H. Lathrop, the first president of the University, and the early developments in the creation of the University and the eight years during which Lathrop served as "chancellor."

The second installment in the history, which will run serially in the ALUMNUS, will be prepared by Dr. Louise Phelps Kellogg, '97, and will appear in the February edition. It will be a biography of President Henry Barnard and a history of the years he served as chancellor.

Other features of the November edition were an interesting account of the activities of Virginia Porter and Mrs. Rhea Hunt Ullestad, another in the series of Football Letters by Harry Stuhldreher, pictorial spreads on the new Union theater, Citizenship Day at Manitowoc, and the annual song festival, a message from President Dykstra, an article by John S. Lord on the work of the Alumni Association's placement committee; and the usual interesting features about University and alumni activities.

Most State Lawyers from U. W.

Two-thirds of the lawyers in the state are graduates of the University of Wisconsin, Dean Lloyd K. Garrison of the State University Law school recently declared in a radio interview.

"Out of some 3,000 lawyers in the state," said Dean Garrison, "approximately 2,000, or nearly two-thirds, are graduates of the University of Wisconsin Law school. They practice in 188 different communities in the state."

It is estimated that about 600 graduates are located in 43 other states of the Union. About 90 per cent of the students in the Law school come from 126 different Wisconsin communities in 60 different counties.

"In training Wisconsin lawyers the school is doing far more than training men in professional skills for the purpose of making money," declared Dean Garrison. "It is training men, many of whom will have a vital influence in the shaping of laws and in the administration of justice, the first concern of every government."

Dean Garrison pointed out that a considerable portion of Wisconsin graduates now occupy or have at one time or another occupied public office, serving as judges, legislators, district attorneys, and in various branches of the civil service.

In the field of legal research, Dean Garrison showed how, throughout the history of the Law school, the members of the faculty have taken an active part in research work, publication, and bar association committee assignments.

The University of Wisconsin Law school is the third largest full time day school in the country west of the Atlantic seaboard. It has been in existence for 70 years.

Be A Full-Time Badger



HARRY A. STUHLREHER
Football Coach

"Yes, last season was pretty hectic—and disappointing, too, from the victory standpoint—but there is one memory of the 1939 season that I shall always cherish—the indefatigable spirit and loyalty the boys on the team showed week after week. You alumni, too, were mighty fine in your splendid and continued support. It means a lot to those of us who coach to know that our backers are loyal down to the last ditch. And it would mean a lot to the officers of the Alumni Association if all of you would show them that you're for them 100 per cent in their campaign to boost Wisconsin. You can do it easily by becoming a member of their Association."

"Why don't you do this today?"

Our Readers Help Find 30 Lost Alumni: But We Still Need More Help!

The October issue of The Quarterly contained a list of 100 alumni for whom the Alumni Records Office had no good address. In response to our appeal for help in correcting that list, more than 30 replies were received and in each case definite information was obtained regarding some alumnus recorded as lost.

We are publishing another list of "lost" alumni in the hope that some of our readers will be good enough to send us whatever information they may have regarding their whereabouts. Send all information to Harry C. Thoma, 770 Langdon Street.

LIST OF LOST ALUMNI

Bauman, George A. (B.A. '22)—Chicago, Ill., 309 W. Jackson Blvd.
Betonti, Teresa C. (B.S. (Ed) '34)—412 First St., Wausau, Wis.
Bollinger, Edna R. (Ex'34)—South Whitley, Ind.
Brody, Sidney F. (Ex'37)—412 42nd St., Des Moines, Ia.
Cooksey, Noble J. (Ex'31)—Childress, Tex.
Cooper, Wilbur P. (Ex'35)—1638 Emerson, Beloit, Wis.
Cox, Mildred T. (Ex'28)—120 Ruskin Ave., Pittsburgh, Pa.
Grane, Warren B. (Ex'34)—Kalamazoo, Mich., 1429 Hillcrest Ave.
Curtis, Alexander R. (B.A. (CC)'29)—4805 Westway Drive, Crestview, Md.
Davis, Aubrey J. (Ex'31)—Martintown, Wis.
Dutiel, Edward M. (Ex'32)—2225 N. 63rd St., Wauwatosa, Wis.
Ebbott, Gilbert P. (B.S.A.'31)—Fennimore, Wis.
Edmonds, Mrs. Robert K. (Ex'26)—2003 W. 6 Mile Rd., Detroit, Mich.
Estreen, Abraham R. (Ex'33)—417 Jones Ave., Oconto, Wis.
Fridlund, LeRoy C. (Ex'23)—1001 N. Central Ave., Chicago, Ill.
Hall, Edna L. (B.S. (Hyg.) '34)—Elton, Wis.
Johnson, Elvera E. (B.A. '38)—905 Madison Ave., South Milwaukee, Wis.
Johnston, Albert M. (Ex'33)—1606 Neil Ave., Columbus, Ohio.
Jolivet, Eva L. (B.A. '14)—RFD No. 3, Box 92, La Crosse, Wis.
Kamras, Leon G. (Ex'37)—1163 Wheeler Ave., New York, N. Y.
Kearney, Edgar (B.S. '06)—Midvale Steel Co., Philadelphia, Pa.
Kelly, Paul E. (B.A. '11)—701 S. Bluff Blvd., Clinton, Ia.
Klorfein (B.S. '25)—239 Central ark, W. New York, N. Y.
Knapp, Frankie E. (Ex'25)—808 E. Main St., Bellevue, Ohio.
Kotas, Mrs. Celestine J. (Ex'29)—Marshfield, Wis.
LaDuke, Gerald F. (Ex'30)—Wheeler, Wis.
Lane, Helen M. (M.A. '29)—219 Elms St., New Rochelle, N. Y.
Lefebvre, Bernard G. (Ex'33)—Green Bay, Wis.
Levasseur, Jeanne M. (Ex'37)—1410 Terrace Drive, Tulsa, Okla.
LeVee, George W. (LL.B. '14)—Marathon City, Wis.
Long, Hollis M. (M.S. '27)—Box 181, Cornellius, N. C.
Luttrell, Cassius D. (B.S.A. '25)—Font-hill, Ky.
Lyman, Richard V. (Ex'37)—423 Third Ave., Eau Claire, Wis.
Markin, Florence L. (M.S. '26)—Opheim, Mont.
Martin, Adolph G. (B.S. '36)—500 Nevada St., Boscobel, Wis.
Maslow, Harold (B.A. '37)—816 University Ave., Madison, Wis.
Mason, Dorothea E. (M.A. '13)—Somerset, Wis.
Martin, Wendell R. (B.A. '36)—Madison, Wis.
Mason, Lawrence (Ex'34)—256 Tappan St., Brookline, Mass.
Mathieu, Marion (SS '24)—Eau Claire, Wis.
Matsumoto, Shigeji (Ex'33)—Rear 1629 Liliha St., Honolulu, T. H.
Maurer, Merrill B. (Ex'21)—Fennimore, Wis.
Mayers, Albert N. (B.A. '33)—614 Webster Ave., New Rochelle, N. Y.
Mazor, Bert W. (B.A. '34)—2936 N. 48th St., Milwaukee, Wis.
McCloskey, Roy J. (Ex'25)—504 S. Main St., Prairie du Chien, Wis.
McCoy, Glenn W. (Ex'34)—1318 Roscoe St., Chicago, Ill.
McDonald, Mr. & Mrs. Thomas R. (Ex'24)—(B.A. '23)—700 W. 6th St., Marshfield, Wis.
McGregor, Thomas A. (B.A. '30)—313 Hodge Hall, Theological Seminary, Princeton, N. J.
McKeen, Harry L. (Ex'21)—1114 Madison St., Eau Claire, Wis.
Meacham, Frances E. (Ex'33)—Downing, Wis.
Mennicke, Arnold L. (Ex'34)—Doylestown, Wis.
Miller, Mrs. John TenBoack (B.A. '30)—286 N. Fulton Ave., Mt. Vernon, N. Y.
Miller, Marcus T. (Ex'27)—Platte, S. Dak.
Milsbaugh, John W. (B.S. '14)—2428 E. Webster Pl., Milwaukee, Wis.
Miner, Harold E. (B.A. '32)—346 W. Washington Ave., Madison, Wis.
Mohr, Anna L. (SS '24)—529 Seminary St., Rockport, Ind.
Monson, Laurie A. (Ex'34)—1108 Platte Ave., York, Nebr.
Monteith, Darrel M. (Ex'15)—Fennimore, Wis.
Morehouse, Susan L. (Ex'37)—Springville, Ia.
Mortonson, Donald W. (B.A. '32)—1111 S. Denver St., Tulsa, Okla.
Mountain, Mary V. (Ex'23)—Hartford, Wis.
Mueller, Herbert W. (B.S. '35)—Oxford, Ohio.
Mulholland, Lionel G. (Ex'17)—102 Boston Fruit & Produce Exch., Boston Mass.
Murley, Leone (Ph.B. '24)—Boscobel, Wis.
Munroe, Leonard J. (Ex'18)—Mount Hope, Wis.
Murphy, Margaret (SS '27)—823 Locust St., Carterville, Ill.
Nadig, Mrs. C. M. (Ex'27)—90 Fairview Ave., Belmont, Mass.
Nason, Maurice T. (Ex'36)—Osceola, Wis.
Neils, Mrs. M. H. (M.A. '27)—1839 N. 48th St., Milwaukee, Wis.

Nelson, Rolland D. (B.S. '35)—1304 W. Wisconsin Ave., Milwaukee, Wis.
Netherland, Mary G. (Ex'25)—Perry, Mo.
Newton, Robert R. (Ex'15)—Lenox, Mass.
Nye, Mrs. R. S. (Ex'22)—RFD No. 1, Mount Horeb, Wis.
Nygaard, Kaare, (Ex'31)—in care Lutheran Hospital, La Crosse, Wis.
Obrecht, Arthur M. (Ex'24)—General Delivery, Milwaukee, Wis.
Oliver, Evelyn (Ex'26)—630 N. Sheridan Rd., Highland Park, Ill.
Orten, Frank S. (Ex'07)—Bloomington, Wis.
Oscar, Sanford (Tx '35)—1215 17th St., N. W., Canton, Ohio.
Ostrander, Mary E. (Ex'17)—Columbus, Wis.
Ott, Harvey L. (Ex'14)—4033 N. Cass St., Apt. 16, Milwaukee, Wis.
Paine, Archie M. (Ex'31)—529 N. 13th St., Milwaukee, Wis.
Palmer, Annet S. (Ex'35)—4504 Chestnut Rd., Philadelphia, Pa.
Pate, Henry O. (Ex'15)—Jackson, Miss.
Pfisterer, William H. (B.S. '36)—Markesan, Wis.
Phillips, Mrs. David P. (Ex'18)—Jackson, Mich.
Polacheck, Charles S. (Ex'25)—4317 N. Oakland Ave., Milwaukee, Wis.
Post, Herbert L. (Ex'08)—3039 Macomb St., N. W., Washington, D. C.
Powell, Hector M. (Ex'23)—323 1/2 N. 52nd Ave., Los Angeles, Calif.
Wienke, Arthur R. (B.S. '25)—743 N. 4th St., Milwaukee, Wis.
Additional information needed on the deaths of these alumni before permanent deceased cards can be made up:
Alves, Robert Gayle (Ex'00)—802 S. Adam St., Henderson, Ky.
Barlow, Edward Georget (Ex'71)—Darlington, Wis.
Bertrand Philip A. (B.S. '95)—in care Biebe, Rutherford Co., Cor. 3rd & H. St., Aberdeen, Wash.
Fisher, Wado (B.L. '30)—120 W. 3rd St., Alton, Ill. (Physician).
Gates, Ryerson D. (Ex'17)—Fontana, Wis.
Nelson, Frankie (Ex'22)—Box 5, Canton, Ill.
Porter, Annie Augusta (B.S. '77)—Deerpark, Wayzata, Minn.

Over 300 Enroll in Short Course

More than 300 Wisconsin farm boys from 65 Wisconsin counties enrolled for the farm short course which opened at the University of Wisconsin recently. Included in the enrollment were students from Illinois, Iowa, New York, and Ohio. During the 15 weeks of their course, they will study important and timely problems connected with farming while living together in dormitories on the campus of the University.

Among the subjects they will study will be those on livestock feeding and management, soils, farm chemistry, veterinary science, cooperative marketing, farm management, the rural community DHA work, and others closely associated with farming and rural life.

U. W. Grad Heads General Electric

When a prominent New York firm of patent attorneys in 1920 asked the University of Wisconsin to recommend a young man with engineering training, Philip D. Reed, Milwaukee, was suggested as the best the University had to offer in 20 years.

Recently, Philip D. Reed, 40, was named the new board chairman of the General Electric co. and on Jan. 1 became head of the company's vast enterprises.

While at the University of Wisconsin, he was enrolled in electrical engineering, was the "leading lady" in the Haresfoot play as "Miss Quita," and was a member of the track team and freshman football squad. He joined General Electric in 1926 and now in 1940, 14 years later, is made boss of 60,000 men.

U. W. Extension Sets Enrollment Record in '39

With total registrations of 27,339 in courses taken by 19,620 students, the Extension division of the University of Wisconsin offered instruction in 1938-39 to the largest number of off-campus registrants for any year in the 33-year history of this extra mural activity.

The teaching load, according to annual figures compiled by Mrs. A. H. Smith, extension recorder, involved 10,117 registrations for 9,024 students of correspondence courses, 6,963 registrations of 4,662 students in state classes, and 10,258 for 5,934 students in Milwaukee classes.

Computed on a credit-hour basis, instruction given through extension courses was equivalent to an enrollment of 1,750 fulltime students.

HONOR U. W. MAN

Cecil Burleigh, noted American composer and professor of music at the University of Wisconsin, was recently granted the honorary degree of doctor of music by the American Conservatory of Music in Chicago.

On Founders' Day Program



F. RYAN DUFFY



HOWARD GREENE



PRES. C. A. DYKSTRA

Help Celebrate University's 91st Birthday

(Continued from Page 1)

on the Blue network will carry the program. It is known, however, that WENR in Chicago will be the principal midwestern outlet. Other station participation will be arranged by the Alumni Association and alumni clubs over the country. The Blue network has a potential of nearly 100 stations.

The occasion of the broadcast will furnish the impetus for scores of alumni meetings from coast to coast. The Madison Alumni club will sponsor a dinner preceding the broadcast and it is expected that many other groups will arrange for dinner meetings, using

Attention, Grads Of Fairer Sex!

If you didn't get a Blue Dragon Ring when you were a senior, it will interest you to know that the 1940 sale has opened. Any woman graduate of Wisconsin is privileged to wear this ring, and probably many of you have wondered since your graduation just how you could get one.

Well, this is how—a sample ring is on display in the W.S.G.A. office of the Union, just in case you have never seen one or can't remember it well. The ring is 10 karat gold and has a handsome lapis lazuli stone. The price is \$9.00 which may be sent all at once, or may be paid by depositing one dollar (\$1.00) with your order and paying the balance when your order comes C.O.D. Please send your ring size and also state what initials you would like engraved on your ring.

If you already have a Blue Dragon Ring for yourself, wouldn't one make a grand gift for some 1940 graduate you know? Any questions or orders can be sent to Betty Gay at the W.S.G.A. office in the Union.

Extension Fills Requirements of Most Students

Some wanted to study fingerprinting, tree surgery, camp directing, or Esperanto — courses not given through Extension.

Most applicants last year for University of Wisconsin extension courses, however, found their educational wants satisfied through courses, in the established fields of instruction common to colleges and universities — English, mathematics, mechanical engineering, business, history, economics, civil engineering, and other branches of correspondence instruction, as disclosed by recorder's annual figures.

The year's registrations in correspondence-study subjects were largest in the studies enumerated above, and in the order named. English enrollments totaled 712; mathematics, 573; mechanical engineering, 395; business, 320.

Watts Studies An Industry In Reverse!

In an attempt to clarify the subject of corrosion of metals, which is as baffling as ever to industry and scientific experts in the field alike, Dr. O. P. Watts, emeritus associate professor in chemical engineering at the University of Wisconsin, has recently published a brief treatise on the matter through the State University's Engineering Experiment Station.

Dr. Watts' contribution to the field in this research consists of breaking down corrosion into four distinct types. Heretofore, corrosion has been discussed as one type of chemical phenomenon. For purposes of clarification, Dr. Watts, on the other hand, has come to the conclusion that the subject can and should be classified into four "inds of corrosion, with the statement that every case of corrosion of a metal is the result of chemical changes of one or more of his classifications.

The importance of corrosion research is seen from the fact that 10 years ago the American Petroleum Institute estimated that the annual loss to their industry through corrosion was \$200,000,000. A year earlier Sir Robert Hadfield, Sheffield steel maker, set the yearly loss to civilization by corrosion at \$3,500,000,000. As Dr. Watts expressed it, "Corrosion is a major industry in reverse — all loss, with never a profit."

the broadcast as the climax of the evening's programs.

The Alumni Association is assisting all alumni clubs who wish to have meetings on this night by preparing program suggestions and aiding in securing faculty speakers. The Association's recently appointed regional governors will also help those clubs in their districts and will act in a liaison capacity between the Association offices and the club officers.

Watch your local newspapers for further details regarding the radio stations in your vicinity which will carry the program.

The program this year celebrates

U. W. Union Triples Its Services

Services offered students at the University of Wisconsin by the Wisconsin Memorial Union have been tripled during its first ten years, it was revealed by Porter Butts, house director of the student center for recreational and extra-curricular activities, in his Tenth Anniversary report on the Union.

When first presented in 1928, the Union program of activities was arranged by intensive study of existing student union plans, and a compilation of the most desired activities. With the great increase during the last ten years, the Wisconsin Union now offers approximately four times as many kinds of services as are found in any other single union in the country.

The number of organized events increased last year from 2,883 to 3,269. To partake of these daily organized activities, a total of 226,505 people came to the union for a total of 755 every day, an increase of 25 per cent over last year. Of this group over 70,000 attended group dinners or teas for an increase in attendance of over 40 per cent.

An additional 10 per cent, or 57,000 attended club, committee, and business meetings where no food was served. Dance attendance increased 17 per cent for a total of 56,000, while 42,000 individuals listened to lectures, forums, and concerts for an increase of 39 per cent. In addition to these large numbers attending planned events, an average of 7,500 passed through the Union daily for other purposes.

Citizens Give Gifts to U. W.

(Continued from Page 1)

specimens of all the smaller mammals of Wisconsin, and of nearly all the larger ones," Prof. Wagner remarked.

"This material will prove of inestimable value in teaching zoologists, for whom there is an increasing demand," he said.

The paintings of Lakes Mendota and Monona near Madison are six feet by four feet in size, and are placed in gold leaf frames. They were given to the University by Bertha S. Dodge, Madison. Hattie E. Dodge did the paintings in 1899.

The paintings are to be hung in Elizabeth Waters hall, new girls' dormitory.

Zona Gale's gift was accepted by the board of regents at its last meeting. The \$1,000 is to be placed in a trust fund for 50 years, and then used to provide more scholarships similar to the ones already provided by her former gifts.

Chemistry Unit Within One Step of Completion

After standing uncompleted for 16 years, the west wing of the University of Wisconsin chemistry building has been brought nearer to final completion. The \$120,000 building addition constructed this past summer was made possible by a \$66,000 fund provided by the Wisconsin Alumni Research foundation and a \$54,000 PWA grant. There still remains a 45 square foot until to be added to the north end of the building to bring the building plans to completion.

"The new construction provides amply for the research work for students and staff of the chemistry department," said Prof. J. H. Mathews, director of chemistry department. "However, the undergraduate laboratories still are overcrowded. It is hoped that the north unit of the west wing may soon be constructed, thus completing the building."

The new west wing construction is in conformity with that of the east wing which was built in 1928. The addition is of modern fireproof construction and provides 15,000 square feet of floor space.

the 91st birthday of the University. Each year the University's birthday is celebrated on or about the anniversary of the meeting of its first class on Feb. 5, 1849. The first class consisted of 20 students.

Improve Way of Removing Sewer Grease

Improvement of the techniques under which grease is removed from sewage, and establishment of standards under which the operation of existing grease interceptors can be more accurately tested have been accomplished at the Engineering Experiment station at the University of Wisconsin.

Concerned over the problem of grease and oil in sewage, which has long troubled industries and communities, Arthur M. McLeod has recently terminated an exhaustive study on the grease and oil nuisance made while an instructor in hydraulic engineering at the State University.

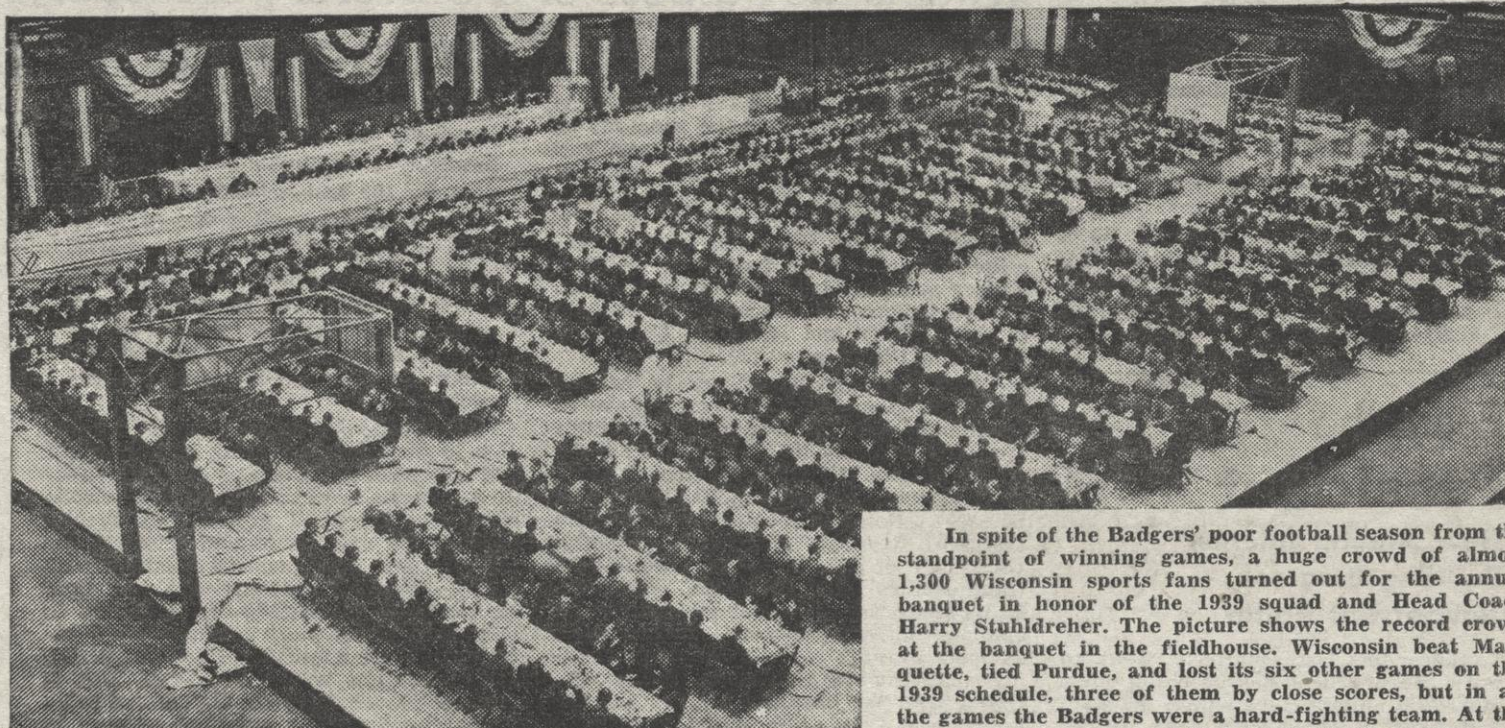
This series of experiments included a survey of grease interceptors or catch basins in the drain line of a plumbing fixture for the purpose of collecting and retaining greases and oils so that they may be periodically removed and thus prevented from entering the sewer system. This work will aid to reduce pollution of lakes and streams in Wisconsin, and more adequately safeguard public health from the dangers of less scientific sewage disposal.

Finally, McLeod's experiments at the State University led to the establishment of recommended standard tests for interceptors. As a direct result of his findings, standard test equipment, procedure, and rating of interceptors are now much more accurate.

Barnard Hall Library Completed

Barnard Hall's Browsing Library at the University, the project launched by the alumnae of the dormitory at its 25th anniversary last fall, has been completed and contributions to its shelves, which already hold 300 volumes, are mounting steadily. Miss Helen E. Farr, '16, and Mrs. Arthur F. Trebilcock, '18, were co-chairmen of the alumnae committee which carried through the plans for the 25th birthday celebration and appealed to the alumnae of the hall for contributions to the browsing library. Other members of the committee were: Mrs. Florence Ely Loomis, '16, Mrs. Genevieve Penhallagon Fox, '17, Mrs. Virginia Ballantyne Hof, '25, Mrs. Eleanor Shalk Orr, '31, Mrs. Julia Lowth Hill, '35, Miss Mary Jane Howell, '38, Miss Caroline Iverson, '39, Mrs. Catharine Culver Mulberry, '18, Mrs. Helen Browne Hobart, '19, and Mrs. Dorothy Paine Leisk, '18.

Record Crowd Honors Stuhldreher, Team



In spite of the Badgers' poor football season from the standpoint of winning games, a huge crowd of almost 1,300 Wisconsin sports fans turned out for the annual banquet in honor of the 1939 squad and Head Coach Harry Stuhldreher. The picture shows the record crowd at the banquet in the fieldhouse. Wisconsin beat Marquette, tied Purdue, and lost its six other games on the 1939 schedule, three of them by close scores, but in all the games the Badgers were a hard-fighting team. At the banquet it was announced that Ralph Moeller, senior end, and George Paskvan, junior fullback, were chosen captain and most valuable player, respectively, of the 1939 team.

Great Challenge for Universities: Democracy Must Develop Leaders for Public Life

America's democratic society must cultivate its natural or potential leadership for public as well as private life, and it is the state's duty to undertake this educational responsibility, Pres. C. A. Dykstra recently declared in an address before the students, faculty, and alumni of the University of Texas.

Speaking on "The Training of Leadership," Pres. Dykstra was one of the country's educational leaders who spoke at the inaugural of his friend, Dr. Homer P. Rainey, as president of the University of Texas.

Discussing the relationship between education and democracy, Pres. Dykstra asserted that "it is now time and none too early to assert that our education must once more be concerned with the whole national economy and interest and with those ideals of national unity of thought and purpose which are nationwide in their reach."

Back to Jungle

Pres. Dykstra warned that "there are those who see in current mass movements in Europe and Asia the disintegration of much that has come to be known as civilization," and he pointed out that many believe their lead-

ers are taking whole nations back to the jungle where "might is right and there is no law."

"Democracies and the democratic idea of opportunity have been scrapped in these countries," he declared. "Apparently a leadership was not developed under the democratic regimes that could help these peoples weather the economic and social storms which struck with such fury after the World war."

"We in the United States should find our warning in this recent history. Many of us believe that there is enough good in the democratic way to think it is worth encouraging and stimulating. No society can come to its best without the leadership of the able. We fail at too many points because of bad or at least indifferent or selfish leadership."

Granting the need of leadership, society has an organized agency, the state, through which it can act, Pres. Dykstra maintained as he concluded that "there is an obligation on the part of the educational establishment which the state sets up to concern itself with the preparation not only of citizens who will be competent to play their part in a democratic society but also with the development of challenging leadership for

Senior Class Prexy to Meet With Alumni Directors in Future

For the first time in recent history, the president of the Senior Class at the University, George Robbins, will be asked to participate in meetings of the board of directors of the Wisconsin Alumni Association. This procedure is the result of action taken at a recent meeting of the Association directors. This new plan will enable the class president to meet with the directors and to discuss with them matters which are of importance to the seniors.

"This is one of the most forward steps the directors have taken in recent years," states A. John Berge, executive secretary of the Alumni Association, in making the announcement of the new ruling.

the democratic way of life."

Train Leadership

"Leaders will be born and they will use their capacities for directing the ways of their fellows," he said. "To help train this natural leadership for the general welfare is the counsel of wisdom if we believe in our history and in our destiny as a self-governing people."

Pres. Dykstra emphasized that one of the "inescapable obligations of those who take on the responsibility of education in a democracy is to encourage by every possible means those who show capacity for self-development to make the

March Praises Union Theater on Visit to U. W.

"I wish I had four more years to go to school at the University of Wisconsin," Fredric March, Wisconsin's leading alumnus of the stage and screen, said when visiting his alma mater at the recent home-coming celebration.

The movie star was greatly impressed by the new Wisconsin Union theater. "Outside of Radio City in New York, I don't know any theater that is equally well equipped," March said.

The distinguished actor was guest of his niece, Barbara Bickel, senior co-ed from Syracuse, N. Y.

As Frederick Bickel of Racine, March enrolled at the University in 1916, and during his undergraduate days was active in campus dramatics.

most of their talents."

"It is the business of the university to concern itself with the leadership of the future," he declared. "The state ought to expect this and it doubtless does. It is a great trust and we must be worthy of it. It is the nature of the human race to follow the leadership which it produces. This fact should be the great, continuing challenge to the universities of our country."

Some Interesting Facts About Your University

DO YOU KNOW THAT—

In number of persons served and in variety of activities, the University of Wisconsin is the biggest service enterprise operated by the state.

The state has appropriated only 39 per cent of the estimated total cost of operating all University departments this year.

The ratio of state support for the University has decreased steadily from 60 per cent to 39 per cent during the past 10 years.

Not one cent of the University's funds from the state come from general property taxes.

Such, in brief, were the revelations concerning University of Wisconsin finances made by A. W. Peterson, University comptroller, in a radio program interview broadcast from the Wisconsin campus recently. Following are the questions asked by the radio interviewer and the answers given by Mr. Peterson.

Question: Just how big a business is the University, Mr. Peterson?

Answer: The University of Wisconsin is one of the most comprehensive universities in America. The three major fields of activity in which our university is engaged are instruction, research, and extension or public service. There are more than 11,000 students in residence on the campus at Madison, and over 25,000 registrations in extension courses. The agricultural extension service reaches practically all the farmers and farm organizations in the state. In the field of research there are under way some 1,500 separate studies and investigations of various kinds. In addition to these activities the University includes many service departments, among which are the department of dormitories and commons which is responsible for the housing and feeding of 1,500 students, with dormitories for 500 more now under construction; the student Union,



A. W. PETERSON

which provides recreational facilities for all students and serves an average of over 2,000 meals a day; and the Wisconsin General and Orthopedic hospitals, which together have under treatment, at all times, more than 600 patients from all parts of the state. The State Laboratory of Hygiene, the Psychiatric Institute, and the State Geologist are all members of the University family. In one way or another, therefore, the services of the University reach every community within the state and its influence extends even beyond the boundaries of the state. Any one of these many activities is in itself a big undertaking, and naturally when they are all put together in one organization it means that the Uni-

versity really is a very big enterprise with tremendous responsibilities and countless opportunities to serve millions of people. In numbers of persons served and in variety of activities, the University is the biggest service enterprise operated by the state.

Question: Just how much of the University funds this year come from the state and where does the rest of the money to run the University come from?

Answer: Many departments of the University, such as the dormitories, the student Union, and intercollegiate athletics are entirely self-supporting with no state funds used in their operation. Others, such as the extension division are more than 50 per cent self-supporting. On the other hand the legislature has appropriated certain funds for specific research projects that are supported entirely by the state. The cost of teaching is shared by the state, the federal government, and the students. Exclusive of the state's share of hospital costs, the state has appropriated 39 per cent of the estimated total cost of operating all University departments this year.

Question: It's certainly revealing to know that only 39 per cent of the University's funds come from the state this year. How does this proportion of the funds from the state compare with former years?

Answer: Both the amount appropriated and the percentage of the University budget coming from the state are less than in former years. State appropriations to the University this year total \$3,695,110, or 39 per cent of the total University budget. Ten years ago the state appropriations were over \$4,500,000, or almost 60 per cent of the total University budget. The ratio of state support has decreased steadily during the past ten years.

Question: It is said that not one cent of the University's funds from the state come from property taxes. Is that true,

and if so, then from what taxes do the University funds from the state come?

Answer: The state collects no general property taxes except for a very small mill-tax for conservation. Property taxes are used for local purposes. The money appropriated to the University by the state comes from such sources as income, inheritance, and utility taxes.

Question: You mentioned a few minutes ago that the University of Wisconsin operated in three fields of work—instruction, research, and public service. Now could you tell us what proportion of the University's funds are spent for each of these three fields of work, and at the same time give us an idea as to where University funds go?

Answer: I am glad to have the opportunity to answer that question, because many people seem to be of the opinion that all University expenditures are for instruction of students. Of course instruction is one of the most important activities of the University, but actually only about one-third of the budget is used for the direct cost of teaching students here on the campus. About 27 per cent is used for public services including the hospitals, the extension division, and the agricultural extension service. Approximately nine per cent is allotted for research and special investigations. The dormitories, dining halls, student Union and intercollegiate athletics, which you will recall are entirely self-supporting, use about 16 per cent of the total budget. This accounts for 85 per cent of the total and the other 15 per cent is allotted for the repair and maintenance of buildings and grounds, libraries, student health service, administration, the dairy, College of Agriculture farms, and miscellaneous activities.

The Badger Quarterly

Published quarterly by the University of Wisconsin as an informal report of its activities to its Alumni, Parents of its Students, and to other Citizens of the State.

January, 1940

Entered as second class matter at the postoffice at Madison, Wis.

EXECUTIVE EDITOR **ROBERT FOSS**
ALUMNI EDITORS **JOHN BERGE**
HARRY THOMA

Publication office: 711 Langdon Street, Madison, Wisconsin.

From the President New Alumni Interest Building Progress Budget Cut Again

Since the last Quarterly went to press the president has been the guest of several alumni clubs within the state and some in other states. At Austin, Texas, for instance, some thirty old Wisconsinites had a Wisconsin tea during the inaugural program of the new president at Texas. For almost two hours we talked over together the old days and brought each other up to date on what is going on currently on the campus. There is a renewed interest among alumni everywhere "and that's a very good sign." In a meeting in Wisconsin last week there were seventy old students in a town of 5,000. Announcement was made at the dinner of an annual provision for two alumni scholarships at the University. It is all very heartening.

LAW LIBRARY READY

Well, what is going on currently on the campus? The new law library is finished and the students will be using it when they get back from the Christmas vacation. The books were moved in by a bucket brigade made up of faculty and students. It was the kind of co-operative effort that was in use on the frontier when the neighbors helped to put the roof on the new log house. The bio-chemists are getting into the new wing of the old agricultural building during the holidays. We are thus left with only two of our building projects unfinished as the New Year opens, the cancer laboratory and the women's dormitory. These are both coming along in good shape and those who come to Commencement in June will see them in operation also. For the present it seems that P. W. A. allotments are a thing of the past. We were lucky to get in when we did and the campus is much richer for the federal help.

Our committee on Letters and Science curriculum will soon be ready to report. We shall be happy for any suggestions which any of you may have for the good of the order.

FIVE PER CENT CUT

We are doing our best to meet the problem set for us by the action of the Emergency Board which reduced all state departmental budgets by five per cent for the remainder of the fiscal year. The cut for the University was more than \$80,000. If we get another cut there will be no alternative to another invasion of the salary codes. Such an action would be most unfortunate in a year when living costs are going up and when our faculty, for the first time, will be paying the federal income tax as well as the state tax.

The University is doing business at the old stand, however, and I believe doing it well. It deserves well of the state and of the Alumni. Let us all pull together to get over the hump. We need not only the support of the Legislature but of the legion of graduates and old students who have climbed the hill.

Christmas has just passed and the first day of the New Year 1940 approaches as I write this message to you. I take this opportunity to extend the season's greetings to you all wherever you are!

C. A. DYKSTRA, President
University of Wisconsin.

Study Badger Lakes

Among those cooperating in a study of Wisconsin's lakes in 1939 were 12 University of Wisconsin professors, fellows, and assistants. Studies considered fish food supply, fish populations, lake bottom deposits, penetration of sunlight into lake water, acid and alkaline content of lake waters, bacteria population of beach sands, carp eradication.

Results of the study are vital to Wisconsin in that they help conserve the lakes on which the state's important recreation industries depends.

What Is the Purpose of a University Education? Curriculum Revision at Wisconsin--

The University has tried earnestly to serve the young people of the state and to meet changing needs, expanding numbers and decreasing budgets. It has met the problems of the past with the help of public opinion and student experience and its own self-criticism. When therefore a Committee was appointed last April by Dean Sellery and President Dykstra to examine the curriculum and educational procedure of the Letters and Science College, it found itself in no new role.

What further adaptations to present conditions should the University make in the coming year? Serving on the committee appointed to study this question are Professors Daniels (Chemistry), Gilbert (Botany), Groves (Economics), Kirk (Political Science), Noland (Zoology), Pochmann (English), Reynolds (History), C. A. Smith (Secretary of the Faculty), Sokolnikoff (Mathematics) and Twaddell (German). In its study the committee has sought the opinions of administrators, faculty and students through conferences, open meetings, questionnaires and letters. It has conferred with the board of visitors and the Educational Committee of the Regents.

It seeks also the advice of alumni and parents through the medium of this article. Those who care to offer definite suggestions are invited to write at once to Professor Farrington Daniels, Chairman of the committee, at the Chemistry Building, University of Wisconsin.

Is the University's chief aim to develop scholars or citizens? This question has long been discussed, and the emphasis has changed from era to era and from university to university. Fortunately, the two are not incompatible. The University of Wisconsin has ranked very high in scholarship and research; also it has been an outstanding pioneer among universities in service to the State. Now, with the collapse of international relations and the crippling of the economic system, it is doubly conscious of its obligations. This country is the richest, most privileged and freest in the world. There are a million young people in institutions of higher learning. Never has there been a clearer or heavier responsibility than that which now rests on teachers to train properly the leaders of the coming years.

Is our present curriculum adequate to meet the responsibilities of the present time? There seems to be no serious criticism of the professional adequacy of the University. Our graduates are accepted as well-trained specialists, lawyers, engineers, doctors, teachers and scientists. There are some secondary criticisms—for example, they do not write good reports, some are not at ease when being interviewed, their personalities do not fit etc. Perhaps these short comings are pre-university problems. SOME NARROWLY TRAINED

But we cannot ignore completely the criticism that some of our specialists are narrowly trained. Perhaps we are requiring specialization of all when some students are neither interested in, nor suited to specialization. In order to obtain a degree they must select a major subject with concentration of studies in a given department, — a procedure necessary to professional or advanced scholastic training. For the large number of students who do not graduate but who wish some university training, such concentration may not be an advantage. The departments of the University are overcrowded, and the specialized instruction and guidance are expensive. Are we right in forcing students, who will not profit by it, into a specialization?

Other universities have tried to solve this problem in various ways. Many privately supported universities deny admittance to students of lesser scholastic promise. A neighboring university established a two-year general course with simpler survey courses, but found that the segregation of a group has its drawbacks. The committee is considering a plan by which a student who does not wish professional training may obtain a degree (B. A. or Ph. B.) without the requirement of a major in a department. The standards of courses should be just as high, for the University cannot afford to keep those students who fail to profit by the instruction, but the training may be more diversified than under a major. Relieved of the necessity of building credits toward a major, some students may thus obtain a broader experience. Also, those who cannot stay the four years will be more free to choose according to their particular needs. It is hoped also that certain courses previously open only to sophomores may be elected by specially qualified freshmen.

The University offers many hundreds of courses, but there seems to be a considerable demand for survey courses which will give a broad introduction to a field of knowledge so that the bewildered student may know the interests and methods of that field. The faculty at Wisconsin would be slow to sanction new survey courses

if they implied superficiality or lax standards of scholarship. There is, however, a legitimate place for surveys for the non-specialist. The committee is recommending two or three such courses. If they are successful, others may be added. On the whole it will be better and cheaper to work within the existing framework of courses because these are already the results of extensive planning and experience.

The University will of course be unable to undertake anything new that will add appreciably to the budget. While drastic economies have been instituted, enrollment has increased greatly. A faculty planned for eight thousand students inevitably has less personal contact with twelve thousand students and less time for thorough scholarship and research. If only students of superior intellectual attainment were admitted to the University, many problems would be solved. This is not now practical though high school principals are doing an excellent service in discouraging from coming to the University those students for whom statistics show that they are sure to have difficulty. The extension division is giving regular University instruction in many centers throughout the state to a large increasing number of students. Eventually it is hoped that the various education units of the state including the teachers' colleges and the university may be brought together in closer cooperation.

FUNCTION OF UNIVERSITY

The state should offer higher education to every son and daughter who is capable of profiting by it, but this does not imply that every prospective college student must go to Madison. The function of the University must always be more than that of a college. The University must give instruction, but it also has an obligation to give specialized training, to advance the frontiers of knowledge through research and to train specially qualified young men and women to continue in research. These functions of a University are built up only by constant effort and zealous planning over long periods of time and they must be carefully guarded for the future. Sometimes the benefits which accrue to undergraduate teaching through graduate research are not fully realized. The assistants and instructors of a department are closest to the freshmen and sophomores and from them the future professors are largely drawn. The caliber of these assistants and instructors at-

tracted to a department depends to a very considerable extent on the national and international reputation of the department, and this in turn depends on the continued research activities of the department. Obviously also a department's ability to find attractive positions for its graduates depends upon its reputation.

Always there are some students who are unwilling or unable to maintain the minimum standard of scholarship demanded by the University. These cases constitute real tragedies for the student involved. It is earnestly hoped that potentially weak students will be dissuaded more and more from coming to the University. But the prevalence of these misfits is much over-emphasized. As a matter of fact at the end of the first semester in 1937-38, of the 2,421 students who came to the University directly from high schools without a previous record in college, only 69 were asked to leave the University. Unfortunately this group received much more publicity than did the group of three times this number which attained high honors in scholarship.

For the smooth running of an institution as complex as a university a large number of rules are necessary and the committee has been reviewing these. Some of these were devised originally to make the University difficult for the play-boy, but the play-boy is not now a serious problem. Over half of the students are earning at least part of their way, and all students find that the University takes real effort. Perhaps some of these rules can now be relaxed. The general tendency is to put more responsibility on the student. Fewer drills in quiz sections and the creation of more independent work are in line with this.

The committee will present its full report to the faculty in the near future. In making recommendations it is being guided by practicability, with a view to only those changes which, if approved, can be put into force in 1940-41.

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Professor of Chemistry.

Help Blind Students

Becoming the first university in the world where a blind student may come with the knowledge that he can do most of his reading himself, the University of Wisconsin has established a "Library for the Blind" where its blind students may do their Braille studying and research.

For University Students There is Great Need for Cash Scholarships

Information which reveals the impecunious condition of the large majority of those who attend the University may be surprising to those who are not familiar with the financial condition of the members of the student body.

The fact that about thirty per cent of the students at Madison are wholly self-supporting and that an additional thirty per cent are more than one-half so makes a real impression. But that fact appears much more significant when additional information about the amount of time involved in working one's way and the extreme sacrifices which many young men and women have to undergo becomes known. Then one is startled to realize how much a small amount of \$25 or even \$10 would mean to so many students whose economic conditions are desperate.

We all agree that it is not so unfortunate (many of us feel that it is fortunate) for many students to be under the necessity of working their way. But there is a minimum condition of decent living, of healthy food, of hours of labor beyond which none of us want young people to go. And the tragic fact is that so many eager, capable, earnest Wisconsin students are living below that minimum.

Many of our students not only do not have adequate clothing, or proper food, they also jeopardize their scholastic records because of the unreasonable amount of time necessary to meet living expenses.

Consider the situation for the current year. There was but \$4,000 in scholarship funds available for an under-

graduate body of over eight thousand students. Only sixty cash scholarships were awarded. Among the many applicants there were upwards of three hundred and fifty whose need was extreme and whose scholarship record was high.

The committee on scholarships could make awards only to the best of the best. Twenty-five thousand dollars would have met the needs of highly deserving and competent boys and girls. In no case would a student have been relieved of the necessity of working his way, but he might have had a little additional time to spend on his studies, he might have eaten three times instead of twice a day, he might have dressed more warmly, he might have benefitted from at least a minimum of social life.

These statements may seem extreme, but the cases, were there space to enumerate them, are extreme. Scores of cases are of young people with brilliant minds but no sources of financial assistance. In many cases twenty-five dollars is the differential between remaining in the university or withdrawing from college. After all there is an extreme beyond which a student, however ambitious and eager, cannot go.

And there is the matter of thinking in terms of the significance of the investment made in the young people of such quality. Not only would they profit, but society would also profit manifold from the returns which would come from such a group as it would capitalize upon their future services.

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DEAN HOLT