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THE BADGER QUARTERLY

If you want to be a Badger, just come along with me--

University
News For



Wisconsin
Alumni

December, 1940

Issued Quarterly by the University of Wisconsin. Entered as second-class matter at the post office at Madison, Wis., under the Act of August 12, 1912, Madison, Wis., December, 1940.

Vol. 3, No. 2

U. W. Celebrates 92nd Birthday Feb. 12

U. W. to Be Host to Thousands Farmers, Homemakers of State Meet Feb. 3-7

The University of Wisconsin will again play host to thousands of farmers and homemakers from all sections of the state when they gather for their annual state Farm and Home Week at Madison, February 3 to 7, inclusive. This annual event, sponsored by the state extension service, is coming to claim an increasingly important place in agricultural program planning in Wisconsin. Here farmers and homemakers meet to confer directly with national, state, and local farm leaders as they plan for the coming year.

Dean Sellery Writes Story on Dr. Birge



BIRGE

SELLERY

With the final acceptance by Letters and Science Dean George C. Sellery of the assignment of preparing the biography of Dr. E. A. Birge, the list of authors for the Wisconsin Alumni Association's history of the University is at last complete. At the present writing, all of the manuscripts have either been completed or are in the course of completion.

Five have already been printed

(Turn to Sellery-Birge Page 3)

U. W. Men Aid Nation's Defense

Four University of Wisconsin faculty members are among 60 of the nation's leading scientists who are serving on committees of the National Defense Research committee, a survey of the list of the national committee's personnel has revealed.

The four faculty members are: Profs. Homer Adkins and Fannington Daniels, both of the chemistry department; Prof. Olaf L. Hogen of chemical engineering; and Prof. Gregory Breit, of the physics department.

Profs. Adkins, Daniels, and Hogen are serving on the national committee's division dealing with chemical problems, while Prof. Breit is serving on an assisting committee reporting directly to the chairman. Prof. Breit, along with two other faculty members, Ray Herb, physics, and A. E. Whitford, astronomy, were recently given partial leaves of absence by the University to devote time to work assigned them by the National Defense committee.

Praise U. W. Record in Science Research

That the University of Wisconsin is one of the nation's top sponsors of scientific research, is the opinion of Paul DeKruif, brilliant American scientist, who visited Madison recently to call on his long-standing friend, Chris L. Christensen, dean of the College of Agriculture. DeKruif, who has authored several books, and has provided the scientific inspiration for, among others, Sinclair Lewis' "Arrowsmith," looks upon the University of Wisconsin as "a spearhead in the scientific world."

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FOUNDERS' DAY PROGRAM SPEAKERS



MICHAEL CLEARY



PHILIP REED

Find New Method for Treating Skin Cancer

Development of a new technique for the treatment of certain forms of cancer, one of the most dreaded diseases known to mankind, was announced recently by the Cancer Committee of the University of Wisconsin.

This new technique, which can be used only on superficial or skin cancers, is based partly on an old form of cancer treatment, that is, the application of chemicals for the coagulation of cancerous tissue. The new part of the treatment, developed at Wisconsin by Dr. Fred Mohs, research associate in cancer research and instructor in surgery, is the method by which this chemical is applied and controlled.

Announcement of this latest step in the treatment of certain forms of cancer by this method was made by Dr. Mohs at a meeting of the Western Surgical Society at Topeka, Kansas.

The new technique for the application of chemicals is used in the treatment of cancer as an adjunct to surgery, radium, and X-ray, the State University's Research committee said. It does not contribute anything to our knowledge concerning the nature of cancer, and for that reason cannot be considered a major contribution to the knowledge of this disease, the committee emphasized.

Work on this form of cancer treatment was initiated at the

(Turn to Skin Cancer Page 2)

National Groups

Elect U. W. Men

Three University of Wisconsin professors were elected officials of national societies in their fields at annual meetings of the organizations held recently.

Prof. R. E. Langer, member of the University mathematics department, was elected first vice-president of the Mathematical Association of America at a meeting held in Baton Rouge, La.

Dr. Frederic A. Ogg, University political scientist, was named president of the American Political Science association, and Dr. Howard Becker, professor of sociology at the University, was elected second vice-president of the American Sociological society at meetings held in Chicago, Ill.

(Turn to Founders' Day Page 2)

Down Through the Years

University and Its Alumni Association Grow Together

Ninety-two years ago Feb. 5, a band of intrepid youngsters met in the old Female Academy in Madison to form the first class of the recently founded State University of Wisconsin. Prof. John W. Sterling was their first and only teacher. During the present school year close to 12,000 students are meeting with some 600 faculty members in the University's many classes.

Little did the founding fathers of the institution realize 92 years ago that some day their brain child would rank 8th in enrollment among American universities. Little did they realize the position of international eminence their institution would some day assume. Nor did they realize the many troubles, financial, political, religious and social which would beset their school before it reached maturity.

Little did they realize, too, at the outset, that within less than

(Turn to Through Years Page 2)

Alumni Announce Frank Memorial Scholarship Fund

A rising tide of sentiment for the establishment of a scholarship fund in memory of the late President Glenn Frank has been recognized by the Alumni Association's scholarship committee and preliminary details for the raising of such a fund have been announced.

Under the chairmanship of Robert B. L. Murphy, '29, the scholarship committee presented its initial report to the board of directors of the Alumni Association

20 Friends Help

Add 200 Acres

to U. Arboretum

A tract of 200 acres of wooded land was added to the University of Wisconsin arboretum recently when the State University Board of Regents approved acceptance of the land subject to a mortgage of only \$6,000.

The 200-acre area was offered to the regents by Col. J. W. Jackson, secretary of the Madison and Wisconsin Foundation, on behalf of the University Arboretum committee. Total cost of the 200-acre tract was \$13,500, Col. Jackson reported to the regents, but this price was reduced to the \$6,000 mortgage by private donations of \$7,500 from about 20 friends of the University who wanted to see the land added to the University's arboretum.

The 200-acre addition brings the total size of the University arboretum now to almost 1,200 acres, and makes it one of the largest arboreta in the world. Located on Lake Wingra on the city limits of Madison, little more than a mile from the campus, the arboretum is used by the University as a huge outdoor laboratory for experimentation on problems of forestry and wild life conservation and game management.



DR. WILLIAM SNOW MILLER

Famous Books Stay on Campus University Gets Priceless Medical Library Collection

One of the most valuable private medical collections in the country was acquired by the University of Wisconsin recently when the private library of the late Dr. William Snow Miller, professor emeritus of anatomy at Wisconsin, was delivered to the Medical school.

The entire library, containing some 1,700 books, was purchased from the doctor's estate for \$15,000, but their replacement value has been set as high as \$200,000. Some faculty members say that a number of the books are among a handful of their kind in the world, and that their replacement value can hardly be estimated. The collection contains books which are not even in the surgeon general's library at Washington, D. C., considered the most complete medical library in the coun-

(Turn to Medical Library Page 8)

Schools Must Seek Truth, Train Citizens

America's educational institutions today face a "double-barreled" challenge—the training of responsible citizens, and adherence to those processes of "winnowing and sifting by which alone the truth may be found," Pres. C. A. Dykstra of the University of Wisconsin declared recently in an address at the inauguration of Dr. Howard L. Bevis as president of Ohio State University at Columbus, Ohio.

Asserting that "at this moment the universities of America face very real responsibilities as they confront very real difficulties," Pres. Dykstra maintained that "they must serve the time without yielding to it, a hazardous task when emotions are aroused."

"To do their work in this new and critical day and to fulfill their responsibilities to those imperatives which characterize the democratic way, our universities must remain free, as the pioneer who founded them was free, free to explore new regions and report upon what they find," he declared. "They must recognize that neither science nor society has crystalized. Both are still growing and changing and require as always pioneer trail blazers. They have the further duty of helping to adjust pioneer ideals to the new requirements of American democracy."

"Our state universities have their roots in pioneer ground. They have been nourished in the traditions of the American frontier. The march of events has carried them away from that frontier into a complex and vastly different world. But they are still both from and for the people. Today let us proclaim that these universities of ours, precious in pioneer days, are doubly precious in the American world of today—doubly precious and more than ever necessary. Let our states and our people, with whose democratic origins and progress these institutions are so closely entwined, give them a never failing support and keep them free to serve the high interests for which they were founded."

Skin Cancer--

(Continued from Page 1)

University six or eight years ago. It first passed through the experimental laboratory where it was tried out on laboratory animals. In these laboratories a new method for the application of an old type of treatment was developed. After the animal experiments had shown that the method was safe for the treatment of human cancer, and that it had an application in the treatment of selected cases, it has been used at the Wisconsin General hospital. It has now been successfully used for the past four years.

The part of the treatment which is old is the application of chemicals for the coagulation of cancerous tissue. The chief chemical constituent of the material which has been used at the University is zinc chloride. It has long been used as a method for the removal of superficial, that is, skin cancers.

The new part of the treatment is the method by which the chemical is applied and controlled. It provides a method by which the patient can be protected from the destruction of normal tissue, and in some cases, a means for the complete removal of the cancer. It has a limited usefulness in the treatment of cancer and can be considered only as an adjunct to other methods which are now used, namely surgery, radium, and X-ray.

It has a limited usefulness, the Cancer committee explained, because it can be used only in the removal of superficial cancer. It is further limited by the fact that it can remove the growth only from its original site or location. Cancers of long duration which have been disseminated to many parts of the body cannot be treated by this method.

Because the new technique for applying this old treatment provides a method for its careful control, it has an advantage over

We're Still Looking for Lost Alumni! Can You Give Us Some More Help?

Now on the Case!



MR. SHERLOCK ALUMNUS

Little, Margaret J. (PhB (Nor) '28)—Campbellport, Wis.
Lowney, Robert E. (Ex '34)—709 1st Ave., S., Great Falls, Mont.
Lucey, Mildred A. (MS '34)—Bouve School of Phys. Ed., Boston, Mass.
MacLaurin, Dorothy D. (BA '21)—1807 Colfax Ave., Minneapolis, Minn.
Magbanua, Manuel P. (Ex '35)—Potato, Ilvilo, Philippine Is.
Mahorney, Florence H. (BSA '22)—Gen. Del., New Brunswick, N. J.
Markley, Paul S. (Ex '17)—London, Ohio.
Marks, Reeve (Ex '31)—5842 Sheridan Rd., Chicago, Ill.
Masters, Gail C. (PhM '37)—1198 N. Cherry St., Galesburg, Ill.
Mastell, Gilbert B. (Ex '17)—2737 St. Paul St., Baltimore, Md.
May, Richard, Jr. (BA '39)—405 E. 54th St., New York, N. Y.
McConnell, Robert E. (Ex '05)—Westaco, Tex.
Meehl, Gladys M. (Ex '31)—401 S. 4th St., Marshall, Minn.
Meland, Norman (BA '16)—707 Braniff Bldg., Oklahoma City, Okla.
Miller, Arthur A. (Ex '30)—Almena, Wis.
Jenkins, Henry R. (MA '32)—540 Hudson St., Daytona Beach, Fla.
Johns, Carlton H. (BA '27)—405 S. 8th St., La Grange, Ill.
Josephson, Ray I. (BA '38)—152 W. 11th St., New York, N. Y.
Juedes, Clifford B. (Ex '37)—2027 E. Blackford Ave., Evansville, Ind.
Kailing, Harold J. (BA (CC) '37)—285 Gillett St., Fond du Lac, Wis.
Kelley, George D. (Ex '36)—1713 Wisconsin Ave., Beloit, Wis.
King, Charles D. (Ex '34)—Est. La Cruz, Chihuahua, Mex.
Krogh, Harriett (BA '29)—615 9th Ave., Valley City, N. Dak.
LaDue, Russell M. (Ex '20)—c/o McCracken Mach. Co., Sioux City, Ia.
Laine, Vaino E. (Ex '33)—42 E. Cedar St., Chicago, Ill.
Lau, Mun K. (Ex '33)—1340 S. Beretania St., Honolulu, T. H.
Lawson, Jean L. (Ex '38)—22 11th Ave., N. W., Aberdeen, S. D.
Lehnerts, Edmund J. (Ex '18)—Arcadia, Wis.
Levin, Marian (Ex '33)—235 Rockaway, Lawrence, L. I., N. Y.

University Offers Pilot Training to 750 in '39 - '41

Reporting on results of flight training program at educational centers in Wisconsin, the University of Wisconsin extension division in December listed a total of 546 students who have received civilian pilot instruction since flight courses started in 1939. During the second semester 200 additional students will receive the training, and advanced ground courses will be opened to persons wishing to take ground school work only.

Thus, by next July, the University will have offered flight training to more than 750 youths in the national program which aims to build up a potential supply of future pilots. By this time next year, it is promised, many of the present students will be serving as flight instructors in the military service.

Wins Fellowship

Dr. Thomas F. Anderson, instructor in physical chemistry at the University of Wisconsin, has been awarded the Electron Microscope fellowship of the Radio Corporation of America. Dr. Anderson was chosen by a committee of nationally known scientists from among a large group of applicants from universities throughout the country.

Milligan, Elisabeth L. (BA (CJ) '25)—220 E. Cossitt Ave., La Grange, Ill.
Montellano, Pedro (Ex '21)—C. A. H. S., Catamaran, Samar, P. I.
Morgan, Roy L. (Ex '12)—512 3rd St., S., Aberdeen, S. D.
Morrisssey, Donald J. (BS (Ag&Ed) '36)—Bloomington, Wis.
Morrow, Malcolm (Ex '32)—3741 W. Stark St., Milwaukee, Wis.
Mottram, John J. (Ex '24)—105 N. 10th St., Lincoln, Ill.
Mutch, Stuart (Ex '04)—1723 Filmore St., Caldwell, Idaho.
Myers, Brydon A. (Ex '31)—Clarion, Ia.
Newcomb, Emilie A. (PhD '37)—5 Hampton Pl., Brooklyn, N. Y.
Newman, Mark H. (Ex '27)—311 Minnesota St., Hollywood Beach, Fla.
Nicolazzo, Corradino (Ex '30)—Box 177, Stevens Point, Wis.
Otto, Mrs. Herman (Ex '35)—9 Crocus Hill, St. Paul, Minn.
Painton, Audrey J. (Ex '27)—Painton, Mo.
Palfrey, John R. (AgG '10—University of Ill., Urbana, Ill.)
Patterson, Myrl L. (Ex '22)—Sugar Grove, Ill.
Peel, Henry A. (Ex '34)—RFD No. 1, Landover, Md.
Perry, Mary A. (Ex '24)—120 Trevillian Ave., Kirkwood, Mo.

Petersen, Margaret C. (PhB (Nor) '28)—1720 Van Buren St., St. Paul, Minn.
Pfefferkorn, Erwin F. (Ex '25)—Two Rivers, Wis.
Phillips, Harrison N. (Ex '25)—Mehama, Ore.

Plettner, Vernon M. (BA (CC) '27)—Ridgeview Hotel, Evanston, Ill.
Preston, Charles F. (Ex '25)—Chippewa Falls, Wis.

Reed, Albert C. (BS (ChE) '33)—1519 Morris Ave., Portsmouth, Va.

Reel, Robert U. (Ex '27)—Greystone Apartments, Broadway at 91st, New York, N. Y.
Reznor, J. Virginia (Ex '25)—138 E. Market St., Mercer, Pa.

Reynolds, Lucile (Ex '30)—3819 Buell Ave., Toledo, Ohio.
Robertson, Richard C. (Ex '22)—Box 112, Greenwich, Conn.

Roller, Duane E. (Ex '18)—Univ. of Okla., Faculty Exchange, Norman, Okla.
Schaal, Dale H. (BA (CC) '32)—c/o Sauer Nursery, Rhinelander, Wis.

Sprague, Mrs. Ernest (BA (CJ) '19)—400 E. 52nd St., New York, N. Y.
Walczak, Mrs. B. B. (BA (CJ) '25)—7364 Harwood Ave., Wauwatosa, Wis.

Wallace, Letitia A. (Ex '26)—2034 E. 82nd St., Cleveland, Ohio.
Widell, Robert E. (Ex '37)—1301 East Blvd., Cleveland, Ohio.

Founders' Day --

(Continued from Page 1)

D. C. The program will open and close in Madison. President Dykstra will return from his post with the selective service board in Washington to be present in the Memorial Union Theater to open the broadcast. Mr. Cleary will speak from Milwaukee and the broadcast will be switched to Washington, D. C. to pick up Mr. Reed's talk.

Definite commitment has not been made as yet as to which of the NBC network stations will carry the program. WENR has been definitely designated as the mid-West outlet for the program. Probably WTMJ will carry the Milwaukee part of the hook-up.

Alumni are urged to contact their local radio stations to insure them picking up the broadcast. In many instances the local managers determine whether their station will carry the program or not. If sufficient alumni request the program, the local manager will accede to their wishes.

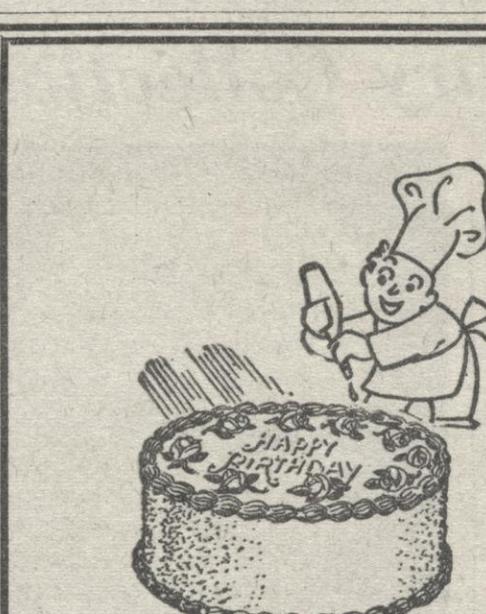
Alumni club meetings and programs from coast to coast will be held in conjunction with the broadcast. Dozens of clubs already have started their plans and every day brings new responses from clubs in all parts of the country. Alumni association officials anticipate that more than 50 per cent of the alumni clubs will hold special dinners or evening meetings to "tune in" on the broadcast.

President Dykstra is well-known to all alumni. The other two speakers are among the nation's most outstanding men. Mr. Reed is one of the youngest men to hold such an important post. Selected for his position in 1938, he was not yet 40 when he took office, succeeding Owen D. Young as chairman of the board of the General Electric co. Mr. Cleary rose from farm boy to president of a billion dollar insurance company. His company is one of the largest in the world.

prepared and well-armed to fight whatever battles the University may be called upon to engage in. Its services are sent to alumni whose residence encircle the globe.

From its meager beginnings, the Alumni Association, too, has grown by leaps and bounds. Its sole function for years was to promote the annual alumni reunion dinner. Later it began to keep records of the alumni. It founded The Wisconsin Alumni Magazine, now called The Wisconsin Alumnus, in 1899. A paid secretary was soon employed. Membership fees were charged. Alumni clubs were organized. Legislative programs were developed. Each year the Alumni Association was increasingly becoming a more powerful factor in the continued welfare of the University.

Today, the Alumni Association stands, in the words of President Dykstra, as "the strong right arm of the University." Its services have increased until now every alumnus and former student, whether a member of the Association or not, is benefited by its far-reaching program. It carries the University's torch to all corners of the nation. It stands well-



Cut Me in on the Birthday Party

You bet, I want to be in on the University's 92nd birthday party. I want to send a present, too, one that will help the University become stronger with each year. Bill me for a year's membership in the Wisconsin Alumni Association so that organization may become a mightier "strong right arm of the University" during the months to come.

Name Class

Address City

Because the new technique for applying this old treatment provides a method for its careful control, it has an advantage over

Badger Sports Teams Have Good Records

By finishing with a record of four games won and four lost, which gave them a tie for fourth place in the western conference, the University of Wisconsin 1940 football team surprised most of the experts and won universal approval by its supporters. The Badger's showing against Minnesota when they led, 13-0, during most of the first half, capped the most successful season except that of 1937, since Harry Stuhldreher took the coaching reins at Wisconsin.

Throughout the season, George Paskvan was Wisconsin's outstanding star. The big fullback played in every game, averaged four yards per try in offense and played a terrific defensive game. He was rated either second or third All-American fullback on practically every honor eleven, was named first on several All-Western teams and was honored as captain and fullback of the All-Croatian team. He was voted Wisconsin's most valuable player for the second successive year. If he elects to play professional football, he will be offered a job with the Green Bay Packers who picked him in the draft.

After a wobbly start in which they won some good games and lost a couple which they were expected to win, Coach "Bud" Foster's current Wisconsin basketball team has steadied down and seems headed for a good season. The Badgers in early games defeated Ripon, Marquette, Notre Dame, Nebraska, Iowa, and Purdue, dropped a close game to Pittsburgh, slumped in the second Marquette clash and fell apart in the last half of the Minnesota game. With a number of changes in personnel, however, the Badgers are now playing good ball and hopes are rising for a first division team.

Following the policy consistently pursued since the sport was established on an intercollegiate basis, Coach Johnny Walsh will not send the Wisconsin boxing team into action until the second semester. Walsh will have six experienced boxers available this season, assuming that all clear the mid-year eligibility hurdle. They are Bobby Sachtschale, 120; Gene Rankin, 135; Warren Jollymore, 135 or 145; Ray Kramer, 155; Billy Roth, 165; and Nick Lee, 175. Rankin and Lee are former national collegiate champions. The season will open formally with the All-University tournament, Feb. 12 and 14.

"Going Up!" Is Way of Campus, Alumni "Spirit"

Coincident with the pronounced increase in "spirit" on the University campus has been an increase in the activity of the many alumni clubs scattered from coast to coast. Never before have there been so many successful and noteworthy meetings during the fall months as have taken place recently.

"I reminds one of the good old days before the war and the depression," stated A. John Berge, executive secretary of the Association in discussing the renaissance of the alumni clubs. "Our alumni club activities are definitely on the up-grade and we know that 1940-41 will be our most outstanding year in recent history."

As an example of what has been going on in the alumni club world, here are a few facts on some of the recent meetings: The Eau Claire club had to take to the air to tell people that there were no more reservations available for a rousing football dinner in that city. Detroit reports its "most successful Christmas party ever staged" and an interesting November meeting at which members of the Detroit "Tigers" baseball team spoke.

The annual football dinner in Chicago was novel, successful, and fun. There were no speeches, no speakers table, and a great

Schools Praised for Their War on 'Racket' Courses

By accepting advice from their local educational officials and heeding warnings of state enforcement agencies concerning certain correspondence school offerings, Wisconsin people have been saved large sums, school principals of Wisconsin were advised recently.

Writing to the principals, Dean F. O. Holt, of the Extension division, expressed approval of their "splendid record" in protecting young people of their communities from "questionable practices" of some commercial schools, and urged their continued vigilance in guarding young people from losses.

The state department of public instruction, the industrial commission, and the department of agriculture and markets, he pointed out, "have issued recurrent warnings to the people of the state that have led to the avoidance, in many instances, of succumbing to the high pressure salesmanship and offerings of schools that are more meritorious. I am sure that the result has been a saving of thousands of dollars to thousands of people in the state who can least afford to lose money or make a poor investment."

Sellery-Birge --

(Continued from Page 1)

in the Wisconsin Alumnus and three more will appear in the remaining issues of 1940-41.

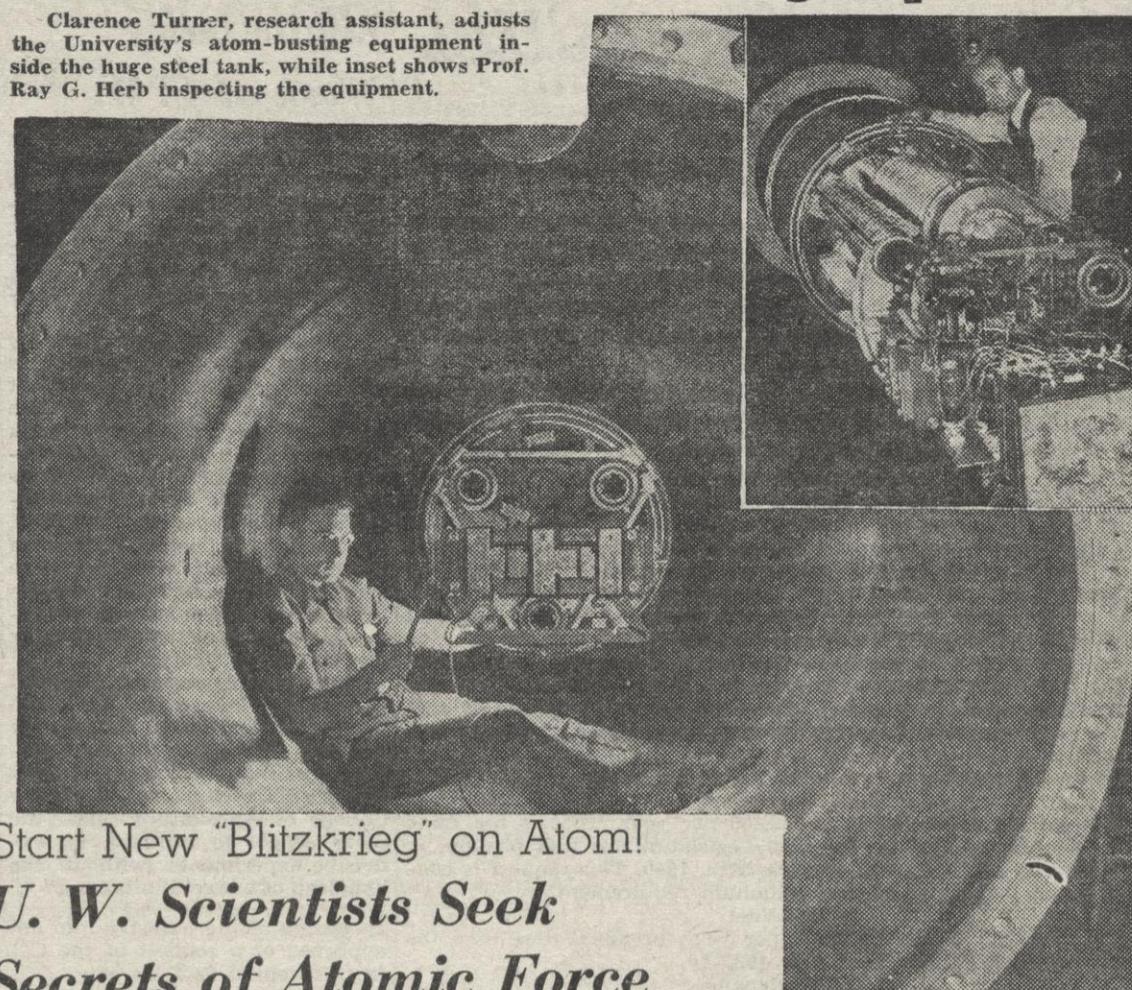
The February edition of the Alumnus will carry the chapter on the eminent John Bascom, prepared by George I. Haight, '99, former president of the Alumni Association, member of the board of directors of the Wisconsin Alumni Research Foundation, and one of Wisconsin's truly outstanding alumni.

Dean Sellery is well qualified to prepare the biography of Dr. Birge and the latter's administration. He has served under Dr. Birge as professor of history and succeeded him when the venerable Dean Birge was elevated to the presidency. The two are close personal friends as well as being in close contact in their University work.

Biographies of John Bascom, Thomas C. Chamberlin, Charles K. Adams, Charles R. Van Hise, E. A. Birge, and Glenn Frank are yet to appear in the Alumnus. President Dykstra will conclude the history with an estimate of the present University and a look into the future.

Atom Buster Gets "Tuning Up"!

Clarence Turner, research assistant, adjusts the University's atom-busting equipment inside the huge steel tank, while inset shows Prof. Ray G. Herb inspecting the equipment.



Start New "Blitzkrieg" on Atom!

U. W. Scientists Seek Secrets of Atomic Force

With new equipment designed and assembled by themselves in their campus laboratory, University of Wisconsin physicists recently inaugurated a terrific "blitzkrieg" on the atom, tiny holder of secrets of the third great fundamental force of nature.

The Wisconsin physicists are attempting to pry from the atom, tiniest yet most important object in nature, its secrets concerning nature's third force scientifically called "intra-nuclear" force. The other two forces of nature, now well known to mankind, are gravitational and electrical.

The Wisconsin physicists working on this problem, which if it is ever completely solved, is bound to have far-reaching implications in the field of physics, with possible industrial applications, are Dr. Raymond G. Herb, Clarence M. Turner, Alfred O. Hanson, and Neal D. Crane.

Aiding them in their new assault on the atom is their re-designed and re-built "atom-busting" machine, no larger in external size than the one which they have been using for three years, but which is now capable of delivering a stream of protons at 4,500,000 volts—the highest ever attained for use in atomic disintegration. With their old machine, these scientists could produce a steady voltage of only 2,600,000 volts.

This newly-designed machine, which is developing a voltage almost 1,000,000 volts higher than much larger and more expensive atom busting equipment at other laboratories, has been constructed at a cost of only \$3,000 from funds furnished by the Wisconsin Alumni Research Foundation at the University. The similar atom busting machines at other research centers, still developing a million volts less steady voltage than Wisconsin's have cost more than \$50,000—nearly 20 times as much.

Secret of the increased power of the Wisconsin "atom buster" are its three electrodes, plus an improved design for insulating supports, all housed inside a huge steel tank 20 feet long and five and one-half feet in diameter. Each of these electrodes, in the shape of large aluminum domes, contributes its share in the building up of the huge voltage.

This high steady voltage, now reaching 4,500,000 volts, imparts a velocity of 20,000 miles a second to protons. These protons, which can be considered as tiny electrical bullets, are strongly propelled by the high voltage and are shot at the terrific velocity through a 12-foot molded porcelain tube or proton gun at a target of whatever element is to be disintegrated.

With this improved equipment, the Wisconsin scientists are continuing with increased effort their studies of atomic force, of the forces which hold the nucleus or center of the atom together, which in reality is the same force which holds all matter—the air, you

signed along the same lines as the Badger Boys' State, held annually under the direction of the American Legion, the project will accommodate 125 girls who are juniors in high school.

Study Cramps

A study of the occurrence of cramps while swimming is being made by the Women's Physical Education department and the Department of Physiology of the University of Wisconsin. The purpose of the study is to substantiate or disclaim the general belief that many drownings are attributed to cramps occurring during swimming. An examination of literature has revealed that little real evidence has ever been presented to substantiate this belief.

3rd in Doctoral Theses

Additional proof of the University of Wisconsin's leadership as a graduate research institution was provided recently when a compilation by Dr. E. A. Henry, library director at the University of Cincinnati, revealed that Wisconsin accepted the third largest number of doctoral theses of all American universities during 1939-40. Columbia University had 198 doctoral dissertations, Chicago 163, and Wisconsin 160. The universities of Illinois and Michigan followed Wisconsin.

U. W. Grad President

Lyman E. Jackson, graduate of the University of Wisconsin, has been named president of the South Dakota State College of Agriculture and Mechanical Arts.

first time, that the distance was one-tenth of a millionth of a millionth of an inch.

Other research centers have become interested in Wisconsin's atom buster, and have copied parts of it for their machines. Just what other secrets the Wisconsin researchers will force the atom to give up to them, only time will tell, but with their new high voltage with which to shoot electrical bullets at the core of the atom, their chances of discovery are better than ever.

Already they have put a smaller atom buster machine, which they used in earlier experiments a few years ago, into use as a producer of radioactive materials more useful in many applications than radium itself. By bombarding certain substances with deuterons, the scientists have been able to make the particles of these substances radioactive, and these can then be used in the University's cancer work and in other fields of science.

U. W. 1941-43 Budget Held to Minimum Necessities

Following is the complete statement on the University's 1941-43 budget requests for operating funds made by Regent Michael J. Cleary, Milwaukee, to Gov. Julius P. Heil at the Governor's hearing on the budget early in December:

The Board of Regents of the University of Wisconsin herewith presents its budget request for the biennium July 1, 1941, to June 30th, 1943. The Board and its Finance Committee have had full and helpful cooperation from the President, the Comptroller, the Deans and the Superintendent of Buildings and Grounds in arriving at the conclusions presented in this request.

These requests represent minimum urgent necessities for the biennium. They are based upon the theory that no new or expanded plant, equipment or activities should be provided in departments or sections that are now training more young people than can find proper and satisfying employment. Increased appropriations requested are limited to maintenance of the plant, replacement of essential equipment that is worn out or so obsolete as to be useless and to providing modern facilities for training young people for service in fields that really need and want more technically trained people. These fields are primarily the Dairy Industry, Chemical Engineering and Electrical Engineering. If these provisions are made we will also solve pressing necessities for space in the Home Economics Department and the University Extension Department. More well-trained people in Home Economics are needed. Extension serves thousands of citizens who can't go to Madison for training. Some detail on these items will follow.

Now to be specific as to some of the major items:

1-A. Operations

The amount requested is \$2,522,400 per year. That is the same as the amount provided by the 1939 Legislature for that purpose in the fiscal year July 1, 1939, to June 30th, 1940. This request is conservative—in fact an absolutely minimum requirement.

1-AB. Fuel

The request is for \$105,000 per year, or \$2,447 less than the amount provided for the fiscal year 1939-40.

1-C. Maintenance

The request is for \$237,500 per year. This is an increase of \$71,250 per year over the amount provided in each of the past two years. It represents, however, only a modest portion of the deferred maintenance that has been accumulated over the past ten or more years. It will, if granted, permit us to take care of pressing current maintenance problems, some of which are actually dangerous.

We are conscious of the fact that this deferred maintenance situation has been accumulating for years and is now tossed into the lap of this Administration. While it would be sound business policy to provide for all of it, we do not feel justified in asking that much at this time. Other state institutions no doubt have a similar problem. We accumulated these needs over a period of years and will have to work them out in the same way.

The policy that produced this situation was a false and ultimately an expensive economy. In the interest of real economy, some Administration will have to face the facts and have the courage to initiate a sound, business-like program of maintenance. We hope the present Governor and Legislature will do it.

1-D. Miscellaneous Capital

The request is for \$212,500 per year. This is an increase of \$46,250 per year over the amount provided during the past two years. Here again we have much the same situation as we have in the field of general maintenance. Urgent needs for modern and efficient equipment in shops, laboratories, dairy manufacturing and many other places have been deferred and accumulated over a period of years. What is requested will at least start a rehabilitation program. We can't hope to produce graduates in the skilled or professional fields—such as Engineering, Dairy Manufacturing, Chemistry, etc.—with no equipment or equipment that is worn out or obsolete. The demand for graduates of this type is far in excess of the number produced in some of our departments. Even if we do not produce enough to supply the market we should strive to produce a quality product. To do that we must rehabilitate and modernize a lot of our equipment.

1-R and 1-S. Gaelic and Polish

We are asking for reduced amounts in these two items, \$4,400 a year less in Gaelic and \$4,400 a year less in Polish. The amounts asked will be adequate for the rather small number of students taking the courses.

2-A. University Extension

For the fiscal year 1939-1940 the State provided \$241,450 for this Department. In 1940-1941 this amount was reduced to \$213,750. That amount being wholly inadequate, the Regents transferred \$15,000 from unassigned funds to Extension and authorized the use of another \$15,000 then in Extension's Revolving Fund, making the total for this year \$243,750.

This Department is 61 per cent self-supporting through tuition and fees paid by the people taking its courses by correspondence or by personal attendance at the 333 different night and day classes given in 47 different cities in the State. Its job is to bring an educational opportunity to the thousands of boys and girls, men and women in all parts of the State who want to improve themselves educationally but who do not have time (because they work regular hours) or who do not have the means to go to Madison to get it.

We are requesting for this Department an increase for 1941-42 of \$26,550 over the amount provided by the 1939 Legislature for the fiscal year 1939-40 and an increase of \$54,250 for the year 1942-43 over the amount provided by the Legislature for the year 1940-41. Its revolving fund is exhausted and the Regents will not have free funds to help it as we did this year. The work of this Department is of great importance because it serves twenty-odd thousand ambitious people—youth and adult—each year.

3-A. Agricultural Extension

We request \$91,000 each year for this item, an increase of \$7,305 per year over the amount provided by the 1939 Legislature for the past two years. This is materially less than the amount asked for by the Dean of the College of Agriculture. Much more is needed for the promotion of the work of the 4-H Clubs, Home Demonstration Agents and other useful and constructive work among the farmers of the State. However, we believe the amount asked will maintain the good work now being done and permit some urgently needed additions.

3-T. Potato Research

The 1939 Legislature provided \$10,000 a year for this item. We are advised that the College of Agriculture believes it has developed a potato that will resist the scab and black when cooked, problems that have been serious handicaps in marketing Wisconsin grown potatoes. Plots of ground in various parts of the State must be rented, planted and cultivated to determine whether or not this new potato is really an answer to the problem. For this extension of the research an additional \$8,000 a year is needed and requested.

3-R. Truck Crops

The 1939 Legislature appropriated \$7,125 for each of the last two years for assistance to growers in this field. We are advised that there is an expansion of truck crops growing in the old areas and a

The Badger Quarterly

Lack of Funds Limits Dairy Work at U. W.

Lack of funds limits the University of Wisconsin successors to Dr. Stephen M. Babcock, famous for his test to determine butterfat content of milk, George L. Mooney, secretary of the National Cheese Institute, said at a Babcock club meeting at the College of Agriculture recently.

"Wisconsin has inherited worthy successors to Dr. Babcock, but it is apparent to anyone that the extent of their work is limited by the funds available," Mooney declared.

"The dairy school needs buildings and equipment, and funds for work in the field of nutritional research. We have the personnel, the faculty, the nationally known nutritional experts with the desire and ability to explore the unknown in search of hidden nutritional values in foods in general and dairy products in particular."

No greater message could be sent to the dairy industry of Wisconsin by the 1941 legislature, the speaker asserted, "than the simple statement that there has been appropriated sufficient funds to permit the College of Agriculture and the dairy school to continue its extensive experiments without the handicap of budget limitations."

spreading of the industry into new areas and new products. We have approved of a request of the College of Agriculture for an increase in this item of \$2,875 a year.

Other Items with Specific Appropriations

University Extension Capital is increased \$1,250 and Maintenance is increased \$625. Library School, Branch Stations (Agricultural), Fur Farming Research, Tobacco Research, Apple Research, Game Research, Canning Research, Special Investigations (General Research), Psychiatric Institute, Hygienic Laboratory, State Geologist, and Cancer Research are all recommended for renewal on the same level as that provided by the 1939 Legislature.

Deductions

For the fiscal year 1939-40 there was made available from unexpended balances in 1-A and 1-E funds the sum of \$78,916, and \$26,835 was allotted to the Regents by the Emergency Board. There was an appropriation of \$25,000 for an Agronomy Seed House. The total of these items is \$130,751. These items do not recur in this year's requests.

Comparisons

The amount requested for Operations, Maintenance Miscellaneous Capital, University Extension Agricultural Extension, Truck Crops, all the Researches, general and specific, the Psychiatric Institute and Hygienic Laboratory and other small items totals \$3,870,875. The amount provided for the same items in the fiscal year 1939-40 by the 1939 Legislature totalled \$3,734,392. Our requests total an increase of \$136,483.

In thinking of that increase, however, we must not lose sight of the fact that there was available from the balances above referred to the sum of \$78,916 and from the Emergency Board \$26,835.

Then, too, let us look at the purposes for which major increases are now requested. First there is \$71,250 for maintenance, \$46,250 for Miscellaneous Capital, \$26,550 for University Extension, \$7,305 for Agricultural Extension, \$2,875 for Truck Crop Service, \$8,000 for Potato Research—a total of \$162,230. None of it for expanded activity on the Campus.

So, outside of the above items, our program for the fiscal year 1941-42, compared with that of 1939-40, calls for \$25,747 less than the 1939 Legislature provided for the year 1939-40. We do not contemplate any appeal to the Emergency Board in the absence of a real emergency.

Fiscal Year 1942-43

If we deduct from the requests for this year the increases asked for Maintenance, Miscellaneous Capital, University and Agricultural Extension, Potato Research and Truck Crops, the increase over 1940-41 is only a few thousand dollars and is materially less than the amount available for campus activities in 1939-40. Again showing that our requests for teaching, research, etc., on the Campus are reduced below the level of the grants made by the 1939 Legislature.

UNIVERSITY OF WISCONSIN EDUCATIONAL BUILDINGS BY AGE GROUPS 1920 AND 1940

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Regents Request Urgently Needed Building Construction

Following is the complete statement on the University's 1941-43 budget requests for building funds made by Regent Arthur T. Holmes, La Crosse, to Gov. Julius P. Heil at the Governor's hearing on the budget early in December:

During the ten years 1931 to 1940, both included, the State appropriated or provided through the Emergency Board for new construction on the Campus at Madison the following sums:

1931-32 Vivarium Addition	\$ 10,000
Marine Laboratory	7,500
1932-33 No new construction	
\$7,818 of Vivarium fund returned	
1933-34 None	
1934-35 None	
1935-36 None	
1936-37 None	
1937-38 Agronomy Addition	9,400
1938-39 Heating Station Addition*	45,000
1939-40 Agronomy Addition	25,000
1940-41 Aeronautic Building*	18,000
Less	\$114,900
Net	7,818
*By Emergency Board.	\$107,082

During that time the student population increased from 9,355 in 1931-32 to 12,000 in 1940-41. At the same time, age, wear and tear and obsolescence were taking their toll. Very inadequate amounts were being provided for maintenance. The result is a heavy accumulation of new construction needs.

The wisdom of such a policy may well be questioned. The University is going to be here as long as the State. A program under which necessary plant, equipment and maintenance will be regularly provided would be sound, business-like policy. Deferment does not reduce cost to the tax-payer—in fact it increases it.

We know that this Administration cannot provide for all of the accumulated needs for rehabilitation of existing structures and new construction. We believe it should, in the interest of real economy, initiate a program and provide for part of it during the next two years. We do not suggest new construction in those parts of the institution that are turning out more graduates than can find employment in which their University education can be capitalized.

The two great fields of production on which Wisconsin primarily depends for its income and standard of living are agriculture and manufacturing. Its future will depend on them in an increasing degree. Through their advance we improve the situation of all our citizens regardless of location or vocation. We need and can afford to train an adequate supply of men and women to improve and expand these fields.

Dairy Industry

This industry is the foundation of Wisconsin agriculture. We are not making the best use of our opportunities in this all important field. Our research, experimentation and training of personnel in order to capitalize the State's opportunity must be improved. We have in the College of Agriculture a staff that is at least equal to the best in the country. Our plant and equipment is wholly inadequate and what we have is obsolete in many instances.

Wisconsin makes two-thirds of all the Swiss cheese produced in the United States. We can't make Swiss cheese in our plant at the University. We have no facilities for making the new types of cheese and many of the older types. You can't experiment, demonstrate or teach modern and improved methods in the manufacture of cheese in a lecture room. You must have equipped laboratories. The industry is badly in need of men trained in modern methods of producing, processing, packaging and marketing milk and its various products.

It is not an exaggeration to say that the dairy buildings at the University are a disgrace to the greatest dairy State in the Union. It has been and would now be false economy to let this condition continue. These buildings were constructed a half a century ago. The industry has undergone a revolution in that time. If those who have to make the decision will take time to make an inspection of these buildings I will be willing to let the matter rest with them.

We request \$200,000 with which to construct one new building in the Dairy Industry group in the next two years.

Short Course Boys

Our Short Course or Folk School is unique in this country. There we are training rural leadership in all phases of farming—dairying, live stock raising, general farming and marketing—soil conservation and citizenship. Over 350 boys each year who come from and go back to Wisconsin farms.

The plant in which they live and are largely trained consists of the old sheep barn, the shearing pen and a few of the old frame barracks that were erected at Camp Randall during the World War. These buildings are wholly inadequate and unsuitable, and besides they are dangerous fire traps.

The Governor has been concerned about this situation. We are requesting \$200,000 with which to construct one new building in this group during the next two years.

Engineering

Wisconsin is a great manufacturing state. Engineering leadership of high quality is a basic essential to the successful development and maintenance of an industrial enterprise. Wisconsin engineering graduates of other days occupy outstanding positions in the industrial structure of the nation. Our rank as an engineering school has suffered badly in recent years.

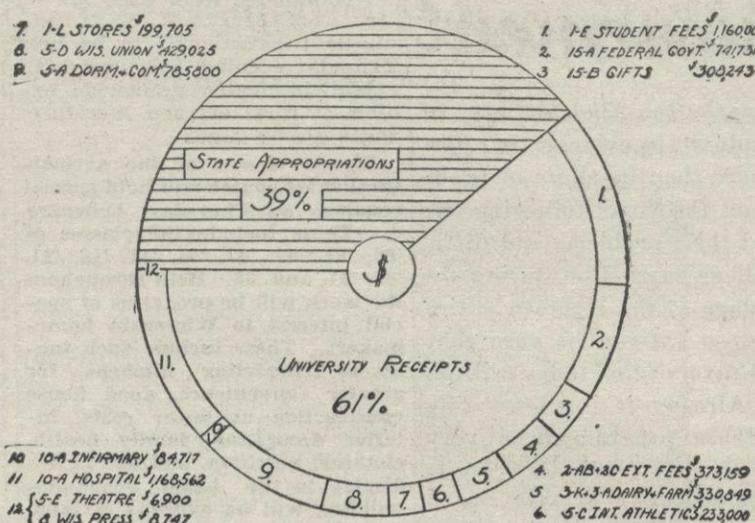
This results largely from our lack of modern facilities with which to keep pace in our training with the rapid changes and advances in the engineering fields. No matter what the capacity of a teaching staff, it can't do a modern job of training under the conditions existing in our Chemical and Electrical Engineering buildings. Words cannot give you a picture of those conditions. You must see it to understand it.

Chemical and electrical engineering are moving at a rapid pace. The two buildings are each over fifty years old. Much of the equipment is antiquated. The laboratories are cramped and unbelievably bad in many respects. Class room space is far below minimum requirements and the students must go to other buildings—some of them far away.

There is a market for well-trained men in these engineering fields. We need them in our Wisconsin industries. We are requesting \$385,000 to construct and equip a Chemical Engineering building. We are also requesting \$573,000 to construct and equip an Electrical Engineering building.

If the request for these two Engineering buildings is granted we will solve a pressing space problem in the Home Economics Department, the University Extension Division, the School of Education and the College of Letters and Science. This will be accomplished by remodeling the interior of the old Chemical

UNIVERSITY OF WISCONSIN HOW THE UNIVERSITY DOLLAR IS RECEIVED 1940-41



Contrary to popular conception, not the entire University budget, but only 39 per cent of it is coming from state funds this year. The remainder of the University's total budget is earned by the University itself, or comes from gifts or from the federal government. And not one cent of the University's income from the state comes from general property taxes.

Engineering building for occupancy by the Extension Division. This will free the space now occupied by the Extension Division, in the Home Economics building and make that space available for Home Economics which must have additional space. In fact, a new wing costing \$180,000 for Home Economics is vigorously urged upon us.

Then we plan to satisfy the current pressing need of the School of Education, the College of Letters and Science and some additional needs of Extension by remodeling the interior of the old Electrical building.

It is the purpose of the Board and the Administration at the University in all new construction to build for utility and durability, having due regard for the surroundings.

Bascom Hall

There are from 1300 to 2600 students in this building at all hours on school days. The interior of the building is combustible. The fire hazard is very great. We request \$75,000 to fireproof the stairways. It is not practical to make the whole building fireproof. This should be done at the earliest possible time.

Safety Devices

For the second year of the biennium we request a continuance of the \$75,000 asked for the Bascom Hall job to provide a portion of the safety devices needed in many other places on the Campus. Many of our buildings are very old and consequently develop hazards that cannot safely be neglected.

U. W. 8th Largest

The University of Wisconsin is the eighth largest university in the nation in its full time enrollment, Dr. Raymond Walters, University of Cincinnati enrollment statistician, announced recently. America's eight largest universities, along with Wisconsin, are California, Minnesota, Columbia, Illinois, Ohio State, New York, and Michigan. Dr. Walters' figures revealed that an all-time peak has been reached in United States college enrollment this year.

Chicago Alumnae Plan Scholarship Lecture

The raising of scholarship money is the chief interest of the Wisconsin Alumnae club of Chicago, according to the president, Elizabeth Johnson Todd. Chief project this year will be the public lecture at the Chicago Woman's club on March 17, when Kathryn Tierney Garten, Wisconsin alumna and professional book reviewer, will come from her home in Indianapolis to give a program. A ticket-selling brigade is now being organized by Mrs. Mildred Sayre, vice president and program chairman. Meetings of the club are held at the Chicago College club, 30 N. Michigan avenue, and alumnae and friends of the University are invited to attend. The regular day is the first Saturday of each month.

Bandmasters to Meet

Several hundred bandmasters from all parts of the nation will come to the University of Wisconsin Feb. 27-March 2 when the State University bands organization will play host to the 12th annual convention of the American Bandmasters' association. The University of Wisconsin student band will play two concerts during the convention, under the direction of some of America's outstanding bandmasters.

On Nutrition Group

Dr. C. A. Elvehjem, University of Wisconsin professor of agricultural chemistry, has been named on a committee on food and nutrition to advise the federal government on the nutritional aspect of national defense it was announced recently.

Regents Tell University Budget Needs

Holding its requests for state funds down to minimum urgent necessities needed to operate the University during the next two years, the University of Wisconsin Board of Regents presented its budget requests for the 1941-43 biennium to Gov. Julius P. Heil at a public hearing in the State Capitol early in December.

The total budget requested for operation of the entire University for each year of the biennium—to provide for teaching and research both on and off the campus, for agricultural extension, for all public services, and for maintenance—is increased only \$136,483 over the amount provided by the 1939 legislature for the first year, 1939-40, of the current biennium.

The State University's budget requests for the 1941-43 biennium, unanimously approved by the Regents, were presented at the governor's hearing by Regents Frank J. Sensenbrenner, Neenah; Michael J. Cleary, Milwaukee; and Arthur T. Holmes, La Crosse. Most of the other Regents of the University were also present at the hearing.

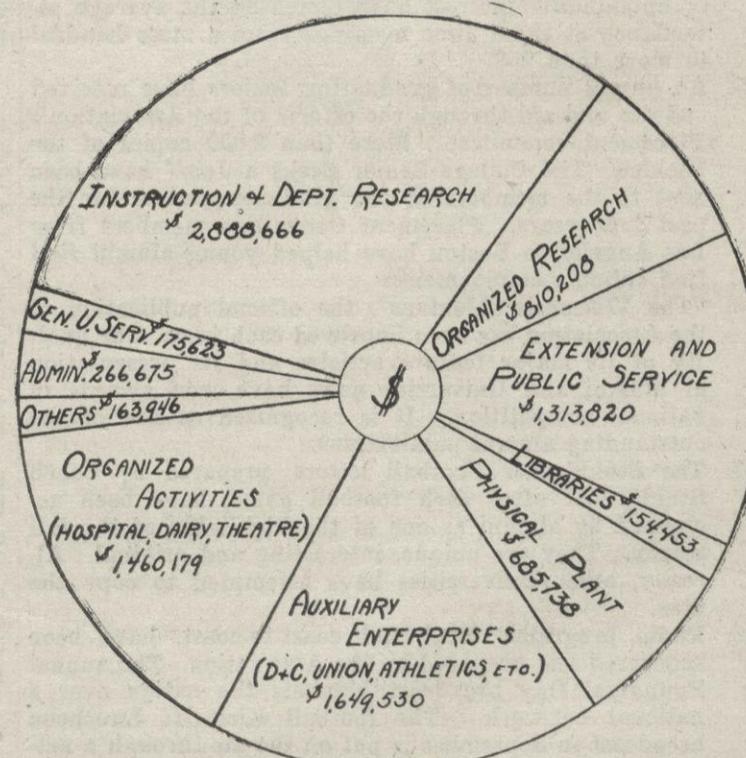
Statements made by Regent Cleary on the operating budget requests, and by Regent Holmes on the building budget requests, are printed in full in this issue of The Quarterly.

At the start of the hearing, Regent Sensenbrenner told Gov. Heil and his aides that "the Regents have approached this budget problem as though we were running our own business and spending our own money." He emphasized that three things which have been neglected at the University during the past two decades were adequate equipment, maintenance, and buildings.

At the close of the hearing Gov. Heil reemphasized his faith in the Board of Regents, and announced that he was going to recommend to the legislature that the budget requests be given the University.

"I am taking the Regents' advice as good business men," the governor said. "I have the greatest faith in you. Let's go forward—let's have the best University in the world. Let's help the young men and women who go to school. What is the value of the University of Wisconsin if we haven't got the buildings and equipment to do a decent job? I am going to recommend to the legislature that we give the University the money for these buildings."

UNIVERSITY OF WISCONSIN HOW THE UNIVERSITY DOLLAR IS DISBURSED 1940-41



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

Behind Us...92 Years...Ahead...Another Year of Achievement

Founders' Day, February 5th, marks the 92nd birthday of the University of Wisconsin. Already it is evident that the year just beginning brings with it more than its share of problems, but as we look back to 1849 and the years following, we realize that our predecessors also had their problems and difficulties. Just as the little pioneer college carried on during the turbulent days of the eighteen fifties and sixties, so we can be sure that the great University of today will do its part. Already it is cooperating in the defense program in a very tangible way. President Dykstra is head of the Selective Service Board at Washington. A thorough survey of all campus agencies available to assist in the defense program has been prepared and forwarded to Washington.



MR. BULLIS In the days ahead many new demands will be made upon the University in mobilizing the state's resources, in training men and women for specific work in the program of national defense, and generally in helping make our country a nation strong within itself.

For Wisconsin this is destined to be a year of great achievement. Graduates of the University will want to keep in touch with all that is happening on the campus at Madison and in University-sponsored activities throughout the state. The Wisconsin Alumni Association offers you a splendid opportunity to maintain your contacts with your University and also to help directly in its program of service.

Your Alumni Association is dedicated to this six-point program of achievement:

1. To cooperate in maintaining Wisconsin's leadership among American universities.
2. To assist in securing every reasonable financial support that the needs of the University require.
3. To support the administration of the University in carrying out its educational policies and programs of expansion.
4. To develop a citizenry adequately and correctly informed regarding University affairs.
5. To campaign aggressively for an increasingly virile and effective Association.
6. To assist graduates to become satisfactorily adjusted to the business and professional world upon completion of their University careers.

Now, what has the Alumni Association actually accomplished toward these objectives? What is the progress to date in making that platform work?

1. Fourteen thousand dollars in scholarship funds were made available to University students last year through the efforts of the Association.
2. Under the supervision of the Association the vital records of more than 105,000 alumni and former students have been brought up to date and properly recorded in the alumni records office.
3. The number of alumni clubs has increased some 600 per cent! There are now 78 active alumni clubs stretching from New York City to the Philippines.
4. A program of adult education has been presented in the five annual Alumni Institutes. Speakers and topics of outstanding interest have increased the average attendance at these June meetings from a mere handful to more than 250.
5. An untold number of graduating seniors have received advice and aid through the efforts of the Association's Placement committee. More than 2,000 copies of the booklet, "The College Senior Seeks a Job," have been sent to the members of the graduating class for the past four years. Placement Committee members from Los Angeles to Boston have helped young alumni find find suitable employment.
6. "The Wisconsin Alumnus," the official publication of the Association has been improved each year. The quality of its major feature articles and its presentation of alumni and University news have won awards in national competition. It is recognized as one of the outstanding alumni publications.
7. The Stuhldreher Football letters, prepared by Coach Stuhldreher after each football game, have been acclaimed by alumni as one of the highlights of the fall season. They are unique, interesting and original. Already, other Universities have attempted to copy the idea.
8. Radio programs, local and coast-to-coast, have been sponsored and prepared by the Association. The annual Founders' Day broadcast blankets the nation over a national net-work. The football Kick-Off Luncheon broadcast in September is put on the air through a network of 14 state stations. Vital University information is disseminated over the entire state in the weekly broadcasts on Wisconsin stations. The Association sponsors and prepares one of these broadcasts each month.
9. President Howard Greene and Executive Secretary A. John Berge are providing dynamic and intelligent leadership for the Association.

President Dykstra has termed the Alumni Association the

Farm-HomeWeek-

(Continued from Page 1)

"Little International" to be held Thursday evening, February 6; an exhibit of quality grains; an exhibit of rural art and literature; and a drama clinic.

Eleven classes of the agricultural short course will hold special reunions on Thursday, February 6. These include the classes of '86, '91, '96, '01, '06, '11, '16, '21, '26, '31, and '36. Held throughout the week will be programs of special interest to Wisconsin home-makers. These include such topics as remodeling kitchens for greater convenience, good house construction at lower costs, interior decorating, family health, clothing, nutrition, and others. On display in the home economics building will be exhibits of table settings and color schemes, needlework, homemade mattresses, farm women's handicraft, and other exhibits.

Among the national leaders who will address farm week visitors will be President Clarence A. Dykstra, now serving as national draft administrator. He will address the rural young people of Wisconsin on their youth day program, Thursday, February 6, on, "Youth and Service in a Democracy." Other features of the rural youth program will be round table discussions on opportunities for rural youth; a recreation hour including folk games and folk dancing; and a tour of the university campus. Concluding the youth day program will be the "Little International," held at the university stock pavilion. Chosen to preside over this annual student livestock classic is Miss Ruby Kutz, junior, from Alma Center. Attending her as her court of honor will be Miss Beulah Hoeft, Antigo; Miss Rachel Weirich, Baraboo; and Miss Verna Schroeder, Waukesha.

Sectional conferences will cover a wide range of topics. Included will be those on farm housing and building, soils, poultry, cooperatives, farm crops, livestock, home economics, veterinary science, farm forestry, dairying, farm orchards, plant diseases, and others. Several thousand people are expected to gather from all parts of the state for this annual get-together conference.

the Association can give real support to the University is determined largely by the number of its members. The membership of the Association has increased from less than 2,500 four years ago to 6,000 today, but even now less than one tenth of those eligible are members of the Association. Think of that: less than ten per cent of the graduates reading this issue of the Quarterly are members!

We can so easily make 1941 the Year of Great Achievement—but only if we gain many additional members who are willing, by the regular payment of dues, to add their support to the Association and to the University. The dues are four dollars a year, except for the first five years after graduation, during which time an intermediate membership is available at two dollars a year. This intermediate membership has brought into our ranks an increasing number of younger members whom we are confident will continue with us on the regular basis as they become better acquainted with our activities and services. However, the Association loses money on these two-dollar memberships; so a sustaining membership, at ten dollars per year, has been created, and is being taken by an increasingly large number of loyal alumni each year.

I cannot emphasize too strongly the need of our Association for a larger membership. Additional members are essential to the continuance of the progress made during recent years. Any association such as ours cannot stand still; it must either march forward or slip backward. Increased membership represents a decisive move forward. There is a special need for rallying our alumni to the University's support at the present time, when conditions are so unsettled and unusually difficult for all educational institutions. Today, when there is a very proper tendency to put more emphasis on defense activities, it's so easy to put too little emphasis on the needs and activities of our University! Therefore, we need the moral backing and the financial support of every loyal alumnus.

Your University and your Association are asking for your help in these difficult times! Regardless of the type of membership you take, we welcome it, we ask you for it, yes, we even plead with you to let us have it, and have it NOW!

Take advantage of this opportunity to have a part in the ninety-second Birthday Celebration of the University of Wisconsin by clipping the coupon in the next column and sending it with your check to the Wisconsin Alumni Association, 770 Langdon Street, Madison, Wisconsin.

Think of this, then act. Only one thing—increased membership—is all we need to make this 92nd birthday year the Year of Great Achievement!

Harry A. Bullis

For \$50 Today--A Leader of the Future!

Some of America's leaders of tomorrow are being trained on the University of Wisconsin campus today—1941's boys and girls will be the men and women of the coming generation to whom America and the rest of the world will look with eager anticipation, seeking an answer to the ills of a turmoil-infested world.

But not all of the capable leaders of tomorrow are going to be able to finish their much needed University education. There will be some who will be forced to put aside their educational climb before the top rung of the ladder has been reached. And all because there are insufficient funds for adequate cash scholarships to help them over the hump of inadequate financial backing.

Take the cases of three students who would have been forced to withdraw from the University had not scholarship funds been made available to them. Case A is a junior girl in education. She was valedictorian of her high school class, had a straight "A" record for three years in the University, elected a Junior Phi Beta Kappa. She's been active in dramatics and forensics. One faculty member described her as "one of the most capable young women in her class." This young lady may someday teach your son or daughter—but only a cash scholarship made possible this leader of tomorrow.

Case B is a young man in engineering, a sophomore. He has a 2.95 scholastic record. He's married, having worked for a number of years in a canning factory. He wanted an education—he had leadership abilities and refused to be downed by adversity. He has become an outstanding student in electrical engineering. Who knows what contributions he may make to the general welfare of all of us? But it was a cash scholarship that made his needed training possible.

Then there's the case of C, an engineering student. He has a 2.95 scholastic record. He's married, having worked for a number of years in a canning factory. He wanted an education—he had leadership abilities and refused to be downed by adversity. He has become an outstanding student in electrical engineering. Who knows what contributions he may make to the general welfare of all of us? But it was a cash scholarship that made his needed training possible.

which gave blanket permission to the committee to work out all details for the campaign to raise sufficient funds to establish the memorial.

The committee reports that a fund of not less than \$10,000 will be solicited. Alumni of all ages, classes, and localities will be contacted. Within a week or two, a general chairman will be appointed to head the drive for funds. In addition to the regular scholarship committee, a nation-wide committee of alumni friends of Dr. Frank and alumni club officers will be named. Interested individuals may give their contributions to members of this committee or may send them directly to the Wisconsin Alumni Association offices at 700 Langdon Street, Madison.

According to present plans the fund will be available to seniors of the University in any undergraduate department on the three-fold basis of scholarship, financial need, and personality.

The fund may be disbursed over a three-year period in roughly equal amounts each year, varying according to the University scholarship committee's discretion from \$40 to \$250 for each scholarship. There would be a moral understanding with the recipient of the scholarship that an equal amount would be contributed to the fund as soon as the individual's earning capacity justified such contribution.

Friends of the late Glenn Frank are high in their praise for the scholarship fund idea. Alumni Association officials are backing the plan to the fullest extent. They also call attention to the fact that this fund is but one of many to which alumni may contribute.

"Any alumnus, or group of alumni can contribute to this or any other scholarship fund," stated A. John Berge, general secretary of this Association. "Individuals and clubs may set up their own funds if they so wish. We will be most happy to accept all scholarship funds, large or small, which alumni may wish to contribute. The really important thing is to establish as many cash scholarships as possible so that more deserving students can be benefited by them."

To Aid U.S. Aviation Supremacy U. W. Men Seek Better Production of Super Gas

Improved production of better quality super-high-test gasoline for airplane motors at less cost is the aim of experiments now being conducted in a chemical engineering research laboratory at the University of Wisconsin.

Under the supervision of Prof. Olaf A. Hougen, head of the chemical engineering department, the experiments along with innumerable tests are being conducted in the cramped quarters of a small room in the basement of the State University's chemical engineering building. The design and construction of the elaborate experimental equipment have been accomplished by Instructor Charles A. Rowe and a graduate student, Nils K. Andersen. These men are being assisted this year in experimental work by Ralph Beckmann and Alfred E. Pufahl, graduates in chemical engineering from Illinois.

Production of the super-high-test gasoline, known as high-octane or 100-octane gas, is not new, Professor Hougen explained. But improvements in the process of manufacturing it, resulting in a better, more uniform quality at a much lower cost, would be a great boon to aviation especially during wartime," he said.

High octane gas is all "tailor-made," Professor Hougen explained. It is produced by polymerizing waste refinery gases resulting from the cracking of petroleum. This polymerized product is hydrogenated, and the finished product then becomes high test gas of 100 octane.

Production of the 100-octane gas is now twice as expensive as the present regular 70-octane gas which is used in most automobiles. 90-octane gas is now ordinarily used in planes. If production costs of the super-high-test gasoline can be reduced it would tend to change considerably modern engine design.

In the case of airplane motors, the higher octane gas would make possible the use of lighter motors, giving them correspondingly wider cruising distances, or in wartime it would permit the carrying of heavier loads of bombs. Prof. Hougen revealed that German engineers are now unable to produce gasoline above 85 octane, and thus their load of cruising distance is reduced about one-third under that attained in American aviation.

In conducting their experiments and tests, the Wisconsin engineers are using highly complicated equipment because of the many variables which must be studied and controlled. They must constantly control and study the effects of temperature, pressure, mixture proportions of oil and hydrogen used, tube diameters, and shape of catalysts. The catalysts used consist of small clay pellets impregnated with nickel. Through this the vaporized oil and hydrogen are pumped.

The catalysts are contained in a metal tube one inch in diameter and four feet long, enclosed in an electrically heated tube furnace. The oil and hydrogen are forced through the tube of catalysts at the same time, under pressure of about 500 pounds per square inch and at temperatures up to 700 degrees Fahrenheit. Under the influence of high pressure, high temperature and catalysts the oil vapors are transformed to the super-high-test 100-octane gasoline.

Dr. Gustav Egloff, foremost petroleum engineer in the United States, has stated that the University of Wisconsin equipment is the best devised for the purpose anywhere in the country.

How to produce this super-gasoline of uniform high quality at less cost is the problem these Wisconsin scientist-engineers have tackled. If they solve it, their efforts may have far-reaching effects on the automobile and airplane motor design of tomorrow. And their work may also help to make American aviation defense more secure—a factor which must be placed foremost in these days of war and the need for air supremacy.

Committee Helps to Run University

A committee of three administrative officials has been helping to conduct the administration of the University of Wisconsin during periods when Pres. C. A. Dykstra has been away from the campus serving as director of the national selective service law for the federal government.

The regents loaned Pres. Dykstra to the federal government for the administration of the national draft law, and then named the committee to help administer the University during periods of the president's absence from the campus. Pres. Dykstra has returned to the campus frequently for several days at a time to attend to University matters.

Members of the administrative committee are: A. W. Peterson, University comptroller; and Deans George C. Sellery of the college of letters and science and E. B. Fred of the Graduate school.

Stuhldreher Gets Football Back; Sons Fight for It!

Medals, pins, and other college memoirs have a curious way of getting lost in post graduate life, but when they turn up again after being lost for years, they have twice as much value. You can take the word of the University of Wisconsin Athletic Director, Harry Stuhldreher, for this.

Some time ago Stuhldreher lost a gold football some place south of the Mason-Dixon line—where, he was not just sure. He had given it up for lost and resigned himself to wearing a watch chain sans a medal until recently when he received a letter from an Opelika, Alabama, woman who stated that her butler had found the medal several years ago.

However, not being a good football fan, she did not know where the Badger coach was located until

Nine Gifts Aid Scholarship, Science Funds

A total of \$43,758 in gifts and grants to provide for research work and for scholarships to aid needy and deserving students was accepted by the University of Wisconsin Board of Regents at its recent meeting.

Most of the funds came from the Wisconsin Alumni Research Foundation to provide for research work on the campus. Of the total, the Foundation gave \$25,000 to provide for research assistants during 1941-42, and \$15,000 as its 1941-42 allotment toward a three-year plan for professorial research.

Other gifts and grants accepted by the Regents included: \$750 from the DuPont co., of Delaware, for the continuation of the DuPont post graduate fellowship for 1941-42; \$1,200 from Ely Lilly and co., of Indianapolis, Ind., for the study of vitamin B content of foodstuffs under the supervision of Prof. Conrad Elvehjem; \$1,000 from the Solvay Sales corp., for studies on a process of treating clays in the College of Engineering;

\$750 from the Wisconsin Alumni club of Madison for establishment of a scholarship; an anonymous gift of \$29 as a further contribution to a scholarship fund; \$13 from the Rockford, Ill., alumni club to be added to a scholarship fund; and \$16 from the Wisconsin Alumni association for scholarship fund.

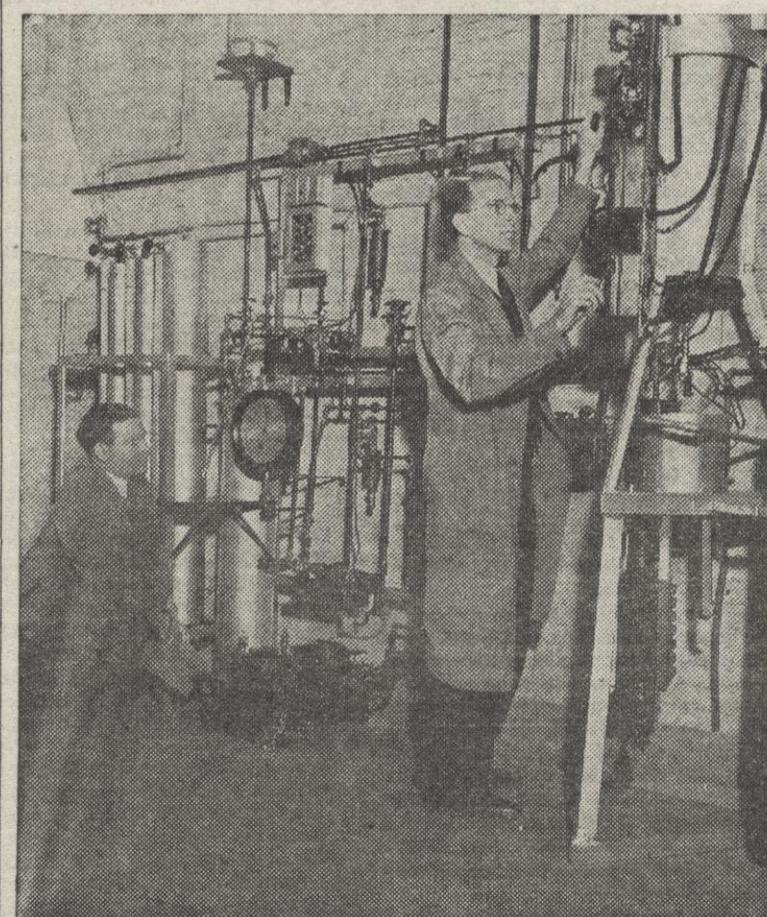
Faculty Resolution Honors Glenn Frank

A memorial resolution in honor of the late Dr. Glenn Frank, president of the University from 1925 to 1937, was adopted by the University of Wisconsin faculty at a recent meeting. The resolution, presented to the faculty by a special committee composed of Profs. Noble Clark, John D. Hicks, and Farrington Daniels, chairman, praised Dr. Frank for his "keen intelligence, his devotion to principle, and his charming personality," and for his ability as an administrator.

she heard a radio version of "The Life of Knute Rockne."

Now the trophy has finally come home to the Stuhldreher household. But still not to rest. Harry's own "Four Horsemen," ranging from 10 to three, daily battle for the privilege of wearing the long lost gold football.

Work on Super-Gas



Charles A. Rowe, instructor in chemical engineering, kneels to watch a gauge as his co-worker, Nils Andersen, manipulates the pressure in the University's super-gas manufacturing equipment. The two young scientists are seeking better, more economical methods to produce 100-octane gasoline.

Let Us Think, Act in Line With Our American Heritage

I write to you this time from the desk of the Director of Selective Service in Washington. If this were Friday instead of Monday I would be at the President's desk in Madison. For the president is almost a commuter these days trying to keep in touch with his responsibilities on the campus and maintaining constantly his obligations to the nation.

Our University is playing its part in national defense both in contributing personnel at strategic national spots and in carrying on essential research work on national projects. Furthermore, it is in the training business as well—a most important service when defense is technical and must have many varieties of skills.

We live in a critical time in world history. We are making national decisions of utmost importance. We differ with each other as to what we ought to do and just when. An overwhelming majority of Americans who differ, even widely, do so with the utmost honesty and sincerity. We of the universities who are committed to the search for truth have special responsibilities in such days. We must maintain our balance and defend the freedom to differ intellectually. A democracy needs its differences of opinion so long as these differences do not prevent the possibility of needed action. There is a time for debate and a time for action.

Let us as citizens everywhere be a bit wary of charge and counter charge so characteristic in times of tension and stress. Our right to hold our opinions is a precious right. Meanwhile we have the concurrent obligation to serve the nation positively and constructively. These things university people understand. We know that no human being has a monopoly of truth. We keep in mind, therefore, the fundamental tenet of university obligation—the sifting and winnowing to which we are dedicated.

And so, as we struggle for national unity in a time that requires faith, let us think and act in character with our great American heritage.

By Again

Second Only to Seeing Game Stuhldreher Grid Letters Are "Tops," Alumni Say

The Stuhldreher Football Letters, published after each Wisconsin game during the fall season, were given an enthusiastic vote of confidence by 95 per cent of the Wisconsin Alumni Association members who replied to a recent questionnaire.

Near the close of the past season, Alumni Association officials wondered what the true demand might be for this service. Enclosed in the final letter covering the Minnesota game was a return post card on which alumni readers were asked to indicate

whether they desired the letter continued or not. More than 1500 cards flooded the Association offices. More are trickling in with each week's mail.

Of those replying, 94.6 per cent voted in favor of continuance of the letters. Typical of the comments contained on the cards are these:

"The football letters are tops."
"They make the season great in spite of scores."

"They're second only to seeing the game."

"They're very interesting even after seeing the game."

"Our two boys read them too, and have learned a lot about good sportsmanship from Coach Stuhldreher."

"Eight people in my office read them."

"You bet! I'll eat more Wheaties if necessary." (A "Wheaties" advertisement helps defray the cost of the letters.)

"To me these letters are worth the \$4 membership fee alone."

"I'll be glad to pay an additional sum for them."

For the most part the "No's" were from individuals who admitted they had no interest in football, were too "old," or who lived so close to Madison that they gained most of their information from the daily press.



Typical, for instance, were these comments:

"They're well written, but I'm not interested in football."

"I read it in the daily paper."

"I am too old to follow the football team these days."

There can be little doubt now in the minds of the Association officials that the continued publication of these letters during the 1941 season is practically mandatory.

These football letters, published for the past five years, are but one of the many new services developed by the Alumni Association to bridge the gap between the campus and the far-flung University alumni. They occupy an important position alongside of the Wisconsin Alumnus, the Badger Quarterly, the special bulletins, the radio broadcasts, local and nation-wide. Association members are annually getting more and more for their membership dues.

YMCA Director at U. W. Honored

Nearly 150 University of Wisconsin faculty members, students, alumni, and lifelong friends gathered in the Memorial Union building on the State University campus recently to pay tribute to C. V. Hibbard, who for 16 years has been general secretary of the Young Men's Christian association at the State University.

Among those who paid tribute to Mr. Hibbard for his lifetime of service to the YMCA and for his many years of service to Wisconsin students was Frank O. Holt, dean of the University Extension division.

His integrity and character have impressed us here on the campus and all over the state during his stay here. His moral and spiritual poise has contributed greatly to the life of students on the campus. His optimistic faith in youth has made it possible for him to successfully lead those whom he trusts and in whom he has faith."

In Spite of Wintry Blasts Alumni Begin Planning Early for '41 Reunions

January's wintry blasts may not be conducive to thoughts of June reunions, but the fact remains that before long at least ten alumni classes will be in the throes of plans for the 1941 get-togethers to be held on June 20 and 21.

Heading the 1941 list will be the class of 1891, under the leadership of Leyerett C. Wheeler of Milwaukee, which will come back to the campus to celebrate its Golden Jubilee. The Class of 1916, under the guidance of Dr. Arnold Jackson of Madison, will be the Silver anniversary class this year.

Other classes scheduled to reunite in June are 1886, 1896, 1901, 1906, 1911, 1921, 1926, 1931, and 1936 under the regular five-year plan for reunions. 1928, 1929, and 1930 are also scheduled to reunite under the so-called Dix plan of reunions. In all probability, not all of these classes will reunite. Further announcements will be made in the March issue of *The Quarterly*.

'91 to Celebrate 50th Birthday

The Class of 1891 will return to the Campus next June to celebrate its 50th anniversary of graduation, according to a recent announcement made by Leverett C. Wheeler, '91's president.

Graduates, non-graduates, wives and children of members of 1891 are all invited. No distinction is made between graduates and non-graduates, says Mr. Wheeler, "once a classmate, always a classmate." Wives and children of deceased classmates are considered as honorary members of the class and are urged to attend.

Dr. E. H. Ochsner, 2155 Cleveland Ave., Chicago, has been appointed secretary of 1891 in place of the late Mrs. Olive Baker Befefel.

To Class of 1901: Come Back in June!

Our eighth quinquennial is to be celebrated in June of 1941! Forty years has been a life-time to many of our members, and it has brought problems of various degrees of intensity to all of us.

We have gone up and down the hills and valleys of the economic charts, and we have gone through the wars of a world we thought was finally civilized when we graduated. What we all need now, more than anything else, is to get back to the campus that gave us our fun and our inspiration "way back when."

"Ought-one" will be in the lime-light, almost at the head of the procession as we march in to the Alumni Banquet. Some of you have been back before, but too many have not. Others besides yourself will be gray, or bald, or rotund. Don't mind that. Just come back and see the rest of us and try to help us renew some of the old time spirit. We need you! Let's have a fine crowd out!

L. H. Tracy
Last Class President of 1901

1916 Will Hold 25th Reunion Next June

Sixteeners! All Out!

Just six more months before that familiar old battle cry,

"Hit 'em with bricks
Hit 'em with sticks
Varsity, Varsity
One and Six"

will roll across the campus and echo out across Lake Mendota. This will be our great twenty-fifth reunion; the one you have been looking forward to all these years. It may be a case of now or never, so start making your plans to bring the family back and show them Madison and the old school in all the glory of beautiful June.

Those of you who were fortunate enough to return for fifth, tenth and the other reunions will remember the happy times we had and will be sure to return. Many of the rest of you who could not come back because of hard times or because you could not leave the family will have no alibi this year.

Just to get the ball rolling, will every loyal sixteener write me a letter about himself or herself and plans for returning? Abstracts from these letters will be published in this column or elsewhere and I will try to answer your questions about reunion.

To put the old drive behind this comeback, we are asking a few of our "big shots" to pep up the reunion in their localities, here they are: General Chairman, Milton Findorff, Madison. Assistant Chairman, William Cargill, Madison; Al Kessenich, Twin

1906: Make Reunion Resolution Now!

"In the good old summer time!" Comes our class reunion time! Yes, it's June 21, 1941. So among your good resolutions, please include the resolve (i. e. determination, fixity of purpose, etc.) to attend our class reunion. Do you remember the "big tent" we had on the lower campus for our fifth anniversary reunion? That was a little strenuous. Nothing like that, of course, can be considered for our 1941 minus 1906 equals still pretty young, anniversary. Come along!

O. L. Kowalke

Class of 1929 Plans Third Reunion

The Class of 1929 is scheduled to hold its third reunion in June, 1941. Those who attended in 1932 and in 1936 will need no further urging. Those who have not attended our reunions do not know how much fun they have missed, and I would like to have everyone make his plans to be in Madison in June. You will be notified from time to time as further arrangements are made.

Wallace M. Jensen
President

Class of '28: Mark Your Calendar Now!

Adhering to the Dix Plan of class reunions, the Class of 1928 will come back to the campus next June to celebrate its third reunion. Classes scheduled to reunite in the group with 1928 are 1929, 1930, 1931. Those who came back for the other reunions know the fun there is in store. Those who haven't been back in the past should mark their calendars for June 21 as one date not to be missed. We'll be looking for you in June.

Harry Thoma
President, Class of 1928

Cities; Dr. Meredith Campbell, chairman for New York City and his assistants Crawford Wheeler and Harry Benedict; Howard Potter, chairman for Chicago and his assistant Dr. Clark Finnerud; George Levis, chairman for Milwaukee and his assistants Bill Goldie and Chuck Dunn; Lynnwood Smith, Kansas City; Loren MacQueen, Akron; Dr. Thomas Noble, Indianapolis; Al Powell, the Dakotas (that's a lot of ground to cover, Al); Margaret Wahl Barber, U. S. Embassy, Havana, Cuba and all points East; Hanna Poppe Bingham, Milwaukee; Edith Sharkey Bohn, Atlanta; Vera Park Brainerd, Chairman, Janesville; George E. Booth, Samuel A. Marsh, and Herman T. Pott, St. Louis;

Madeline Mathews Dennis, Tacoma (Washington); Eloise Severt Eager, Evansville, Wisconsin; Robert Frawley, South Orange, New Jersey; Marion Luce Govan, Chicago; Robert Grant, Chicago; Esther Mansfield Gross, Milwaukee; Melvin Hass, Chairman, Los Angeles, California; Raymond Jameson, Washington, D. C.; Anita Pleuss Nelson, Oconomowoc, Wisconsin; Marion (Hello Peggy) O'Neil, Patterson, New Jersey; Lucile Pritchard, Winnetka, Illinois; Jessie Bosshard Maurer, Madison; Daniel Spohn, Goshen, Indiana; Howard Van Auken, San Antonio, Texas; George Ruder, Wausau; Frank Morris, Des Moines; Otis Hoffman, Watertown, Wisconsin; Arthur Prussing, Evanston, Illinois; Leo Cummings, La Crosse; Paul McMaster, Billings, Montana; Edwin Andrew, Cleveland; Gertrude Leland Chapman, Detroit; Dr. Jacob Henken, Racine; Dr. Hart Stang, Eau Claire.

Made Lab Possible



MICHAEL W. MCARDLE

Here is a photograph of the late Michael W. McArdle, Chicago industrialist, whose gift to the University of Wisconsin several years ago made possible the construction of the McArdle Memorial Cancer Research laboratory on the campus. Included in the gift was a number of shares of stock, then valued at \$5,580, in the Chicago firm of which Mr. McArdle was president. During the last few years the value of the stock increased almost twenty-fold to about \$100,000, and its sale at an opportune time gave the University the funds which, added to a PWA grant, made possible the construction of the great humanitarian research center. This photo is from a portrait which was recently given to the University to be hung in the McArdle Memorial building.

Alumni Again Print Senior Job Booklet

More than 1800 members of the Senior class at the University will soon receive copies of "The College Senior Seeks a Job," presented to them with the compliments of the Alumni Association.

The booklet, now in its fourth year of publication, has been completely revised to meet the changing conditions of the employment field. Its author, Glenn L. Gardner, '18, is an outstanding authority on personnel and placement problems. He has added much new material to his already interesting survey on how to get a job, and his readers will find his suggestions to be more helpful than ever. The booklet is designed to give the graduating senior some valuable aids in preparing himself for a job and in actually applying for a job, whether by interview or letter.

The demand for the booklet has increased throughout the four years of its publication. High school principals, employment agencies, college personnel agencies as well as business men have requested copies of the booklets. In some instances the demand was so great that special reprints had to be made.

The publication of "The College Senior Seeks a Job" is sponsored by the Placement Committee of the Alumni Association under the chairmanship of John S. Lord of Chicago.

Here is the idea—obviously no one person or any committee can make this reunion a success, it will require a little help from **EVERY MEMBER** of the class. While most of us have scattered far and wide, the majority are in calling distance of the above committee. By writing to the Alumni office, you can learn the names and addresses of those classmates in your locality.

On Sunday afternoon, at 3 o'clock, February 9, arrange a meeting of all members of the class in your locality and make plans for reunion. Send us reports of these meetings.

Arnold S. Jackson
Class President

Medical Library

(Continued from Page 1)

Temporarily this collection will be carefully guarded in a locked storeroom of the medical school, pending completion of the medical building. Then it will be moved into a room unique among medical libraries of American universities—an exact copy of Dr. Miller's library, drawn from blueprints of the original room where the famous medical history seminars were held. The deep bay windows, the generous fireplace and the bookshelves extending from floor to ceiling on three walls will be faithfully reproduced.

♦ ♦ ♦

All the furniture and ornaments of the doctor's library have been given to the University by Dr. Miller's widow, including the 100-year-old window curtains made from old-fashioned counterpanes belonging to his mother. The room will be open only to students with special permission to study the treasures on the bookshelves. Here once a month the men who were members of the history seminar will gather to continue, "in spirit as in fact," the famous discussion which Dr. Miller led for 30 years.

"It is most appropriate that the priceless collection of one of Wisconsin's great men of medicine should be sheltered at the University where he taught for 48 years," Dean William S. Middleton of the Medical school declared as final negotiations for the books were completed. "We believe that Dr. Miller himself would have wanted his beloved books to become the property of the state where he had lived so long."

It is understood that numerous other midwestern universities bid for the collection.

♦ ♦ ♦

The gem of the collection is a copy of the first edition of Vesalius' Anatomy, a great tome in yellowed vellum, printed in 1543, and a second edition of the same book, printed in 1545. Both copies are worth several thousand dollars and are in only a very few collections. There are the works of Malpighi, Hippocrates, Fabricius, Fallopius, Harvey and Paracelsus, all sixteenth century medical men, bound in hand tooled leather and vellum, yellowed and scarred by the handling of nearly four centuries. There are quaint tiny volumes and one vast book measuring almost three feet by two feet.

Dr. Miller was world famous for his researches in anatomy. His library represents perhaps the most complete collection of books on anatomy in the country. It contains the finest collection of original manuscripts, letters and other papers of Dr. William Beaumont, military surgeon of old Fort Crawford at Prairie du Chien, Wis., who pioneered in research on the digestive system. The early papers of the La Crosse Medical society, dating from the period when Wisconsin was still a territory, are an important part of the library.

But to many a graduate of the University medical school, the most interesting feature of the collection will be the bound volumes of papers presented by students in the medical history seminar. Many of the papers were the nucleus of later books and of articles which have appeared in the *American Medical Journal*.

♦ ♦ ♦

The story of Dr. Miller's seminar is a chapter in the history of the University medical school. An invitation to join the seminar was considered one of the highest honors a student could receive. It began in 1909, when Dr. Miller invited a group of students to his home and proposed an informal seminar to study medical history, the first ever to be held in that subject.

Thereafter every other Wednesday night, promptly at 8 o'clock, a little group of 9 to 12 students gathered in the doctor's library. Under his guidance the discussion would be held. Each student was required to present one paper during the year on a phase of medical history, the choice being left to him. The papers were read aloud to the group, followed by discussion. At the end of the year they were bound and presented to the doctor for his library.

Urge Alumnito Help In New Member Drive

Alumni clubs far and near are being urged to partake in a Founders' Day membership campaign according to a recent announcement by Walter Malzahn, '19, chairman of the Association's alumni club membership committee. The campaigns will be held in connection with the annual Founders' Day celebration in February.

"We have found that there are many alumni who are willing to contribute one day's services to the Association for this purpose of increasing membership," stated Malzahn, "and we hope that many of our clubs will organize intensive campaigns. The idea of the one-day campaign is to make the job easy for everybody. Everyone can and should take off one day a year to help in the upbuilding of the Association so that it can become an even greater and stronger 'right arm' of the University."

Special awards will be made to the club officers or membership chairmen who conduct successful campaigns. In order that small clubs may compete on an equal basis with the larger clubs, these awards will be granted solely on "a job well done." In other words, it isn't necessary for your club to win out over all the other clubs in order to win a prize. Awards will be based on the percentage of increase in membership in your club.

Increased membership will make it possible for the Association to expand its present services and develop new ones. Increased membership will make the Wisconsin Alumni Association increasingly more helpful to the University. The vital placement activities can be expanded and improved. The work of the state relations committee can be widened in scope. Radio broadcasts can be increased and enlarged. Alumni club activities can be further aided. Increased membership will make the services of the Association more valuable to everyone affiliated with the University.

U. of W. Booklet Honors Dr. Birge

A commemorative booklet honoring Dr. Edward A. Birge, president-emeritus of the University of Wisconsin, and including the addresses given at the hydrobiology symposium dinner for him last September, was published recently by the University Press.

The 48-page booklet, with a frontpiece picture of Dr. Birge autographed by him personally, honors the former University president, for his "contributions to the science of limnology." The dinner also was held on Dr. Birge's 89th birthday anniversary.

In the book are the talks by Pres. C. A. Dykstra; M. J. Cleary, Milwaukee, representing the Board of Regents; Dean Harry L. Russell, director of the Wisconsin Alumni Research Foundation; Dean George C. Sellery, of the college of letters and science; Gen. Ralph M. Immell, reading the tribute of Martin J. Gillen, and Dr. Birge's answering address.

Badger Daily Papers Set Up Loan Fund

A substantial student loan fund for both men and women students in the School of Journalism of the University of Wisconsin has been established by the Wisconsin Daily Newspaper League. The fund was started by a check for \$100 last fall, and a similar sum is to be added to the fund each fall until a substantial total is reached. This is the first gift of the kind made by Wisconsin newspaper publishers to assist students in the journalism department of the State University.

Honored for Service

George M. Briggs and O. R. Zeasman, veteran extension specialists at the University of Wisconsin College of Agriculture, were honored by fellow staff members recently for having completed 25 or more years in agricultural extension work.