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THE BADGER QUARTERLY

State University
of Wisconsin
News for—



Alumni, Parents
and Citizens
of the State

December, 1941

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Vol. 4, No. 1

University Goes 'All-Out' in Efforts for Nation's Defense

With hundreds of University of Wisconsin graduates and former students already serving in the nation's armed forces, national defense efforts among undergraduates on "the hill" has grown in recent weeks to capture a major position in the everyday college life of the Wisconsin student.

As in 1917, almost every campus activity is being organized to fit into the national war program. Defense work projects, unknown on the campus until barely two months before Japan swooped down at Pearl Harbor, are now being set up and directed through a committee on student defense problems.

Once the guns began firing, the university's war effort was not long in forming. The nation's fight became that of the campus, and where national defense work once meant research behind locked laboratory doors, war efforts have now become the problem of the entire undergraduate body.

First steps from the university administration came shortly before the Christmas recess, when President C. A. Dykstra advised

(See ALL-OUT page 6)

The University of Wisconsin campus is going "all-out" in its efforts to help America with its preparations for total war and defense.

With the nation's entry into World War II, history is repeating itself on the campus. As in 1917, campus work and activities are being organized along defense lines, and the entire state university community is thinking in terms of complete aid for the nation's defense efforts.

Four committees to handle various phases of defense work on the campus have been named by Pres. C. A. Dykstra. They are the Committee on Science Personnel and the Committee on Science Research, which work in cooperation with the National Defense Research Council in Washington on science problems and investigations in the defense field; the Committee on Student Defense Problems, which counsels students on their campus defense problems and activities as well as on their problems in national military service; and a special faculty Committee on Emergency Education Policy which has charge of all emergency study course needs for defense.

In naming this faculty commit-

(See COMMITTEE page 2)

Fighting Badgers, Serving 'Round Globe, Like Home News

"From the halls of Montezuma, to the shores of Tripoli" is the boast of the United States Marines. But Wisconsin alumni engaged in the current world-wide conflict in service, for fighting Badgers are serving in all parts of the globe.

Dozens of Wisconsin alumni have been engaged in the courageous defense of the Philippines, scores are at Hawaii, others are in Iceland, Antigua, Cuba, Panama, Alaska, China, Trinidad, Chile—all of them engaged in the greatest struggle the world has ever known.

To all of these alumni the Wisconsin Alumni Association is at-

Parents' Weekend Crowded Out by Shortened Term

Because a shortened spring semester would place the event too close to semester examinations, Parents' Weekend, traditional University of Wisconsin "open house" for mothers and fathers of students, will not be held this year.

At the request of students, the student life and interests committee of the faculty decided to abandon plans for Parents' Weekend, since it was felt that the closeness of final examinations to the dates selected would prevent students from "doing a good job" of entertaining.

According to the social calendar approved by the committee, all social activities will end May 16, instead of June 1, as was specified in the original calendar. On the new schedule, commencement day is June 1 rather than June 22.

Affected by the abbreviation of the semester were several other student groups, including the Haresfoot club, which is forced to reschedule its road shows, and drop performances in three cities. The annual two-week spring festival, centering about the Memorial Union, will be cancelled.

tempting to bring periodic news of the Campus and of their fellow alumni, both in the service and in civilian life. To each of these

(See HOME NEWS page 3)

11,000 Attend University War Convocation



More than 11,000 students and faculty members packed the university fieldhouse on Dec. 12 to hear Pres. C. A. Dykstra, inset, speak at an all-university convocation on the war. The

picture shows the crowd standing and singing the national anthem at the opening of the convocation. See story on Pres. Dykstra's address on page 3.

University Celebrates 93rd Founders' Day Anniversary Feb. 11

The University of Wisconsin's 93rd Founders' Day celebration will be broadcast over a statewide network of Wisconsin radio stations from 8 to 9 p. m. on Wednesday, Feb. 11, it was announced by state university officials.

The hour-long birthday anniversary program of the University will reach Wisconsin alumni and citizens throughout the state through the facilities of a dozen

(See BROADCAST page 8)

Man in China War Zone Wins Diploma From U. W.

He has explored regions where few occidentals have penetrated—forbidding Tibet, central Asia; has earned rank as a world authority on those isolated areas; was the first white man to drive a motor car to the shores of Lake Kokonor (Tibet), 10,000 feet up. All this and more have made Harrison Forman's after-school career a highly mobile and adventurous one.

Through it all Forman, a native of Milwaukee, whose activities take a half column in "Who's Who," never lost sight of his goal of a university degree. His tenacity now has paid off in terms of a University of Wisconsin diploma, toward which he worked diligently, through Wisconsin's extension method, several thousand miles from the source of instruction.

A student at the University in 1925-29, Forman left school when only three credits short of graduation. All over the world his work subsequently took him. He sold military and commercial aircraft to the Chinese government.

He was war correspondent during the 1932 Sino-Japanese hostilities in Shanghai. He organized a motor caravan expedition to central Asia and led several expeditions to that remote region—one of them across the Gobi desert in Mongolia. He made motion pictures of Tibet, of the Chinese-Japanese hostilities, of the bombardment of Warsaw in 1939. Out of these experiences came many books from his pen.

From China in recent months Forman regularly sent lesson reports in French courses to the University of Wisconsin extension division. When his final reports were returned in November and his credit deficiencies were satisfied, he wanted his papers returned post haste. By airmail they carried \$2.80 postage.

About the first of December, also by Clipper mail, the University of Wisconsin sent a diploma to the indefatigable explorer and student. Last lap of its 10,000-mile route was the bomb-racked

(See DIPLOMA page 8)

Alumni Meet; Plan 'Bundles for Badgers'

Scores of alumni clubs will assemble on February 11 to take part in the celebration of the 93rd birthday of the University of Wisconsin, according to a recent announcement made by John Berge, executive secretary of the Wisconsin Alumni Association. It is hoped that all clubs which have not yet made plans for the birthday event will do so immediately.

The usual nation-wide broadcast over the NBC network has been abandoned this year because of conditions arising from the national emergency. In place of this coast-to-coast broadcast, plans are being made by local groups for special programs over their local radio stations.

"Founders' Day dinner can take on special significance this year," Berge stated in discussing the coming event. "There are hundreds of Wisconsin alumni serving in the armed forces of Amer-

(See CELEBRATES page 7)

Weekly Concert by U. W. Band on 11 Stations

With 11 stations scattered throughout the state carrying the program, the University of Wisconsin band has started its fifth year of broadcasting band concert music for Wisconsin radio listeners.

The weekly half-hour program known as the Wisconsin Music Hall Hour, is broadcast direct from Music Hall auditorium on the State University campus every Tuesday afternoon from 4:30 to 5 o'clock. Music for the program is arranged by Prof. Raymond F. Dvorak, who directs the band; announcing is done by Gerald Bartell; and Robert Foss, University publicity director, handles general arrangements.

Besides the music of the Univer-

(See CONCERT page 5)

400 Graduates Live in Pacific Theater of War

It's war now for more than 400 University of Wisconsin graduates who are living or are stationed in the Pacific fighting-zone.

In Manila, P. I., hard hit by Japanese bombs and finally captured, there were 43 Wisconsin graduates. Scattered throughout the Philippines were an additional 59 graduates. Nine of the 106 former students in the Philippine Islands were stationed with the United States army or navy.

Hawaii, in the thick of the Pacific fighting, has 133 University of Wisconsin graduates living on its shores. Most of them live or are stationed in Honolulu.

China has 154 Wisconsin graduates, while 45 were living in Japan.

U. W. Year Cut to Free Students for War Service

A revised calendar for the remainder of the regular 1941-42 school year and for the 1942 summer session, saving 21 days' time in the current school year alone to release students earlier from their school work for service on farms or in industry, and in the nation's armed forces, was adopted unanimously by the University of Wisconsin faculty at a special meeting Dec. 24.

Specifically, the revised calendar for the remainder of this school year wipes out the traditional George Washington birthday holiday of one day, the annual spring vacation period of nine days, shortens the final examination period at the end of the first and second semesters to save another seven days, and finally shortens registration days to make up the remainder of the three weeks' saving in time.

Under the revised calendar, the final examination schedule at the end of the first semester in January is Jan. 26-31 instead of Jan. 26-Feb. 4 as in the old calendar. At the end of the second semester, the final exams will be held May 22-26 instead of June 8-16 as originally scheduled.

This total saving in time pushes the opening of the University's 89th commencement weekend this year up to May 30 instead of June 20 as originally scheduled, combining Alumni Reunion Day with Memorial Day on the campus; makes Sunday, May 31, Baccalaureate Day instead of June 21; and moves the University's commencement day up to Monday, June 1, instead of the originally scheduled June 22.

The revised calendar makes no changes whatever in the dates for the regular six and eight weeks summer session next summer, nor does it change the dates for the Law school summer session. But it does insert into the 1942 summer school program a new 12-weeks summer session in certain courses of study, probably in engineering and in certain science courses.

Dates for the regular summer school are: for the six weeks session, June 29-Aug. 7; for the eight weeks session, June 29-Aug. 21; and for the Law school summer classes, June 22-Aug. 28.

Dr. William S. Middleton, dean of the Medical school, also announced at the faculty meeting that the Medical school faculty had already taken action which places the Medical school on a quarter basis, continuing regular classes and study during the summer, in order that the Medical school work may be completed in three years instead of the customary four.

In bringing the revised calendar before the faculty, Dr. J. H. Mathews, chairman of the committee which recommended it, explained the nation's need for greater man-power was much more important in this war than in 1917. He pointed out that in World War I the ratio of man-power needed behind the lines for every man on the firing line was five to one, but that now in World War II that ratio had climbed to from 15 to 18 to one.

"That means that our nation needs all of the man-power that it can possibly get," Dr. Mathews declared. "Much of that man-power is enrolled in the colleges and universities of our country, which means that we must shorten our school terms to release this man-power as early as possible next spring for work on the farms and in the factories, and for service in the nation's armed forces."

President Dykstra reiterated Dr. Mathews' remarks on the necessity for taking action in reducing the school term immediately, and

Badger Students Learn to Fly for U.S.

After three years as a university function, civil pilot training, first offered to University of Wisconsin students in November, 1939, for commercial and other peacetime ends, is now an all-out national defense program. Where the military motive was almost wholly absent among the original 50 flight students, that consideration looms large in the present picture, with today's enrollees being trained for the army or navy and flight instruction services for the "duration."

When first introduced as a university activity, flight officials recalled, the CAA training program was well adapted to the plan of developing the public's air mindedness. Although the peacetime motive was uppermost, all who enrolled signed a pledge to enter the government's air arm should conditions require it. Of the first 10 boys who finish the first course, four, or 40 per cent, took employment with commercial airlines at excellent stipends. Others accepted aviation instructorships.

Within a year national defense changed the picture in a marked fashion. Many students upon finishing their air training at Madison



Above: Mechanic Francis Fitzgerald, left, giving student pilot Robert Dudley, Wausau, some information about the motor of their training plane. Below: Instructor L. L. Mosley, standing, and student pilot Vincent Kroll, Stevens Point, about to take off on a practice trip.

The University of Wisconsin maintains a large staff of aircraft experts in conducting four training courses in three programs annually—first and second semesters and summer session—in what has become one of the largest undertakings of this kind in the United States. Ground school courses and flight instruction are offered concurrently.

The first step is the elementary course. The next advanced stage is the secondary course. A rigid cross country course is offered to advanced students for training in long distance flying. A course for instructors rounds out the program; this helps supply flight instruction personnel for army and navy contract and other flight schools.

The University maintains a ground school staff for four night classes per week, held at the mechanical engineering building, and a flight instructors' staff and mechanics force at both the Municipal airport and the Four Lakes airport, where flight instruction is offered. The high quality of the staff has made the safety record an outstanding one. To date the Madison program has been remarkably free of accidents.



Second Unit of Flying Badgers Feted in Chicago

Twenty-one members of the second unit of the U. S. Navy's Flying Badgers attended a special dinner in their honor at the Morrison hotel in Chicago on December 12. Sponsors of the dinner were the Chicago Alumni club, the Chicago Alumnae club, the Chicago "W" club and the Wisconsin Society of Chicago.

The Flying Badgers, like their predecessors, are a unit of student flyers in training at the Glenview air base near the Great Lakes Naval Training Station. They are all former students of the University. They completed their basic flight training at Glenview late in December and were then transferred to Pensacola for advance training.

Nearly 150 Wisconsin people turned out for the dinner to honor these young fighters. Special squadron insignia were presented to the members of the unit on behalf of the men and women of Wisconsin in Chicago.

George L. Haight, '99, acted as master of ceremonies. "The Star Spangled Banner" was sung by the group, led by Miss Lucile Meusel, member of the Chicago Opera and a Green Bay resident. Speakers on the program included Lt. Comm. Richard K. Gaines, commanding officer of the Glenview base; Lynn H. Tracy, '01, president of the Wisconsin society; Mrs. Elizabeth Todd, '22, president of the alumnae group; and Lt. Carl G. Olson, U.S.N.R. Entertainment was furnished by Vincent Gottschalk and a showing of the movie "Eyes of the Navy."

Praised the faculty for turning out in such large numbers on only 24 hours notice, on the day before Christmas, to put the revised calendar into effect so quickly.

Alumni Club Sets Up Unique Loan Plan to Aid Students

A unique plan for a "revolving scholarship loan fund" to help deserving high school graduates of Eau Claire county continue their education at the University of Wisconsin was revealed recently in communications received by M. E. McCaffrey, secretary of the State University Board of Regents.

The new scholarship plan was established under a corporation recently set up by the University of Wisconsin Alumni club of Eau Claire, Wis. Letters received by McCaffrey from two alumni at Eau Claire, Dr. H. M. Stang, president of the Alumni club there, and James Allan Riley, attorney, described the plan.

The new scholarship plan is designed to promote the attendance and the improvement and maintenance of the quality of the students attending the University of Wisconsin from Eau Claire county.

Under the plan, funds are being accumulated in a "Revolving Loan Fund" of the Eau Claire club. From the fund scholarships in the amount of \$50 each are to be granted during each semester for the benefit of graduates of free high schools in Eau Claire county.

The number of such scholarships to be granted each semester is to be determined by the size of the revolving loan fund. Already one such scholarship has been granted for this semester and an additional one is to be granted for the second semester of this year. The scholarships are to be granted in June and December of each year.

Any student, boy or girl, who has attended a free high school in Eau Claire county during his junior and senior years is eligible

for such scholarship, providing he or she possesses qualities of good character, good citizenship and leadership; deserves financial aid; evidences intellectual promise; or has other attributes which shall recommend the prospective scholar in the opinion of the selecting authorities.

Candidates for the scholarships are to be selected by Eau Claire Alumni club officials in cooperation with local school officials in the county, and the names of the candidates are to be certified to university authorities.

Recipients of the scholarship loans must agree to repay their loans without interest at the end of six years, or continue the loans at 4 per cent interest thereafter.

Commenting on the new student aid plan, McCaffrey said: "The idea which these Eau Claire citizens have put into action is a very commendable one, indeed. We here at the university know how helpful these loan fund scholarships can be to students."

They are financial life-savers to many hard-working students, and they often prove to be incentives to better scholarship."

John Berge, secretary of the Wisconsin Alumni association at the university, had high praise for the Eau Claire alumni club for their initiative in inaugurating the new student aid plan.

"The Eau Claire alumni club is to be congratulated on its far-sightedness in establishing this plan," he said. "They are not only extending a helping hand to deserving young people of their own area, but they are also helping to build character and citizenship, great needs of America during these times. I sincerely hope other alumni clubs of Wisconsin and the nation will follow the lead of the Eau Claire club in establishing similar student aid plans."

Badger Alumni to Have New Songbook Soon

At long last Wisconsin alumni will have a new song book of Wisconsin and Big Ten songs to use at alumni club meetings and where ever else alumni may gather. The Alumni club of Chicago has recently announced that it is sponsoring the publication of a 16-page booklet containing the words and music for ten Wisconsin songs, and words only for a large group of Big Ten and other songs.

Highlighted among the contributors to this new book are the famous violinist Fritz Kreisler and Wisconsin's own President Dykstra. The selection and arrangement of the songs was made by Prof. Raymond F. Dvorak, director of the University of Wisconsin bands.

In addition to the old favorites of years gone by, such as "On, Wisconsin", "Varsity", "The University Hymn", "If You Want to be a Badger", "Songs to Thee, Wisconsin", and "We'll Cheer for Old Wisconsin", the booklet will contain four songs more or less new to alumni. These new songs are "Pioneers of Wisconsin", "Valiants of Wisconsin", "Forward Wisconsin", and "Wisconsin Forward Forever."

The music for "Pioneers of Wisconsin" and "Valiants of Wisconsin" was written by the world famous violinist and composer, Fritz Kreisler. Words for both melodies have been composed by President C. A. Dykstra. To your reporter's knowledge, no other University can boast of a song-writing team as famous or as unique as this one.

Words and music for "Forward, Wisconsin", were written by George Comte and Roy Peterson, two members of the staff of radio station WTMJ, Milwaukee. The late John Philip Sousa wrote the music for "Wisconsin Forward Forever" and the words were composed by Berton Braley, '07. For some reason this song has not been sung as much as it should be. It's an excellent number and for that reason is being included in the new song book.

The price of the new song book will be 50 cents. Copies may be ordered from the Chicago Alumni club or from the offices of the Wisconsin Alumni Association.

Committee--

(Continued from page 1)

tee on study course needs, Pres. Dykstra said:

"In order to make provision in the largest possible way for the preparation of students to serve our country in the near future, we should exercise our most intelligent judgment in making new offerings to our students, in accelerating the pace of preparation in certain technical areas, in considering the problem of pre-requisites and current regulations as to courses, and in exploring the possibilities of saving time during the next semester."

The Committee on Student Defense Problems is composed of both students and faculty members. It is making available to students faculty counsel and advice, assisting them in the questions they raise involving their responsibilities and how they can be of most effective service, if they remain on or if they leave the campus.

Both of the special faculty science committees on defense preparations have been in operation for more than a year now, closely collaborating with the National Research Council in Washington in taking care of the federal government's defense requests. At the present time about 120 members of the faculty are working on science research problems for the federal government, either in the campus laboratories or in laboratories provided by the government.

Dykstra to Students: Stand Ready to Serve Nation When It Calls

Serve your country, when it calls you, to the best of your ability, and in the meantime, prepare yourselves, mentally and physically, to do best whatever national defense may require of you, President C. A. Dykstra told University of Wisconsin students at a University convocation on Dec. 12, four days after America's entry into the war.

To a huge audience of more than 11,000 students and faculty members gathered in the Wisconsin fieldhouse, President Dykstra declared:

"In such a time as this we are all drawn closely together. Our interests merge and we seek just one thing—the long time interest of our common country, our homeland. This is not the time to cultivate suspicion, or to breed animosities or hatred. This is a time for consecration to the high purpose to which America is dedicated. This is a time for faith, for belief in our leadership, for the cherishing and brightening up of our hopes. We have closed ranks. From this day on we march together, calmly, deliberately and with united purpose."

"It is not only natural, but wholesome that we here on the campus should be asking ourselves about our immediate duties and obligations as American citizens who love our country and are willing to come to its defense. There is no question of our loyalty or of our willingness to serve to the uttermost. There is no suggestion of sacrifice. There is only the deep desire to be useful to our common country in this period of crisis. We realize perhaps as never before that what we have believed in—what America stands for—must constantly be fought for and defended. This is the attitude of students and faculty alike on the campus of the University of Wisconsin."

During his convocation address, President Dykstra attempted to answer questions and problems which have risen in students' minds during the past week which had seen America's entry into the second World War.

Discussing the question as to whether students should immediately enlist in the nation's armed forces or await the call of Uncle Sam, President Dykstra asserted:

"It is my duty—and I ask you to remember that I had some part in the earlier administration of the Selective Service Act—to tell you that selective service means exactly what it says, namely, that our government undertakes to say through the operation of the selective program, where the individual can be most useful to the nation and what it is that the nation asks of him. This is not a day of individual choices. It is a day in which each one of us responds to the call of the nation, whenever and wherever our individual service is necessary.

"I think I know how many students feel at this moment. They feel as students felt in 1898 and 1917. Always students have volunteered for the armed service. Those were the days before there was any national mandatory system for recruiting the man power of the nation. In the last analysis, however, this question of enlisting is one that the individual will have to decide for himself. The decision must come however after there has been careful consideration of the national policy as announced by the Congress. We should also keep in mind the fact that there are armed services which still depend completely for man power upon such enlistment."

Discussing the problem as to what attitude students should take toward their college work and what activities they should be interested in as a part of campus community life during this period of national emergency, President Dykstra reminded the students that "from the universities come those who extend the boundaries of knowledge and those who help to conserve the heritage of civilization. I would say therefore, of course you contribute to the welfare of the country and to its fu-

Home News-First R. O. T. C. Ski Patrol Formed by 80 U. W. Cadets

(Continued from page 1)

hundreds of alumni the Association is sending complimentary copies of THE WISCONSIN ALUMNUS, BADGER QUARTERLY, and special news letters for the men in service.

And these men like the service. Many letters and cards received by the Association tell of their appreciation. Here are but a few:

73rd Air Base Group (Special) Air Corps Gunnery School Las Vegas, Nevada

I received your letter last week, and the November issue of "The Wisconsin Alumnus" the other day. I have read most of it now, and have enjoyed it very much, especially the sketch on Dr. C. K. Leith and the Chapter on Van Hise. You see I was a geology student at Wisconsin and had several courses under Dr. Leith.

Thank you and the Association for sending the "Alumnus" to us soldiers. I am looking forward to future issues.

Very sincerely yours,
(signed) Hugh N. Frenzel, '41

17th F. A. Btl. A.
Ft. Bragg, N. C.

Just a few lines to inform you that here is one member of the class of '41 who really appreciated President Dykstra's message of November 1. Sometimes it is hard to believe that those wonderful days at Madison are all over. I know that I am only one of hundreds of Wisconsin men who are now in the service but I feel sure that the majority of us treasure wonderful memories of the finest school in the land—incidentally, I am not a native of the Badger State so you can see what I really think of Wisconsin.

Hoping to again have the pleasure of walking up Bascom Hill, I remain

Sincerely yours,
(Signed) George S. Hackett, '41

Station Hospital
Office of the Surgeon
Scott Field, Illinois

I was most happy to receive my issue of the Wisconsin Alumnus Magazine for it just helps to add to the many pleasant memories of my student life at Wisconsin. Somehow we all feel mighty proud of the old place, and I assure you that the Wisconsin group here followed the team very closely this fall—rejoicing in a victory and feeling depressed in defeat. We who are in the service feel these things more strongly than those in civilian life due to the newness of our environment.

Scott Field is really steeped in Wisconsin Tradition in that the Commanding officer and his wife are both Wisconsin graduates. They are Colonel and Mrs. Wolcott Hayes. Wisconsin graduates can be found throughout all grades and ranks. I feel that many of us may be back for Military Ball this year, and perhaps we should work on a Scott Field delegation for a goodly group of us might be able to fly up for the occasion.

We here at Scott Field appreciate greatly the Alumnus Association's interest in us, and we shall do our best to "Carry that ball around Chicago."

Sincerely,
(signed) I. Ralph Goldman

Hdq. Sqdn.,
33rd Bombardment Group
Westover Field,
Chicopee Falls, Mass.

Just a note of appreciation to the Association for their thoughtfulness in sending the Quarterly to those of us in the service. I have missed the last two issues I fear, through the changes in address that army training necessitates. My present address is above, having completed my prescribed training at the Air Corps Technical Schools in Rantoul.

It is, of course, a far cry from the pleasant and spirited surroundings of Madison to the relatively drab and routine living of army life and the news of friends and acquaintances and of progress at the University is most heartening to those of us who have lived there and grown to love her.

My present occupation is as a weatherman and I must say for my present Alma Mater that the training and opportunity to learn is there and that the army is turning out literally thousands of well grounded techni-

ians with an admirable degree of proficiency. As to other Badgers I am sorry to say I know of no others here at Westover, but wherever they are, I am sure they are doing a good job in whatever capacity they might see fit to serve in.

Cordially
(signed) Ralph J. Polsby, '37

science department, will continue through the winter, with the men receiving instruction in basic military formations, learning to care for themselves in a frigid climate, and practicing the basic principles of combat on snow and in wooded terrain.

"It is believed in the department that this may be the starting place for ski trooper officers needed in the regular army," Lt. Storey explained. "The boys will learn mostly column movements, with little of the close order drill used by foot soldiers."

"Most important," says Lt. Storey, "is teaching the patrol to operate as a team. There must be team work if the patrol is to do its job."

Wisconsin's ski patrol had its beginnings last fall when Col. H. H. Lewis, ROTC commandant here, instituted the idea. Col. Lewis checked through the 1,881-man corps to find the number of ski owners, and then began making plans. He first found a nucleus of men who could provide their own skis.

Then the Wisconsin Hoofers, University outdoor club offered through their adviser, Dr. H. C. Bradley, of the School of Medicine, to train the patrol in ski technique. Saturday, nine Hoofers veterans, some of them former Olympic champions, set out to test and train the cadets in snow travel. With Dr. Bradley as chief instructor, the assistant coaches are Hanno Mayer, David Bradley, Rudi Bloch, Peter Thompson, Fred Landsdorf, Warren Gilbertson, Bill Heckrodt, Gene Malhot, and Reuben Silvola.

The patrol will work right on through the remainder of the winter, with early basic instruction developing into more complicated work such as sniping or camouflage. Practice fields will include the west side of Bascom hill, Picnic point, Blackhawk knoll, and the Cross Plains Hoofers' hill.

Cadet officers for the ski patrol will be selected shortly, according to Col. Lewis. Officers will probably be chosen from members of the advanced ROTC corps, but selections will be made strictly on the basis of leadership and ability in the patrol.

First application of the patrol's skiing ability will come during the University's annual Winter Carnival, Feb. 13-15, when the cadets participate in the military ski race under sponsorship of the Hoofers club. The race will be a cross country affair, with full pack and rifle. At the end of the course balloons will be released as targets, and for each balloon the ski trooper misses with his rifle, points will be deducted from his race score.

Yes, the cadets are already sharpening their shooting eyes.

U. W. Forms First R. O. T. C. Ski Patrol



Here is a picture of the first Reserve Officers Training corps ski patrol in the United States, formed at the University of Wisconsin in January. Providing their own skis and winter equipment, 80 student cadets from the

University's military training corps lined up on the snow-covered ice of Lake Mendota at "attention" for this picture, then went into training with nine members of the University's ski team as coaches in charge of maneuvers. See story above.

"On Wisconsin" Joins With "On America" --

We have had Pearl Harbor since the last Quarterly appeared and a swift marshalling of all the resources of man power and physical equipment of the American people. Moreover we have discovered and expressed the great essential unity which binds Americans together under a form of social and political organization which recognizes our freedom to differ in opinion, in religion and in individual practices.

Nowhere have these manifestations been more apparent than on the campuses of America. Our colleges and universities have closed their ranks and they march together toward the goal of total defense. They are helping also to prepare the way for offensive action.

We on the Wisconsin campus were well organized for what seemed to be a sudden challenge. Long since a faculty committee had made an inventory of faculty man power, equipment, laboratory facilities, and research projects and had lodged this report in Washington. For months many members of the faculty, either on this campus or in other laboratories and defense posts have been serving the nation. For more than a year another committee has handled deferment and other student personnel problems so efficiently that our operations in this area are functioning smoothly and effectively. It was necessary only to advise students who were thrown off balance by the December war declarations to use our machinery to help them solve their immediate problems.

At a great convocation in the Field House, the largest get-together of students and faculty ever held on this campus, the president counselled students to do the hard thing and stay on their jobs until the nation called them for the special service unless some inner compulsion persuaded them that they must enlist immediately. Within a week the Secretary of War and the Director of Selective Service gave the same advice. Such a procedure is of the essence of the Selective Service principle and it is in line with the democratic ideal.

After this convocation two more committees were set up—a faculty group to determine ways and means for speeding up our calendar and for giving special defense training opportunities to the student body, and a faculty-student committee to handle student participation in defense activities and to advise with the administration on student problems. Action of both committees was prompt and effective. A new schedule for the second semester has already been passed by the faculty and provision made for a summer quarter of twelve weeks besides the regular summer session. The faculty committee also reported on curricular changes for the second semester. These things done we shall go after the problems that face us in the next academic year.

Our educational institutions will help to win a war which Americans did not want but which they will be compelled to fight. They will also give their attention to the question of the kind of world that we will live in when the war is over. The problem of winning the peace is one in which we should have a great contribution to make. In the long view the process of education will determine the future of the race of this globe. This University feels its obligation and is prepared to shoulder it. It is our duty to keep our educational institutions strong and virile during this crisis so that they may serve us and the world when the fighting is over.

We face the future with courage but without false optimism. We are in for a long hard struggle against powerful and determined forces. Our University will not falter nor lose faith. Our "On Wisconsin" joins with "On America" and the United Nations for a total victory and a righteous and permanent peaceful world. Forward is our motto.

C. A. DYKSTRA, President,
University of Wisconsin.

Mrs. Taylor, '85, Can't Help Being Helpful to U. W.

Mrs. Rose Schuster Taylor, '85, just can't stop serving the University of Wisconsin. For years she has been outstanding in her many services. She has contributed heavily to the scholarship funds, to special projects and to the welfare of the Alumni Association. And now she has been instrumental in obtaining a gift for the Wisconsin State Historical Museum.

Just a few weeks ago, Charles E. Brown, director of the museum, received a portrait of Florantha Thompson Sproat, the first missionary to the Ojibwa Indians on Madeline Island in Lake Superior.

Actual donor of the portrait is Mrs. Gertrude Hutchings Mills, granddaughter of Mrs. Sproat. Mrs. Mills has been active in the affairs of Yosemite Valley. She is the second white child born there. Because her grandmother, Mrs. Sproat, spent some time in Yosemite, Mrs. Mills was undecided as to whether to present the portrait to the Yosemite Museum or to Wisconsin.

It was Mrs. Taylor who convinced her that the portrait should most logically go to Wisconsin.

The University's Honor Roll

Ensign (Frederick) Curtice DAVIS, B.A. '39, Hanover, Wis. Wing 10, Cadet Barracks N.A.S., Pensacola, Fla. (Killed in action. 12/11/41)

Lt. Harold H. JESSEN, ex'41, Wauwatosa, Wis. U.S.A. Air Corps, Kelly Field, Tex. (was killed in airplane accident Oct. 22, 1941)

Lt. John E. LOEHRKE, B.S. (ME) '40, Mayville, Wis. Air Corps Basic Flying School, Macon, Ga. (Plane exploded in air and crashed killing both he and another pilot, 12/12/41)

Robert R. SHATTUCK, ex'42, Blue River, Wis. Hickory Field, Hawaii. (Killed in Japanese bombing of Hawaii, Dec. 7, 1941)

Thomas L. TRUAX, Ph.B. '39, Madison, Wis. Brooks Field, San Antonio, Tex. (Died Nov. 2, 1941 when he crashed into Bald Hill, en route to McCord Field, Tacoma, Wash.)

Finds Women Jobs

Miss Beulah Larkin was recently named assistant to the dean of women at the University of Wisconsin in charge of placement and vocational advising. She replaces Miss Margaret Hebard, who resigned because of ill health.

The Badger Quarterly

Students Become "Dead-Eye Dicks"



Electric Target Helps Make Marksmen of U. W. Cadets

With their country involved in total war, University of Wisconsin military training cadets are taking their target practice more seriously than ever these days. A group of the Badger sharpshooters are shown inspecting the results of their firing at the new electric target in the University's rifle range. See story below.

Farm Defense Plans Theme of U. W. Meet

Ways in which Wisconsin agriculture may effectively gear into the national emergency production program will be considered by leaders and members of more than 30 state farm organizations when farmers and homemakers gather for the annual Farm and Home Week at the University of Wisconsin February 2-6.

In extending welcome to farmers and their families to attend this state-wide event, Dean Chris L. Christensen emphasizes that "Wisconsin farmers have important work to do."

"The job," he says, "was assigned to us on December 7. Our answer will come from the fields and pastures, from the flocks and herds, from every farm. We will work like Badgers always do."

Aimed at helping the government conserve on metals needed for its armament program, attention will be given to ways of repairing and adjusting machinery now on Wisconsin farms in order that its use may be extended for added years. Other programs being planned include those on producing the family food supply, rural buildings, poultry management, dairy herd management, sheep, swine, and livestock production, farm forestry, farm crops, conserving soil, wild life management and others.

Realizing the importance of health and physical fitness in the days that lie ahead, programs dealing with foods and nutrition, health, the family food supply, clothing and others are being arranged. Supplementing talks and demonstrations will be exhibits dealing with homemaking subjects which will be on display throughout the week.

Dykstra Named Member of Social Science Body

Another honor was added to the long list recognizing the services to the nation of President C. A. Dykstra of the University of Wisconsin, when he was named a member of the National Institute of Social Sciences in December. Citing the State University's president for his "service for the benefit of mankind," the membership committee of the institute elected Dr. Dykstra on the nomination of Dr. Edward C. Elliott, president of Purdue University, Dr. John Stewart Ryan, president of the College of William and Mary, and Dr. Robert G. Sproul, president of the University of California.

are coming with their shots. Were they firing on the actual terrain represented on the target, they would be unable to see results of their shots, so the target carries out the situation.

When the target is in operation, the instructor manipulates the controls, switching on red lights

in the upper right hand corner to represent a machine gun position in the barn pictured on the target. A blue light can be flashed in the lower right corner to simulate a squad of riflemen dispersed along a rock fence. When the instructor flashes a red light in the upper left corner of the target, it represents machine gun fire from the base of a haystack, and a blue light along the lower left of the target warns of fire from a second squad of riflemen.

When the device is in use, an instructor sits at the controls flipping switches on the bakelite-faced control panel. As lights flash on the landscape, fire control officers issue proper orders for changing of range or direction of fire, and cadets blast away at the blinking lights.

Scores of rifle squads can be measured by removing the recording targets and checking the concentration of holes on the black and white sheets.

The target is mounted on ball-bearing casters so it can be removed from room to room in the university armory or even taken to the rifle range in the east side of Camp Randall stadium. Stu ROTC engineers and signal corps helped build the target under the direction of Sgts. Webb and Davis, the engineers doing sheet metal work in university shops, and the signal corps men assisting in wiring the board.

KEEP 'em FLYING



More than 800 alumni in the armed forces are receiving complimentary copies of THE WISCONSIN ALUMNUS and special service news letters. The Alumni Association is attempting to do its part for national defense. The boys in the service like this courtesy.

They've said so. But the job is becoming mighty expensive. The Association needs more money to finance it. Your membership will help carry the load. If not now a member of the Alumni Association, use the blank below to join. Do this today. Let's all help to keep 'em flying.

The Wisconsin Alumni Association
770 Langdon Street
Madison, Wis.

I want to do my part toward helping the Wisconsin Alumni in the nation's service. Enroll me as a member of the Alumni Association and bill me for the regular dues: \$4 a year. *

Name Class
Address
City State
(* If you are a member of one of the last five classes, '37 to '41, the membership fee is \$2.)

Students Volunteer Services to Keep Research Moving

Plain, unglamorous hard work is what 120 University of Wisconsin students have volunteered as their part in the nation's war program, as they help keep defense research projects moving in university laboratories and workrooms and perform other jobs under the University Elective Service program, war service project begun in December by Badger students.

\$68,000 in Gifts Aid Scholarships, Research at U.W.

A total of more than \$68,000 in gifts and grants has been accepted by the University of Wisconsin Board of Regents at its last two meetings in Pres. C. A. Dykstra's office in Bascom hall.

The funds provided for either research scholarships and fellowships in a half dozen fields of science investigation; for cash scholarship or loan fund aids to needy students; or for aid to departmental libraries on the campus.

Four of the gifts, totaling \$1,450, came from anonymous donors. One of these, for \$500, was given by the donor "to be used for purposes suggested by Pres. Dykstra" for the good of the University. Two of the remaining anonymous gifts, totaling \$550, represented the first of 10 annual instalments for the Law school scholarship fund, while the remaining anonymous gift for \$400 was for cancer research to be done under Prof. M. F. Guyer, of the zoology department.

Among the gifts was one of \$1,000 from Morgan E. Manchester, Madison merchant, for use by the University Medical school in making a study of a new treatment for crippled limbs resulting from infantile paralysis. In announcing the gift, Pres. Dykstra explained that two children of Mr. Manchester had been stricken with the dreaded disease during a trip east last summer.

Many gifts were from American industries to provide for industrial research in the University's laboratories, while others were for student scholarship and loan funds, including one for \$2,000 from Mrs. George E. Frazer, Winnetka, Ill.

Another gift, totaling \$5,000 to provide funds for the University's Pro Arte string quartet, came from five individual donors, one anonymous. Others who contributed included A. J. Horlick, Racine; George I. Haight, Chicago; Thomas E. Brittingham, Jr., Madison; and Joseph E. Davies, Washington, D. C.

Largest of the gifts was for \$35,000, which came from the Wisconsin Alumni Research Foundation, to provide for assistantships and apprenticeships in science research work in various departments of the University during the 1942-43 school year.

Aid to University departmental libraries came in gifts of \$175 from the Employers Mutual Liability Insurance co., of Wausau, for the purchase of books and periodicals for the Commerce school library; and in the gift of a collection of legal treatises, encyclopedias, court reports, and bar association reports for the Law school library from Jesse E. Higbee, of La Crosse. Another, amounting to \$52.71, came from the Dane county chapter of the Nation Lawyers guild for the student loan fund, and a third for \$75 from the St. Paul, Minn., Alumnae club for the scholarship fund.

Name New Dormitory

The University of Wisconsin's new farm short course dormitory will be known as W. A. Henry hall, in honor of the first dean of the State University college of agriculture, it was decided at a recent meeting of the University Regents.

Set Rising Sun

Newell J. Smith, '41, who is with the field artillery at Ft. Sill, Oklahoma, reports that the motto of his unit is "Set the Rising Sun."

Alumni Make Gifts to Scholar Funds

Five alumni clubs made contributions to the general University scholarship funds during 1941, according to a recent report by M. E. McCaffery, secretary to the Board of Regents. These five clubs are in addition to those other alumni clubs such as Eau Claire, Milwaukee, Chicago, and Cincinnati, which have established scholarship and loan funds which they administer themselves.

The alumni groups which have donated funds to the University during the last year are the Detroit alumnae, the Marshfield, Wis., alumni, the Southern California alumnae, the Southern California Junior alumnae, and the St. Paul alumnae clubs. The amounts contributed ranged from \$25 to \$75.

"These contributions by loyal alumni are greatly appreciated," McCaffery stated in making his announcement. "The University is always pleased to accept funds such as these which assist in no small measure to alleviate some of the financial difficulties which students are encountering daily here on the campus. It is our earnest hope that some day each of the many organized alumni groups will have some form of scholarship or student loan fund."

A. J. Goedjen, Alumni Association president, announced that the raising of scholarship funds would continue to be one of the important parts of the Association's program during the coming year. Individuals or groups interested in contributing such funds should contact A. John Berge, executive secretary of the Alumni Association.

Pooley Directs Star in Recording Poetry

Prof. Robert C. Pooley, of the University of Wisconsin English department, and teacher in Wisconsin high school, recently directed Basil Rathbone, film, stage, and radio star in recordings of poetry appreciation records in Hollywood. Titled "Great Themes in Poetry," the album contained 25 to 30 poems from the great standard works of poetry. It will be used in high school literature classes over the country.

Other laboratory work includes servicing of equipment, setting up apparatus, or working out chemical determinations for the research directors, or preparing microscope slides for analysis.

When the defense research projects have been care for, the Elective Service program will be extended beyond replacement of the WPA staff, according to plans outlined by the student-faculty council on student defense problems. Eventually students may be assigned to such varied jobs as accountant, bookkeeper, filing clerk, stenographer, mimeograph operator, janitor, chauffeur, elevator operator, nurse, draftsman, photographer, translator, electrician, guard, or furnace man.

Concert --

(Continued from page 1)

city concert band of 100 pieces, the program each week features a faculty member or administrative official of the University in a five minute talk or interview on some phase of the University's work in education, science research, or public service. On the second Tuesday of each month, the Alumni association takes charge of the speaking part of the program, and John Berge, alumni secretary, presents the speaker of the day.

The eleven stations which are now carrying the weekly program are WHA and WIBA, Madison, and nine stations of the Wisconsin Network, Inc., including WFHR, Wisconsin Rapids; KFIZ, Fond du Lac; WEMP, Milwaukee; WHBY, Appleton; WHBL, Sheboygan; WCLO, Janesville; WIBO, Poyntette; WRJN, Racine, and WSAU, Wausau.

Let Us Do Our Full Share for VICTORY --

Our nation has suddenly been thrown into a world wide conflict against what may prove to be the most cunning, ruthless, and carefully organized war machines of all times. A peace loving people believing in the principle of "Live and Let Live" and trained in the ways of peace and progress, we find ourselves suddenly forced into the channels of war and destruction. It is not a pleasant or a natural task for us. We would a thousand times rather save than kill—we would infinitely rather make things to improve life than manufacture implements of destruction.

However, we have no choice in the matter. We have been ruthlessly attacked and we will fight back until VICTORY is achieved. We are told that this will be a hard war, a costly war, and it may be a long war. It is definitely an all-out war, fought in every quarter of the globe, on the line of battle, in the factories and laboratories, in mines and on the farms, in the colleges and in the homes. The help of everyone is needed to insure VICTORY and everyone will be given innumerable opportunities to help. The men who serve in our country's armed forces are brave, intelligent and loyal—they will do their part and do it well. We are particularly proud of the hundreds of fellow alumni who are already in uniform. They will conduct themselves with credit to their country, their state and their university.

We alumni, one hundred thousand in number, who are not in uniform, have a tremendous stake in this conflict and a very definite responsibility in winning this war. Never, in the history of the world, has the whole-hearted effort of civilians been as imperative as in this conflict. The war effort back of the lines in such vital matters as production, economics, health and morale may bring about either defeat or victory.

We who are on the home front will need to match the courage and sacrifices of our armed forces with intense loyalty, whole-hearted cooperation and untiring effort. We will need to work hard and long and we will need to discipline ourselves as never before. Many of the wasteful luxuries in time and material which we have enjoyed in the past will need to be discontinued, if not by our own self-discipline, then through necessary governmental restrictions.

We will need to readjust our lives to winning the war. Our government will frequently request and sometimes command us to make sacrifices.

We, ourselves, can determine ways, large and small, by which we can contribute to final VICTORY. The final outcome, no matter how long and costly the war in resources and lives, will depend largely upon what we do at home to win the war. Let us not hesitate, but immediately become a vital part of the drive for Victory. In this war everyone needs to be in the game and not in the grandstand. As each new method of helping win the war unfolds, let us eagerly do our share.

When this terrible conflict ends, let it be said that alumni of Wisconsin served their country with unwavering loyalty and sacrifice and did their full share in bringing about a decisive VICTORY.

A. J. Goedjen, President Wisconsin Alumni Assn.

Co-eds Do Their Part for Nation's Defense



Under a program of University-wide "Elective Service," University of Wisconsin co-eds are enrolled in a variety of activities to do their part in furthering the nation's defense. This photo shows one group of students learning and practicing the gentle art of bandaging. More than 300 Wisconsin co-eds are already enrolled in various kinds of volunteer activities,

such as knitting and sewing for the Red Cross, making candy and cookies for the men in camps, corresponding with the men in camps, and in first aid and home nursing work.

Diesel Fuel Tests at U. W. May Aid Mechanized Army

While Washington defense experts toil over the problem of conserving the nation's oil supplies to provide fuel for America's growing mechanized army, University of Wisconsin engineers, working with a University built testing device, have obtained performance ratings on high-speed Diesel engine fuels which may help make possible the use of Diesel engines and low-cost fuels in place of gasoline engines in our mechanized army.

The fuel work at Wisconsin began 10 years ago, when R. A. Rose, mechanical engineer professor, began experiments on Diesel engine fuel combustion analysis. To do the work, Rose had to build his own indicating device, which turned out to be a seven-year job before it was perfected.

Wisconsin was the first university to undertake high-speed Diesel fuel combustion research, but it began at the right time, for new developments in the electric eye provided Rose with equipment never before used in combustion work.

Rose is now on active duty as an officer in the Navy, but his device, known as the "Rose Indicator," is the first of its kind, and is still in use as Wisconsin engineers test fuel injection, beginning of burning, and building of pressure in engines with various types of Diesel fuels.

The work at the University has yielded performance figures on which army engineers and tank designers have been able to estimate performance of new high-speed Diesel engines in army vehicles. Use of Diesel engines has often been advocated for army tanks, according to Prof. G. C. Wilson, who is continuing the work which he and Rose were doing before Rose was called into the Navy.

Unlike gasoline, low-cost Diesel fuel does not vaporize and allow an accumulation of high-explosive gas fumes. This characteristic greatly reduces the fuel-explosion danger.

The main problem with the fuel in high-speed Diesel engines is that it must ignite without the aid of any ignition system. The heat of compression in the cylinders starts the fuel burning. According to Wilson, in the slow-speed Diesel engines the time element was long enough so almost any type of fuel would burn quickly. But in the high-speed motor slow-igniting fuels burned very roughly, producing an objectionable knock. The engineers wanted to reduce that knock, just as it has been controlled for automobile fuels.

"The high-speed Diesel makes 1/000 of a second very important," Wilson says. "Our indication system measures the delayed action of ignition in the high-speed engine."

Using the Rose Indicator, engineers can tell just how long the fuel is in the engine before it starts to burn. This is shown on an oscillograph which has been adapted for use on Rose's device, and which employs the electric eye. Cathode ray oscillograph tubes show an oscillating spot of light which jumps when the reaction occurs inside the engine. The beam of light is focused on a revolving drum which holds photographic paper, and when the photograph is developed the light's path is shown in a wavering track across the paper. By measuring distances between the "jumps" on the light track, engineers can tell how the fuel is performing.

On the Rose Indicator, three cathode ray tubes are used, showing time of fuel injection, time of ignition, and time of beginning of pressure from combustion. All this takes place within 1/000 of a second interval.

The technicians use a synchronized microscope to measure the time lags in the fuels by measuring the distances between points on the film track.

Results from these measurements add up to fuel quality. "The

apparatus furnishes us with a yardstick to measure how satisfactory the fuel will be in high-speed engines, and measure ignition quality, which is the most important quality of the fuel," Wilson explains.

From material published on the Rose Indicator, other laboratories have been able to develop testing systems of their own. Meanwhile, Wisconsin stands out among the leaders of Diesel research. For the past two years Wilson has been a member of the Full Scale Engine committee of manufacturers and refiners, which has been directing comparisons of the same fuels in different engines.

New Handball Courts Open to U. W. Students

Five new three-wall handball courts are part of the gymnasium equipment made available to University of Wisconsin upperclassmen, graduate students, and faculty members who want to "keep in trim," according to A. L. Massey, associate professor of physical education, who directs the required physical education courses for men.

Badger Quarterly

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

December, 1941

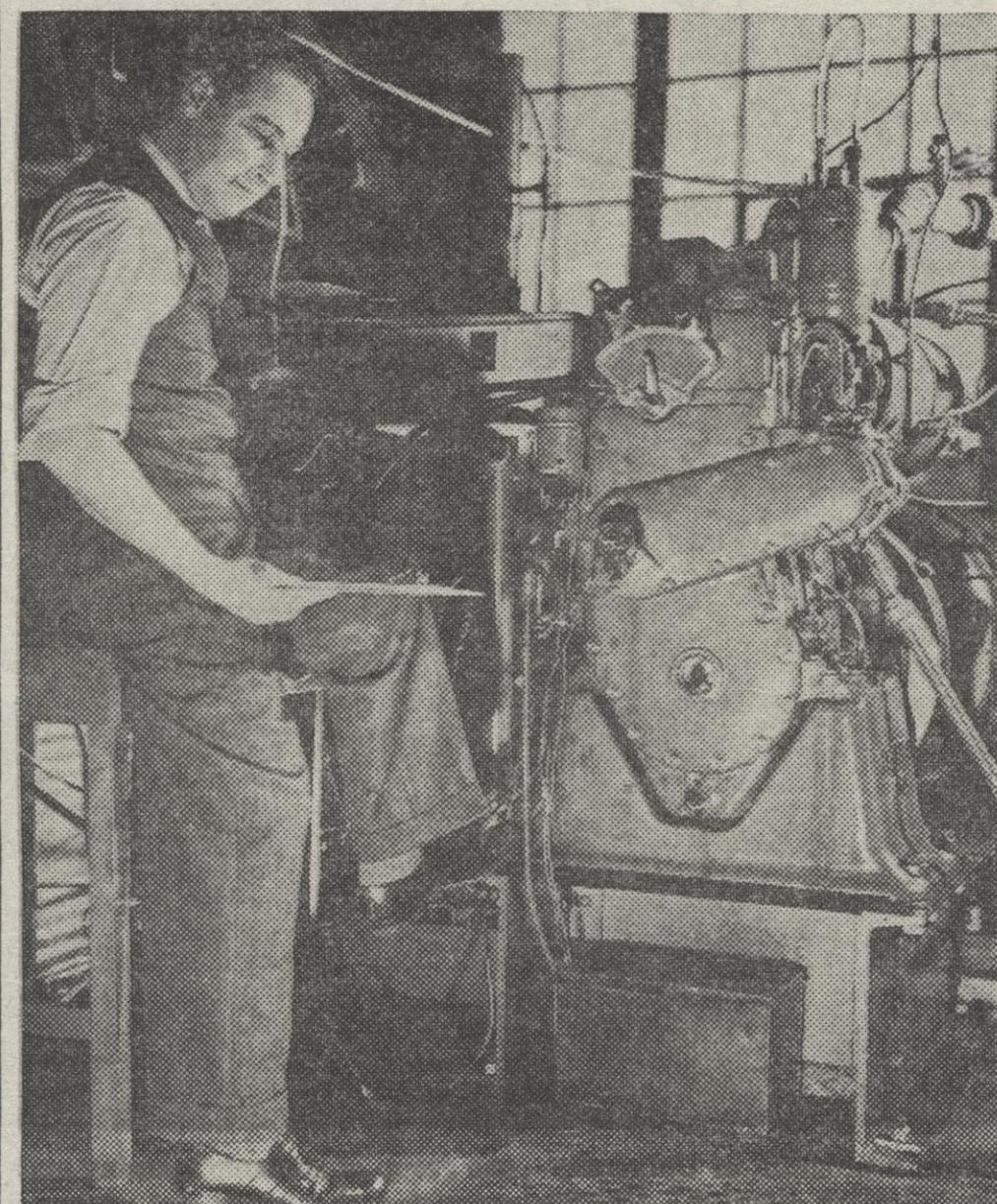
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EXECUTIVE EDITOR—
ROBERT FOSS
ALUMNI EDITORS—
JOHN BERGE
HARRY THOMA

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Tests Diesel Engine Fuels



Prof. R. A. Rose checks the operation of the diesel engine in his laboratory in the Mechanical Engineering Building on the University campus. See story above.

'All-Out' Defense --

(Continued from page 1)

students to serve the nation "wherever and whenever our individual service may be necessary," and followed up with rapid organization of faculty groups to lead a university service program which will occupy all students not called directly into the army or navy.

Moving as fast as any student program was the university faculty, which on December 24 took a major step affecting the availability of the entire undergraduate personnel for defense work. Shortening the remainder of the school year to permit closing of school by June 1, the faculty acted to allow students to finish their work three weeks ahead of the normal term.

Training directly for service in the nation's army are 1,881 cadets of the university's Reserve Officers Training corps. And even more intensified training than has been in effect during the past years is in store for the corps, according to Lt. Col. H. H. Lewis, commandant. The corps expanded this year to the 1,881-man total under the compulsory military training act passed by the 1940 legislature. Prospective officers are being developed for the infantry, engineers, and signal corps.

As a result of the shortened second semester, the corps will have to "tighten its belt," the commandant asserts. To squeeze in necessary training, senior cadets will attend night classes during the next semester. Every one of the 78 seniors may expect to be placed on active duty immediately after commissions are earned in June. Lt. Col. Lewis emphasizes.

Not content with merely carrying out the regular training program, the corps plans to establish during the second semester the first ROTC ski troop in the nation. Volunteer instructors from the Wisconsin Hoofers, university outdoor club, will aid military science instructors in training the future officers for snow warfare.

Civilian defense work on the campus is at present being developed in three forms.

Listed in the outline developed by the student defense program committee are training and service projects under the university Elective Service organization, and the volunteer work corps program which will provide anything from research assistants to factory guards, once it is in full swing.

In the volunteer work corps program, over 100 students had registered for service during a brief two-day period before Christmas recess. "Vacation" was

barely under way when 30 Madison volunteers found themselves replacing Works Progress Administration employees at various university research projects. WPA help was withdrawn from the university shortly before the recess as the government turned its workers elsewhere for "the duration." Volunteers have taken over their jobs.

From the volunteer registrations, University Personnel council officials will draw further WPA replacements, and assign others to aid in the university's "draft headquarters" in the Law school, where campus selective service information is cleared. The volunteer program envisions assignment of students to guard local factories, and fill other civilian defense positions.

First and most famous project on the campus is the university Elective Service program.

Late in October, a group of co-eds headed by Rae Kimpel, junior, Cleveland Heights, Ohio, was not content to "sit back and wait" while America's defense program gathered momentum. The girls organized their own war service program, naming it "Women's Elective Service." They conducted first aid courses, knitting sessions, and camp entertainments. Now the group's early plans have burst into a university-wide enterprise.

In the training phase of the university Elective Service program, both men and women students are learning first aid principles. For women only is the study of home nursing and typing. A women's motor corps may be founded. Further work projects open to co-eds are knitting, sewing, writing letters, making candy and cookies, and preparing campus talent shows for men in service.

A successful talent show venture was one of the first efforts of Women's Elective Service. It came shortly after presentation of "Wiskits" on the campus in December, when the cast of the annual Women's Self Government association production journeyed to Camp Grant, at Rockford, Ill., to present their show.

Further possibilities foreseen by the defense problems committee are money raising projects and participation in civilian defense work as outlined by Madison defense authorities.

Key students on the defense problems committee represent the Wisconsin Student association, the Wisconsin Union directorate, campus publications, senior class officers, the Women's Self Government association, and the House Presidents' council. Faculty representation includes members of the special faculty defense counselors group created by President Dykstra, an alumni association representative, and a representative of the university executive office. Much of the classification of volunteers is done by a sub-committee of the University Personnel council.

For students wishing to enter the government service directly, complete information on all armed services and other federal branches is on hand at the office of the personnel council. Complete information on training for civilian defense work is also available.

As for the effect of the draft, recent changes in selective service statutes make it impossible for the university committee on occupational deferment to tell what the campus picture is at present. From the university alone 3,500 men registered for the first drawing in October, 1940, and many more signed up in July of 1941. Of 2,074 classifications reported to the committee in October, 1941, 174 were 1-A, but since that time many reclassifications have been made.

Alumni Send Letters to Badgers in Service

More than 750 Wisconsin alumni and former students who are in the nation's armed forces received a special Christmas greeting and news letter from the Wisconsin Alumni Association early in December. A unique three-page letter was sent to all alumni in service for whom the Association had proper notification. Additional news letters of this type will be

Alumni Directors Pass Resolutions at Fall Meeting

Resolutions memorializing the late Mrs. Henrietta Wood Kessenich, '16, commanding the Homecoming committee, and providing for the periodic publication of alumni directories were passed by board of directors of the Wisconsin Alumni Association at their November meeting.

The directors also voted to change the term of office of the alumni appointees of the University athletic board to two years. The Association has two representatives on the Athletic Board.

The directors further voted to institute an intensive campaign for sustaining members in order that the Association's program can be further expanded. Sustaining members pay a fee of \$10 instead of the regular \$4. The additional amount which they pay aids the Association to furnish membership to the young alumni, out of school for five years or less, at the rate of \$2 a year. An increase in the number of sustaining members will enable the Association to expand its scholarship, placement, club, and fund raising activities.

Mrs. Kessenich was a graduate of the University with the Class of 1916. She served as a member of the Association board of directors for six years and as alumnae editor of *The Wisconsin Alumnus* for four years. She was the first Wisconsin alumna to receive, in 1940, the special service award from the Alumni Association. She was active in the alumni affairs of Minneapolis and "represented the high type of versatile American womanhood which the University of Wisconsin is proud to claim, with distinguished leadership as a wife, a mother, a homemaker, a writer, a social and religious leader as well as an ever loyal and active alumna."

The need for the publication of alumni directories by the Alumni Association and the alumni clubs has been brought out by the Association's attempts to aid alumni in employment placement, according to John Berge, secretary of the Association. Periodic publication of such directories will not only help the placement work, but will increase the spirit of the alumni scattered throughout the country, he said.

U. W. Home Study Courses Serve 18,986 in '41

More than 10,000 registrations in courses taught by correspondence made up the teaching load carried in 1940-41 by the instructional staff of the University of Wisconsin extension division, according to annual figures just compiled. These courses, taken by 8,871 students, were made up of 4,026 new registrations, 5,578 carried over by students enrolling the previous year, and 377 transfer registrations, or a total of 10,162. They represented the largest volume of teaching service by correspondence rendered by that department of extension study since 1930.

Large as it was, the report showed, correspondence study was exceeded in registrations by another extension teaching function—extension classes. Milwaukee classes recorded 10,543 and state classes 7,542 registrations. The total number of registrations, 18,085, were represented by 10,115 class students.

Students in all extension courses totalled 18,986, and the number of courses they carried was 28,247.

Issued from time to time and will be sent to all service alumni on the Association's rapidly growing list. They will supplement the *Wisconsin Alumnus* and the *Badger Quarterly*, publications of the Association and the University, which are being sent to all soldiers, sailors and marines.

Learned Books of U. W. Press Go Traveling

Where do books from the University of Wisconsin Press go in this present world? Who reads them in far countries? Who looks at and handles lovingly volumes so well bound and printed that trade journals praise their excellence of manufacture while scholars are lauding them as contributions to knowledge? Your reporter turned over tall stacks of invoices at the Press offices recently to find answers to these questions.

A *Symposium on the Blood and Blood-Forming Organs and Charanis's Church and State in the Later Roman Empire* started for Moscow last March aboard a Russian boat that was wrecked at the mouth of the Columbia river. The books were recovered and returned to the Press—along with a strong aroma of salt water and a ship's hold.

Through the thick of conflict at Hawaii an order comes for Kaplan's *Research Materials for the Social Sciences*. On the day that Kiev fell, the Press mailed a copy of Appel's *Bibliographical Citation* to some one in that ill-fated city.

Germany was bombing London when Harry Clark's *Six New Letters of Thomas Paine* and Gertrude Slaughter's *Calabria the First Italy* were being mailed to England. Oelschlagler's *Mediaeval Spanish Word-List* began its trip to London about the time the British and Russians were entering the Iranian oil fields. Your reporter wonders what the interest of the Japanese was in Merrill Jensen's *Articles of Confederation*. Hoping to "confederate" Thailand, the Dutch East Indies, Hawaii, Honolulu? Chifford's *German-Americans in Politics* went to Tokyo when Matzuoka was predicting an Axis millennium for the world. Recently *Lincoln and the Radicals* by T. Harry Williams started on its way to Russia.

Slichter's *Science in a Tavern* is being enjoyed by scientists and plain ordinary lovers of literature from the Arctic to the Equator. That learned work *The "De Rerum Natura" of Lucretius* by William Ellery Leonard and Stanley Barney Smith is sure to go far and wide among scholars. Professor Leonard's essay, "Lucretius, the Man, the Poet, and the Times," will be available separately—for those of us whose Latin is rusty or non-existent.

The most widely circulated University of Wisconsin Press book is *Root Nodule Bacteria and Leguminous Plants* by Fred, Baldwin, and McCoy. It has gone into 19 countries. Wilson's *Biochemistry of Symbiotic Nitrogen Fixation* has circulated quite generally in both hemispheres, while the *Symposium on Hydrobiology* has already traveled extensively in the United States.

The second most widely read Wisconsin Press book is Homer Adkin's *Reactions of Hydrogen*, ordered from fourteen countries. Some of the Press's recent historical works are helpful to makers of history as well as students of it. These books are sure to get around. The *Early Writings of Frederick Jackson Turner* and Paxton's *The Great Demobilization* throw light on important aspects of our history. Williams' *Lincoln and the Radicals* is a "must" for the person requiring knowledge of how a democracy functions in wartime, and what its problems and perplexities are. Sweet's *Friedrich von Gentz and Easum's Prince Henry of Russia* are aids to an understanding of Nazi Germany.

The *Symposium on the Blood* heads the list of medical books ordered from countries outside our half of the globe—Erie, India, Russia, Batavia, Sweden, the Philippine Islands, and so on. Thirty-eight of these United States have ordered from one to sixty copies of the book. The *Symposium on Cancer* went thoroughly over the Western Hemisphere and hit numerous spots in the Eastern before

Wisconsin ROTC Unit Steps Up Training



The University of Wisconsin's Reserve Officers Training Corps this year has an enrolment of 1,881 men, the largest registration in many years. The above photo is a close-up view of the Pershing Rifles division of the corps. The Wisconsin unit is under the direction of Col. Herbert H. Lewis, commandant.

the edition was sold out.

A wide sale is expected for two medical books the Press will publish soon and one just published. A *Symposium on Respiratory Enzymes and Memorial Days in Medicine*, (by Paul F. and Alice Schiedt Clark) are on the spring list. Noel A. Gillespie's *Endotracheal Anaesthesia*, published late in December, is already pretty well covering the seven seas—to England, South Africa, Australia, Canada. A copy has been sent to a medical officer in the Second Australian General Hospital of the Imperial Middle East Forces.

Yes. Books from the University of Wisconsin Press do get about quite a bit.

Seek Work Efficiency

An educational program aimed at achieving the maximum safety, health and efficiency among workers in defense industries in Wisconsin was announced recently by the University of Wisconsin ex-

Attention Reuniting Classes

The calendar changes recently voted by the University faculty and described in this issue will move the dates for the 1942 class reunions from June 20 to May 30. The Alumni Institute will be held on Friday, May 29. The early class get-togethers will be held on May 29. The official reunion activities, the Alumni Association's annual meeting, and the reunion dinner will be held on Saturday, May 30. Please change your reunion dates to conform with this new University calendar.

tension division. Classes in industrial safety engineering will be organized in industrial areas throughout the state under the federal program of Engineering, Science, and Management Defense Training. First of the classes to be offered are at Manitowoc, Appleton and Green Bay.

Celebrates--

(Continued from page 1)

ica who are temporarily located at army and navy posts near cities in which there are alumni clubs. Those boys are craving the companionship of fellow alumni, a few words from back home, a congenial evening of interesting entertainment. Our alumni clubs can furnish just those very things by having them as their special guests at the Founders Day dinners."

The Alumni Association has prepared a geographical directory of all alumni in service, which is available to all clubs desiring to entertain Wisconsin alumni on this or any other occasion. Such lists may be obtained by writing to the Alumni Association offices at 770 Langdon St., Madison.

Those clubs which are not located near service camps can use Founders' Day meetings to do their share in making life a little happier, a little easier, and a little more enjoyable for these Wisconsin men in service.

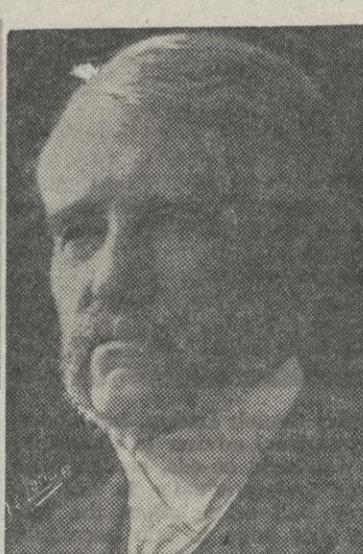
"We've had 'Bundles for Britain,'" Berge continued. "Now let's have 'Bundles for Badgers'. There is a crying need among the men in the service for smokes, magazines, playing cards, books, cookies, and many similar items that can't be bought with military pay checks. Let's have each alumni club 'adopt' a group of Badgers in one of our many camps and supply them with these 'luxuries' that all of us at home can continue to enjoy."

Berge further suggested that the alumni clubs and individual alumni everywhere co-operate with the Victory Books campaign which is currently being staged. He urged that where ever possible alumni subscribe to this campaign. Alumni clubs should make a notation on the covers of the books that they are a gift of their club.

"Let's all of us back home do our bit for those loyal, fighting Badgers who are doing such a fine job for us," Berge continued. "Let's start on this Founders' Day, February 11, with a real campaign on the part of all of us, alumni clubs and individuals, to do all we can to help these boys. Let's help keep these Badgers flying!"

Honor Americans

Displaying a year-long series of "Portraits of the Week" at its library on the University of Wisconsin campus in Madison, the State Historical Society of Wis-



BURR W. JONES
"... reverence for memory..."

the greatest lawyers and jurists of the past, we enshrine the name of one who belongs in that company of the elect. His noble and luminous presence has touched us all, and now with abiding reverence for his memory, we christen this room the Burr W. Jones room, in confident hope that its influence, with his, will be felt for generations to come," he said.

Search for 'Lost Alumni' Success, Thanks to You!

Direct mail advertisers will tell you that a 10 per cent response is pretty good, but readers of The Badger Quarterly have responded in unbelievably higher percentages in their endeavors to help the Alumni Records office locate "lost" alumni. More than 30 per cent of the list published in the October issue were located!

This encouraging and pleasing response has prompted the Records office to prepare a new list of wayward Badgers. Here are fifty alumni for whom it has no good address. See if you can locate some of them. Send your information to Harry Thoma, 770 Langdon Street, Madison, Wis.

Anderson, Mrs. Albin (Sell, Marguerite) (B.A. '12)—Sierra Madre, Calif.

Aschenbrenner, Rudolph A. (B.S. (EE) '17)—Stratford, Wis.

Babler, William E. (B.A. (CC) '12)—204 Oneida, Beaver Dam, Wis.

Burwell, Capt. Edward L. Jr. (B.S.A. '17)—Hartley Hall, Fredericksburg, Va.

Carpenter, Floyd G. (B.A. (CC) '12)—Jamestown, N. Dak.

Dvorak, Albert C. (B.S. (ChC) '12)—U. of N. Dak., Grand Forks, N. Dak.

Eyers, William, Jr. (B.S.A. '17)—115 W. 3rd St., Tulsa, Okla.

Ferrar, Kathleen (B.A. '12)—419 W. 115th St., New York, N. Y.

Giese, John W. (B.S.A. '17)—R.F.D. 3, Norwalk, Wis.

Gratiot, Mrs. Edward C. (Burwell, Marjorie) (B.A. '17)—Shullsburg, Wis.

Graves, Helen D. (B.A. '12)—7753 East End Ave., Chicago, Ill.

Hatch, Ethel S. (B.A. '17)—2602-6th Ave., Tacoma, Wash.

Hoffman, Carl R. (B.A. (CC) '12)—30 Cherry Ave., Ingersoll Watch Co., Waterbury, Conn.

Holst, Mrs. William R. (Gerrits, Irma D. (B.A. '17)—1426 Alma Ave., Detroit, Mich.

Johnson, Mrs. Leland S. (Bent, Winifred) (B.A. '17)—2160 Potter St., Eugene, Ore.

Joslin, Richard R. (B.A. (CC) '12)—2580 Glendower Ave., Hollywood, Calif.

Kellogg, Robert E. (B.S.A. '17)—2028 Monroe St., Madison, Wis.

Koeppl, William P. (B.A. '17)—531 N. Vine St., Tucson, Ariz.

Kolinsky, Pete C. (B.A. '12)—1808 E. Wood Pl., Milwaukee, Wis.

Krienke, Edmund O. (Ph. B. '12)—213 Oak St., Stevens Point, Wis.

Lambert, Wilbur (B.A. '17)—c/o Westcott Express Co., New York, N. Y.

Express Co., New York, N. Y.

La Rue, Edith M. (Ph.B. '12)—High School, Plateville, Wis.

Lester, William P. (B.A. (CC) '17)—1341 Washington St., Denver, Colo.

Ling, Pyau (B.A. '12)—304 Chung Wai Bank Bldg., Shanghai, China.

Leuthge, George C. (B.S. (ChC) '17)—La Clede Gas Light Co., St. Louis, Mo.

Lux, Mrs. E. B. (Krause, Emmeine E.) (B.A. '24)—2114 Hollister Ave., Madison, Wis.

Mackmillar, William F. (B.S.A. '12)—181 Igelhart Ave., St. Paul, Minn.

Mauke, Mrs. W. Gregory (Peacock, Leila L.) (B.A. '12)—Sylvicole, Oconomowoc Lake, Wis.

McRoberts, John H. (B.A. '17)—530 Circle Dr., Denver, Colo.

Mills, Joseph A., Jr. (B.A. (CC) '17)—Nevada, Iowa.

Nelson, Wilford M. (B.S. (Med) '17)—5254 University Way, Seattle, Wash.

Paynter, Charles R. (Ph.G. '17)—5510 Harper Ave., Chicago, Ill.

Raymundo, Mariano B. (B.S.A. '17)—Bureau of Plant Industry, Manila, P. I.

Rehfuss, Isidor L. (B.A. '12)—Superior, Ariz.

Richardson, Chester (B.A. '17)—Walworth, Wis.

Rust, Thomas H. (B.S. (CE) '12)—209 E. Ontario St., Chicago, Ill.

Sager, Mrs. Leslie W. (Mooney, Marian, L.) (B.A. '17)—423 Paterson Ave., Louisville, Ky.

Saul, Willis (Ag.G. '17)—De Pere, Wis.

Shehan, Dorothea F. (B.A. '12)—715-15th Ave., S. E., Minneapolis, Minn.

Shoop, Bonnie L. (B.A. '12)—Marshall High School, Chicago, Ill.

Sikhart, Joseph G. (B.S.A. '12)—Muskego, Wis.

Suttle, Lois (B.A. '12)—170 S. Mountain View, Los Angeles, Calif.

Tisdale, Mrs. Wendell H. (Koch, Elizabeth E.) (B.S. (HEC) '17)—3101 Fairfax Rr., Cleveland Heights, Ohio.

Tupper, Warren E. (B.S. (Med) '17)—220-2nd Ave., Laurel, Mont.

Walker, Mrs. E. R. (Ford, Stella E.) (B.A. '12)—820 N. Mich. Ave., Chicago, Ill.

Walton, Zenas B. (Ph.B. '12)—214 West, Stillwater, Okla.

Watson, Elmer E. (B.A. (CC) '17)—Visconde de Caraselas 180, Rio de Janeiro, Brazil, S. A.

Williams, Mrs. W. Marshall (Adams, Adelaide A.) (B.A. '17)—1139 S. Holle Ave., Los Angeles, Calif.

Zick, William J. (B.S. (ChC) '17)—144-44 Sanford Ave., Flushing, N. Y.

consin is honoring men and women whose personalities have had much influence during the state's history.

The paintings are being drawn from the society's collection, with 53 pictures to be shown during 1942.

Time's Flight as Surprising as Stukas, Blitz to Berlin Alumnus

Late last summer, John Berge, secretary of the Wisconsin Alumni Association, wrote to Louis Lochner, '09, then head of the Berlin Office of the Associated Press. Among the news that Berge contained in his letter was a statement that the Alumni Association this year would celebrate its 80th anniversary.

Late in September, Lochner sent the reply which we print below. At present writing, Lochner, with all the other U.S. correspondents in Nazi controlled Germany, is interned at some southern European resort. His letter follows:

"I rubbed my eyes in wonderment when I read John Berge's chatty letter about affairs at the University. (You may not believe it, but we who are fartherest away from Madison are perhaps hungriest for news about our alma mater.)

"What? The Alumni Association eighty years old? As war correspondent I am used to blitz of fives and stuka surprises. But this one knocked me cold. How time does fly!

"My mind went back to the days when, under the able leadership of Dr. Albert J. Ochsner, Lynn S. Pease, George A. Buckstaff, Mrs. Charles R. Carpenter, and Ernst von Brissen I was privileged to carry out the wishes and policies of the executive board as the Association's general secretary.

"We then thought we were only just beginning. The membership was nothing to boast about. We had only thirteen hundred subscribers to the Wisconsin Alumni Magazine when I became its editor in 1909. We thought we were accomplishing wonders by doubling the number of subscribers that first year. But the indomitable Dr. Ochsner jumped in with both feet to make the Association a success, and the pace set by him was enthusiastically kept up by his successors.

"I seems paradoxical. At the age of forty-eight the Association seemed to suffer from sleeping sickness. It needed a world-famed medico like Dr. Ochsner to put pep and life into it. Now, at eighty, it is more virile, more alert, more aggressively constructive than ever!

"You back in Madison or in the State of Wisconsin perhaps don't realize it as much as we, who live stratospheric distances away from our alma mater, do. The Wisconsin Alumni Association is something of which we can be tremendously proud. It has gone forward by fast strides. The university is unthinkable without it.

"My ardent wish on the occasion of our eightieth anniversary is: May the next eighty years be as dynamic as these recent years have been. There can then be no doubt where our university will be and what its standing will be among the institutions of learning of the world."

Broadcast --

(Continued from page 1)

or so Wisconsin radio stations, including those which make up the Wisconsin network.

The broadcast program will consist of several speakers, including Pres. C. A. Dykstra of the university; Pres. A. J. Goedjen, Green Bay, of the Wisconsin Alumni association; and a member of the University Board of Regents to be announced later. Several dramatized stories based on University progress will also be included in the program, which will feature music by the University concert band, directed by Prof. Raymond F. Dvorak, and singing by the University chorus, directed by Prof. Paul Jones.

Miss Irene Bird, Green Lake, Wis., senior, who sang on the nationally broadcast Hour of Charm show as the representative of the University, may also be heard on the program.

If it can be completed in time, musical feature of the program will be the new Wisconsin song, "Pioneers of Wisconsin," composed by Fritz Kreisler, famous violinist, with words written by Pres. Dykstra. This would be the world premiere of this new song.



LOUIS LOCHNER
"interned correspondent . . ."

U. W. Man, Anti-Gas Expert, May Repeat 1917-18 Work

Alumni Span Half Nation by Phone, Have Joint Meet

The magic of the long-distance telephone recently helped produce one of the most unique Wisconsin alumni club meetings in history.

Gathered at the Minneapolis club on the night of the Minnesota game were about 20 directors of the Alumni Association, Coach and Mrs. Harry Stuhldreher and a few friends of the university.

The occasion was a post-game dinner tendered the Stuhldrechers by Mr. and Mrs. Harry A. Bullis of Minneapolis. Mr. Bullis, a past Association president, has long been an active and loyal Badger fan and devoted alumnus.

In Portland, Oregon, more than 1,400 miles away, a group of members of the recently organized Portland alumni club were having a dinner. At a given time a telephone in the dining room rang. O. Laugaard, the club president, picked up the receiver. From the other end of the wire, came messages from Coach Stuhldreher, John Berge, Dr. Gunnar Gundersen and Mr. Bullis. All of the conversation was piped into a loudspeaker hook-up so that every one in the room could listen in. The reception was fine and the Portlanders were highly pleased with their long-distance speaking program.

"There is a limit to the poisonous qualities of a substance," he

sensational stories that have been told about super-gases, a ton of which dropped in an area of a square mile would suffocate a million men, he labeled as "nothing but propaganda."

The United States today is not immune from gas attacks, Prof. Walton said. He warned that gas concentrations could be used to advantage by enemy forces to spread panic and fear and break civilian morale.

There always seems to be something new under the sun as far as alumni club meetings are concerned.

which would be played by the band and sung by the 100-voice chorus.

Wisconsin radio stations which will carry the Founders' Day broadcast on February 11 include WIBA, Madison, in addition to the member stations of the Wisconsin Network, including WIBU, Madison; WRIN, Racine; WCLO, Janesville; WHBY, Appleton; WHBL, Sheboygan; KFIZ, Fond du Lac; WSAU, Wausau; and WFHR, Wisconsin Rapids. Three other network stations are also tentatively planning to carry the program. They are WEMP, Milwaukee; WTAQ, Green Bay; and WKBB, La Crosse.

The Founders' Day program this year celebrates the 93rd anniversary of the meeting of the University of Wisconsin's first class of 17 students on Feb. 5, 1849, in a one-room red brick building erected in 1847 for the Madison "Female Academy." The class met under the supervision of the university's first teacher, Prof. John W. Sterling.

Today, on its 93rd birthday, the university has an enrollment of more than 10,000 students on the campus, and it has almost 100,000 alumni and former students scattered throughout the world.

U. W. Buys Defense Bonds for Trust Funds

A total of \$50,000 in United States defense bonds, the full amount allowed by law to any individual or corporate buyer, has been purchased by the University of Wisconsin as an investment for its trust fund principal, it was announced at the University business office recently.

The University's trust funds are largely made up of gifts from individual or corporate buyer, has citizens. Usually the gifts specify that the principal cannot be spent but must be invested in only the safest securities, with the income being used to support cash scholarship awards to outstanding students or loans to needy deserving students.

13th Century Bible

The oldest volume in the State Historical museum at the University of Wisconsin is a manuscript Bible penned by the monks in the 13th century. Also among the 630,000 titles owned by the historical library are three books printed before 1500 A. D.

Bomb Splinters

Believing that the readers of the QUARTERLY will be interested in some of the interesting sidelights about the Wisconsin alumni now engaged with the armed forces of the United States, we present this column of odds and ends, gleaned from letters to the Wisconsin Alumni Association from the men in service.

Officers Are Badgers

Two of the highest ranking officers in Wisconsin's 32nd Division are Wisconsin alumni. Maj. Gen. Irving Fish, '03, is division commander of the artillery brigade. Incidentally, Maj. Paulie Meyers, '17, who won his "ace" rating in World War I and was one of Wisconsin's greatest ends on the football teams of his time, is in command of the 12th Observation squadron, composed of Wisconsin men, stationed at Ft. Dix, New Jersey.

Alumnus for Nothing

When the notice of the Alumni Association's offer of free subscriptions was placed on the bulletin boards at Ft. Custer, Lt. Bill Haight, '36, overheard one young alumnus remark to another, "I see you can become an alumnus for nothing now."

limit to the speed or penetration of a bullet."

The early gas masks used in France by American soldiers, according to Professor Walton, were clumsy bag-like affairs made of cloth treated with chemicals. Many times soldiers were killed before they could pull on their masks.

"Gas travels quickly," he said. "When the signal was given of a gas attack soldiers frequently had no more than 18 or 20 seconds time in which to adjust their masks. If a man was slow, or fumbled clumsily, or for any other reason could not get his mask on in time, he sank to the ground gasping in agony."

Lewisite and mustard gases, he explained, were one of the biggest problems of the war.

Those, he said, no matter how expertly a mask functions as protection, will destroy the skin on neck and hands and, in a few minutes, eat through a man's clothing as well.

In September, 1917, Professor Walton was commissioned by the United States government and put in charge of all gas defense work in the nation. He supervised intensive gas training programs in army camps, and coordinated all instructional work in gas defense and the tactical use of gas here.

Job Advice Offered Co-eds



Miss Beulah Larkin, left above, occupational adviser to University of Wisconsin co-eds, confers with three undergraduates in her Lathrop hall office about the jobs the girls hope to win once they complete their University courses and are ready to step into the business world.

The girls being advised are, left to right, Joy Wilbur, senior in education; and Mary Enneking and Charlotte Irgens, letters and science sophomores. The aim of the conference and of Miss Larkin's work is to help girls in the college of letters and science in the University find jobs after graduation, and help the jobs scattered throughout the business world find Wisconsin co-eds.

Replacing Miss Margaret Price Hebard during the first semester

in the occupational work, Miss Larkin is continuing work begun this year in aiding the liberal arts students with their occupational guidance and job problems. Formerly the University had no money with which to employ such an adviser, but Louise T. Greeley, dean of women, obtained a sizeable gift for her department and is using it for the work. The new service for Wisconsin women really costs the University nothing.

Miss Larkin is working mainly with women enrolled in the general course, for it is the only field of study on the campus for which there is no organized placement work at present. Other specialized courses, such as home economics, journalism, and commerce, already have their own placement setups.

Bacteriologists Honor U. W. Men at Annual Meet

High praise for Dr. Ira L. Baldwin, professor of agricultural bacteriology and assistant dean of the College of Agriculture at the University of Wisconsin, was recorded at the 43rd annual meeting of the Society of American Bacteriologists held in Baltimore, Md., during the last few days of December.

More than 885 American bacteriologists attended the meeting, at which Dr. Baldwin was unanimously re-elected secretary-treasurer of the society for 1942. Dr. Baldwin, who has been convalescing in Florida for several months, was not present at the meeting, and when notified of his reelection, was forced to resign because of his ill health.

The society reluctantly accepted the resignation of Dr. Baldwin, and then proceeded to elect another Wisconsin staff member, Dr. William B. Sarles, associate professor of agricultural bacteriology, as its secretary-treasurer. At the same time, the society adopted the following resolution praising Dr. Baldwin for his work:

"The Society of American Bacteriologists considers itself to have been honored by the devoted and distinguished services which Dr. Ira L. Baldwin has rendered as secretary-treasurer. It has profited and prospered under his careful and considered guidance. The influence of the society has grown immeasurably. Its membership has increased extraordinarily. These are not the results of simple chance. They stem from the devoted industry and sympathetic guidance of a faithful and beloved servant of our science. In complying with Dr. Baldwin's wishes, the society accepts his resignation from office with genuine reluctance."

Dr. Baldwin served as secretary-treasurer of the society for the past seven years. During that period, the society's membership increased more than 40 per cent, and the size of its publications more than doubled.

With the election of Dr. Sarles to the position, it is revealed that of the four men who have served as secretary-treasurer of the society during the 43 years of its existence, two have been University of Wisconsin staff members and one a Wisconsin graduate, Prof. James Sherman of Cornell university, who received his master's and doctor's degrees from Wisconsin in 1912 and 1915. Dr. Sarles was born and raised in Viroqua, Wis., and graduated from Wisconsin in 1926. He also received his master's and doctor's degrees from Wisconsin, majoring in agricultural bacteriology. Following his graduation he taught at Kansas State college and Iowa State college before returning to Wisconsin as a staff member of the department of agricultural bacteriology.

Serves College Group

Warren W. Clark, associate director of agriculture extension at the University of Wisconsin, was chosen secretary of the agricultural section of the association of land grant colleges and universities for 1942. He was elected at the annual meeting of the association held recently in Chicago.

Diploma --

(Continued from page 1)

Burma Road; its destination Chungking, present Chinese capital, where Wisconsin's newest alumnus is engaged as aeronautical engineer and pilot.