



The University of Wisconsin press bulletin.

Vol. 35, No. 19 Sept. 23, 1942

Madison, Wisconsin: University of Wisconsin, Sept. 23, 1942

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Pre-Flight Training Is New Service for State High Schools

Acting upon the government's suggestion for pre-flight training in secondary schools, the University of Wisconsin, through the extension division, has introduced a new course, "The Science of Pre-flight Aeronautics," by correspondence study.

The new service is advanced as a means for giving to high school students a background for more advanced teaching required for the training of pilots, mechanics, and other workers in the field of aircraft. It was designed especially to help small schools which do not have teachers qualified for teaching in this technical field, and is being offered to school boards at a low fee to enable small schools to include this new subject in their curricula.

The course was written by a group of high school principals of extensive high school teaching experience who also have technical knowledge gained from University of Wisconsin aeronautics courses and hold ground-school instructors' certificates from the Civil Aeronautics administration.

The first part of the course covers theory of flight, airplane structure, and the airplane engine. The second part treats of meteorology, communications, and navigation. Each is in 16 assignments, which are based on government materials and on the text book, published this September, of the Aviation Education Research Group in cooperation with the CAA. A year's course in algebra and a year of physics are advised, and an additional year of mathematics is recommended to students taking the course.

Correspondence instruction in pre-flight subjects for secondary schools was endorsed by the U. S. Office of Education, which gave its opinion that "the use of 'self-teaching' materials is especially desirable in small schools where the group selected for study of pre-flight aeronautics is too small for an organized class."

Pre-flight and all other correspondence courses of the University are available to students in other states as well as in Wisconsin.

War Story on Home And Foreign Fronts Told in U. W. Films

The war effort is reproduced with vivid realism for Wisconsin schools and other groups through many sound and color films, of both government and commercial origin, distributed by the University of Wisconsin bureau of visual instruction. The bureau has been authorized by the U. S. Office of Education and the Office of the Coordinator of Inter-American Affairs to act as a depository of government films dealing with the war effort and related subjects.

Among the war films controlled by the state agency are three September releases: "Winning Your Wings," the Jimmie Stewart two-reel army air corps picture; "Western Front," a two-reel about China and her war effort; and "Men and the Sea," a picture about the men who man our merchant ships.

The war effort, including activities in production on the home front, the merchant marine, and other current subjects, also are brought into close view by pictures such as "Building a Bomber," "Building a Tank," "Men and Ships," "Offshore Patrol," "Men of the Coast Guard," "Target for Tonight," "Training Women for War Production," "Women in Defense," "Wood for War," "Work Centers for Victory," and a number of British and Canadian films.

All educational films distributed by the University are for 16-millimeter projectors adapted for schools, clubs, churches, and similar non-commercial showings. A small rental charge is made; for government films this is as low as 50 cents for the first subject and 25 cents for each additional subject sent at the same time.

The bureau recently issued a supplement to its catalogue listing the new films in all fields of interest. Its library now contains close to 1,500 subjects.

"Because of shortages of essential materials," said Dr. J. E. Hans, director, "it is important that schools that own motion picture equipment take extra good care of it in these times when it is increasingly difficult to obtain replacements. The situation can hardly grow better until the war is over. Care should be the watchword from now on."

Badger Newspapers Filed on Safety Film By Historical Society

The Wisconsin Historical Society at the University of Wisconsin is embarking on a program of filming newspapers on 35-millimeter safety films as a means of reducing its storage problem and also in order to prolong the life of the papers which are on wood pulp stock.

The well-known newspaper collection in the society's library and museum building in Madison now exceeds 50,000 volumes. Since representative papers from all over the world and 35 dailies and 220 weeklies published in Wisconsin are received by the society, the collection is growing at the rate of one large room each year.

The society is buying newspapers on film from the publishers where possible and is also beginning to photograph its Wisconsin dailies and weeklies. Film copies occupy about 2 per cent of the space of the original files and are as permanent as the finest rag paper. A reading machine is used to project the image of the film on ground glass. When the savings on binding and shelving are considered, it is cheaper to film the papers than to keep the bound files.

To Editor.—The news in this bulletin is prepared especially for the press and is released for publication on the date below. Please address exchange copies to Editor, 711 Langdon Street.

Release Wednesday, Sept. 23, 1942

Extension Faculty Releases Personnel To Serve War Cause

Members of the extension division staffs at Madison and Milwaukee are serving with the nation's armed forces, according to a recent summary of faculty inductions dating from 1941. The list includes:

Milwaukee Center: George A. Parkinson (assistant director in charge of evening classes), lieutenant commander, U. S. navy, commanding the U. S. S. St. Augustine; Victor A. Reinders (assistant professor of chemistry), A. C., U. S. army; H. Wilkes Wright (psychology), U. S. army air corps.

English: Lester F. Zimmerman, second lieutenant, army air corps, Randolph Field.

History: William Walsh, army air corps.

Geography: Robert Finley, instructor in army air corps, Randolph Field; E. M. Scott, U. S. army; Paul W. Icke and John Mathiesen, with the cartograph division, state department, Washington, D. C.; Henry S. Heimann, instructor in naval training at the naval officers' training school, Harvard University.

Mathematics: Harry Goheen, engineer, U. S. navy reserve.

Field Organization: Carl Engler, chief petty officers, U. S. navy, now stationed at Oshkosh for recruiting duty in Wisconsin.

Business staff: John J. Kammer (senior accountant), first lieutenant serving the war department at Fort Richardson, Alaska.

Visual Instruction: Mrs. Gregg Montgomery (assistant), private in the Women's Army Auxiliary corps.

ESMWT: Rollin M. Russell, Green Bay, in further training with the army signal corps at Northwestern University; the Rev. Fr. L. F. Jacobs, De Pere, instructor in radio with army signal corps, Chicago; Marshall Goff, La Crosse, with the cartograph division, state department, Washington, D. C.

Economics: John Lester Miller (associate professor), director of instruction (civilian status), Naval Training school (radio), U. S. navy, at the University of Wisconsin.

RETIREES TO WISCONSIN

H. A. Harding, widely known for his work in bacteriology, has established his permanent residence near Baileys Harbor, Wis., where he will engage in gardening and orcharding. Harding, a native of Green county, and one of the first men trained in dairy bacteriology in this country, graduated from the University of Wisconsin in 1896 and received his M. S. degree in 1898.

106 "U" MEN IN SERVICE

While enlistments are going on so fast that an up-to-date tabulation is impossible, the count of former University of Wisconsin letter winners now in service at present is 106. Former "W" men can be found in

Inequalities In Library Resources Bring Plea for State Assistance

If library service is to be effective in equalizing educational opportunity as well as to serve to the maximum as a morale builder and training aid on the home front, state financial support should be provided to supplement local library funds in many areas. This recommendation was made in connection with a recent survey of library service in Wisconsin, as reported by the Joint Committee on Education in Wisconsin, an organization embracing 17 statewide agencies promoting educational support on every level.

The findings are published in pamphlet form, available from Almere L. Scott, secretary, at the University of Wisconsin extension division, Madison.

The committee's recommendation coincides with the American Library Association's avowal for a state appropriation on a dollar-per-capita basis for aid to areas unserved by libraries.

"Wisconsin," the report points out,

"although one of the leading states in early library progress, still has quite a problem, especially in the rural areas, with 800,000 residents who have no access to local service of any description."

Equalize Service

"Just as the state department of public instruction recommends legislative action to allot the entire income of the common school fund to the purchase of school library books," it was pointed out, "so the Wisconsin Library Association recommends an appropriation for promoting, aiding and equalizing public library service which would allocate funds to the Free Library Commission, charging it with the responsibility of equalizing library service without permitting local re-service to lag."

Even with some state support, it was argued, local library service will continue to be very unequal, since with the per capita taxable valuation below the state average of \$1,408 in all but 24 counties, most counties, the report concluded, "cannot meet even the American Library Association's minimum of a dollar per capita for library service."

Some Have Good Services

Despite financial limitations, however, many communities were reported to have provided "astonishingly good library service," while, on the

THE UNIVERSITY OF WISCONSIN PRESS BULLETIN

The purpose of this Bulletin is to bring to the newspapers of Wisconsin and their readers—the people of the state—pertinent news and information concerning their State University. The University Press Bureau will gladly furnish any special news or feature stories to editors. Address letters to R. H. Foss, editor, Press Bureau, University of Wisconsin.

STATE DOCUMENT
WIS. LEG. REF. LIBRARY

Published bi-weekly by the University of Wisconsin

Sept. 18, 1942

Entered as second class matter Jan. 11, 1909, at the Post Office at Madison, Wisconsin, under the act of July 4, 1894.

Vol. 35 No. 19

MADISON, WISCONSIN

Work Hard, Be Ready to Serve Nation, Dykstra Tells 2,200 U. W. Frosh

The future of our country and the future of human organization and activity throughout the world depends in some degree "on what you believe and on what you do," Pres. C. A. Dykstra told the more than 2,200 young men and women of the 1942 freshman class as he welcomed them to the University of Wisconsin campus at the annual Freshman convocation held at the State University last week.

At Pres. Dykstra's request during the convocation, the freshmen, deans of colleges, and other University officials who were present stood for a minute in silent recognition of the "contribution to a future world of peace" made by former Wisconsin students who have already sacrificed their lives in the war.

"Many students who were on this campus last year and the before—yes, many who were seated last September just where you sit today—are in the far corners of the world or in training camps in this country," Pres. Dykstra declared. "Some have gone west. You are their successors. To you their torch has been given. These things make us thoughtful to-day and tempt us to remembrance.

Honor War Dead

"It would be fitting to call the roll of those who have gone before you and to tell their story. But you, too, have work to do and we must be about it. We do pause, however, for a moment to do honor to our boys who have made the supreme sacrifice, whether at Bataan, in the Coral Sea, at Midway, in Africa, or across the English Channel. Let us stand in silent recognition of their contribution to a future world peace."

Pres. Dykstra urged the first year students to work hard during their freshman year, to train themselves for the tasks of war as well as those beyond the war. He warned the

"It is to this spirit of hard work and responsible endeavor that I welcome this freshman class," he declared. "Let it be the hardest working class ever to come to this campus. You will find fun here and recreation to give you relief and joy. I am aware of this and glad, too. 'All work and no play makes Jack a dull boy.' Even the armed forces know this old maxim. But the armed forces ask what we ask—work when you work and then play. I have no apology, therefore, when I summon you to a year of work such as you have never done before."

Prof. Clausen to Teach Scandinavian at U. W.

Teaching of Scandinavian at the University of Wisconsin this year will be under the direction of Professor C. A. Clausen, who has a leave of absence from Wittenberg College, Springfield, Ohio, the department of Scandinavian languages at the University has announced.

Professor Clausen, who also taught Norwegian at St. Olaf college, Northfield, Minn., for many years, studied at the University of Oslo, Norway, and holds a doctor of philosophy degree from the University of Illinois, will replace Professor Einar Haugen who has given up most teaching for a full program of research to be carried on with funds from the Guggenheim fellowship award which he recently received.

all types of service and three of them have already given their lives for the cause of the United Nations.

U. W. Library Ranked Among Top 30 in U. S.

The University of Wisconsin library was ranked among the top thirty libraries of the United States on the basis of the excellence of its collections for the advanced study and research in 17 specified fields in a recent survey by the Board of Resources of the American Libraries of the American Library association.

In the survey, which was printed in the Library Quarterly, 500 authorities were asked to state where, in their opinions, the best library collections on 75 different subjects were located. Wisconsin ranked twentieth in the list of libraries which were most frequently mentioned, according to the listing in the quarterly. This listing ranked the libraries only by the number of fields in which they were outstanding, and not on the degree of excellence of any one branch of the library.

Libraries considered worthy of mention in one field or another numbered 250. The fields in which Wisconsin was considered by the authorities to be among the best included American, German, and Spanish literature; United States, Medieval, and English history; general economics, labor and industrial relations, public finance and taxation; scientific maps, entomology, bacteriology; agriculture, soil science, animal nutrition, and veterinary science.

U. W. Man Is Chosen to Give Science Lectures

Dr. C. A. Elvehjem, professor of agricultural chemistry at the University of Wisconsin, has been named by Sigma Xi, national honor fraternity for the promotion of scientific research, as one of five leading American scientists to be 1943 national lecturers for the fraternity. Dr. George A. Baitsell, secretary of the society has announced.

Chosen to address special meetings at universities and colleges throughout the nation, the eminent scientists selected will deliver their lectures during January, February, March, and April next year, and will discuss scientific subjects upon which they are authorities. The Sigma Xi lectures are annual events in the dissemination of newest, important advances in the selected fields of science.

Dr. Elvehjem will discuss "The Present Status of the Vitamin B Complex." He will explain that the vitamin B complex consists of at least a dozen separate factors, each of which can be obtained in pure form. He will report recent work on the use of sulfaguanidine, and the evidence of the synthesis of several B vitamins in the intestinal tract.

U. W. GRAD ON FCA

James E. Wells, Jr., has been named Deputy Governor of the Farm Credit Administration and among other duties will give special attention to short-term agricultural credit matters. Wells, a graduate of the University of Wisconsin in 1917, entered government service in 1927 when he was associated with the Division of Cooperation in the United States Department of Agriculture. He was made senior agricultural economist in the Federal Farm Board and was later transferred to the Farm Credit Administration.

U. W. Graduate Wins \$1,000 Chemistry Prize

Dr. John Lawrence Oncley, University of Wisconsin graduate in 1932, was recently awarded the \$1,000 American Chemical Society prize in pure chemistry, given annually for outstanding research work by a man or woman less than 36 years old. Dr. Oncley, 32, received the recognition for his contributions in the field of protein chemistry.

Born in Wheaton, Ill., he received a doctor of philosophy degree from the University of Wisconsin in 1932 and is at present an instructor in chemistry at Massachusetts Institute of Technology and an associate in physical chemistry at the Harvard medical school.

Electric Standards Lab at U. W. Serves State Power Users

Checking the accuracy of Wisconsin's electrical meters, serving as a consulting engineering agency for all state institutions and several state departments, and performing special tests for Wisconsin industries, the Electrical Standards laboratory at the University of Wisconsin is of service to every electricity user in the state, Royce E. Johnson, director of the laboratory, revealed recently.

The laboratory, which is cooperatively operated by the State University and the Public Service Commission of Wisconsin, has had an increasing opportunity to be of service as the number of electrical users has increased and as standards of satisfactory electrical service have been established, Johnson explained.

"It renders a service which can be furnished only by a laboratory having available the great variety of equipment found in laboratories of the electrical engineering department of a large educational institution," the director said.

The principal types of service rendered by the laboratory, he continued, are:

First: Standardization of meters for electric utilities. This work is of particular importance to the Public Service Commission.

Second: Consulting electrical engineering services for all state institutions and several departments are furnished by the laboratory staff.

Third: Miscellaneous special electrical tests are performed for Wisconsin industries for which other laboratories in the state are not equipped.

Fourth: The laboratory's activities furnish gainful employment and practical experience for between five and ten electrical engineering and other students. The laboratory equipment also provides facilities for electrical engineering courses and graduate research.

"The importance of accuracy of electrical meters used by public utilities in Wisconsin is illustrated by the fact that a uniform error of only one per cent in the calibration of portable standard meters used for testing house meters and power meters would affect over 750,000 meters and would have cost the people of the state about \$572,000 in 1940," Johnson revealed.

The consulting services of the laboratory enable other state departments to make considerable savings by not carrying a full-time engineer on their payrolls, he continued. He illustrated the service to industry by telling of special tests on porcelain products, household appliances, motors, fluorescent lighting fixtures, and emergency repairs on electrical instruments, field tests and surveys, and tests on electrical fence controllers.

Badger Accountants to Talk Accounting, War At U. W. Meeting Oct. 2

Public accountants from all parts of Wisconsin will consider problems of "Accounting and the War Effort" at the regular fall meeting of the Wisconsin Society of Certified Public Accountants to be held at the University of Wisconsin Oct. 2. The meeting is being held under the auspices of the State University's school of commerce.

Two out-of-state accountants will join accounting authorities from Wisconsin in leading discussions on the different phases of the subject. They are T. Coleman Andrews, Richmond, Va., and Ira N. Frisbee, Beverly Hills, Cal. Mr. Andrews will speak on "War Accounting and Auditing" at one of the morning meetings and will give the main address at the evening dinner on "The Accountant at Ease."

Mr. Frisbee will discuss auditing standards at an afternoon meeting.

Leading the discussion on "The Service of Accounting in Price Control" will be Prof. W. Bayard Taylor, Wisconsin state price officer and professor of finance in the University commerce school. Vern G. Zeller, director of the Wisconsin department of securities, will discuss "The Prescribed Audit for Security Brokers and Dealers," and following him will be William J. Peterson, member of the Wisconsin Council of Defense, and secretary of the Wisconsin state chamber of commerce, who will speak on "Current Problems Confronting Wisconsin Business."

Also on the program will be James L. Dohr, director of research for the American Institute of Accountants, who will discuss "The Effect of War on Financial Statements."

Military Training Course at U. W. Has Largest Enrollment

The largest enrollment in the history of the University of Wisconsin Reserve Officers' training corps is expected this fall by the military department of the State University, Col. H. H. Lewis, commandant, said recently.

With a larger number of military instructors than ever before, the department expects to train 2,282 cadets this year under the war department quota. This number will include 2,054 freshmen and sophomores and 228 advanced students from junior and senior classes, nearly twice the size of the department two years ago, and 278 more than last year.