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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.

November 29, 1933

Business Beckons To Men of Training U. W. Bulletin Says

Advance in Commercial, Industrial Fields Seen as Reward for Leisure Time Study

Asserting that both business and industry will have greater need than ever for well trained men in the next few years, the University Extension division held up the goal of special training before Wisconsin persons having ambitions for a career. In a new bulletin for distribution, extension officials listed many courses in business and industrial subjects which are taken by correspondence to fit men for advancement.

"Will the way you are using your leisure time prepare you for promotion or for a more desirable position in business or industry?" they asked. "Will your present daily program help you to meet successfully the problems that arise from the new social and economic order?"

Studies in Business Field

Suggesting ways of meeting these needs, the bulletin outlined many opportunities for special training. For the man in business, it recommended the extension course in "Business Management," which is designed to give a broad view of modern business organization and management. Other business courses listed, suitable for various aptitudes, give preparation for secretarial training, filing and indexing, business correspondence, book-keeping, accounting, auditing, advertising procedure, retail advertising, salesmanship, show-card writing, commercial law, investment principles, and other fields.

"If engaged in industrial work," the bulletin continued, "one need not feel that the door to his further advancement is closed merely because his preparation has not been equal to that which has been afforded to others. Through a course of training adapted to one's special needs, it is possible for him to be just as well prepared as they are. The University Extension division offers a wide range of engineering, industrial, and vocational courses to be studied at home."

Some Industrial Subjects

Among courses for industrial training were listed automobile operation and care, architectural drawing, aeronautics, shop sketching, estimating construction costs, electric wiring, storage batteries, concrete construction, steam engineering, heating and ventilating, plumbing, refrigeration, foundry metallurgy, and properties and uses of wood.

Students in these courses, the bulletin explained, proceed at their own pace, unhampered by others, and have opportunity to demonstrate a capacity for doing independent, self-directed work. They must make a written report on every assignment.

Effort, Educational Training is Big Aid, U. W. Students Told

Individual effort coupled with the valuable experiences of a university education will inevitably place the student in a desirable economic position, Fred H. Clausen, Horicon, president of the University board of regents, pointed out in his recent lecture to University of Wisconsin students on "The Job—Facing the Facts".

Mr. Clausen's lecture was the third in a series of six on "Significant Living", arranged by Y. M. C. A. and Y. W. C. A. organizations on the campus.

"Problems that face the young people of today are not radically different from those I faced upon leaving school in the panic of the '90s," Mr. Clausen reminisced. "At the 15th anniversary of our class we told how much we earned upon leaving school. One man worked for \$1 a day, another for \$20 a month, and the third said that he worked for \$1 a day but he never got it."

Unemployment Serious Problem

"Unemployment is a serious problem for the young person to face because he has never had such an experience. An older person, during the course of his life, has probably experienced temporary panics and depressions."

That the young graduate should not become discouraged if he cannot secure the type of work he likes was stressed by Mr. Clausen. It's the place he eventually finds in the economic order that really matters.

Farmers Individualists

"Government statistics show that 4,000,000 more persons are now employed than there were a year ago," Mr. Clausen pointed out. "Condemnation of the capitalistic system is not justified because it has failed us in one short cycle."

Two University of Wisconsin Law school graduates have been named to positions in the legal department of the housing division of the federal government's public works administration. They are Sam Becker, Milwaukee, and George Bunge, who was a Badger football star back in 1919-1921.

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.

MADISON, WISCONSIN

Vol. 29, No. 21

U. W. Tests Reveal Best "Treatments" to Make Concrete Waterproof, Resist Weather

What kinds of surface treatments are most efficient in making concrete foundations of homes, tall skyscrapers, or huge power dams most waterproof and weather-resistant?

Answers to this question, which mean a definite saving and greater security to citizens of state and nation, are contained in a recent bulletin of the engineering experiment station at the University of Wisconsin.

The bulletin is based upon compilation of data gained during the past eight years, and investigation during the past three years, by George W. Washa, instructor in mechanics at the University.

The research, which is of great importance to architects, contractors, engineers, and manufacturers of all kinds of concrete products, as well as the average citizen, reveals that all surface treatments resulted in a decrease of leakage no matter which kind of a score or more of surface treatments now on the market are used.

Value Varies Widely

But the value of the various treatments varies widely, with some treatments reducing leakage around 40 per cent and others reducing it very close to 90 per cent, it is definitely shown.

The leakage-reducing ability of the treatment depends upon the compound used and also on the method of application, Mr. Washa maintains, explaining that a compound properly applied giving good results might give very poor results if improperly applied, and that this ability of a surface treatment in making concrete most waterproof is dependent more on the individual treatment used than on any class of treatment.

Wisconsin Air is Battleground for State Radio Fight

Wisconsin air is virtually a battle ground if the struggle now beginning for the control of the state's radio holdings is any consideration. Educators, school-teachers, state officials, legislators, organized groups and private individuals, all incensed by the demands of two commercial broadcasters to force the state-owned stations off the air, have rallied to protect the state's rights.

The Federal Radio Commission has scheduled the hearings for January 8, in Washington, D. C. At that time, the commercial stations will endeavor to prove that their sponsored programs are more in the "public interest, convenience, and necessity" than the educational features offered by the state.

Edward Bennett, technical director of WHA, sums up the situation by saying, "There are in Wisconsin 15 radio stations. All of these, except WHA in Madison and WLRL at Stevens Point, are privately owned and are operated for profit. The state-stations are the only ones which do not inject advertising announcements into their programs. These are now the targets of business men who seek greater facilities for themselves at the expense of public holdings."

In addition to the 13 commercial stations within its borders, Wisconsin is served by similar broadcasters in neighboring states, all of which have entertainment and advertising as a chief function", declared Mr. Bennett. "The state-owned stations are decidedly unique in that their programs are instructional, rather than purely entertaining. If the State of Wisconsin is forced to bow to private interests by surrendering WHA and WLRL it will mark the end of the use of a device which educators acclaim the greatest potential assets to education since the development of the printing press".

U. W. Man to Preside at National Meeting of English Teachers Nov. 30

R. C. Pooley, assistant professor in the teaching of English at the University of Wisconsin, will preside at the opening session of the 23rd annual meeting of the National Council of Teachers of English to be held at Detroit, Mich., for three days from Nov. 30 through Dec. 2, it was learned today.

Prof. Pooley, who has gained a nation-wide reputation among schoolmen for his research in the field of modern English usage, is second vice-president of the National Council. He recently published a widely-quoted monograph on Modern Language Usage.

In addition to presiding at the opening session of the meeting, Prof. Pooley will act as chairman of a special conference on "Current Language Problems in the United States".

Five Wisconsin students at the State University were recently named candidates for appointment to the Rhodes scholarship, which permits the holder to spend three years of study abroad. They are Ernest Feidler, Superior; William Riley, Frank Burton, and Clarence Weiner, of Madison; and Nels Bailkey, Holcombe. Final selection for the honor will be made on the basis of character, scholarship, leadership, and athletic interest or activity.

Weather Aids One

The research also revealed that exposure to the weather decreased the leakage-reducing ability of all surface treatments tested except one—a sodium sulphate plus barium chloride treatment. The decrease in this ability caused by an exposure of two years, varied from 5 to about 80 per cent, but the treatment which was an exception to the general trend increased its ability about 70 per cent, all computations being based on original leakage values.

Dealing only with the application of surface treatments to the hardened concrete, the investigation was undertaken at the request of the American Concrete Institute in 1921. The Institute in that year appointed a committee to investigate concrete leakage and M. O. Withey, professor of mechanics at the University, was named to one of the sub-committees to study one phase of the problem.

First Tests in 1924

Under his direction the work on surface treatments was begun and first tests were made in 1924 and 1926. Retests were made in 1928 on specimens tested in 1926, while in 1931 and 1932 tests were carried out by Mr. Washa, who also assembled the data collected during eight years. All tests were made in the materials laboratory at the University.

Eighteen different surface treatment compounds were investigated, and the number of individual tests per compound varied from four to 14. From the tests the efficiency of the treatments and the flow after treatments were obtained, while retests gave the effect of out-door exposure on the treatments. The complete program required more than 250 tests.

No Depression in Jobs for U. Phy. Ed. Grads, Survey Shows

Sixty per cent of the students who last year obtained either their bachelor's or master's degrees from the department of physical education for women at the University of Wisconsin have gained positions in 18 cities scattered throughout the United States, a report compiled by Prof. Blanche M. Trilling, director, revealed today.

Of the 39 students who were granted either their first or second degrees last June, 24 have obtained positions, while three others remained in the jobs they were filling at the time they graduated. Most of the others are continuing their studies this year, while only one graduate has been unable so far to secure work.

Because of the well-known lack of positions due to the current depression, the record made by the department in placing its graduates in the field of work in which they have been specially trained is remarkable.

Following are members of last year's senior class who have been placed in positions by the department:

Geraldine Bremmer, now in settlement work, Association House, Chicago; Marion Broer, appointed instructor in physical education at Sophie Newcomb Memorial college at New Orleans, La.; Inez Christensen, physiotherapy aide, children's hospital, Madison; Lyndall Dammitt, instructor in physical education in the public schools of Pittsburgh, Pa.;

Marilla Egger, physical therapist, Lake View sanitarium and general hospital, Madison; Dorothy Ericson, instructor of physical education, Milwaukee university school; Elizabeth Flynn, instructor of physical education at Community School, St. Louis, Mo.; Ruth Riley, dance teacher, University of West Virginia; Doris Schouten, teaching in Stephens college, Columbia, Mo.

Eleanor and Lucille Sondern, both nursery school apprentice teachers, Purdue University; Dorothy Thomas, teacher in Unity school, Ogle county, Illinois; Kathryn Vallier, teacher in public schools, Milwaukee; Gladys E. Wines, recreation worker, Los Angeles, Calif.; and Billie C. Wood, settlement work, Chicago.

Eight of those receiving their master's degree have been placed in positions by the department. They are:

Constance Bleigan, appointed physical education instructor at the state teachers' college, Macomb, Ill.; Elizabeth Findley, instructor at New Trier High school, Winnetka, Ill.; Fae Flynn, physiotherapist, public schools, Madison; Florence Koepsel, instructor in public schools, Neenah, Wis.;

Harriet Kroncke, dance teacher, Arthur Murray studio, New York City; Catherine Schmidt, instructor in grade school at Schofield, Wis.; Doris Taylor, dance instructor, University of Missouri at Columbia; Janet Wood, dance and swimming instructor, Kansas State College at Manhattan.

Walster Heads N. D. Experiment Station

H. L. Walster, a native of Sauk county, and a graduate of the Wisconsin college of agriculture, was recently made director of the North Dakota Agricultural Experiment Station.

From 1912 to 1919, he was a member of the instructional staff of the soils department at the Wisconsin College of Agriculture, except for a year's leave of absence when he took special work at Harvard university.

Walster will serve as dean of the College of Agriculture as well as director of the Experiment Station, it was announced.

Wisconsin Dean Named Secretary

I. L. Baldwin, assistant dean of the Wisconsin College of Agriculture, was recently chosen secretary of the resident teaching section (agricultural) of the Association of Land Grant colleges at its annual meeting held at Chicago.

Baldwin, a native of Indiana, has been a member of the instructional staff of the Wisconsin college of agriculture since 1927 and became assistant dean in 1932.

Wisconsin Graduate Awarded High Post In Radio Institute

C. M. Jansky, Jr., Pioneer in WHA's Construction, Heads National Group Next Year

C. M. Jansky, Jr., one of a trio of Wisconsin scientists who developed WHA, the first educational radio station, at the University of Wisconsin, has been elected president of the American Institute of Radio Engineers for 1934. He is the eldest son of C. M. Jansky, professor of electrical engineering in the College of Engineering and Extension division of the University, receiving his bachelor's degree in 1917 and his master's degree in 1919.

Takes "Major" in Physics

A singular fact is that the recipient of this engineering honor took his major work in the College of Letters and Science, specializing in physics. He supplemented his studies in physics by courses in electrical engineering.

For eight years after 1920, Mr. Jansky taught communication engineering at the University of Minnesota. During the last five years he has been engaged in private practice as a consulting radio engineer in the East.

During radio's early years Mr. Jansky was associated with the late E. M. Terry and with Malcolm F. Hanson, later of the Byrd Antarctic expedition, in designing station WHA, and these three were the first to broadcast from an educational institution.

Makes Own Radio Tubes

Mr. Jansky is credited with having used a vacuum tube as a generator in an original oscillatory circuit, which at that time (1918) made radio-telegraphic communication possible over a wide range. He was also a pioneer, with Professor Terry, in the construction of vacuum tubes for WHA. At that time no vacuum tubes could be obtained on the market, and the Wisconsin engineers were obliged to manufacture their own. Their incursions in the field of glass-blowing and other unfamiliar lines constitute one of the interesting historical chapters on the beginnings of radio.

Women Students Invade Men's Professional Fields at State University

The last professional stronghold of men on the University of Wisconsin campus is being invaded more and more each year by women students, a survey of the number of women enrolled in the law and engineering courses has revealed.

With 17 women, most of them from Wisconsin homes, studying law this year, the Wisconsin Law school, whose classes were once filled exclusively with men, has enjoyed the largest invasion by women students. Two other women students are enrolled in the college of engineering, where they are studying chemical engineering.

Women students studying law this year are Olga Bennett, Viroqua; Mildred DeVries, Lake Geneva; Modesta Elmer, Margaret Reinhard, Christine Torkelson, Stella Whitefield, Mrs. Irene Alexander, Adelin Roth, Edith Dopp, Mrs. Marie Galle, and Mrs. Emily Thomann, all of Madison; Virginia Keefe, Oshkosh; Doris Lehner, Princeton; June Spearbaker, Clintonville; Vartak Gulbankian, Sturtevant; Verne Marie Kopplin, Iron River; and Rosalind Moore, Maplewood, N. J.

The two women students enrolled in the college of engineering are Margaret Donnelly, Terre Haute, Ind.; and Margaret Bardelson, Los Angeles, Calif.

Wisconsin Alumni in New York Hold Rally

Calling upon alumni the country over to encourage upstanding young people to attend the University of Wisconsin, the Wisconsin Alumni association of New York recently opened its season with a Wisconsin Rally in the Western Universities Club in New York City.

The program consisted of a half-dozen talks by alumni depicting the part the University has played in various fields of endeavor, such as education, research, social service, and sports. A film revealing "Wisconsin Life on the Campus" was shown.

In his message announcing the rally to members of the association, Carl Beck, president of the New York alumni, declared that "it is our opportunity to do something constructive" by enlightening friends who have children who are searching for a good college in which to obtain their higher education.

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Wisconsin Girl Wins High Honor in National Meet

U. W. Student is Second State Resident to Win National Honor

Doris Clark, Marinette county, has been chosen as the nation's outstanding 4H girl junior leader.

She was the Wisconsin representative in the national 4H club leadership contest and was chosen to receive the Moses Leadership Trophy, awarded annually to the nation's outstanding girl club leader. She will be presented with the trophy at the National Club Congress held in Chicago, December 2-9.

Miss Clark is the second Wisconsin 4H club girl to win the national leadership award. Miss Marion Dolan, Dane county, won the award in 1931. The boy's leadership award was won this year by a Oklahoma 4H club member.

At present, Miss Clark is a freshman student in the home economics course at the University of Wisconsin.

High School Eds to Get Advice on News, Business Problems

More than 200 high school newspaper and annual yearbook editors and business managers from high schools throughout Wisconsin will have an opportunity of hearing discussion on every conceivable kind of problem facing them when they attend the 14th annual High School Editors' conference to be held at the University of Wisconsin school of journalism Friday and Saturday, Dec. 1 and 2.

With each discussion centered around the idea that during the depression ideas for financing and publishing high school newspapers, magazines, and annuals are needed more than in normal times, 17 sectional meetings, tackling various editorial and business problems, have been crowded into the conference program this year.

Dr. Bleyer to Speak

The conference will open with a general session at 10 a. m. Friday, with Prof. Willard G. Bleyer, director of the Wisconsin school of journalism, speaking on "The Value of High School Publications".

A Faculty Advisors' luncheon will be held Friday noon, while the climax of the conference, the annual banquet, will be held Friday night. Following the successful plan inaugurated last year, delegates to the conference will furnish their own entertainment at the banquet with various humorous skits, music, and other features on the program.

17 Sectional Meetings