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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.

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MADISON, WISCONSIN

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Training In Use
Of Statistics Is
Offered By MailNew Extension Course Called
Aid to Advancement In
Special Fields

With the growing use of statistical analysis in the work of the world, the new extension course in elementary statistics is being offered by the University of Wisconsin Extension division to workers and students in this field of interest. Because statistical data are employed increasingly in business, economics, sociology, education, and public administration, it was pointed out, the need for special training in statistical methods is acquiring new importance.

The benefits of this study, given by correspondence, are being brought to the attention of many state and government employees by the Extension field office. Information also is furnished by mail from the University Extension division.

Is Aid for Examinations

The course was first offered last fall for the special benefit of persons needing a preparation for government examinations, since it covers the field with which a statistical clerk should be familiar, as well as the fundamentals for the senior statistician.

It may be taken for university credit by those who are qualified. For non-credit students the requirement is ability to do the work. The assignments, it was explained, are organized to promote an understanding of the proper modes of procedure in securing and organizing data, and to present conclusions to reveal the trend and meaning of data.

This correspondence course is available to students in any state. Text-books may be purchased, or, if desired, rented at one-third the list price.

NBC to Broadcast
State U. ProgramsGive Programs from Campus
on National Hook-Up

The University of Wisconsin will present several radio programs during the next few months over a nation-wide hook-up through the facilities of the National Broadcasting company, Pres. Glenn Frank has announced.

Although the exact date has not yet been set, the State University will go on the air with its first program early in February, the president said, with a second program to be given in April. The programs will be broadcast direct from the University campus and will be heard throughout the nation on a coast-to-coast network.

U. W. Band to Play

The programs are being prepared under the direction of Robert Foss, editor of the University News Bureau, and Frank Klode, in charge of radio. The University's concert band of 70 pieces, under the direction of Prof. Ray Dvorak, will furnish the music on the programs.

Each a half hour in length, the programs will aim to present, in popular style, various scientific developments and public services performed by the University. These programs will be presented in dramatized form, with some of the University's outstanding radio players taking part in the presentations.

Pres. Frank to Speak

Two dramatizations will be presented in the first program in February. One will tell the story of the discovery of the world-famous Babcock milk test, made by Dr. Stephen Moulton Babcock. The other will reveal the discovery of the irradiation of foods, such as milk, by Dr. Harry Steenbock, and the implications of the discovery for human health.

Both dramatizations will take listeners behind the scenes in the University's scientific laboratories, and in popular form reveal the mysteries of science. Pres. Frank will introduce the dramatizations with brief remarks at the beginning of the program, with Mr. Klode, who is president of the senior class at the University this year, doing the announcing.

Regents Approve 1935
Summer School Budget

A budget of \$108,455.85 for the 1935 summer session was approved by the University of Wisconsin board of regents recently.

In approving the budget, the regents restored to normal the rate of pay for summer session faculty members to the 15 per cent of the faculty member's annual salary which was in effect until two years ago, when reduced income forced a reduction of this to a 12½ per cent.

Although the regents approved the budget figure and normal pay rate schedule, they did not guarantee either, but made it plain in their action that the summer session was to be on a "pay-as-you-go" basis, that is, if the income from fees is less than that estimated in the budget, corresponding reductions would have to be made in operating expenses and pay schedules.

The regents also restored the leave of absence privilege to faculty members in their approval of the budget. This privilege permits faculty members in their approval of the budget. This privilege permits faculty members to teach in four summer sessions without pay, and then take a full year's leave of absence with pay, the salary being paid from the summer session trust funds.

U. W. Men Test Kerosene, Gasoline Lamps
as Economy Dictates New Demand for Them

Conducting tests upon kerosene and gasoline lamps, University of Wisconsin electrical engineers are aiding Consumer's Research, Inc., an organization which determines the comparative merits of consumer's goods for its subscribers. The tests are made by L. C. Larson under the direction of the Electrical Standards Laboratory at the University.

Due to the fact that many people in rural communities have been forced to forego the use of their own electric light plants or to sever connections with rural electric lines as economy measures, there has awakened an increased demand for improved kerosene and gasoline lighting facilities.

The tests yielded figures comparing the fuel cost of operating kerosene and gasoline lamps with the cost of operating electric lamps having a corresponding amount of light output.

Kerosene and gasoline consumption rates were measured. Each lamp was measured for its light output over a three to six hour period of use. The unit of measurement for determining the amount of light that a given lamp yields is known as the "lumen." A 60 watt, Mazda C lamp yields about 750 "lumens." On the basis of the number of lumens given, comparative figures were arranged in tabulated form.

Compares Lamp Costs

On the basis of one cent's worth of energy, kerosene at 13.9 cents per gallon, gasoline at 17 cents per gallon, and electrical energy at 8 cents per kw.-hr., it was found that the mantle-equipped lamps yielded a "lumen-hour" output at least equal to and sometimes double as much as that of a Mazda C lamp.

The fuel consumption costs of kerosene and gasoline lamps were com-

pared with the costs resulting from the use of electrical energy for lighting purposes. The figures did not include over-all comparative costs of lamps, maintenance and possible costs due to fire hazards.

Measure Light Quality

The quality of light available from various makes of kerosene and gasoline lamps was also measured and compared. The quality tests determined the percentage of colors—red, yellow, blue, and green—in the light as compared with those from electric lamps. Tests included measurements of how much light was absorbed by various types of shades. Shades may absorb from 10 to 30 per cent of the source light.

Kerosene Lamps Poor

Three types of lamps were tested. Kerosene lamps, with and without mantles, and gasoline mantle pressure lamps were studied. Mantles are made of silk or cotton fabrics so treated that when they are placed over a hot flame—such as produced by a kerosene wick or by burning gas—glow to incandescence, thereby yielding a light of very good quality. Kerosene lamps without mantles yield the familiar yellowish-red light which lacks considerable of the blue and green colors.

Tests showed that kerosene lamps without mantles not only yield a light of poorer quality, but their lumen outputs were less than 50 per cent of corresponding electric lamps. Mantle equipped kerosene and gasoline lamps gave a light whose color quality was superior to the light obtainable from an ordinary electric lamp; mantle lamps produce a color of light similar to that from blue colored incandescent bulbs; the latter are known as "day-light" lamps.

Establish Special
Fellowships at U.
for Cancer Fight

Income from the \$450,000 Bowman bequest will be used by the University of Wisconsin to establish a series of special cancer research fellowships for the time being, the University of Wisconsin board of regents decided recently.

Approving a recommendation of Pres. Glenn Frank, the board voted also to continue the special committee which it set up several months ago to decide in what ways the income from the fund could be put to the best use in cancer research work. Those on the committee are Pres. Frank, Dean Charles R. Bardeen of the Medical school, and Dean E. B. Fred of the graduate school.

Seek Causes, Cure

Establishment of the series of special cancer research fellowships is expected to permit the University to push forward its efforts to determine the causes and cure of that dreaded disease, cancer.

The fellowships will bring to the University scientists who are specializing in that field of medical research, and will add impetus to the work which is already being carried on by some of the country's outstanding medical scientists at the State University.

Income is \$12,000

Income from the Bowman fund, which was left to the University in the will of the late Jennie Bowman, Wisconsin Dells, who died about a year ago, will amount to about \$12,000 yearly at present, but is expected to become larger in future years.

The regents also adopted a resolution requesting Gov. Philip La Follette to appoint special counsel to represent the interests of the board of regents and the University in the matters involved in the estate of Miss Bowman.

12 Students Have
Won Kenneth Day
Award at State U.

Honoring 12 outstanding students since its inception in 1923, the Kenneth Sterling Day award will again go to the best qualified student this year. The award was established by Mr. and Mrs. Day of Cleveland, Ohio, for Wisconsin students in honor of their son, Kenneth Day, who died while attending the University.

Candidates for the award are chosen on the basis of their essential Christian worth as evidenced by the excellence of their moral character. Capacity to execute with precision and thoroughness those practical details which are necessary to the operation of religious forces; power to conceive and bring to pass significant and beneficial changes in the life of the student body; scholastic attainments; concern for physical well-being as is shown by the individual's interest in bodily exercises are the traits on which judges must select the candidate.

Award is Prized

Candidates are chosen by the Kenneth Sterling Day committee, appointed by President Glenn Frank. Members of the committee are Prof. George S. Bryan, chairman; Professors J. G. Fowlkes, H. C. Bradley, Ira L. Baldwin, T. E. Jones, R. R. Aurner, and Registrar F. O. Holt.

The award is in the form of a statuette of the earth, on which is written: "So long as earth shall bear names as these, so long shall hope remain." The winner's name is engraved on the globe representing the earth.

State Waterworks
Men to Meet at U.Study Principles of Public
Sanitation at U. W.

Operators of water works plants in cities and villages in all parts of Wisconsin are expected to attend the second annual short course for water works operators to be held at the hydraulic and sanitary laboratory of the University of Wisconsin, Feb. 11-15 inclusive, according to F. M. Dawson, professor of hydraulic and sanitary engineering, who is in charge of the course.

Special notices of the short course have been sent to public officials in about 200 Wisconsin cities and villages by Prof. Dawson, who said that the aim of the short course is to acquaint Wisconsin water works operators with the basic principles of public sanitation, which insure proper operation of community water plants.

Need Safe Water Supply

"A constant and safe water supply is one of the most important factors in the health of your community," Prof. Dawson wrote local officials. "The continuance of the very low death rate of water borne diseases in Wisconsin to a large degree depends upon the care with which the public water supplies are operated."

"To insure proper operation your operator must be well informed of the basic principles of sanitation," he wrote. "It is the aim of the second Wisconsin Short Course for Waterworks Operators to acquaint your operators with these principles and make it possible to give even better service than in the past."

Experts to Talk

Water works operators who attend the course will hear 17 lectures and participate in 13 experimental laboratory demonstrations during the five days of the course. The morning sessions will be devoted to lectures by experts on the practical problems of water works operators, while the afternoons will be given over to laboratory demonstrations. Both lectures and demonstrations will give the operators an unusual opportunity to get together and brush up on their work, Mr. Dawson said.

Sponsored by the Wisconsin section of the American Waterworks association and the League of Wisconsin Municipalities, the course is conducted jointly by the State University's department of hydraulic and sanitary engineering, the bureau of sanitary engineering of the state board of health, and the state laboratory of hygiene at the University.

U. Men Students
Beat Old Popeye
at Eating Spinach

Spinach makes the man, and Popeye the Sailor would have nothing on the men at Tripp and Adams halls at the University of Wisconsin if he were to drop in at the refectory some day when spinach is on the menu—10 bushels of the best, to put iron into the hearts of the hungry lads. Serving 550 men, this amount of muscle-building, vitamin-holding food is as nothing compared to the various amount of other foods which accompany it to the table.

At one meal it is necessary to serve 350 pounds of roast beef to satisfy the appetites of the 550 men. When roast pork is on the menu, the steward or director of commons and dormitories, D. L. Halverson, must order 325 pounds. He finds it necessary to have 200 pounds of steaks, net weight, or 125 chickens, sent to the refectory cooks when a change of menu is desired.

Fur Farming Course
Now Offered at U. W.

Fur farming will be the subject of a new course to be offered at the University of Wisconsin college of agriculture this year, according to an announcement by Ira L. Baldwin, assistant dean.

The course, which will be given during the last half of the second semester of the present academic year, will consist of a study of raising fur bearing animals, during which trips will be made to near-by fur farms to study first-hand practical methods now in use. The course follows that of game management offered during the first half of the semester.

With fur farming gaining in popularity as a specialized farm industry throughout Wisconsin, it is expected that a growing interest will develop in the course.

Drama Groups
Will Present PlaysGroups in 17 Counties to Give
Plays at Festival

Six of the best one-act plays selected from the productions of more than 250 Wisconsin rural communities will be presented at the eighth State Rural Drama Festival to be held on February 8 during Farm and Home Week at the University of Wisconsin college of agriculture at Madison.

Casts in 17 counties are now participating in local contests. Three judges, C. L. Lees of the University speech department, Halbert Graves of the school of education, and Miss Irma Borchers, West Bend, will visit the county finals and select the plays to be presented at the state festival.

The 17 counties that are entered and their local leaders are: Dane, Mrs. George Mitchell; Dodge, George Miller; Douglas, Mrs. C. R. Olson; Dunn, D. P. Hughes; Green, Mrs. R. J. Douglas and Mrs. Ray Pavlak; Green Lake, Fred C. Page; Iowa, C. A. Ladd; Jackson, Douglas Curran and Miss Grace Webb; Juneau, Manley Sharp and L. C. Banker; Marathon, Miss Edith Bangham and Mrs. Henry Koerten; Outagamie, R. C. Swanson and Mrs. Schaeffer; Richland, Mrs. Foster Patch and Mrs. Harry Dicks; Rock, R. T. Glasco; Trempealeau, Mrs. Albert Erickson; Vernon, R. A. Power and J. Aussen; Waushara, Robert R. Jones; and Winnebago, Miss Jean McFarlane.

The plays to be presented will be demonstration plays selected with the idea of demonstrating for Farm and Home Week visitors the different types of drama that may be presented in local communities.

U. W. Accepts Funds to
Continue Hormone Work

The University of Wisconsin board of regents recently voted to accept a total of \$57,500 from the Rockefeller foundation to continue the University's program of research on hormones—the glands of internal secretion in the human body.

Funds for the research formerly came from the National Research council, out of funds provided by the Rockefeller foundation. A rearrangement of procedure brings these funds direct from the foundation instead of through the council as before.

The funds permit F. L. Hisaw, professor of zoology; L. J. Cole, professor of genetics; and E. L. Sevringhaus, associate professor of medicine, to continue research on hormones or internal secretion glands which, it is thought, control the growth and actions of the human body. There are about a dozen of these glands in the body, and the secretions of some of them have already been isolated by scientists, such as thyroxin and adrenalin.

Vandervest Appointed
St. Croix County Agent

Walter L. Vandervest, a native of Kewaunee county and a graduate of the University of Wisconsin, class of 1926, has been appointed county agricultural agent of St. Croix county to succeed Glenn W. Lycan, who resigned to accept a position as agricultural agent in Sheboygan county.

Vandervest comes to the position with intimate first-hand knowledge of agricultural conditions in St. Croix county, having been a field man in that area for a pea canning company.

Following his graduation from the University where he took graduate work in agronomy, Vandervest assisted with crop experimental work under E. J. Delwiche, at the state branch experiment stations at Ashland Junction, Spooner and Sturgeon Bay.

TAKE BIG 10 ACTIONS

An amendment to Big Ten conference rules which permits any conference university to compete with any non-conference institution whose freshmen engage in athletic contests with freshman teams of other schools, was approved by the University of Wisconsin faculty at its recent meeting.

The amendment was adopted by the Intercollegiate conference at its meeting in Chicago last December and was referred to Wisconsin and other Western Conference faculties for action, along with a second amendment to present Big Ten rules, which was not approved by the Wisconsin faculty

U. Regents Act to
Reduce Waivers of
Low Paid Empl'yesTo Restore Partially Pay Cuts
of U. Employees Earning
\$3,000 or Less

The University of Wisconsin board of regents recently adopted a resolution which aims to reduce at least partially for part of the remainder of this fiscal year salary waivers of all faculty members and employees of the University receiving normal compensation of \$3,000 or less.

At the same time, and because of the adoption of the resolution to reduce the salary waivers of the lower paid faculty members and employees, the regents turned down the request of the 1934 summer school instructional staff for additional compensation for their services. In the resolution which they adopted denying the request, the regents declared that additional compensation was not authorized by them.

Frank Suggests Action

Pres. Glenn Frank presented an analysis of funds that will probably be available for waiver relief during the second semester of this year, and presented the recommendation providing for such relief to the regents.

The president told the regents that until receipts from fees for the second semester are known, and commitments for additional instruction to carry the added teaching load due to increased enrollment have been made, no action as to the definite amount of the waiver reduction can be taken, but he asked the adoption of the resolution at this time so that he could move promptly in determining the detailed plans for this relief as soon as second semester receipts are known.

Aid Shop Workers

The resolution definitely provided, however, that a reserve of \$12,000 should be maintained in the regents' unassigned fund to cover contingent needs, and that 16½ per cent of whatever amount is available be devoted to wage income relief for shops' employees employed on an hourly basis who constitute 13 per cent of the number of employees at or under a normal rate of \$3,000.

The present University salary waiver schedule, which has been in effect for two years now, ranges from 12 to 20 per cent on a graduated income scale, beginning with the first \$500 of salary.

Present Resolution

Following is the complete resolution presented by President Frank and adopted by the regents on waiver relief:

"Moved that, when the receipts from fees for the second semester are known, and the commitments for additional instruction to carry the added teaching load due to increased enrollment have been made, all funds in Regents' Unassigned beyond a reserve of \$12,000 to cover contingent needs, be devoted to relief of salary waivers and wage-income reductions for all employees of the University at a normal salary of \$3,000 or less, that 16½ per cent of the amount available be devoted to wage-income relief for shops' employees employed on an hourly basis who constitute 13½ of the number of employees at or under a normal rate of \$3,000. The above allotment is made in view of other funds available for work by service departments during the remainder of the year."

Junior 4H Rangers
Start New ProjectWill Grow Transplants for
Shelter Belt Planting

Wisconsin junior forest rangers will grow their own transplants as part of their work this year.

Due to the heavy demands made upon the state nursery for transplant stock for other projects, junior forest rangers are faced with the necessity of growing their own planting stock. Under the plan recently outlined by Wakelin McNeel, junior extension forester at the University of Wisconsin, junior forest rangers will receive their seedlings from the state nurseries which they will plant in transplant beds where they will grow them to larger size, ready for transplanting in the open.

Another part of their program will include the planting of seeds of the deciduous trees such as rock elm, red oak, ash, and hard and soft maples. From these seeds they will grow trees to transplanting size ready to be used for wind-break planting, home beautification, home forest, and school forest work.

Many of the rangers located in the southern half of Wisconsin will grow black walnut, a tree variety which has been gaining in popularity in that area. Many of the junior forest rangers have clubs of their own, while others carry on the forestry project as members of other regular 4H clubs.

Monday.

The second amendment which the Wisconsin faculty failed to approve related to the number of years that a student may participate in intercollegiate athletics, which under the rules is three years. The change would make a college year consist of successive twelve-month periods following the opening day of the first semester or term in which the student is registered after his original attainment of eligibility, and not following matriculation, as at present.