



The University of Wisconsin press bulletin.

Vol. 29, No. 25 December 27, 1933

Madison, Wisconsin: University of Wisconsin, December 27, 1933

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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.

December 27, 1933

Name 18 Leaders To Start Project In Drama, Music

Extension Division Selects Area Supervisors in Statewide School of Recreation

Eighteen trained men and women have been selected to launch the statewide adult education project along the lines of drama, social games and group dances, and music, it was announced at the University Extension headquarters.

Fifteen of these workers will be posted in their various centers throughout the state where they will be district supervisors in five regular Extension division districts. The remaining three will be posted in Milwaukee. This recreational project in adult education is made possible by the Federal government's civil works administration with the idea of enriching the lives of all within its range.

Has University Leadership

The drama work is under the general supervision of the Extension Bureau of dramatic activities, of which Miss Ethel T. Rockwell is chief. The supervisors in music were selected by Prof. Edgar B. Gordon and are under his supervision. The supervisors of social games and group dances were selected by Professors Blanche M. Trilling, Katherine Cronin, and A. L. Masley, under whose leadership they are working.

Miss Rockwell was aided in the selection of drama supervisors by Professors Andrew T. Weaver, William C. Troutman, and Gladys Borchers. Professors J. H. Kolb and A. F. Widener have acted in advisory capacity.

In district No. 1, the Madison area, the following supervisors have been placed: Mrs. Grace Southern Jacobson, for dramatic activities; Miss Marion Hering, in music; and Joseph P. Wergin, in games and dances. Janesville is the present headquarters for this district.

In Lake Shore District

In district No. 2, the lake shore district, Beaver Dam has been selected as present headquarters. This district is being served by Miss Betty Glassner, drama; Miss Katherine Vea, music; and Miss Helen Gormley, games and dances.

In district No. 3, the Appleton area, Marinette is present headquarters. The supervisors are Miss Katherine Pratt, drama; Daniel Vornholt, music; and Miss Leila Sinaiko, games and dances.

In districts 4 and 5, the Eau Claire area, headquarters have been established at Ladysmith. Hugh Saries has been selected drama supervisor; Frank Martindale music supervisor, and Parnell Nelson supervisor for games and dances.

Available to Any Community

In the La Crosse area, district No. 6, headquarters are at Tomah. Edward Higbee is drama supervisor; Miss Elizabeth Rothermel music supervisor; and Willard Austin, supervisor for games and dances.

The Milwaukee leaders are Henry Youngerman, drama; Miss Charlotte Flint, social games and dances; and Miss Nell Sullivan, music.

These supervisors are available to any community or adult group which wishes to use their services in promoting activities in any of the three recreational fields. The aim of the adult education project is to introduce to the people of the state a greater diversity of recreational activities.

New Short Courses in Public Works Offered

To afford a practical training in public works construction, the Extension division of the University of Wisconsin will offer four short courses, newly written, beginning about January 1, an announcement said today. For a brief period the new courses, which are taught by correspondence study, will be offered free of charge to a limited number of unemployed men first applying. For others a small fee will be charged.

The courses, of 8 lessons each, include construction of highways, construction of sewers, construction of water supply systems, and plain concrete construction.

As a feature of the university's adult education project in the civil works program, the preparation of these courses has used the services of several engineering college graduates. It was supervised by the extension department of civil and structural engineering.

"The purpose of these short courses," said Prof. H. E. Pulver, of the department, "is to offer training in methods in four types of construction work so that the men taking them will be prepared to secure positions and do good work. The courses should be especially valuable to foremen and assistant foremen. Registrations will be taken early in January, and the free tuition will be offered to only a limited number of unemployed men in the order of their application."

Betty Daniel, Wauwatosa, who is majoring in physical education at the University of Wisconsin, was chosen Queen of Sports at the State University recently. She will reign at the annual football banquet to be held when classes reconvene after the holidays.

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

Human Body Differences Revealed at U. W. May Lead to Discovery of Cure for Stuttering

Certain metabolic differences in the human body system which may lead to a discovery of the causes and cure of that age-old affliction of mankind, stuttering, have been revealed by research and experimentation at the University of Wisconsin.

The investigations have been carried on by Dr. George A. Kopp, research associate, who has based his work on the assumption that stuttering is caused by certain inorganic deficiencies in the blood.

Dr. Kopp has carried on innumerable analyses of various kinds during the past year, and a large number of persons afflicted with stuttering have permitted themselves to be used in the tests.

Work Not Finished

Although certain metabolic differences have been found that are encouraging, Dr. Kopp emphasizes that the ultimate purpose of the studies has not been achieved so far. The ultimate goal of the studies is to find a means of stopping stuttering at its beginning by a reversal of the body processes that precipitate the disorder.

Results of studies of the blood, alveolar air, and urine of stutterers are told by Dr. Kopp in his first comprehensive report of the research. Cod liver oil, ultra-violet light, viosterol with calcium lactate, and Collip's parathormone were used to increase the blood serum calcium, a possible disturbance which might have been a factor in causing stuttering.

Stutterer is Excitable

"The study of the blood was centered toward finding something that would in some way account for the irritability of the stutterer," Dr. Kopp explained. "It is obvious that he is more easily stimulated than the normal and his body seems to stay in an emotional state.

"It was believed at first that this equilibrium of the blood was disturbed because of low calcium, and the use of parathormone temporarily arrested the stuttering when the total serum calcium was raised. But after analyzing 31 stutterers for total serum calcium, they all appeared to be normal. So a more complete blood study was begun this year, and the calcium was divided into its diffusible and non-

diffusible portions. It was finally determined that the stutterers' total blood calcium and the non-diffusible calcium were reliably higher than the normals, while there was little or no difference in the diffusible calcium."

Stuttering is Mystery

The research revealed that high blood sugar is an indication of the emotionality of the stutterer, but the effect of the continued increase in blood sugar on the pressure of the blood and the resulting effects on blood proteins and other blood constituents cannot at this time be evaluated, Dr. Kopp said.

The study of the urine of stutterers revealed nothing of an abnormal nature, while the alveolar studies showed the stutterers to be little different from the normals, with the gas exchange in the lungs appearing normal.

"The fact that the stutterer is such a surprisingly normal human being in every way, excepting speech, explains why the impediment has remained a mystery throughout the centuries," Dr. Kopp declares. "Factual knowledge concerning stuttering can be stated in only a few sentences. But this study reveals certain metabolic differences that are encouraging to our attempts to solve this malady. These differences will be tested by other laboratory tests and attempts will be made to make the stutterers' blood pattern like that of normal persons."

Experiments are Continued

Experiments that are now being carried out, according to Dr. Kopp, include the feeding of glucose to a stutterer and observing the blood phosphate, protein, calcium, and potassium. If it is found that the phosphates increase with the blood sugar, then our findings of this study will be verified, he said.

Also acidosis and alkalosis will be produced in the stutterer and the shift in electrolytes will be noticed, and it is also planned to repeat the experiment in which an amino acid was administered to a stutterer over a period of two weeks, extending the time to a three months period and increasing the dosage. Metabolism studies of stutterers on weighed diets are also planned.

Many Wisconsin Students Awarded Degrees at U. W.

Bachelor and higher degrees were granted to 29 students from Wisconsin homes by the board of regents at its recent meeting. Besides the Wisconsin students granted degrees, 20 students from 11 other states and two foreign countries obtained their diplomas.

Among the Wisconsin students who were given their degrees and the degrees for which they have completed their work are the following:

George I. Schefelker, Stoughton, bachelor of science in pharmacy; John A. Righino, De Pere, master of arts; Beatrice F. Brooks, Pound, and Donald F. Gillies, Glen Flora, both granted master of philosophy degrees.

Mark S. Catlin, jr., Appleton, and John D. Germann, jr., Monroe, both obtaining their bachelor of laws degrees; Earl A. Mittelstaedt, Athens, bachelor of arts in journalism; James H. Larsen, Nekoosa, bachelor of science in civil engineering;

Lorenz A. Leifer, Plymouth; John A. Schaller, Barneveld; and Harry E. Wolcott, Sharon, all obtained the degree of bachelor of science in electrical engineering.

Martin A. Abrahamsen, Wittenberg, and Robert G. Dunbar, Elkhorn, both were given the master of arts degrees; Peter G. Killian, Kaukauna, was granted the degree of master of science in electrical engineering; while Alfred T. Goble, River Falls, obtained the degree of doctor of philosophy.

Madison students obtaining their degrees were Russell H. Fitzgibbon, Theodore D. Tiemann, and Perry E. Mayer, all of whom were granted their doctor of philosophy degrees; Eugene E. Dixon and Francesca Paratore, bachelor of arts degrees; Gordon Sinsky and Edgar M. Alstad, bachelor of laws degrees; Louis L. Bambas, master of science; Willard H. Reuss, master of science in electrical engineering.

Milwaukee students obtaining their degrees were George B. Putney, bachelor of arts; Gretchen M. Zierath, bachelor of arts in journalism; Harry S. Belman, master of arts; and John F. Kienitz, master of science.

Approximately 200 high school editors who attended the recent annual Wisconsin High School Editors' conference at the University of Wisconsin, seemed to be greatly interested in the many sectional meetings at which newspaper and yearbook problems were discussed, and were much impressed with the State University's school of journalism and the offices and plant of The Daily Cardinal, Campus student daily newspaper.

A Christmas play, "When Santa Comes", was given just before the Christmas holidays by women students majoring in physical education at the University of Wisconsin. Proceeds from the play went to the Elizabethtown scholarship fund for the aid of needy students. Crippled children being treated at the University's State General hospital were guests at the event.

Many Endorse Course

Cooperating with the members of the University department of hydraulics and sanitary engineering in sponsoring and arranging for the course are the Wisconsin section of the American Waterworks association, the bureau of sanitary engineering and the hygienic laboratory of the state board of health, and the Wisconsin League of Municipalities.

Establishment of the four-day course at the University was originally suggested and tentatively outlined at the October meeting of the Wisconsin section of the American Waterworks association in Racine, and received the wholehearted endorsement of that organization.

Betty Daniel, Wauwatosa, who is majoring in physical education at the University of Wisconsin, was chosen Queen of Sports at the State University recently. She will reign at the annual football banquet to be held when classes reconvene after the holidays.

Sewing

Their Way Through School is Latest Project of U. W. Women

In order to help women students who want to earn part of their way through school by sewing find work among other women students who have some sewing they want done, the Women's Self-Government association at the University of Wisconsin is undertaking a "sewing contract" project, it was learned today.

The association is working in cooperation with the University student employment office, which furnishes the names of those women students who desire to earn part of their expenses by sewing.

Sewing work to be done includes the making of various kinds of women's clothes and accessories, mending, and altering of dresses. With the aid of the association, the work is expected to bring considerable income to women students who can sew and who need to earn part of their expenses.

Rural Music Groups to be Heard Soon in State Radio Hook-up

Farm men and women, members of rural chorus groups, will bring into Wisconsin homes their messages of song in a series of broadcasts to be presented over state radio stations WHA Madison, and WLBL, Stevens Point, beginning January 1.

These rural chorus presentations designed to show what rural groups throughout Wisconsin are doing to develop musical talent, will be broadcast during the regular farm program from 12:30 to 1:00 noon. They will be given by chorus groups of Dane county under the supervision of John Mael, in charge of the entire music work of the Dane county federation of rural clubs.

Wisconsin is rapidly becoming an outstanding state in its rural music work with choruses, orchestras, and bands organized throughout the state. Both 4H groups and adult rural groups now climax their yearly program with annual state festivals.

The first of the broadcasts in this rural chorus series will be given New Year's day by the Daleville Civic Chorus, directed by the Rev. I. A. Lavick. The remaining numbers in the series will be given as follows: January 10, the Middleton Civic Chorus, directed by Mrs. Verna Hilgers Haberman; January 17, the Mazomanie Civic Chorus, directed by Mrs. H. E. Trager; January 24, the Sun Prairie Civic Chorus, directed by Miss Ulrich.

Wisconsin Radio Petition Reflects Roosevelt Ideas

The State of Wisconsin is asking the Federal Radio Commission to grant it the radio facilities needed to continue its progress in the direction of the ideal envisioned by President Roosevelt in a recent letter to an official of a large broadcasting organization.

"Radio is," wrote President Roosevelt, "an invaluable instrumentality for public service. Its values to the country are manifold—educational, recreational, entertaining, and serving also the common needs of the people and the Government."

"Despite the splendid advancement made in recent years in the science of radio, I do not concede that it has yet been developed to the point where it approaches a full utilization of opportunities that it has in store for service to mankind."

Wisconsin is seeking permission to broadcast half-time on the cleared channel now held by WMQ, Chicago. The new station would be centrally located, near Stevens Point, and serve the entire state.

If the petition of either of the two commercial stations now seeking to put the state-owned stations off the air is granted it will end the march of progress in educational, no-advertising broadcasting for Wisconsin. All stations in the state, except WHA and WLBL, are supported by advertising revenue. These two state-stations are free to experiment in the development of educational features without feeling the compulsion of advertisers for mass audiences.

The Federal Radio Commission, in Washington, has received many complaints from Wisconsin people who openly oppose the actions of commercial stations in trying to abolish the state's educational stations to further private interests. The hearings before the commission are scheduled for January 8, in Washington.

Pres. Frank, Six U. W. Faculty Members Talk to State Schoolmen

Six members of the University of Wisconsin faculty in addition to Pres. Glenn Frank addressed the hundreds of Wisconsin educators who attended the annual state Schoolmen's Conference held in Madison recently.

Dr. Frank spoke at the annual banquet meeting of the schoolmen. The subject of his address was "The Recovery and Reconstruction of America". John Callahan, state superintendent of public schools, and ex-officio member of the University board of regents, presided at the banquet meet.

Other faculty members who ad-

Parasites Menace Game Fish in Wisconsin Lakes

U. W. Man Makes Study to Aid Fish Conservation in State

Playing "host" to various kinds of parasites constitutes a real menace to the millions of game fish in Wisconsin lakes and streams, a study of the fish parasite relationships in the Trout lake region of the state has revealed.

The study was made by Samuel X. Cross, Madison, who recently obtained his doctor of philosophy degree from the University of Wisconsin. As a part of his work for his degree, Mr. Cross made an exhaustive study of the fish parasite relationships in various lakes of the state.

The study constitutes one phase of the work now being done by the Wisconsin Natural History survey in its attempt to guard Wisconsin's well-established reputation as recreational center of the middle-west. That reputation has gradually grown into one of the state's major "industries," netting the state, especially the northern part, millions of dollars in income each year.

Examine 4,400 Fish

Results of the study are based on an examination of more than 4,400 fish collected from 14 lakes. Intestinal, flesh, and external parasites were counted. In addition, a study of parasites on 125 fish-eating birds are included in the survey, which shows some of their importance as disseminators of the flesh parasites that often make otherwise good pan fish undesirable.

The study shows definitely that game fish which are heavily infected with parasites have a much slower growth, and do not attain either the length or weight of fish which are only slightly infected with parasites. In every case fish with light infections are more than 10 per cent longer and more than one-third heavier than those with heavy infections of parasites, the investigations showed.

Many of the fish studied were so heavily infected internally that they gave the intestinal contents the appearance of being made up of about 50 per cent black pepper, while many others were seen in which it was difficult to see how it was possible for the heart and kidneys to function when so much of the host tissue had been replaced by parasite cysts.

Birds Carry Parasites

The study also revealed that most of the birds that eat fish are carriers of one or more parasites that enter fish during part of their life cycle.

Pointing out that there has been some agitation among sportsmen to open the hunting season on the great blue heron, which has been accused of carrying parasites to fish, Mr. Cross declares that such action would not result in any lessening of parasitic fish in lakes and streams of the state. The parasites which infect the fish are carried by all of the true fish-eating birds examined, and not alone by the blue heron, he said.

Three Badger Counties Help Supply Data for Federal Rural Relief

Administrators of public relief in rural areas will, in the future, have a better understanding of the task before them as the result of facts gathered from rural relief surveys made in 166 agricultural counties throughout the United States, according to E. L. Kirkpatrick, rural relief advisor of the federal emergency relief administration.

Three Wisconsin counties—Green, Portage and Sawyer—are included in the 166 counties from which data either has been or will soon be gathered. Some of the projects to come under the program for relief, it is expected, will be designed to aid the rural areas. Destitute farmers and jobless workers in rural communities will be given jobs on these projects and paid wages, Kirkpatrick suggests.