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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.

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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Crime, Delinquency Problems Listed On Conference Program

Causes and conditions behind juvenile delinquency and crime, suggestions for new patterns of conduct to reduce social losses, and a program for applying effective forms of treatment to the whole problem are to be discussed at the third Wisconsin Crime Control conference, April 21-22, at the Memorial Union, University of Wisconsin.

The conference theme, "Local Organization for the Prevention of Delinquency and Crime," will center around the influence for prevention exerted by three major contributing agencies: The family, the school, the community.

O. S. Loomis, **Mauston**, is acting chairman in the absence of Prof. A. L. Gausewitz, of the University of Wisconsin Law school, the conference chairman, and Prof. Chester Allen, of the University Extension division, is secretary.

"The 1939 conference," the preliminary announcement said, "will emphasize the prevention of criminal tendencies rather than their repression after they have been developed. There will be three formal papers during the two days, each to be followed by several hours of discussion, and a discussion leader will preside over each program. One evening will be devoted to a general public meeting addressed by a speaker of note."

List Discussion Questions

A large number of provocative questions relating to each major topic have already been submitted to the committee for consideration in building the program. Sample questions pertaining to home and family influences include:

What official or organization can educate parents to provide the child with personal satisfactions of achievement, rather than to punish or otherwise resort to negative treatment?

Is the age limit for licensing drivers too low? Can parents be aided in understanding the dangers of the automobile to youthful morals?

Could routine procedure be established to encourage church affiliation and participation in church activities?

Can Character Be Taught?

The following are typical of questions for the school section:

What courses should be given in teacher training institutions to inform teachers of conditions in schools causing maladjustment?

Can character be "taught" in schools, and if so by what means?

Has the state department of education a program?

What department of the schools should have the responsibility of working with the home?

To what extent can the P. T. A. be utilized for carrying out treatment (for maladjustment)?

Questions on the community's relationship include:

Should state services set standards for local services?

Shall the state set up a system that shall undertake to do all the county probation work, and if so shall the same officers operate it or should it be under a separate juvenile department?

Study Juvenile Problems

What are the problems of juvenile delinquency that confront the police? How can they be dealt with? What are the financial requirements of an adequate program?

Which if any community organization should have the responsibilities and powers of leadership in utilizing all community services toward prevention? The school? The police? Children's boards? A coordinating council? County welfare departments?

Should municipal and county police be merged to provide for uniform licensing and supervision of dance halls and taverns?

What are the present facilities for the treatment of juveniles in Wisconsin?

Is the extension of the CCC camp advisable as an agency of crime prevention and the strengthening of American democratic institutions?

What are the merits or demerits of the program distributed by the National Americanism Commission of the American Legion under the title, Our Children's Future?

Name New Women's Dormitory At U. W. After Former Regent

The new women's dormitory now under construction at the University of Wisconsin will be known to future generations of Wisconsin students as "Elizabeth Waters Hall," it was decided by the State University Board of Regents at its recent meeting. The regents decided to name the hall after the late Elizabeth Waters, former University regent and for 40 years a teacher and principal in the Fond du Lac schools. She served the University and the State as a regent for 14 years, from 1911 to 1913 and from 1921 until her death in 1933. During the times that she attended regent meetings at the University, she almost always spent a night at one of the women's dormitories, and visited a day or more with the dormitory residents, giving the young women advice and counsel on their problems.

U. W. Tests Predict Strength of Castings More Accurately; Seek Safety, Economy

With an eye toward predicting the influence of shape and size on the strength of castings, Professor Raymond S. Roark, and Richard S. Hartenberg of the University of Wisconsin's Mechanics department, working together with Professor of Mechanics Rex Z. Williams of the Missouri School of Mines, have recently completed an extensive program of research and experimentation on the subject.

The investigation was confined to cast iron and other relatively brittle materials which fail by rupture rather than through serious plastic deformation. Through the ability to predict more accurately the strength of castings, structural and machine designers should now be able to avoid many of the serious and costly accidents caused by heretofore unpredictable breakage of parts.

Seek Accurate Tests

The primary purpose behind the tests was to devise a means for calculating more accurately the breaking strength of the complicated castings, in particular, for taking into account the weakening effect of notches, screw threads, holes, and similar irregularities of form. Such form irregularities result in high local stresses, and while their effect on the fatigue strength of steel has been extensively studied, their influence on the static strength of cast iron, cast aluminum, and concrete has received relatively little attention.

It was found that the seriousness of stress concentration was not, as is

often assumed, directly proportional to the brittleness of the material, and it was also proved that its effect increased with the scale, or absolute dimensions of the part under consideration.

Another question investigated was the influence of form on the calculated stress at rupture. It was found that when designed for the same working stress, curved beams and flat plates had larger factors of safety than straight beams.

Help State Industry

In many cases, forms of castings are so complicated it is virtually impossible to calculate their strength. Experiments proved that in some instances, cheaply and easily made tests on plaster models could be used in conservatively predicting the strength and breaking point of metal parts.

"There were several problems encountered by industries of the state which led us to conduct the research," revealed Professor Roark. "At one time, the failure of a piece of paper mill machinery, resulted in a costly accident. At another time, the valve of a gas main broke, with the result that a serious explosion took place. In another instance the hooks holding the lid of a pressure cooker broke with disastrous consequences. In each of these cases, failure occurred because sufficient allowance was not made for the decrease in strength caused by peculiarities of form and by stress concentration."

1,020 U. W. Students Are Sons, Daughters of University Alumni

Nine per cent of the students enrolled in the University of Wisconsin can boast of being sons or daughters of former students of that institution according to figures recently released by the Wisconsin Alumni Records office.

There are 1,020 students of the net enrollment of 11,416 during the past semester whose parents are listed in the alumni records files. The percentages remain fairly even throughout the University classes with the exception of the Graduate and Medical schools where, because of the limited enrollments, the average falls to hold. The freshman class of 1938 had the exact average of the entire group, 8.9 per cent. The other classifications were as follows:

Sophomore, 9.3 per cent; Junior, 9.9 per cent; Senior, 9 per cent; Medical School, 6.6 per cent; Law School, 9.1 per cent; Graduate School, 5.1 per cent.

The Alumni Records Office anticipates an increase in this percentage during the next few years. There are few alumni of the period since 1920 who have children in school. It was during this period that the University classes began to grow rapidly so it is probable that as the children of this group become of age, the University will have more and more children of its sons and daughters attending its classes.

Miss Marlatt, Home Ec Leader For 30 Years, Retires Soon

Miss Abby L. Marlatt, who is now completing her 30th year as director of the home economics department at the University of Wisconsin, will resign on July 1.

Since 1909, Miss Marlatt has been a leader of home economics study in Wisconsin. She early realized the need for training in this field and has been promoting the study of foods, clothing, and related subjects in class rooms, in laboratories, and in extension work throughout the state.

Under her direction, the department has expanded from its earlier one-room quarters in Agricultural Hall, until it now has outgrown its space in the wing of the Home Economics-Extension building. Although there was but one graduate the year she came to the University of Wisconsin, that number has grown until last year there were 80 graduates who went out into the field to spread the new ideas about family life which they learned under Miss Marlatt's guidance.

Regents Accept Gifts Amounting To \$15,848

Two gifts for scientific research, totaling \$15,848.42, were accepted by the University of Wisconsin board of regents at its recent meeting.

One of the gifts, totaling \$11,200, was donated by the Du Pont company for research in agriculture on dairy cattle nutrition problems. The other gift, amounting to \$4,648.42, consists of the residue of the estate of the late Mrs. Gurine Gjermundsen, resident of the town of Pleasant Springs near Stoughton.

The Gjermundsen bequest is to make up a research fund to be known as the "Gurine Gulstien Research Fellowship," and the income from it is to be used for research and study for the purpose of solving any one or more of the practical problems that the Wisconsin farmer is confronted with in his daily life.

The regents also accepted, from friends of the University's school of music, a gift in the form of the "Charles H. Mills Memorial Library," as a memorial to the late Dr. Mills.

Dairy Manufacturers To Hold Short Course At U. W. March 14-16

Problems dealing with the processing and marketing of dairy products will be considered by operators of Wisconsin dairy plants when they meet for the three-day Dairy Manufacturers' Short Course conference at the University of Wisconsin College of Agriculture, Madison, March 14, 15, and 16.

A feature of each day's program, according to H. C. Jackson, chairman of the department of dairy industry, in charge of the course, will be a symposium in which views will be presented on timely problems of the dairy industry. Included in these discussions will be consideration of health requirements of dairy products, pasteurization methods, frozen foods, and selling Wisconsin butter.

Speakers scheduled for the three-day conference include: W. H. Haskell, U. S. Public Health Service, **Chicago**; Floyd Keller, **Chicago** Board of Health; Victor Graham, University of Saskatchewan; F. A. Faust, **Waterbury, Connecticut**; W. D. Dotterer, A. H. Roshei, Ward Guest, C. H. Parsons, and H. S. Hoesley, **Chicago**; Edward Thom, **Milwaukee**; Fred Wagner, **Manitowoc**; and H. M. Gifford, State Board of Health.

Staff members of the University of Wisconsin who will address various sessions of the meeting include: Llewellyn Cole, director of the student health clinic; E. G. Hastings and W. B. Sarles, department of agricultural bacteriology; F. B. Hadley, department of veterinary science; Abby L. Marlatt, department of home economics; Marvin Schaars, department of agricultural economics; H. C. Jackson, K. G. Weckel, H. H. Sommer, L. C. Thompson, J. C. Flake, Neal Watstreet, A. M. Swanson, J. Knechtges, W. Langhus, Roger Johnson, D. D. Nusbaum, H. Tranmal, and H. Fick, of the department of dairy industry.

Universities Must Be Left Free To Aid Democracy, Dykstra Says

To do their work in this day and age and to fulfill their responsibility to our democratic way of life our universities must be left free, as the pioneer was free, to explore new regions and report upon what they find, C. A. Dykstra, president of the University of Wisconsin, declared recently in Minneapolis at the annual Charter Day address celebrating the founding of the University of Minnesota.

Asserting that universities must "recognize that science and society have not crystallized but are still growing and need pioneer trail blazers," Pres. Dykstra added that they have "the further duty of helping to adjust pioneer ideals to the new requirements of American democracy."

"The University must aid the grandchildren and great grandchildren to do this if it is to serve each generation fully and completely," he maintained. "It must call forth anew, and for finer uses, the pioneer's love of creative individualism and help set new goals toward which the individual may strive in a world which is no longer simple, a world in which the wilderness is not just a dangerous natural hazard but a tangle of economic and social confusions in which the ax and the rifle are no longer adequate and effective pioneering tools."

Drawing a parallel between the stories of the birth and development of the Universities of Minnesota and Wisconsin, Pres. Dykstra said that "no where in the union have the state universities played as large a part in the life and growth of the people as here in the northwest."

Discussing the question: Can the university lose step with life and ac-

U. W. Grad Roll Loses First Member Given Advanced Ag Degree

When the late J. H. Shepperd died recently at his home in Fargo, North Dakota, there passed from the active rolls of the Wisconsin College of Agriculture the name of the first graduate student to receive an advanced degree in agriculture from the University of Wisconsin. Mr. Shepperd received his Master's degree in 1893.

A native of Iowa, Shepperd came to the University of Wisconsin to do graduate work in agriculture. After obtaining his degree in 1893, he accepted an offer at the North Dakota Agricultural College. In 1909 he was named dean and continued in that capacity for five years. In 1914 he was named chairman of the livestock department of the experiment station. He continued in this capacity until March 31, 1930, when he was named President of the College, in which capacity he served until July, 1937, when he retired.

Mr. Shepperd is credited with working out many valuable experiments with livestock and feeding problems at the North Dakota Experiment Station at Fargo.

Alumni Issue Call To Colors To Aid State University

Issuing "a call to the colors" to all alumni of the University of Wisconsin, Frank O. Holt, dean of the State University Extension division and member of both the faculty and alumni association's public relations committee, declared in an article in the current issue of The Wisconsin Alumnus, Wisconsin Alumni association magazine, that "the alumni have an obligation to do their utmost that Wisconsin shall remain healthy, virile, and strong."

"The University now needs justifiable support from those who understand it, who want it to continue as a leading American university, and who are adequately informed about its conditions and its needs," Dean Holt asserted in the article. "And there is no group which possesses so good a background of appreciation and understanding as the alumni."

There is no group which should be so willing to assert itself in the interest of the State University as the group which calls Wisconsin its Alma Mater, Dean Holt maintained, explaining that "the Alumni association sends out at this time a call to the colors."

"The University does not expect its alumni to defend it, for the University needs no defense," he declared. "But the Alumni association does expect that alumni generally will inform themselves adequately as to the needs and requests of the University and make such information available to interested citizens who will welcome it and to legislators who desire to act upon University requests upon the basis of intelligence which can result only from understanding."

NAMED TO VISITORS' BOARD

George P. Hambrecht, Madison, state director of vocational education, was appointed a member of the University of Wisconsin Board of Visitors by the University Board of Regents at its recent meeting. Mr. Hambrecht fills the vacancy on the board caused by the death of Mrs. Zona Gale Breese, Portage.

High School Teams Seek Debate Title Honors On March 1

The debate champion of Wisconsin high schools will be determined at **Madison**, Wednesday, March 1, when three debate teams which survived all preliminary trials will meet in the state capitol in quest of the highest state honors. The question relates to a proposed British-American alliance.

The competing schools are **Kenosha**, winner in the southern section; **Shawano**, the central section representative, and **Eau Claire**, representing the northern section.

The debates will be waged simultaneously in three halls, presided over by Lieut. Gov. Walter S. Goodland, Speaker Vernon Thomson, and Justice George B. Nelson.

The contestants and teachers will be guests Saturday at a conference breakfast at Memorial Union when the critic judges will offer critical analyses of the night's work.

Sponsors Listed

The contests are sponsored by the Wisconsin High School Forensic association, the University department of speech, the University Forensic board, and the University Extension department of debating and public discussion, and are free to the public. Several graduating classes in the state have announced plans to forego a senior party in order to journey to Madison to hear the debates and see the legislature in action.

Welcoming the debaters to the capital and campus, Robert des Jarlais, president of the University Forensic board, in a prepared statement, invited them to "carry on" in life the leadership they have evidenced in the forensic field.

The Wisconsin Forensic association has nearly reached the 400-mark in school membership. Since fall it has sponsored three speech institutes—at **Barron**, **Madison**, and **Sparta**, with a total attendance of 1,277 students and teachers from 112 schools. Plans are being made for institutes next year at **Ladysmith**, **Madison** and **Tomah**, and at a northeastern center to be chosen.

May Add Radio Speaking

The association is considering adding radio speaking to its activities, and has named Joseph F. Kraus, **Stevens Point**, as chairman of a committee to survey the possibilities. Panel discussion as an association activity also is being considered, and will be discussed at the next annual meeting.

The state contests in declamation, extemporaneous speaking, reading and oratory will take place April 26-28.

The Wisconsin association of Future Farmers of America will hold its annual public speaking contest for state honors April 28 at Agricultural hall, University of Wisconsin. The speeches will be broadcast over the state stations.

Rural Leaders To Hold Recreation Laboratory

Ways of getting the most from the use of recreation and leisure time will be considered by members of Wisconsin rural organizations at the recreational leaders' laboratory which will be held at Phantom Lake May 29 to June 3.

Cooperating in the laboratory, which will be held for the second consecutive year, are the Farm Bureau, Grange, Farmers' Equity Union, public school teachers, youth clubs, representatives of the rural church, and the extension service of the University of Wisconsin College of Agriculture.

The committee which is arranging for the program include: chairman, Mrs. Marn Henry, **River Falls**; secretary, A. F. Wileiden, College of Agriculture, **Madison**; chairman, program committee, Bruce Cartter, county club agent, **Marinette**; chairman arrangements committee, V. V. Varney, assistant 4H club leader; Mrs. R. J. Douglas, home and community chairman, state Farm Bureau, **Juda**; Fred Rhea, state WPA recreational supervisor for Wisconsin, **Madison**; John Hoff, town and country secretary of state Y. M. C. A., **Waukesha**; Mrs. Ruth Huntington, in charge of the junior department, state Farmers' Equity Union, **Chippewa Falls**; Herman Ihde, master of the state Grange, **Neenah**; Verner Hegge, Midland Cooperative, **Milwaukee**; Mrs. Marie Kellogg, in charge of dramatics, College of Agriculture, and Josephine Pollock, home economics extension department, **Madison**.

U. W. Man Given Engineering Award

Daniel W. Mead, emeritus professor of hydraulic and sanitary engineering at the University of Wisconsin and former president of the American Society of Civil Engineers, recently received the 1939 Washington Award in engineering for his "superior contribution to sound theory, good practice, and high ethical standards in the creation of engineering works as an engineer and as a teacher," and also in recognition of his "pre-eminent service in advancing human progress." The award, founded in 1919 by John Watson Alvord, noted engineer, is granted yearly by the Western Society of Engineers.